DEPARTMENT OF THE AIR FORCE
AIR FORCE CIVIL ENGINEER CENTER

March 6, 2013

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FROM: AFCEC/CZRB - Griffiss
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SUBJECT: Final 2012 Annual LTM Report for Landfill Areas of Concern
Former Griffiss Air Force Base (AFB) Rome, New York
Contract Number FA8903-10-D-8595, Delivery Order 0014

1. Attached is the "Final 2012 Annual LTM Report for Landfill Areas of Concern". The Report has been prepared to present the results of the Long Term Monitoring completed in 2012 for the Landfill AOCs located on the Former Griffiss AFB, Rome, NY.

2. We would appreciate review comments by April 8, 2013 so that project schedules and performance milestones can be maintained in accordance with this PBR Contract.

3. Should you have any questions or concerns please contact me at 315 356 0810 ex 202.

MICHAEL F. MCDERMOTT
Air Force Civil Engineer Center
AFCEC/CZRB Griffiss

Attachments as noted

FINAL

2012
ANNUAL LONG TERM MONITORING REPORT
LANDFILL AREAS OF CONCERN

FORMER GRIFFISS AIR FORCE BASE SITE
ROME, NEW YORK

Prepared for:

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Delivery Order 0014

March 2013

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LIST OF ACRONYMS AND ABBREVIATIONS

AFB	Air Force Base
AFCEC	Air Force Civil Engineering Center
AOC	Area of Concern
ARAR	applicable or relevant and appropriate requirement
bgs	below ground surface
CAPE	CAPE Environmental
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	contaminant of concern
Conti	Conti Environmental, Inc.
CQCR	Chemical Quality Control Reports
CSM	Conceptual Site Model
CY	cubic yard
DCE	dichloroethene
EA	EA Engineering
E&E	Ecology and Environment, Inc.
EPA	Environmental Protection Agency
FPM	FPM Remediations, Inc.
K	hydraulic conductivity
Law	Law Engineering and Environmental Services, Inc.
LEL	Lower Explosive Limit
LTM	long term monitoring
LUC/IC	Land use Control/Institutional Control
MAROS	Monitoring and Remediation Optimization Systems
mg/L	milligrams per liter
MSL	mean sea level
µg/L	micrograms per liter
NYCRR	New York Codes of Rules and Regulations
NYS	New York State
NYSBC	New York State Barge Canal
NYSDEC	New York State Department of Environmental Conservation
O&M	operations and maintenance

LIST OF ACRONYMS AND ABBREVIATIONS (continued)

PCB	polychlorinated biphenyl
PCU	platinum cobalt units
POC	point of compliance
PPM	parts per million
QA/QC	Quality Assurance/Quality Control
RA	Remedial Action
RI	Remedial Investigation
RL	reporting limit
ROD	Record of Decision
SCG	Standard, Criteria, or Guidance value
SI	Supplemental Investigation
SVOC	Semi-Volatile Organic Compound
TCE	trichloroethylene/trichloroethene
TDS	Total Dissolved Solids
TKN	Total Kjeldahl Nitrogen
TMC	Three Mile Creek
TO	Task Order
TOC	Total Organic Carbon
VOC	Volatile Organic Compound
WP	Work Plan

1 INTRODUCTION

FPM Remediations Inc. (FPM), in association with CAPE Environmental (CAPE), has been contracted by the Air Force Civil Engineer Center (AFCEC), to perform Long Term Monitoring (LTM) at Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) sites at the former Griffiss Air Force Base (AFB), New York. The work discussed in this Annual Report will be conducted through contract number FA8903-10-D-8595-0014.

The following sections describe the 2012 site activities for the former Griffiss AFB Landfill Areas of Concern (AOCs). The site activities include landfill cap inspections and maintenance, landfill gas monitoring, and groundwater and surface water sampling.

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2 LF001 LANDFILL 1 AOC

2.1 SITE BACKGROUND

Landfill 1, approximately 22 acres in size, is located in the northeastern portion of the former Griffiss AFB on the east side of Six Mile Creek, northeast of the flight line and within the Six Mile Creek Drainage Basin. The landfill is bounded by the installation boundary to the north, regulated wetlands to the east, Six Mile Creek and regulated wetlands to the west and woodlands to the south (FPM, October 2002). **Figure 2-1** illustrates the landfill boundary and the locations of monitoring wells.

The wastes deposited at Landfill 1 consisted of general refuse, hardfill, and boiler ash that was buried using trench and cover methods. An estimated 90,000-100,000 cubic yards (CY) of wastes were disposed of at the site from 1960-1973.

The groundwater flow rate at Landfill 1 is estimated to be 2,000 feet per year (LAW, December 1996). Groundwater flows to the southwest in the area of Landfill 1.

The Record of Decision (ROD) for LF001 Landfill 1 AOC was signed by the United States Environmental Protection Agency (USEPA) on June 5, 2000. In accordance with the ROD, the landfill was re-graded and capped in 2003. The cap components include a gas venting layer, a low-permeability layer, drainage layer, barrier protection layer, and a topsoil layer. LTM was initiated at LF001 in December 2003, and 5-Year Reviews were conducted in 2005 and 2010. Both 5-Year Reviews indicated that the selected remedy is protective of human health and the environment.

For readability, the hydrology setting, previous investigations, and LTM sampling plan sections have been removed from this report. These sections are provided in the 2009 Landfill AOCs LTM Report (FPM, November 2010). The following summarizes the previous LF001 LTM Network activities and Results.

2.1.1 Previous LTM Activities and Results

LTM has been performed at 11 monitoring wells (MWSAR03, LF1P-2, -3, -5, LF1MW-1R, -5, -6, -10, -11, -12 and -13) and 3 surface water locations (LF1SW-1, -2SMC, and -3) since December 2003. LF1MW-103 was added to the LTM network during the March 2004 sampling round and LF1MW-14 was added to the LTM network during the December 2004 sampling round. These sampling locations are illustrated in **Figure 2-2**. The LTM network has been sampled quarterly (routine parameters) and annually (baseline parameters) in accordance with New York State Department of Environmental Conservation (NYSDEC) Part 360 requirements. Currently, based on several rounds of sampling data, NYSDEC Part 360 baseline requirements are sampled annually. All recommendations to alter the sampling network were provided in previous Landfill AOCs LTM Reports and reviewed by the USEPA and NYSDEC.

Boron, cyanide, mercury, polychlorinated biphenyls (PCBs), pesticides, and phenols were analyzed until 2006 and were then removed from the LTM sampling network due to their low or

non-detect concentrations at the site. Volatile Organic Compounds (VOCs) currently detected above the NYS Groundwater/Surface water Standards, Criteria, and Guidance Values (SCGs) include 1,2-dichlorobenzene, 1,3-dichlorobenzene, benzene, and chlorobenzene. These exceedances only occur at monitoring wells LF1MW-11 and LF1MW-5 (benzene only) and concentrations have been stable and/or decreasing. Landfill leachate indicators previously detected above the NYS Groundwater / Surface water SCGs include ammonia, color, total dissolved solids (TDS), and total Kjeldahl nitrogen (TKN). The landfill leachate indicator detections continue to show stable trends. Metals analysis for this site continues to show levels above NYS SCGs. Metals that exceed standards include manganese, iron, sodium, aluminum, chromium, and nickel. Several of the metals (e.g., manganese, iron, sodium) are indicative of base background conditions.

Landfill gas monitoring is performed at Landfill 1 to identify the presence and concentration of methane at or near the landfill. A total of 18 gas monitoring probes and 31 landfill gas vents were monitored on a quarterly basis from October 2005 until May 2010. Landfill gas monitoring was optimized after the spring 2010 sampling round to semiannual. Results from the gas sampling events at Landfill 1 continue to show elevated methane concentrations throughout the landfill. However, methane concentrations at point of compliance (POC) gas monitoring probes (LF1GMP-13 through -17) remained at non-detectable concentrations through the fall 2011 sampling round. The absence of methane at the POC gas monitoring probes demonstrates continued protection of potential receptors. In addition, the passive gas trench installed near the northwestern perimeter of Landfill 1 to prevent methane migration into neighboring properties appears to remain an effective barrier.

Since April 2005, landfill inspections and cover maintenance have been performed at Landfill 1. Inspections and maintenance are conducted on a quarterly basis with annual landfill cover mowing (fall). Land use Control/Institutional Controls (LUC/ICs) have been implemented by the ROD and are verified annually as part of the landfill cover inspection program. The fall inspections are performed in conjunction with the Base-wide LUC/IC Site Inspections.

Previous LTM results are provided in detail in the Spring 2009 Landfill AOCs LTM Report (FPM, November 2010), Spring 2010 Landfill AOCs LTM Report (FPM, February 2012), and 2011 Landfill AOCs LTM Report (FPM/CAPE, July 2012).

2.2 LANDFILL 1 AOC – 2012 SITE ACTIVITIES

This section describes the Landfill 1 AOC site activities and monitoring data for 2012. The field activities include semiannual landfill cap inspections, semiannual landfill gas monitoring, annual groundwater and surface water sampling, and annual landfill cap mowing.

2.2.1 Landfill Cap Inspections/Maintenance

The spring 2012 inspection did not identify any major deficiencies that would jeopardize the integrity of the cover.

The fall 2012 inspection was conducted following landfill mowing. The landfill was mowed during the week of September 10, 2012. The inspection did not identify any major deficiencies that would jeopardize the integrity of the cover.

The semiannual inspection reports for spring 2012 and fall 2012 can be found in Appendix A and daily activity forms are provided in Appendix B.

2.2.2 Landfill Gas Monitoring

Landfill gas monitoring was conducted at 18 gas monitoring probes (LF1GMP-1, -2, -3, -4, -6, -8, -9, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, and -20) and 31 gas vents (LF1VENT- 1 through -31) in spring 2012 and fall 2012. Readings were collected for methane concentrations, Lower Explosive Limit (LEL), oxygen levels and carbon dioxide levels. These locations are also illustrated in **Figure 2-2**. The spring 2012 and fall 2012 monitoring results are discussed below and can be found in **Table 2-1**.

Spring 2012 landfill gas readings were taken in May 2012. LEL values equaled or exceeded 100% at seven gas monitoring probes (LF1GMP-1, -2, -3, -4, -6, -9 and -10). LEL values equaled or exceeded 100% at twenty two gas vents. The highest methane concentration reported at a gas monitoring probe was at LF1GMP-06 (52.9 parts per million (ppm)). The highest methane concentration reported at a gas vent was at LF1VENT-12 (32.6 ppm).

Fall 2012 landfill gas readings were taken in October 2012. LEL values equaled or exceeded 100% at five gas monitoring probes (LF1GMP-1, -2, -3, -6, and -9). LEL values equaled or exceeded 100% at thirteen gas vents. The highest methane concentration reported at a gas monitoring probe was at LF1GMP-06 (77.3 ppm). The highest methane concentration reported at a gas vent was at LF1VENT-10 (33.3 ppm).

Based on the 2012 landfill gas monitoring, the passive gas trench installed near the northwestern perimeter of Landfill 1 to prevent the migration of methane into neighboring properties appears to remain effective.

2.2.3 Groundwater and Surface water Monitoring

Groundwater and surface water monitoring was conducted at 12 monitoring wells (LF1P-2, -3, -5, LF1MW-1R, -5, -10, -11, -12, -13, -14, -103, and MWSAR03) and three surface water locations (LF1SW-1, -2, and -3) for leachate indicators. In accordance with the CERCLA Sites Optimization Plans (FPM/CAPE, November 2011), VOCs analysis was also conducted for monitoring wells LF1MW-5, -6, -11, -12, LF1P-2, and MWSAR03 and surface water locations LF1SW-1, -2, and -3.

The following summarizes the results for all groundwater, surface water and gas monitoring analytical data, which are presented in Table 2-2. Daily Chemical Quality Control Reports (CQCRs) completed during the June 2012 sampling round are provided in Appendix C. The complete list of analytes and the validated laboratory data are attached in Appendix D and the raw laboratory data are available in Appendix E.

2.2.3.1 Groundwater Monitoring Results

VOCs:
Benzene exceedances were reported at LF1MW-5 (1.8 µg/L) and LF1MW-11 (1.6 µg/L). 1,2-dichlorobenzene, 1,4-dichlorobenzene, and chlorobenzene exceedances were also reported at LF1MW-11. The vinyl chloride concentration was also above the NYS Groundwater Standard at MWSAR03. All exceedances were within one order of magnitude of the NYS Class GA Groundwater Standards and are similar to previous LTM results. The VOC detections at the site are illustrated in Figure 2-2.

Landfill Leachate Indicators:
Leachate indicator exceedances were reported at monitoring wells LF1MW-5, -6, -11, -12, -13, and LF1P-2. These exceedances are summarized below:

- TKN exceeded the NYS Groundwater Standard at monitoring well LF1MW-5 (2 mg/L), -11 (3B mg/L), and –LF1P-2 (1.7B mg/L). The NYS Class GA Groundwater Standard of TKN is 1 mg/L. The B data qualifier indicates that the analyte was found in an associated blank, as well as in the sample.
- Color exceeded the NYS Groundwater Standard at monitoring wells LF1MW-6 (25 platinum cobalt units (PCU)), -11 (25 PCU), -12 (25 PCU), -13 (50 PCU), and LF1P-2 (25 PCU). The NYS Class GA Groundwater Standard of color is 15 PCU.

The TKN concentrations are within an order of magnitude of previous LTM results and two of the exceedances are associated with a B data qualifier.

The color concentrations increased at each monitoring well which showed an exceedance. Similar concentrations have been detected in samples at these locations in previous LTM events.

Synoptic Results
The following summarizes the groundwater elevations (mean sea level (MSL)) for each monitoring well sampled at Landfill 1 in the June 2011 sampling round: MWSAR03 (514.78 ft), LF1P-2 (499.49 ft), LF1P-3 (504.19 ft), LF1P-5 (491.81 ft), LF1MW-1R (537.13 ft), LF1MW-5 (493.97 ft), LF1MW-6 (496.85 ft), LF1MW-10 (504.75ft), LF1MW-11 (498.68 ft), LFMW-12 (499.78 ft), LF1MW-13 (487.98 ft), LF1MW-14 (493.59 ft) and LF1MW-103 (490.32 ft). The groundwater elevations continue to indicate a southwestern groundwater flow gradient (**Figure 2-3**).

2.2.3.2 Surface Water Monitoring Results

There were no exceedances found in the surface water samples.

2.2.3.3 MAROS Analysis

The purpose of the Monitoring and Remediation Optimization System (MAROS) methodology is to recommend an improved groundwater monitoring network by applying statistical techniques to existing historical and current site analytical data. The description of MAROS methodology at Landfill 1 has been removed for readability. This information is provided in the 2009 Landfill AOC LTM Report (FPM, November 2010).

The following summarizes the results of the Mann-Kendall test. Linear Regression was used to confirm any trend reported by the Mann-Kendall test. The statistical summary sheets for both tests can be located in Appendix F. The summarized results for the target contaminants of concern (COC) and indicator parameters listed below are presented in **Table 2-3**.

<u>1,4-Dichlorobenzene</u>

- Source Wells
  - Mann-Kendall results for LF1MW-5 and -11 showed a decreasing trend, while LF1P-2 showed an increasing trend.
  - Linear Regression analyses showed concentrations were decreasing at LF1MW-5 and -11, and probably increasing at LF1P-2.

- Tail Wells
  - Mann-Kendall analyses showed no trend at LF1MW-12 and -103. 1,4-Dichlorobenzene is stable at MWSAR03.
  - Linear Regression analysis showed concentrations were stable at MWSAR03. Concentrations are decreasing at LF1MW-103 and show no trend at LF1MW-12.

<u>Chlorobenzene</u>

- Source Wells
  - Mann-Kendall analysis at LF1MW-5, -11, and LF1P-2 showed a decreasing trend.
  - Linear Regression analyses at these monitoring wells also showed concentrations were decreasing.

- Tail Wells
  - LF1MW-12 and -103 were non-detect. Mann-Kendall and Linear Regression analysis showed no trend at MWSAR03.

<u>Alkalinity [Carbonate (as CO_3)]</u>

- Source Wells
  - Mann-Kendall analyses showed concentrations at LF1MW-5 had a decreasing trend and were probably decreasing at LF1P-2, while LF1MW-11 was stable.
  - Linear Regression analyses showed concentrations at LF1MW-5 and LF1P-2 have a decreasing trend, while LF1MW-11 had no trend.

- Tail Wells

  Mann-Kendall Analysis:
  - Decreasing: LF1MW-13

- Probably Decreasing: None
- Stable: LF1P-5 and MWSAR03
- Probably Increasing: LF1SW-1
- Increasing: LF1MW-6, -10, -12
- No Trend: LF1MW-103, LF1MW-14, LF1P-3, LF1SW-2, and -3

Linear Regression Analysis:

- Decreasing: LF1MW-13 and LF1P-5
- Probably Decreasing: None
- Stable: MWSAR03
- Probably Increasing: None
- Increasing: LF1MW-6, -10, -12
- No Trend: LF1MW-103, -14, LF1SW-1, -2, and -3

Hardness [bicarbonate]

- Source Wells
  - Mann-Kendall analyses at LF1P-2 showed a decreasing trend and LF1MW-5 was probably decreasing, while LF1MW-11 showed a stable trend.
  - Linear Regression analyses showed concentrations were probably decreasing at LF1P-2 and LF1MW-5, and no trend at LF1MW-11.

- Tail Wells

  Mann-Kendall Analysis:
  - Decreasing: LF1MW-13
  - Probably Decreasing: LF1P-3, LF1MW-103, and MWSAR03
  - Stable: LF1MW-14, LF1P-5, and LF1SW-3
  - Probably Increasing: None
  - Increasing: None
  - No Trend: LF1MW-6, -10, -12, LF1SW-1, and -2

  Linear Regression Analysis:
  - Decreasing: LF1MW-13, -103, LF1SW-2, and MWSAR03
  - Probably Decreasing: LF1P-3
  - Stable: LF1MW-12, LF1P-5, LF1SW-1, and -3
  - Probably Increasing: None
  - Increasing: None
  - No Trend: LF1MW-10 and -14

Nitrate [nitrogen]

- Source Wells
  - Mann-Kendall analyses at LF1MW-5 showed a probably increasing trend, while LF1P-2 showed an increasing trend. LF1MW-11 showed no trend.
  - Linear Regression analyses at LF1MW-5 and LF1P-2 showed an increasing trend. LF1MW-11 was stable.

- Tail Wells

  Mann-Kendall Analysis:
  - Decreasing: LF1MW-103, LF1SW-1, -2, and -3
  - Probably Decreasing: None
  - Stable: None
  - Probably Increasing: LF1P-3 and LF1MW-6
  - Increasing: LF1MW-5, -10, LF1P-5
  - No Trend: LF1MW-12, -13 -14, and MWSAR03

  Linear Regression Analysis:
  - Decreasing: LF1MW-12, -13, LF1SW-2, -3, and MWSAR03
  - Probably Decreasing: LF1MW-103 and LF1SW-1
  - Stable: None
  - Probably Increasing: None
  - Increasing: LF1MW-10, LF1P-3, -5
  - No Trend: LF1MW-6, and -14

Total Organic Carbon

- Source Wells
  - Mann-Kendall and Linear Regression analyses at LF1MW-5, -11, and LF1P-2 showed a decreasing trend.

- Tail Wells

  Mann-Kendall Analysis:
  - Decreasing: LF1P-5
  - Probably Decreasing: None
  - Stable: LF1MW-10, -12, -13, -6, -103, LF1P-3, and MWSAR03
  - Probably Increasing: None
  - Increasing: LF1SW-3
  - No Trend: LF1MW-14, LF1SW-1, and -2

  Linear Regression Analysis:
  - Decreasing: LF1P-5
  - Probably Decreasing: LF1MW-103
  - Stable: LF1MW-10, -12, -6, LF1P-3, and MWSAR03
  - Probably Increasing: None
  - Increasing: LF1SW-3
  - No Trend: LF1MW-13, -14, LF1SW-1, and -2

Optimization Recommendations-

The recommended MAROS sampling frequency is annual and biennial. The recommended sampling frequency per sampling location is provided in the MAROS Sampling Frequency Optimization Results worksheets provided in Appendix E.

2.2.4 Conclusions

Landfill Cap Inspections and Maintenance

The semiannual inspections have not identified any major deficiencies that would jeopardize the integrity of the cover and there is optimal vegetation cover on the cap. Inspections are also conducted following significant weather events (5-Year Storm events). No significant weather events occurred during 2012.

Landfill Gas Monitoring

Elevated methane concentrations continue to be recorded throughout the Landfill 1 AOC. However, methane concentrations at POC gas monitoring probes (LF1GMP-13 through -17) remained non-detectable through the October 2012 sampling round. The absence of methane at the POC gas monitoring probes demonstrates continued protection of potential receptors. In addition, the passive gas trench installed near the northwestern perimeter of Landfill 1 to prevent methane migration into neighboring properties appears to remain effective. The effectiveness of the system is made apparent by the gradient established between LF1GMP-4 and LF1GMP-19. LF1GMP-4 was installed between the landfill boundary and the passive gas trench (Figure 2-2); methane readings at this location have frequently exceeded the LEL. In contrast, LF1GMP-19 was installed just outside of both the landfill boundary and the passive gas trench and within 25 feet of LF1GMP-4 (Figure 2-2); methane readings at this location are consistently lower than those reported at LF1GMP-4 and in some sampling rounds orders of magnitude less.

Groundwater and Surface Water

VOC exceedances at Landfill 1 are limited to three monitoring wells, LF1MW-5 -11, and MWSAR03. LF1MW-5 and -11 have shown sustained exceedances. Figure 2-4 has been provided to illustrate the stable and/or decreasing total VOC concentrations at monitoring wells LF1MW -5 and -11 over time. Vinyl chloride has historically been detected at MWSAR03 with no discernible trend; all of the detections are within one order of magnitude of the NYS Groundwater Standard.

Landfill leachate indicators were above NYS Groundwater and Surface water Standards at LF1MW-5, -6, -11, -12, -13, and LF1P-2. The exceedances included TKN and color.

The concentrations of TKN at the overburden wells and surface water locations were comparable to previous results and below the typical range of municipal landfill leachate (Lee and Jones, 1991). This reference was used during the Baseline Study of the former Griffiss AFB Landfill AOCs and is provided in **Table 2-4**.

Color concentrations reported during the June 2012 sampling round were higher than the previous sampling round at downgradient monitoring wells LF1MW-6, -11, -12, -13, and LF1P-2. The color concentrations detected in 2012 are similar to those detected in 2011.

The alkalinity and hardness concentrations at downgradient monitoring wells ranged from 68 mg/L to 510 mg/L, and 84 mg/L to 470 mg/L, respectively. Hardness was non-detect at LF1MW-103, the LF001 LTM Network bedrock well. Alkalinity and hardness concentrations at the LF001 LTM Network monitoring wells show no trends and are stable, respectively, as shown in Figure 2-5 and Figure 2-6. Alkalinity and hardness are important indicators of the plume extent because the landfill material tends to propagate microbial activity which generates carbon dioxide. This process increases the dissolution of minerals and alkalinity which increases hardness (Baedecker and Back, 1979). The stability of these parameters suggests that the landfill plume is fairly static.

For the June 2011 sampling round, alkalinity and hardness levels throughout the LTM network exceeded the level measured in the background well, LF1MW-1R (alkalinity was 41 mg/L and hardness was 74 mg/L). The highest levels of alkalinity and hardness coincide with monitoring wells identified as historically being "downgradient from the source and within the VOC plume," as identified in previous investigations. These monitoring wells consist of LF1MW-5, -11, and LF1P-2. Alkalinity levels appear to decrease towards background levels as they approach the POC monitoring wells (LF1P-5 and -13). The concentrations of leachates indicators alkalinity and hardness are plotted in Figure 2-7.

MAROS Analysis

Utilizing the results of the LTM sampling rounds, MAROS analysis was performed for the Landfill 1 AOC LTM network. Results of the evaluation confirmed an overall decreasing/stabilizing trend of concentrations at each monitoring well for the selected target COCs and indicator parameters (1,4-dichlorobenzene, chlorobenzene, alkalinity, hardness, and TOC) (Appendix F). Results of the evaluation showed an overall increasing trend at source monitoring wells for nitrate.

Among the tail monitoring wells, the downgradient wells (LF1MW-6, -10, -12, -13, -14, LF1P-3, -5, and MWSAR03) showed overall increasing alkalinity, stable/decreasing hardness, increasing nitrate, and stable TOC.

2.3 LTM OPTIMIZATION RECOMMENDATIONS

Based on the latest LTM results, the current scope of semiannual landfill gas sampling, landfill cap inspections, annual groundwater sampling, and surface water sampling will continue. Please refer to Table 2-5 for the summary of the Landfill 1 AOC LTM Network. All previous LTM Network optimization is provided in Table 2-6.

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3 LF002 LANDFILL 2/3 AOC

3.1 SITE BACKGROUND

Landfill 2/3, approximately 13 acres in size, is located on a topographic high, east of Perimeter Road near the east-central boundary of the former Griffiss AFB. The landfills are bounded by the AFB boundary on the north, east and south sides, while areas to the west, southwest and northeast have been identified as wetlands. Figure 3-1 illustrates the landfill boundary and the location of existing monitoring wells.

The wastes at Landfill 2/3 consisted of hardfill in the southern portion of Landfill 2, on-board aircraft wastes in the northern portion of Landfill 2 and approximately 1 ton of wetted and double-bagged asbestos wastes in Landfill 3, located in the eastern portion of Landfill 2. The groundwater flow rate at Landfill 2/3 is estimated at 222 feet per year (LAW, December 1996). Groundwater flow is very gradual to the southwest in the area of Landfill 2/3.

The ROD for LF002 Landfill 2/3 AOC was signed by the USEPA on June 5, 2000. In accordance with the ROD, the landfill was re-graded and capped in summer 2003. The cap components include a gas venting layer, a low-permeability layer, drainage layer, barrier protection layer, and a topsoil layer. LTM was initiated at LF002 in December 2003, and 5-Year Reviews were conducted in 2005 and 2010. Both 5-Year Reviews indicated that the selected remedy is protective of human health and the environment.

For readability, the hydrology setting, previous investigations, and LTM sampling plan sections have been removed from this report. These sections are provided in the 2009 Landfill AOCs LTM Report (FPM, November 2010).

3.1.1 Previous LTM Activities and Results

LTM has been performed at six monitoring wells (LF2MW2-1, LF2MW-4, -12, -13, -14, and -100) and three surface water locations (LF2SW-1, -2, and -3) since December 2003. These sampling locations are illustrated in Figure 3-2. The LTM network was analyzed quarterly (routine parameters) and annually (baseline parameters) for NYSDEC Part 360 requirements. All recommendations to alter the sampling network were provided in previous Landfill AOCs LTM Reports and reviewed by the USEPA and NYSDEC.

VOCs, cyanide, mercury and phenols were analyzed until 2006 and then removed from the LTM sampling network due to their low or absent concentrations at the site. Landfill leachate indicators previously detected above the NYS Groundwater/Surface water SCGs included ammonia, chloride, bromide, color, TDS, and TKN and nitrate. The landfill leachate indicator detections continue to show stable trends. TDS at LF002 has historically been detected near or below the NYS Groundwater Standard of 500 milligram/liter (mg/L) at all monitoring wells with the exception of LF2MW-100 (bedrock well). The TDS at LF2MW-100 has historically been detected above 2,000 mg/L. The TDS is higher at this well because the sampling method (bailing) produces a greater amount of suspended solids in the sample. All TDS exceedances are within one order of magnitude of the TDS standard.

Metals analysis for this site continues to show levels above NYS Groundwater SCGs. Metals that exceed SCGs exceedance include barium, manganese, iron, sodium, aluminum, chromium, and nickel. Several of the metals (e.g., manganese, iron, and sodium) are indicative of base background conditions.

Landfill gas monitoring has been performed at Landfill 2/3 to identify the presence and concentration of methane at or near the landfill. A total of nine gas monitoring probes and 14 landfill gas vents were monitored on a quarterly basis from October 2005 until May 2010. Landfill gas sampling was optimized after the spring 2010 sampling round and is now sampled semiannually. Results from the gas sampling events at Landfill 2/3 continue to show site-wide stabilization of methane concentrations.

Since April 2005, landfill inspections and cover maintenance have been performed at Landfill 2/3. Inspections and maintenance are conducted on a quarterly basis with annual landfill cover mowing (fall). LUC/ICs have been implemented by the ROD and are verified quarterly as part of the landfill cover inspection program. The fall inspections are performed in conjunction with the Base-wide LUC/IC Site Inspections.

The debris pile identified in the 2009 sampling event was removed in March 2012 in association with Area of Interest (AOI) 474. The Draft Final Site Debris Removal and Soil Sampling Report for AOI 474 is undergoing regulatory review (FPM/CAPE, October 2012).

Previous LTM results are provided in detail in the Spring 2009 Landfill AOCs LTM Report (FPM, November 2010), Spring 2010 Landfill AOCs LTM Report (FPM, February 2012), and 2011 Landfill AOCs LTM Report (FPM/CAPE, July 2012).

3.2 LANDFILL 2/3 AOC – 2012 SITE ACTIVITIES

This section describes the Landfill 2/3 AOC site activities and monitoring data for 2012. The field activities include semiannual landfill cap inspections, semiannual landfill gas monitoring, annual landfill cap mowing, and biennial groundwater and surface water sampling. Groundwater and surface water sampling was not conducted in 2012.

3.2.1 Landfill Cap Inspections/Maintenance

The spring 2012 inspection did not identify any major deficiencies that would jeopardize the integrity of the cover.

The fall 2011 inspection was conducted following landfill mowing. The landfill was mowed during the week of September 10, 2012. The inspection did not identify any major deficiencies that would jeopardize the integrity of the cover.

The semiannual inspection reports for spring 2012 and fall 2012 can be found in Appendix A. Daily activity forms are provided in Appendix B.

3.2.2 Landfill Gas Monitoring

Landfill gas monitoring was performed at Landfill 2/3 to identify the presence and concentration of methane at or near the landfill (NYSDEC, November 1999). Landfill gas monitoring was conducted at nine gas monitoring probes (LF2GMP-1 through -9) and fourteen gas vents (LF2VENT- 1 through -14) in May 2012 and October 2012, for methane concentrations, LEL, oxygen levels and carbon dioxide levels. The semiannual Landfill 2/3 gas results can be found in Table 3-1.

Spring 2012 landfill gas readings were taken in May 2012. LEL values equaled or exceeded 100% at one gas monitoring probes (LF1GMP-6). The methane concentration reported at LF1GMP-6 was 12.9 ppm. LEL values did not equal or exceed 100% at any of the gas vents.

Fall 2012 landfill gas readings were taken in October 2012. LEL values equaled or exceeded 100% at one gas monitoring probes (LF1GMP-2). The methane concentration reported at LF1GMP-2 was 8.4 ppm. LEL values did not equal or exceed 100% at any of the gas vents.

3.2.3 Conclusions

Landfill Cap Inspections and Maintenance

The semiannual inspections have not identified any major deficiencies that would jeopardize the integrity of the cover and there is optimal vegetation cover on the cap. Inspections are also conducted following significant weather events (5-Year Storm events). There were no significant weather events in 2012.

Landfill Gas Monitoring

Results from the spring 2012 and fall 2012 landfill gas monitoring events continue to show site-wide stabilization of methane concentrations at Landfill 2/3. Elevated methane was detected at two gas monitoring probes. LEL values equaled or exceeded 100% at gas monitoring probe LF2GMP-6 during the spring 2012 sampling event, but not doing the fall 2012 sampling event. LEL values equaled or exceeded 100% at gas monitoring probe LF2GMP-2 during the fall 2012 sampling event. The LEL at these locations were above 100%; however, the concentrations have shown a declining trend in the latest monitoring events throughout the site. Additionally, the lack of methane exceedances at perimeter gas monitoring probes suggests that methane is not migrating off the property.

3.3 LTM OPTIMIZATION RECOMMENDATIONS

Based on the latest LTM results, the current scope of semiannual landfill gas monitoring, landfill cap inspections, biennial groundwater sampling, and biennial surface water sampling will continue. Please refer to Table 3-4 for the summary of the Landfill 2/3 AOC LTM Network. All previous LTM Network optimization is provided in Table 3-5.

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4 LF003 LANDFILL 7 AOC

4.1 SITE BACKGROUND

Landfill 7, approximately 11 acres, is located northeast of the main runway, south of Perimeter Road and south of the Suspected Fire Training Area. **Figure 4-1** illustrates the landfill boundary and the locations of existing monitoring wells.

The wastes at Landfill 7 consisted of domestic refuse, solid waste, liquid wastes, petroleum products, and miscellaneous Base operations waste (such as airplane parts), which were placed into four trenches in the landfill area and subsequently burned. Landfill 7 was active from 1950-1954. The groundwater flow rate at LF003 is estimated to be 445 feet per year (LAW, December 1996). Groundwater flow at Landfill 7 is in a general south-southwest direction.

The ROD for LF003 Landfill 7 AOC was signed by the USEPA on June 6, 2000. In accordance with the ROD, the landfill was re-graded and capped in 2002. The cap components include a low-permeability layer, drainage layer, barrier protection layer, and a topsoil layer. LTM was initiated in February 2003, and 5-Year Reviews were conducted in 2005 and 2010. Both 5-Year Reviews indicated that the selected remedy is protective of human health and the environment.

For readability, the hydrology setting, previous investigations, and LTM sampling plan sections have been removed from the report. These sections are provided in the 2009 Landfill AOCs LTM Report (FPM, November 2010).

4.1.1 Previous LTM Activities and Results

LTM was performed at eight monitoring wells (LF7W-22, -23, -26, -27, -28, -29, -30, and -100) and two wetland surface water locations (LF7WL-3 and -4) in February 2003. These sampling locations are illustrated in **Figure 4-2**. The LTM network was analyzed quarterly (routine parameters) and annually (baseline parameters) for NYSDEC Part 360 requirements. Currently, based on several rounds of sampling data, only metals are analyzed on an annual basis. All recommendations to alter the sampling network were provided in previous Landfill AOCs LTM Reports and reviewed by the USEPA and NYSDEC.

VOCs, mercury, PCBs and all leachate indicators were removed from the Landfill 7 LTM network analysis list in spring 2006, due to their low or absent concentrations at the site. Landfill leachate indicators previously detected above the NYS Groundwater / Surface water SCGs included color, TDS, and TKN. The landfill leachate indicators detections at monitoring wells and surface water sampling locations showed stable trends before the analysis was removed from the LTM network in 2006. Metals analysis for this site continues to show levels above NYS Groundwater SCGs. Metals in exceedance include magnesium, manganese, iron, sodium, aluminum, chromium, and nickel. Several of the metals, including manganese, iron, and sodium are indicative of base background conditions.

Since September 2003, landfill inspections and cover maintenance have been performed at Landfill 7. Inspections and maintenance are conducted on a quarterly basis with annual landfill

cover mowing (fall). LUC/ICs have been implemented by the ROD and are verified quarterly as part of the landfill cover inspection program. The fall inspections are performed in conjunction with the Base-wide LUC/IC Site Inspections.

Previous LTM results are provided in detail in the Spring 2009 Landfill AOCs LTM Report (FPM, November 2010), Spring 2010 Landfill AOCs LTM Report (FPM, February 2012), and 2011 Landfill AOCs LTM Report (FPM/CAPE, July 2012).

4.2 LANDFILL 7 AOC – 2012 SITE ACITIVITIES

This section describes the Landfill 7 AOC site activities and monitoring data for 2012. The site activities include semiannual landfill cap inspections, biennial groundwater and surface water sampling, and annual landfill cap mowing. Groundwater and surface water sampling was not conducted in 2012.

4.2.1 Landfill Cap Inspections/Maintenance

The spring 2012 inspection did not identify any deficiencies that would jeopardize the integrity of the cover.

The fall 2012 inspection was conducted following landfill mowing. The landfill was mowed during the week of September 10, 2012. The inspection did not identify any deficiencies that would jeopardize the integrity of the cover.

The semiannual inspection reports for spring 2012 and fall 2012 can be found in Appendix A and daily activity forms are provided in Appendix B.

4.3 CONCLUSIONS

Landfill Cap Inspections and Maintenance

The semiannual inspections have not identified any major deficiencies that would jeopardize the integrity of the cover and there is optimal vegetation cover on the cap. Inspections are also conducted following significant weather events (5-Year Storm events). No significant weather events occurred in 2012.

4.4 LTM OPTIMIZATION RECOMMENDATIONS

Based on the latest LTM results, the current scopes of semiannual landfill gas monitoring, landfill cap inspections, biennial groundwater sampling, and biennial surface water sampling will continue. Please refer to Table 4-1 for the summary of the Landfill 7 AOC LTM Network. All previous LTM Network optimization is provided in Table 4-2.

5 LF007 LANDFILL 5 AOC

5.1 SITE BACKGROUND

Landfill 5 encompasses approximately 4 acres and is located in the south-central portion of the former Base, south of Patrick Square, immediately southwest of the unpaved access road and east of Three Mile Creek. Figure 5-1 illustrates the landfill boundary together with the location of existing monitoring wells.

The waste at Landfill 5 consisted of domestic wastes, reportedly having been burned and then buried. Approximately 18,000 CY of wastes were disposed of at the site from 1950-1960. During the Remedial Investigation (RI), groundwater flow rates were estimated to be 114 feet per year (LAW, December 1996). Principal groundwater flow directions at Landfill 5 are to the west in the area bordering the northern part of the landfill and to the southwest in the central and southern parts of the landfill.

The ROD for LF007 Landfill 5 AOC was signed by the USEPA on June 5, 2000. In accordance with the ROD, the landfill was re-graded and capped in 2002. The cap components include a low-permeability layer, drainage layer, barrier protection layer, and a topsoil layer. LTM was initiated in February 2003, and 5-Year Reviews were conducted in 2005 and 2010. Both 5-Year Reviews indicated that the selected remedy is protective of human health and the environment.

For readability, the hydrology setting, previous investigations, and LTM sampling plan sections have been removed from the report. These sections are provided in the 2009 Landfill AOCs LTM Report (FPM, November 2010).

5.1.1 Previous LTM Activities and Results

LTM was performed at five monitoring wells (LF5MW-1A, -3, -5, -100R, and MW49D07) and three surface water locations (LF5SW-1, -2, and -3) since February 2003. These sampling locations are illustrated in Figure 5-2. The LTM network was analyzed quarterly (routine parameters) and annually (baseline parameters) for NYSDEC Part 360 Parameters and VOCs. Currently, based on several rounds of sampling data, only metals are analyzed on an annual basis. All recommendations to alter the sampling network were provided in previous Landfill AOCs LTM Reports and reviewed by the USEPA and NYSDEC.

VOC and PCB analysis conducted at the site has not shown any detections above SCGs at the overburden monitoring wells or surface water sampling locations. PCB exceedances were reported at LF5MW-100R (bedrock well) in 2005 and 2006. No PCBs were detected at this location in 2007 and 2008. Landfill leachate indicators previously detected above the NYS Groundwater / Surface water SCGs included ammonia, bromide, chloride, color, nitrate, sulfate, TDS, and TKN. The landfill leachate indicators detections showed stable trends before the analysis was removed from the LTM network in 2006. Metals analysis for this site showed levels above NYS Groundwater SCGs. Metals detected above SCGs include manganese, iron, sodium, aluminum, chromium, and nickel. Several of the metals (e.g., manganese, iron, and sodium) are indicative of base background conditions.

Landfill inspections and cover maintenance have been performed at Landfill 5 since September 2003. Inspections and maintenance are conducted on a quarterly basis with annual landfill cover mowing (fall). LUC/ICs have been implemented by the ROD and are verified quarterly as part of the landfill cover inspection program. The fall inspections are performed in conjunction with the Base-wide LUC/IC Site Inspections.

Previous LTM results are provided in detail in the Spring 2009 Landfill AOCs LTM Report (FPM, November 2010), Spring 2010 Landfill AOCs LTM Report (FPM, February 2012), and 2011 Landfill AOCs LTM Report (FPM/CAPE, July 2012).

5.2 LANDFILL 5 AOC – 2012 SITE ACTIVITIES

This section describes the Landfill 5 AOC site activities and monitoring data for 2012. The site activities include semiannual landfill cap inspections, biennial groundwater and surface water sampling, and annual landfill cap mowing. Groundwater and surface water sampling was not conducted in 2012.

5.2.1 Landfill Cap Inspections/Maintenance

The spring 2012 inspection did not identify any deficiencies that would jeopardize the integrity of the cover.

The fall 2012 inspection was conducted following landfill mowing. The landfill was mowed during the week of September 10, 2012. The inspection did not identify any deficiencies that would jeopardize the integrity of the cover.

The semiannual inspection reports for spring 2012 and fall 2012 can be found in Appendix A and daily activity forms are provided in Appendix B.

5.2.2 Conclusions

Landfill Cap Inspections and Maintenance

The semiannual inspections have not identified any major deficiencies that would jeopardize the integrity of the cover and there is optimal vegetation cover on the cap. Inspections are also conducted following significant weather events (5-Year Storm events). No significant weather events occurred in 2012.

5.3 LTM OPTIMIZATION RECOMMENDATIONS

Based on the latest LTM results, the current scopes of semiannual landfill cap inspections and biennial groundwater and surface water sampling will continue. Please refer to Table 5-1 for the summary of the Landfill 5 AOC LTM Network. All previous LTM Network optimization is provided in Table 5-2.

6 LF009 LANDFILL 6 AOC

6.1 SITE BACKGROUND

Landfill 6 is an unlined landfill comprising approximately 15.7 acres located near the southern boundary of the former Griffiss AFB, between Perimeter Road and Three Mile Creek (TMC). The southern edge of the landfill is bound by a dirt access road. Figure 6-1 illustrates the landfill boundary and the locations of existing monitoring wells.

The wastes at Landfill 6 consisted of general refuse and hardfill that was buried and some of which was burned at the site. An estimated 38,000-62,000 CY of wastes were disposed at the site from 1955-1959. During the 1980s, although the landfill was no longer active, an unknown quantity of fuel-contaminated soil from the tank excavations at Tank Farms 1 and 3 was disposed of in the southern portion of Landfill 6. In 1986, a clay cap was constructed over the fuel-contaminated soils area. The groundwater flow rate at Landfill 6 is estimated to be 37 feet per year (LAW, December 1996). Groundwater flows south-southwest toward TMC at Landfill 6.

The ROD for LF009 Landfill 6 AOC was signed by the USEPA on June 7, 2001. In accordance with the ROD, the landfill was re-graded and capped in 2004. The cap components include a gas venting layer, a low-permeability layer, drainage layer, barrier protection layer, and a topsoil layer. A portion of the fill material used at Landfill 6 consisted of soil/debris from various on-base projects, including: approximately 52,600 CY of material from the TMC restoration project, approximately 3,000 CY of cobbles from the Apron 1 biopile remediation project and approximately 2 CY of soil from the Rainbow Creek remediation project. LTM was initiated in June 2006 and Five-Year Reviews were conducted in 2005 and 2010.

For readability, the hydrology setting, previous investigations, and LTM sampling plan sections have been removed from the report. These sections are provided in the 2009 Landfill AOCs LTM Report (FPM, November 2010).

6.1.1 Previous LTM Activities and Results

LTM was performed at 19 monitoring wells (775VMW-10, -18R, -20R, LF6MW-1, -12, LF6VMW-10R2, -17D, -17S, -18, -19, -20, -21, -22, -23, -24, -25, -26, TMCMW-9 and TMC-USGS-2), three surface water locations (LF6SW-1, -2, -3), and one wetland sampling location (LF6W-1) since June 2006. As recommended by the NYSDEC, landfill leachate sampling locations LF6LH-1 and -2 were added to the LF6 LTM network in December 2006. These sampling locations are illustrated in Figure 6-2. The LTM network was analyzed quarterly (routine parameters) and annually (baseline parameters) for NYSDEC Part 360 requirements. All recommendations to alter the sampling network were provided in previous Landfill AOCs LTM Reports and reviewed by the USEPA and NYSDEC.

VOCs currently detected above the NYS Groundwater/ Surface water SCGs include TCE and cis-1,2 dichloroethene. Exceedances occur at monitoring wells 775VMW-10, LF6MW-12, and LF6VMW-26. Landfill leachate indicators previously detected above the NYS Groundwater / Surface water SCGs included chloride, color, TDS, and TKN. The landfill leachate indicators

detections continue to show stable trends. Metals analysis for this site continues to show levels above NYS Groundwater SCGs. Metals in exceedance include manganese, magnesium, iron, sodium, aluminum, chromium, and nickel. Several of the metals (e.g., manganese, iron, sodium) are indicative of base background conditions.

Landfill gas monitoring has been performed at Landfill 6 to identify the presence and concentration of methane at or near the landfill. A total of 13 gas monitoring probes and 16 landfill gas vents were monitored on a quarterly basis from October 2005 until October 2009. Landfill gas sampling was optimized after the October 2009 sampling round and is now sampled semiannually. Results from the gas sampling events at Landfill 6 showed elevated methane concentrations throughout the landfill, but these levels have declined. Methane has not been detected on Landfill 6 since the fall 2009 gas monitoring round.

Since July 2006, landfill inspections and cover maintenance have been performed at Landfill 6. Inspections and maintenance are conducted on a quarterly basis with annual landfill cover mowing (fall). LUC/ICs have been implemented by the ROD and are verified quarterly as part of the landfill cover inspection program. The fall inspections are performed in conjunction with the Base-wide LUC/IC Site Inspections.

Previous LTM results are provided in detail in the Spring 2009 Landfill AOCs LTM Report (FPM, November 2010), Spring 2010 Landfill AOCs LTM Report (FPM, February 2012), and 2011 Landfill AOCs LTM Report (FPM/CAPE, July 2012).

6.2 LANDFILL 6 AOC – 2012 SITE ACTIVITIES

This section describes the Landfill 6 AOC site activities and monitoring data for 2012. The field activities include semiannual landfill cap inspections, semiannual landfill gas monitoring, annual landfill cap mowing, and annual groundwater and surface water sampling.

6.2.1 Landfill Cap Inspections/Maintenance

The spring 2012 inspection did not identify any major deficiencies that would jeopardize the integrity of the cover.

The fall 2012 inspection was conducted following landfill mowing. The landfill was mowed during the week of September 10, 2012. The inspection did not identify any deficiencies that would jeopardize the integrity of the cover.

The semiannual inspection reports for spring 2012 and fall 2012 can be found in Appendix A and daily activity forms are provided in Appendix B.

6.2.2 Landfill Gas Monitoring

Landfill gas monitoring was conducted at 13 gas monitoring probes (LF6GMP-1 through -13) and sixteen gas vents (LF6VENT-1 through -16) in May 2012 and October 2012 for methane

concentrations, LEL, oxygen concentrations and carbon dioxide concentrations. The semiannual Landfill 6 gas results are presented in Table 6-1.

Landfill gas readings were taken in May 2012. There were no LEL values that equaled or exceeded 100% at any of the thirteen gas monitoring probes or the fourteen gas vents. There were no methane concentrations recorded at any of the gas monitoring probes or the gas vents.

Landfill gas readings were also taken in October 2012. There were no LEL values that equaled or exceeded 100% at any of the thirteen gas monitoring probes. LEL values equaled or exceeded 100% at one gas vent (LF6VENT-4). The methane concentration at LF6VENT-4 was 8.1 ppm. Methane was also detected at gas vents LF6VENT-2, and -3 at concentrations of 1.7 ppm and 0.8 ppm, respectively.

6.2.3 Groundwater and Surface Water Monitoring

Groundwater and surface water monitoring was conducted in June 2011 at 19 monitoring wells (LF6MW-1, -12, LF6VMW-10R2, -17S, -17D, -18, -19, -20, -21, -22, -23, -24, -25, -26, 775VMW-10, -18R, -20R, TMCMW-9 and TMC-USGS-2), two leachate locations (LF6LH-1 and -2), one wetland location (LF6W-1) and three surface water locations (LF6SW-1, -2 and -3) for landfill leachate indicators. Additionally, VOC analysis was performed at monitoring wells 775VMW-10, LF6VMW-12, -24, -25, -26, and TMCMW-9, surface water locations LF6SW-1, -2, -3, wetland sample LF6W-1.

The following summarizes the results for all groundwater, surface water and gas monitoring analytical data, which are presented in Table 6-2. Daily CQCRs completed during the June 2012 sampling round is provided in Appendix B. The complete list of analytes and the validated laboratory data are attached in Appendix C and the raw laboratory data are available in Appendix D.

6.2.3.1 Groundwater Monitoring Results

<u>VOCs</u>

Monitoring wells with VOC exceedances included 775VMW-10, LF6MW-12 and LF6VMW-26.

- Minimum exceedance concentration: vinyl chloride at 4.1 µg/L (NYS Groundwater Standard is 2 µg/L) at LF6MW-12.
- Maximum exceedance concentration: cis-1,2-dichloroethene at 380 µg/L (NYS Groundwater Standard is 5 µg/L) at LF6MW-12.
- Maximum total VOCs: 692.59 µg/L reported at LF6MW-12.

<u>Leachate Indicators</u>

Monitoring wells with leachate indicator exceedances included 775VMW-18R, LF6MW-1, -12, LF6VMW-24, -25, -26, and TMCMW-9.

- TDS exceeded the NYS Groundwater Standards at monitoring wells 775VMW-18R (1,000 mg/L), LF6MW-1 (2,400 mg/L), LF6MW-12 (580 mg/L), LF6VMW-24 (800 mg/L), -26 (510 mg/L), and TMCMW-9 (670 mg/L). The NYS Groundwater Standard for TDS is 500 mg/L.
- Chloride exceeded the NYS Groundwater Standards at monitoring wells LF6MW-1 (1,300 mg/L), 775VMW-18R (460 mg/L), and LF6VMW-24 (390 mg/L). The NYS Groundwater Standard for chloride is 250 mg/L.
- TKN exceeded the NYS Groundwater Standards at monitoring wells LF6VMW-25 (1.4 B mg/L). The NYS Groundwater Standard for TKN is 1 mg/L. The B data qualifier indicates that the analyte was found in an associated blank, as well as in the sample.

Synoptic Results

The following summarizes the groundwater elevations (MSL) for each monitoring well sampled at Landfill 6 in the June 2012 sampling round: 775VMW-10 (457.42 ft), -18R (458.69 ft), -20R (456.39 ft), LF6MW-1 (457.21 ft), -12 (453.27 ft), LF6VMW-10R2 (453.29 ft), -17D (454.6 ft), -17S (455.28 ft), -18 (451.93 ft), -19 (452.8 ft), -20 (453.88 ft), -21 (454.83 ft), -22 (453.49 ft), -23 (453.58 ft), -24 (453.54 ft), -25 (454.4 ft), -26 (452.78 ft), TMCMW-9 (454.49 ft) and TMC-USGS-2 (450.57 ft). The groundwater contours are illustrated in Figure 6-3.

6.2.3.2 Surface Water Monitoring Results

VOCs

No VOC exceedances were reported.

Leachate Indicators

TDS exceeded the NYS Groundwater Standards at sampling locations LF6SW-1 (590 mg/L), -2 (560 mg/L), and -3 (520 mg/L). The NYS Groundwater Standard for TDS is 500 mg/L.

6.2.3.3 MAROS Analysis

The purpose of the MAROS methodology is to recommend an improved groundwater monitoring network by applying statistical techniques to existing historical and current site analytical data. The description of MAROS methodology at Landfill 6 has been removed for readability. This information is provided in the 2009 Landfill AOC LTM Report (FPM, November 2010).

The following summarizes the results of the Mann-Kendall test. Linear Regression was used to confirm any trend reported by the Mann-Kendall test. The statistical summary sheets for both tests can be located in Appendix F. The summarized results for the target indicator parameters listed below are presented in Table 6-3.

Alkalinity [Carbonate (as CO_3)]

- Source Wells
  - Mann-Kendall analyses shows stable trends at 775VMW-10 and LF6MW-12 and a decreasing trend for LF6VMW-26.
  - Linear Regression analyses shows concentrations at 775VMW-10 are increasing, concentrations at LF6MW-12 show no trend, and concentrations at LF6VMW-26 are decreasing.

- Tail Wells

  Mann-Kendall Analysis:
  - Decreasing: 775VMW-20R, LF6VMW-17D, -18, -25, LF6LH-2, TMCMW-9
  - Probably Decreasing: LF6VMW-24
  - Stable: LF6MW-1, LF6VMW-10R2, LF6SW-1, -2, TMC-USGS-2
  - Probably Increasing: LF6VMW-22
  - Increasing: 775VMW-18R, LF6VMW-19, -20, -21, -23, LF6LH-1
  - No Trend: LF6SW-3, LF6WT-1

  Linear Regression Analysis:
  - Decreasing: 775VMW-20R, LF6VMW-17D, -24, LF6LH-2, TMCMW-9
  - Probably Decreasing: LF6VMW-18
  - Stable: LF6MW-1, TMC-USGS-2
  - Probably Increasing: LF6VMW-22
  - Increasing: 775VMW-18R, LF6VMW-19, -20. -21, LF6LH-1, LF6SW-1, -3
  - No Trend: LF6VMW-10R, -23, -25, LF6SW-2, LF6WT-1

Hardness [bicarbonate]

- Source Wells
  - Mann-Kendall analyses show a decreasing trend for source well 775VMW-10, a probably increasing trend for LF6MW-12, and an increasing trend for LF6VMW-26.
  - Linear Regression analyses show a stable trend for source well 775VMW-10, no trend for LF6MW-12, and an increasing trend for LF6VMW-26.

- Tail Wells

  Mann-Kendall Analysis:
  - Decreasing: 775VMW-18R, LF6MW-1, LF6VMW-17D, -20, TMCMW-9
  - Probably Decreasing: LF6VMW-18
  - Stable: LF6VMW-17S, LF6SW-1, -2, -3, TMC-USGS-2
  - Probably Increasing: LF6VMW-10R2 and -22
  - Increasing: 775VMW-20R, LF6VMW-19, -24
  - No Trend: LF6VMW-21, -23, -25, LF6LH-1, -2

  Linear Regression Analysis:
  - Decreasing: 775VMW-18R, -17D, LF6MW-1, LF6VMW-18, -20, TMCMW-9
  - Probably Decreasing: None

- Stable: LF6VMW-17S, -22, -23, LF6SW-1, -2, -3, LF6LH-2, TMC-USGS-2, LF6WT-1
- Probably Increasing: LF6VMW-24
- Increasing: LF6VMW-20R, -19
- No Trend: LF6VMW-10R2, -21, -23, -25, LF6LH-1

Nitrate [nitrogen]

- Source Wells
  - Mann-Kendall analyses show a decreasing trend at 775VMW-10, a stable trend at LF6MW-12, and a probably increasing trend at LGVMW-26.
  - Linear Regression analyses show a decreasing trend at 775VMW-10, a stable trend at LF6MW-12, and an increasing trend at LGVMW-26.

- Tail Wells

  Mann-Kendall Analysis:
  - Decreasing: LF6VMW-18
  - Probably Decreasing: None
  - Stable: LF6VMW-17D, -24, LF6SW-1, -2, -3
  - Probably Increasing: LF6VMW-24
  - Increasing: LF6VMW-10R2, -17S, -19, -21, -22, TMC-USGS-2
  - No Trend: 775VMW-18R, 20R, LF6MW-1, LF6VMW-20, -23, -25, LF6LH-1, -2, TMCMW-9, LF6WT-1

  Linear Regression Analysis:
  - Decreasing: 775VMW-18R, LF6VMW-18
  - Probably Decreasing: None
  - Stable:, LF6VMW-17D, -24, LF6SW-1, -2, -3
  - Probably Increasing: LF6MW-1, LF6VMW-20, LF6LH-2, TMC-USGS-2
  - Increasing: LF6VMW-10R2, -17S, -19, -21, -22
  - No Trend: 775VMW-20R, LF6VMW-23, -25, LF6LH-1, TMCMW-9, LF6WT-1

Total Organic Carbon

- Source Wells
  - Mann-Kendall analyses shows a stable trend at 775VMW-10 and LF6VMW-26 and show no trend at LF6MW-12.
  - Linear Regression analyses shows trends at 775VMW-10 are stable, trends at LF6MW-12 are probably increasing, and concentrations at LF6VMW-26 are stable.

- Tail Wells

  Mann-Kendall Analysis:
  - Decreasing: LF6VMW-17D, -20, -25, LF6SW-3
  - Probably Decreasing: LF6MW-1, LF6SW-1, -2
  - Stable: 775VMW-20R, LF6VMW-17S, -18, -21, -23, -24, TMCMW-9
  - Probably Increasing:
  - Increasing: LF6LH-1

- No Trend: 775VMW-18R, LF6VMW-10R2, -19, -22, LF6LH-2, TMC-USGS-2, LF6WT-1

Linear Regression Analysis:

- Decreasing: LF6VMW-21, -25, LF6SW-2
- Probably Decreasing: LF6MW-1, LF6VMW -17D
- Stable: 775VMW-20R, LF6VMW-18, -20, -24, LF6SW-1, -3, TMCMW-9
- Probably Increasing: None
- Increasing: LF6LH-1
- No Trend: 775VMW-18R, LF6VMW-10R2, -17S, -19, -22, -23, LF6LH-2, TMC-USGS-2, LF1WT-1

6.2.4 Conclusions

Landfill Cap Inspections and Maintenance

The semiannual inspections have not identified any major deficiencies that would jeopardize the integrity of the cover and there is optimal vegetation cover on the cap. Inspections are also conducted following significant weather events (5-Year Storm events). No significant weather events occurred in 2012.

Landfill Gas Monitoring

Methane was not detected at any of the gas monitoring probes or vents during the spring 2012 gas sampling rounds. In the fall 2012 gas sampling round, one gas vent showed a LEL value exceeding 100%. LF6VENT-4, located in the center of the landfill, showed a methane concentration of 8.1 ppm. Two vents in the vicinity of LF6VENT-4 also showed methane detects; however LEL values were well below 100%. No methane detections were reported at any of the other gas vents or gas monitoring probes.

Groundwater and Surface Water

As listed in the final Remedial Action (RA) Work Plan (WP) (Parsons, July 2008), the selected remedy for the Landfill 6 trichloroethene (TCE) Site is enhanced bioremediation. This process is intended to increase biodegradation of the groundwater contaminants by injecting a vegetable oil emulsion into the ground upgradient of monitoring well LF6MW-12. The vegetable oil emulsion accelerates the natural breakdown of the chemicals, reducing the concentration of contaminants. To assess the effectiveness of the injections, semiannual performance sampling is conducted independent from the Landfill 6 LTM sampling. Performance monitoring reports are issued independently of this report.

The relatively high concentrations of cis-1,2-DCE and TCE found at monitoring wells LF6MW-12 and LF6VMW-26 do not appear to be directly impacting downgradient surface water locations along Three Mile Creek. TCE detections were recorded at surface water sampling locations LF6SW-1 and -2, but they were one-time occurrences with concentrations well below their respective reporting limits. Daughter compounds associated with the breakdown of TCE

have not been detected at any of the three surface water sampling locations since surface water sampling began in July 2006. The total VOC concentration trends for monitoring wells within or adjacent the TCE plume (LF6MW-12, LF6VMW-23, -24, -25, -26, and TMCMW-9) are presented in Figure 6-4. The TCE plume is illustrated in Figure 6-2.

Landfill leachate indicators were above NYS Groundwater and Surface Water Standards at 775VMW-18R, LF6MW-1, -12, LF6VMW-24, -25, -26, and TMCMW-9. The exceedances included chloride, TDS, and TKN.

All concentrations of leachate indicators at the overburden wells and surface water locations were comparable to previous results and below the typical range of municipal landfill leachate (Lee and Jones, 1991). This reference was used during the Baseline Study of the former Griffiss AFB Landfill AOCs and is provided in Table 2-4. The leachate indicators at 775VMW-18R, LF6MW-1, -12, LF6VMW-24, -25, -26, and TMCMW-9 are not believed to be associated with landfill leachate. 775VMW-18R, LF6MW-1 are upgradient wells. The leachate indicators at LF6MW-12, LF6VMW-24, and TMCMW-9 are believed to be associated with the Building 775 and Landfill 6 TCE plume. LF6MW-12 is located within the plume and LF6VMW-24 and TMCMW-9 are located adjacent to the plume. This plume is addressed under the On-Base Groundwater Operable Unit (SD052).

The alkalinity and hardness concentrations were reported from 4 mg/L to 470 mg/L, and 74 mg/L to 460 mg/L, respectively. The alkalinity and hardness concentrations at monitoring wells in the LF6 LTM Network showed sporadic trends as shown in Figure 6-5 (alkalinity) and 6-6 (hardness). Alkalinity and hardness are important indicators of the plume extent because the landfill material tends to propagate microbial activity which generates carbon dioxide. This process increases the dissolution of minerals and alkalinity which increases hardness (Baedecker and Back, 1979).

For the June 2012 sampling round, hardness levels throughout the LTM network were similar to the levels measured in the background/upgradient wells. The concentrations of leachates indicators alkalinity and hardness are plotted in Figure 6-7.

MAROS Analysis

Utilizing the results of the LF009 LTM sampling rounds (June 2006 through June 2012) MAROS analysis was performed (See Table 6-3). Results of the evaluation showed an overall decreasing/stabilizing trend at source monitoring wells 775VMW-10 and LF6MW-12for alkalinity TOC, hardness, and nitrogen. Results showed an overall increasing/stabilizing trend at source monitoring well LF6VMW-26. This monitoring well is located downgradient groundwater flow to LF6MW-12.

Among the tail monitoring wells, the upgradient wells (775VMW-18R, -20R, LF6MW-1, and LF6VMW-21) showed overall increasing alkalinity, decreasing hardness, no trend for nitrate, and stable TOC. The downgradient wells (LF6VMW-17S, -17D, -18, -19, and -20) showed overall decreasing alkalinity, decreasing hardness, increasing nitrate, and decreasing/stable TOC. The wells adjacent to the Landfill 6 TCE plume (LF6VMW-10R2, -22, -23, -24, -25, and

TMCMW-9) showed overall decreasing/stable alkalinity, increasing hardness, increasing nitrate, and stable TOC.

6.3 LTM OPTIMIZATION RECOMMENDATIONS

Based on the latest LTM results, the current scopes of semiannual landfill gas sampling, landfill cap inspections, annual groundwater sampling, and annual surface water sampling will continue. Please refer to Table 6-4 for the summary of the Landfill 6 AOC LTM Network. All previous LTM Network optimization is provided in Table 6-5.

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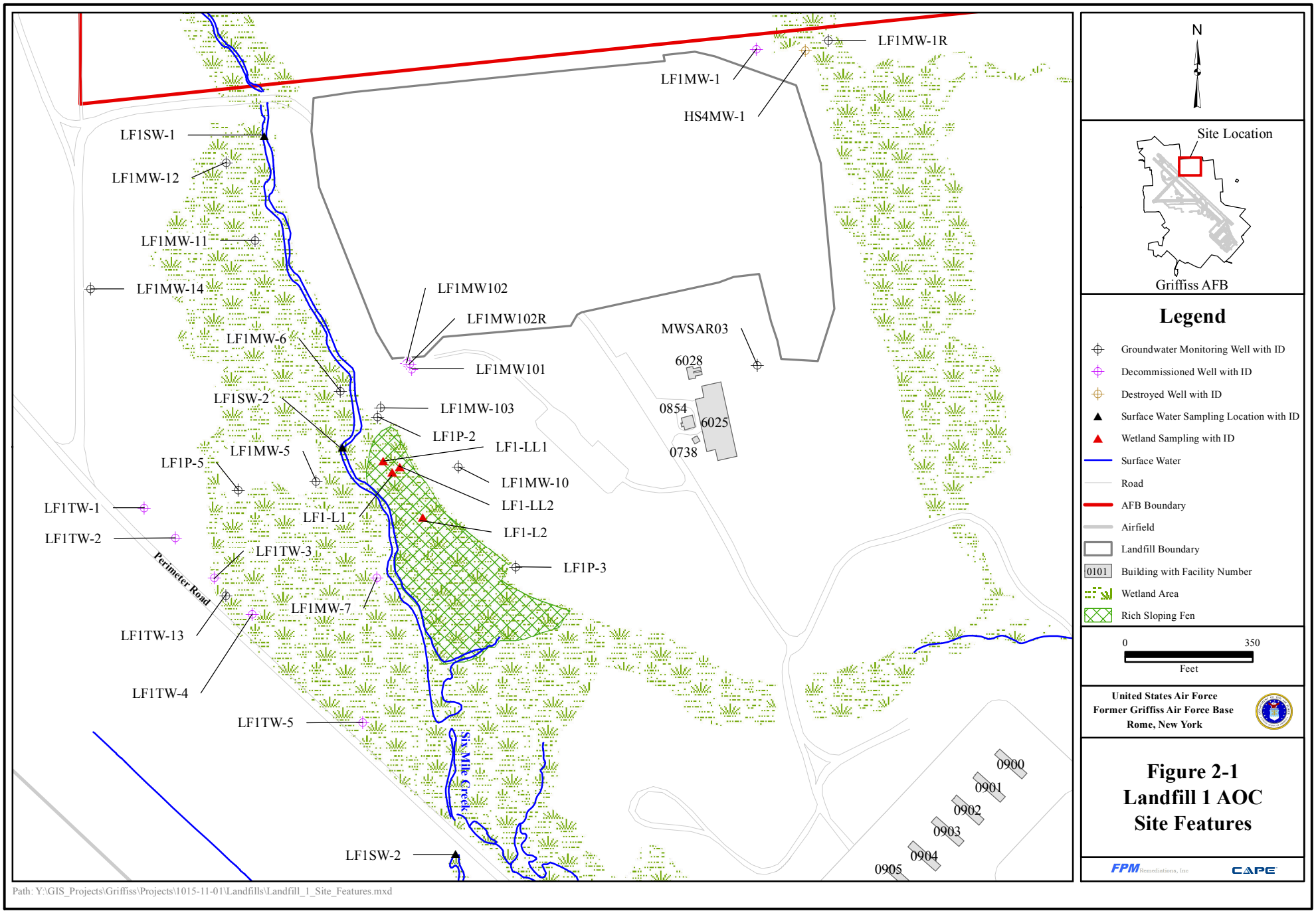
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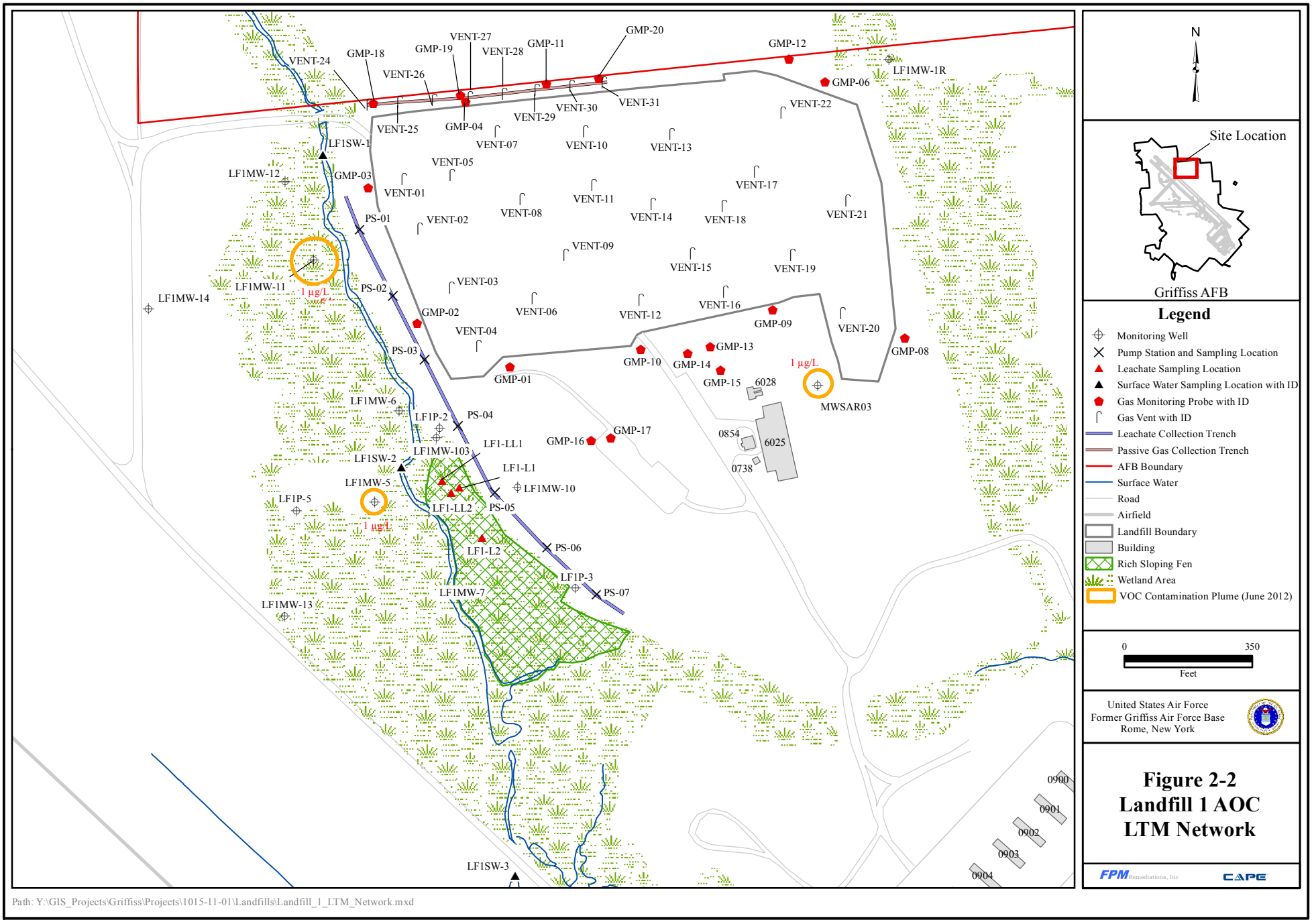
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*Fi*gures

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N

Site Location

Griffiss AFB

Legend

- Monitoring Well
- Pump Station and Sampling Location
- Leachate Sampling Location
- Surface Water Sampling Location with ID
- Gas Monitoring Probe with ID
- Gas Vent with ID
- Leachate Collection Trench
- Passive Gas Collection Trench
- AFB Boundary
- Surface Water
- Road
- Airfield
- Landfill Boundary
- Building
- Rich Sloping Fen
- Wetland Area
- VOC Contamination Plume (June 2012)

0 350

Feet

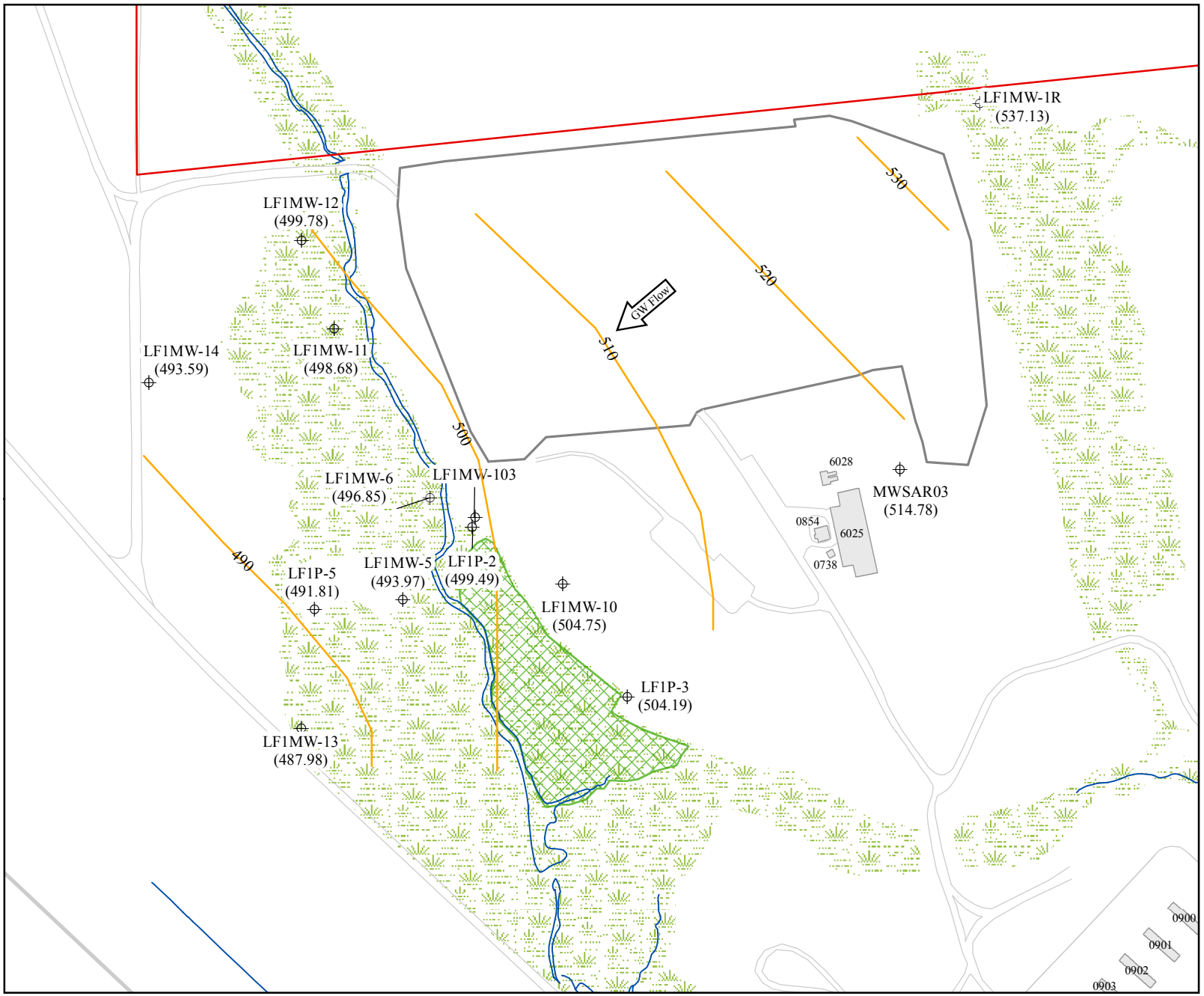
United States Air Force
Former Griffiss Air Force Base
Rome, New York

Figure 2-2
Landfill 1 AOC
LTM Network

FPM Remediations, Inc

CAPE

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N

Site Location

Griffiss AFB

Legend

- Landfill 1 Well Location
- 10 ft - groundwater contour
- AFB Boundary
- Surface Water
- Road
- Airfield
- Landfill Boundary
- Building
- Rich Sloping Fen
- Wetland Area

0 250 500

Feet

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Former Griffiss Air Force Base
Rome, New York

Figure 2-3
Landfill 1 AOC
Groundwater
Contour Map

FPM Remediations, Inc

CAPE

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Figure 2-4
Landfill 1 AOC Total VOC Concentration Trends

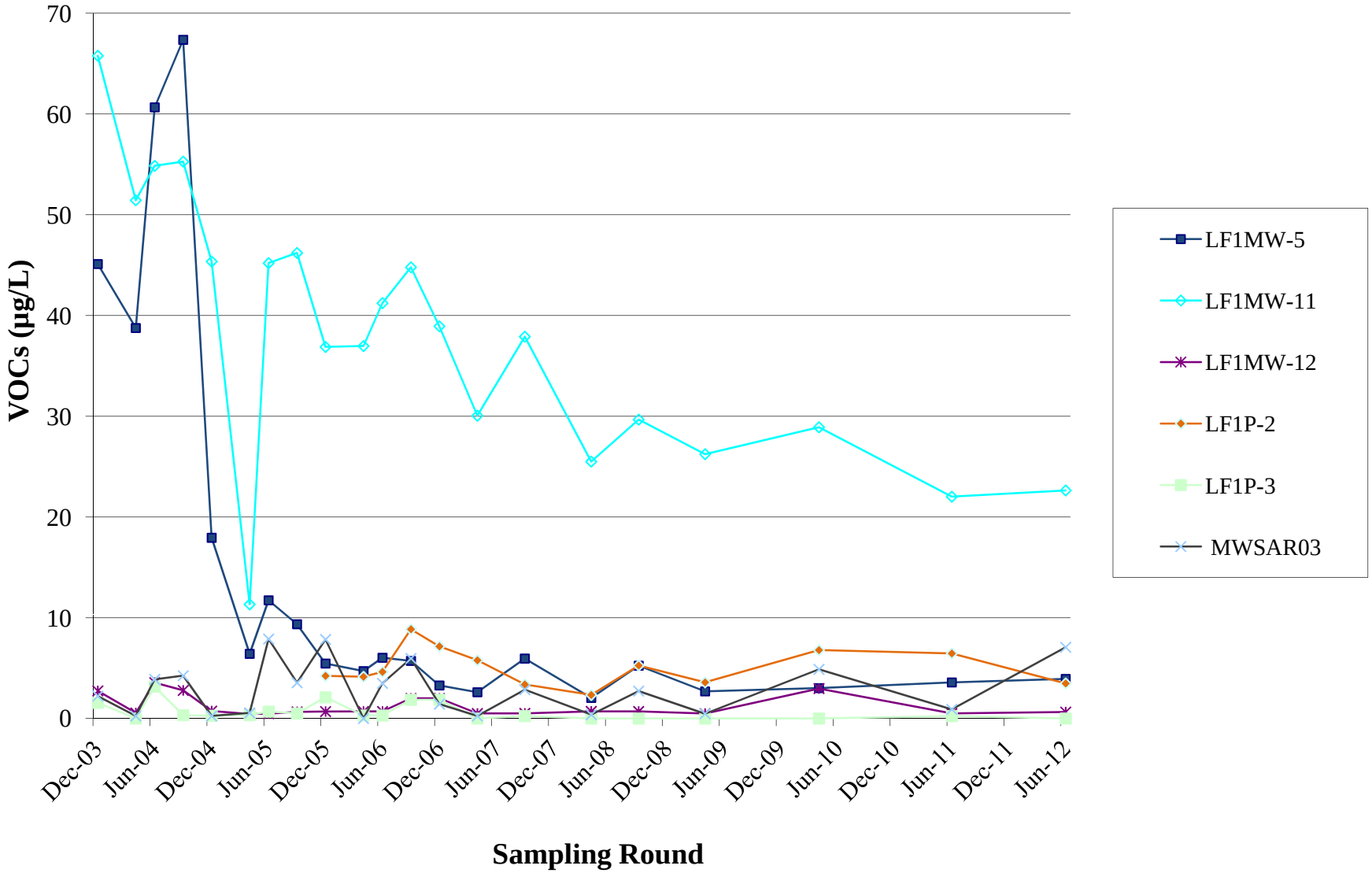


Figure 2-5
Landfill 1 AOC Alkalinity Concentration Trends

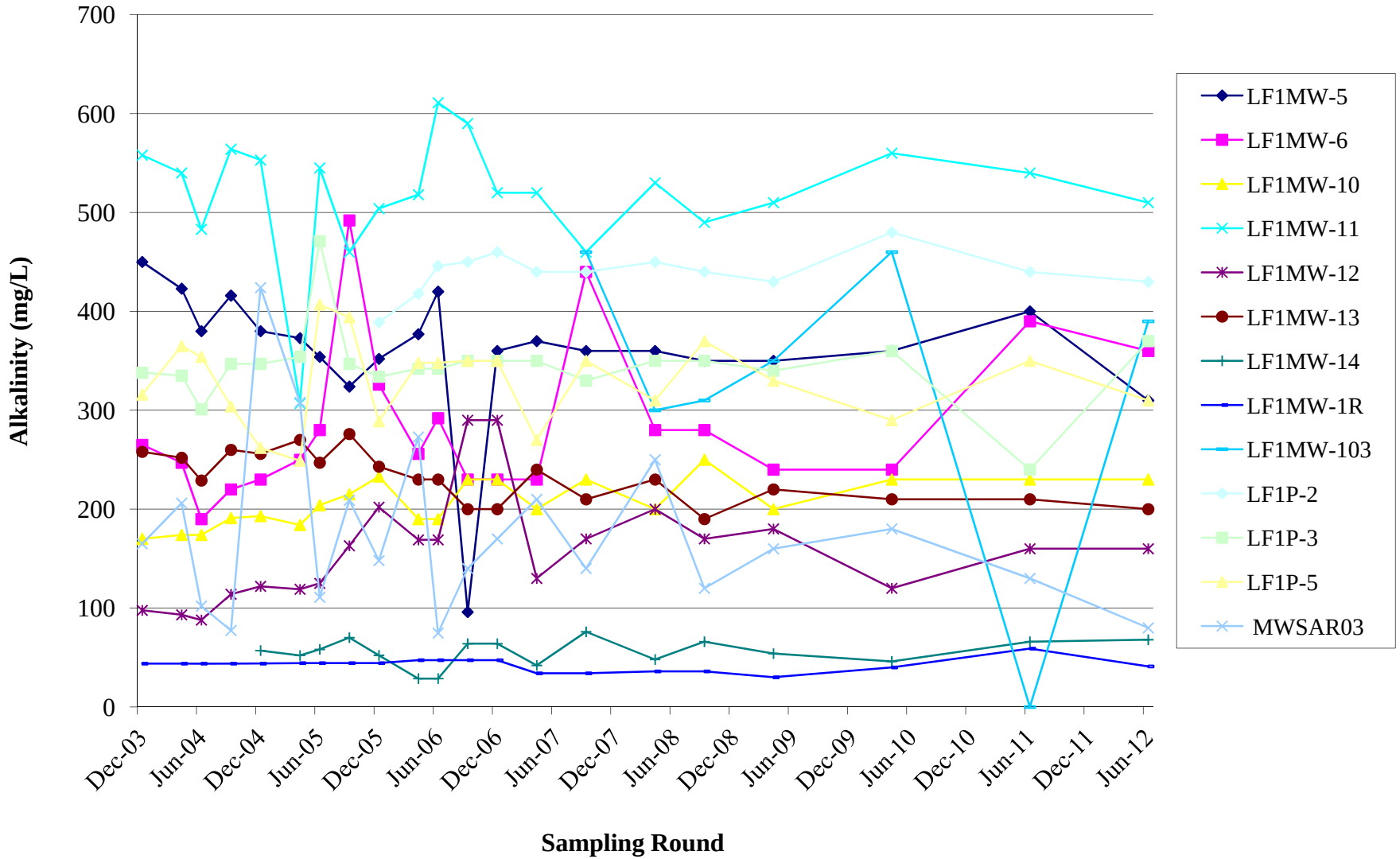


Figure 2-6
Landfill 1 AOC Hardness Concentration Trends

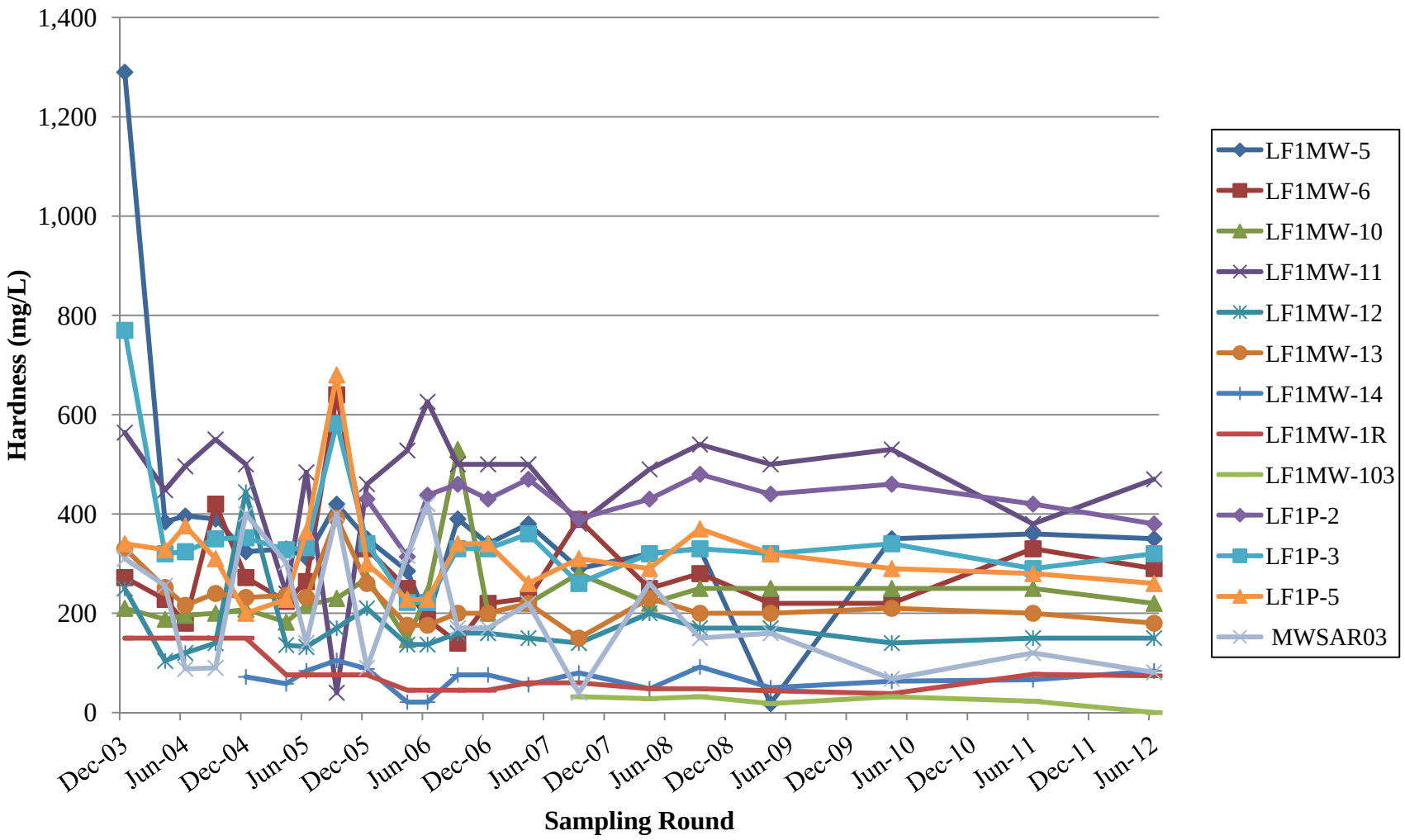
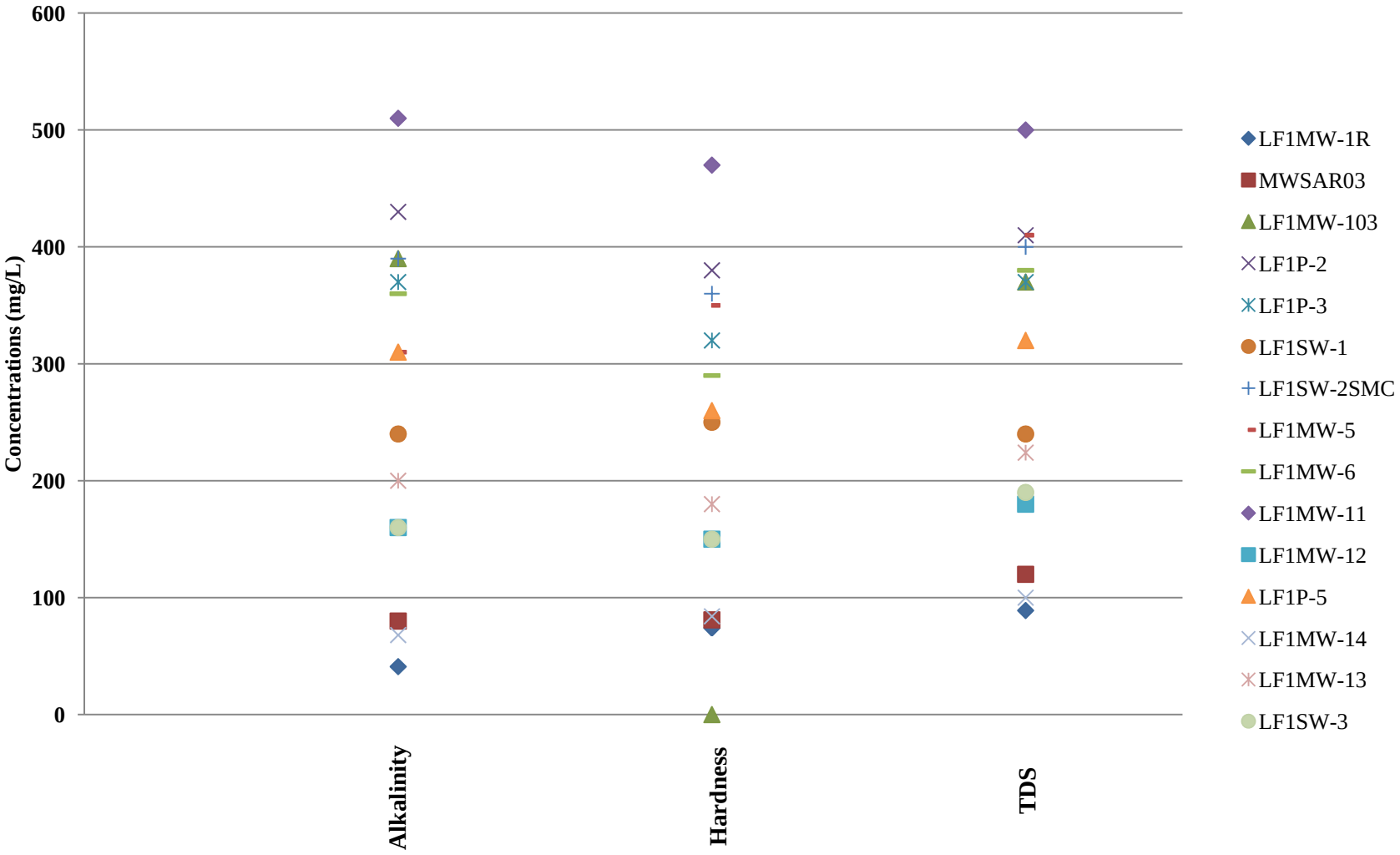
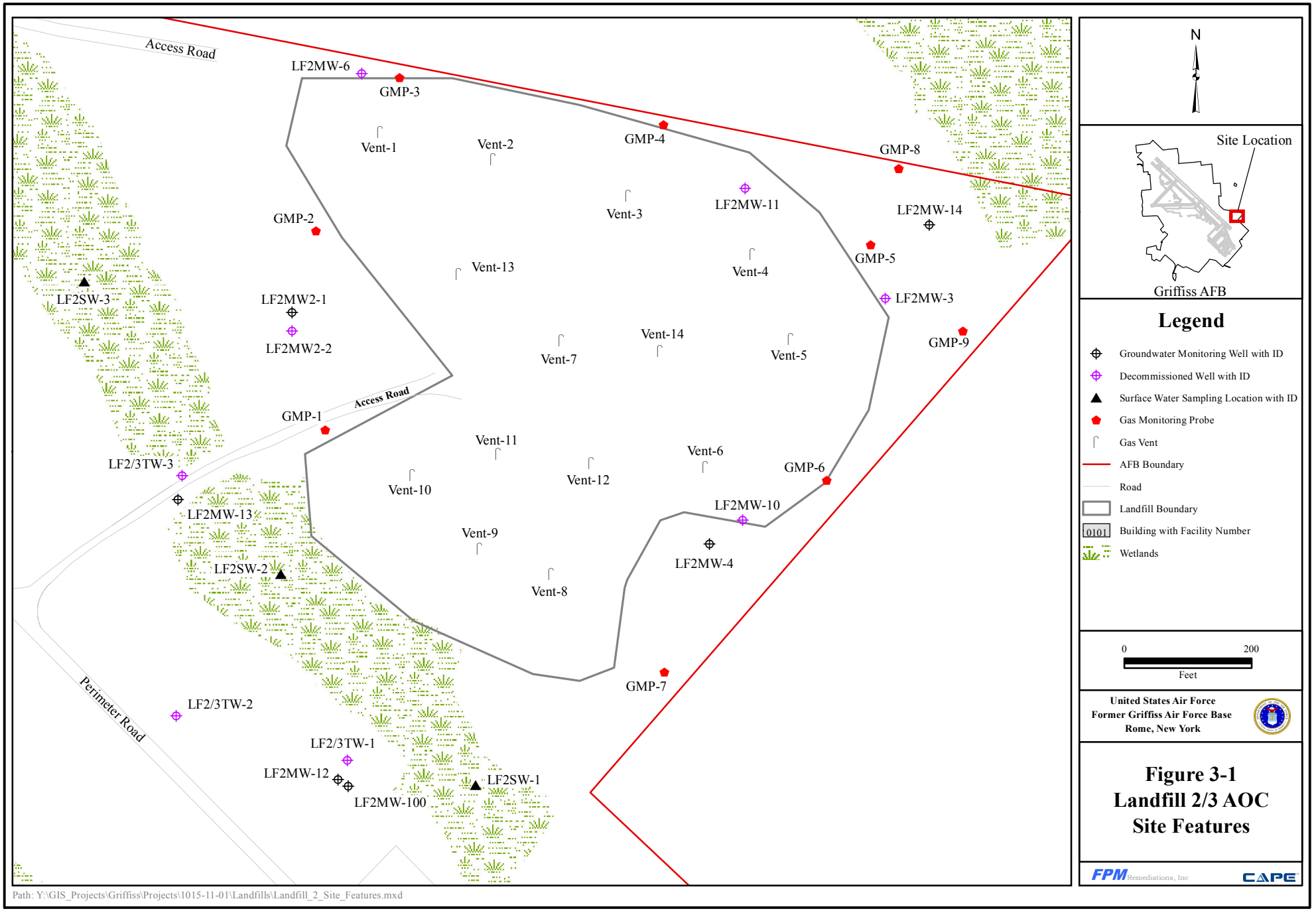
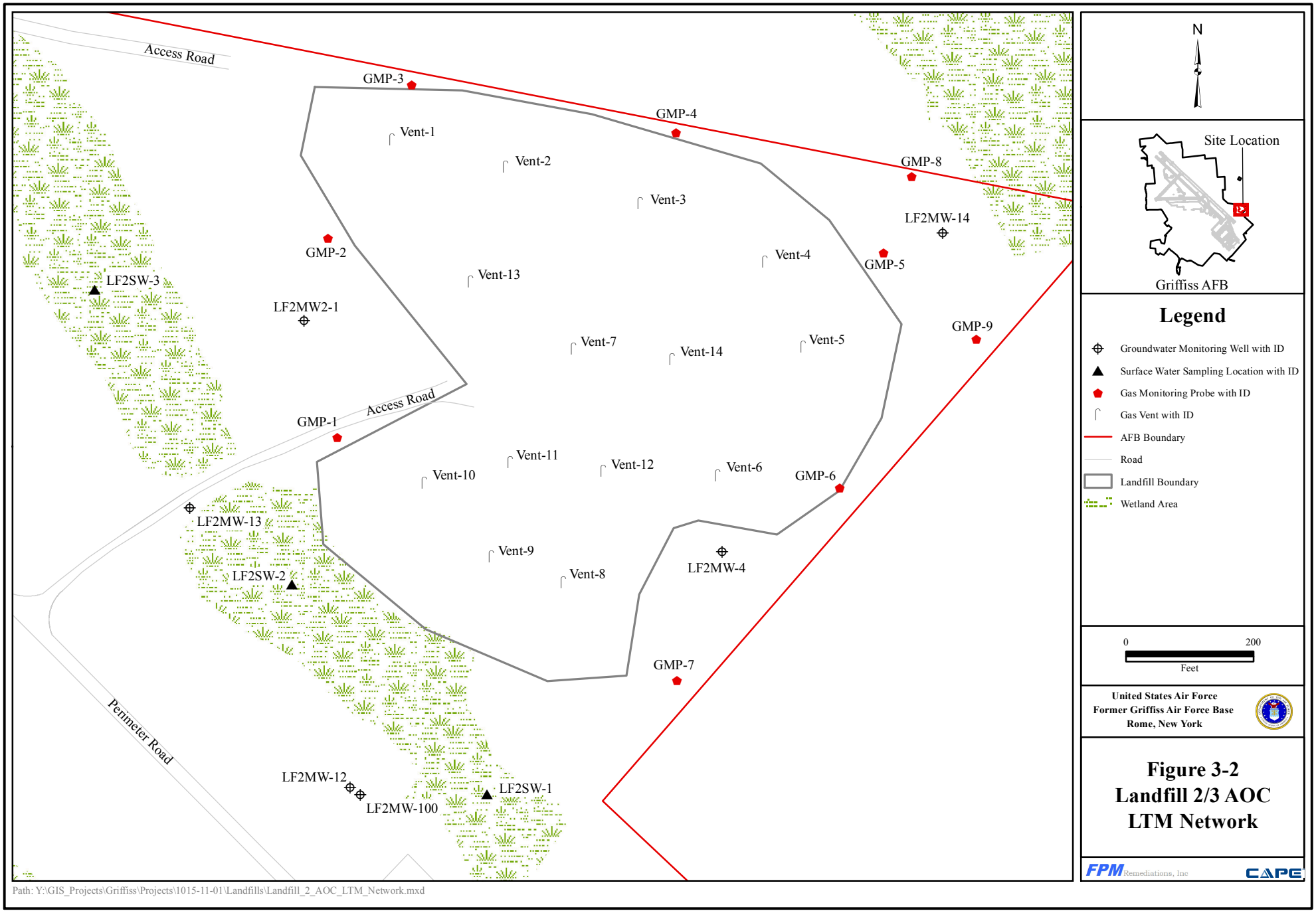


Figure 2-7: Landfill 1 Leachate Concentrations Trends

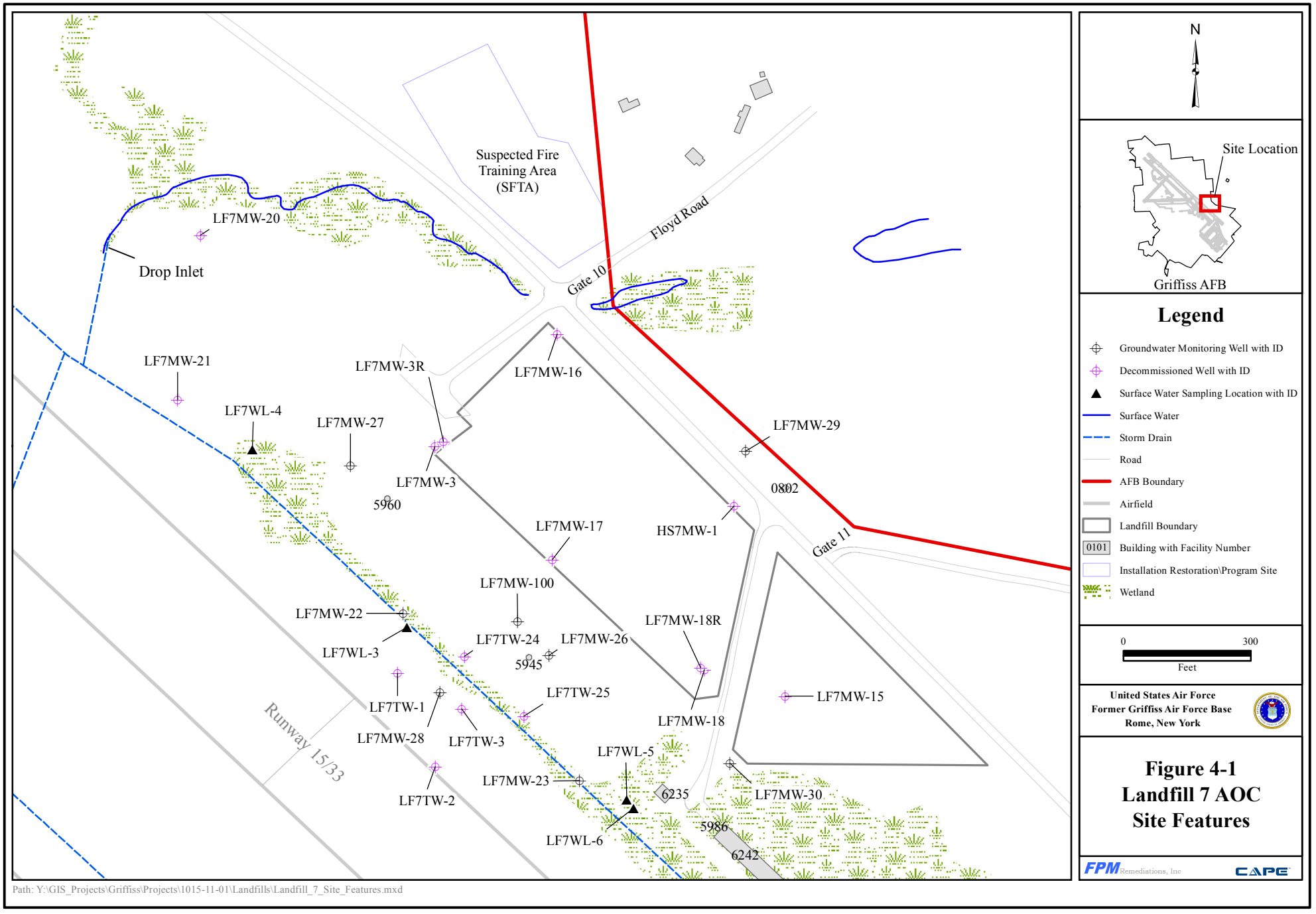




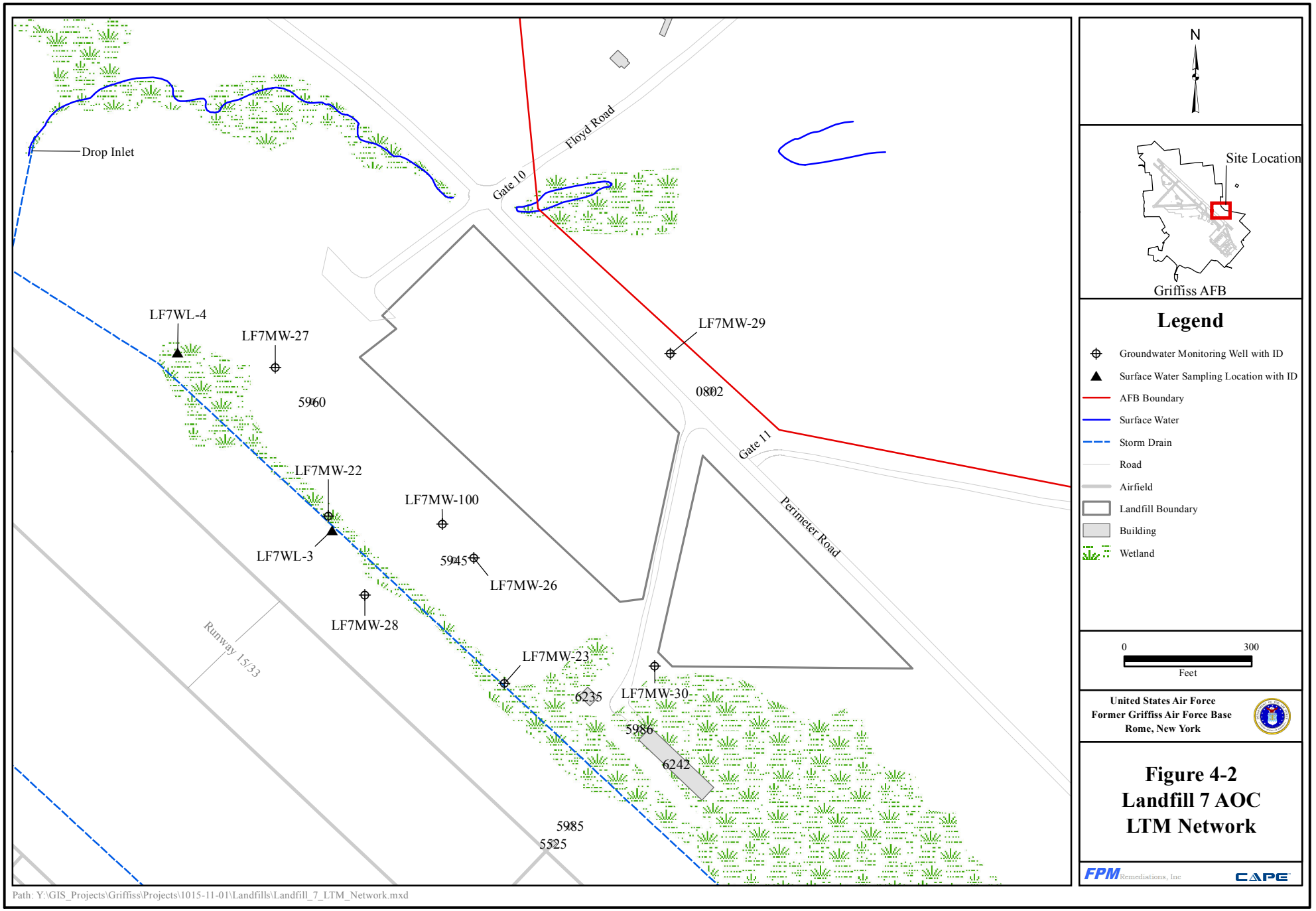
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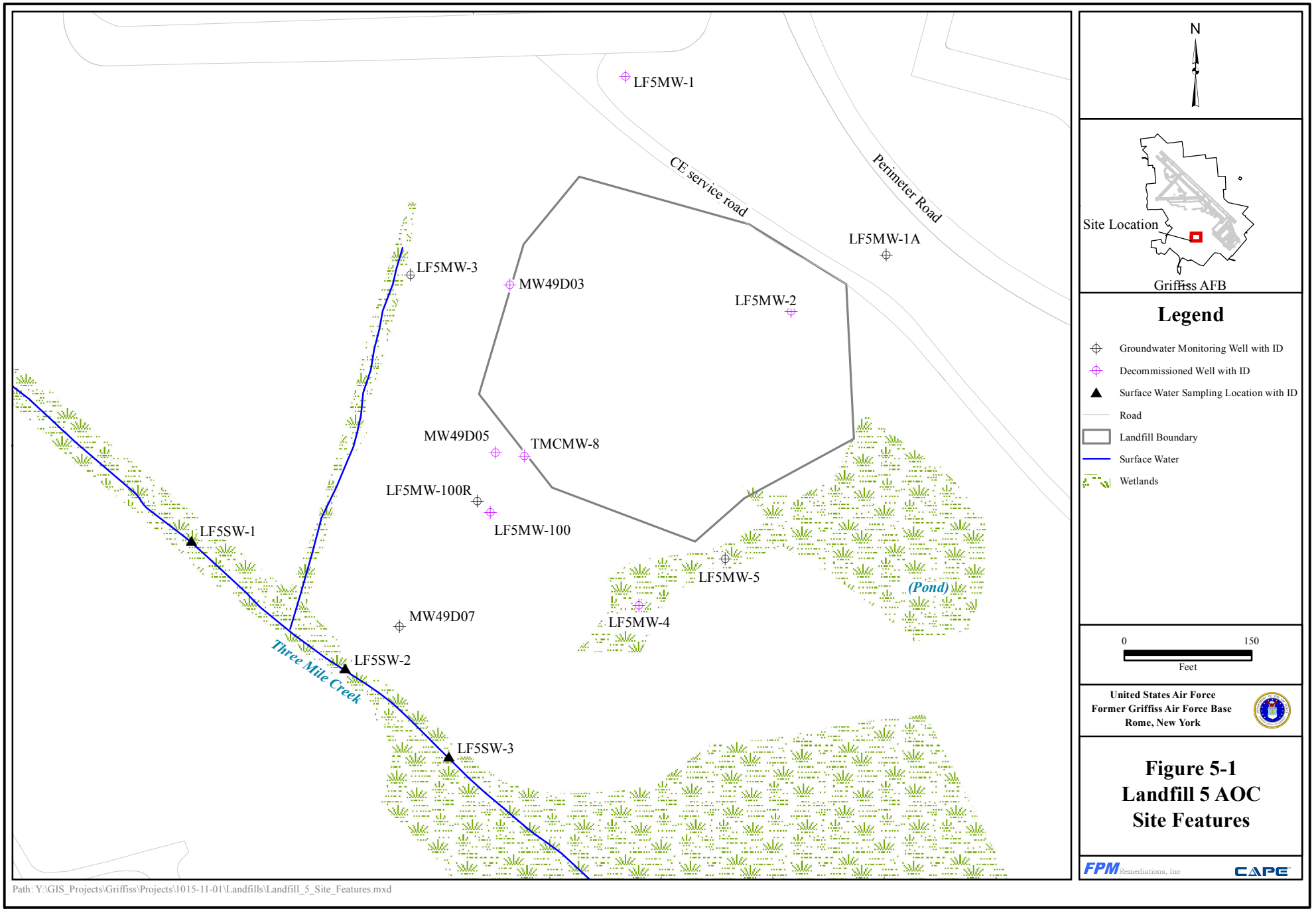
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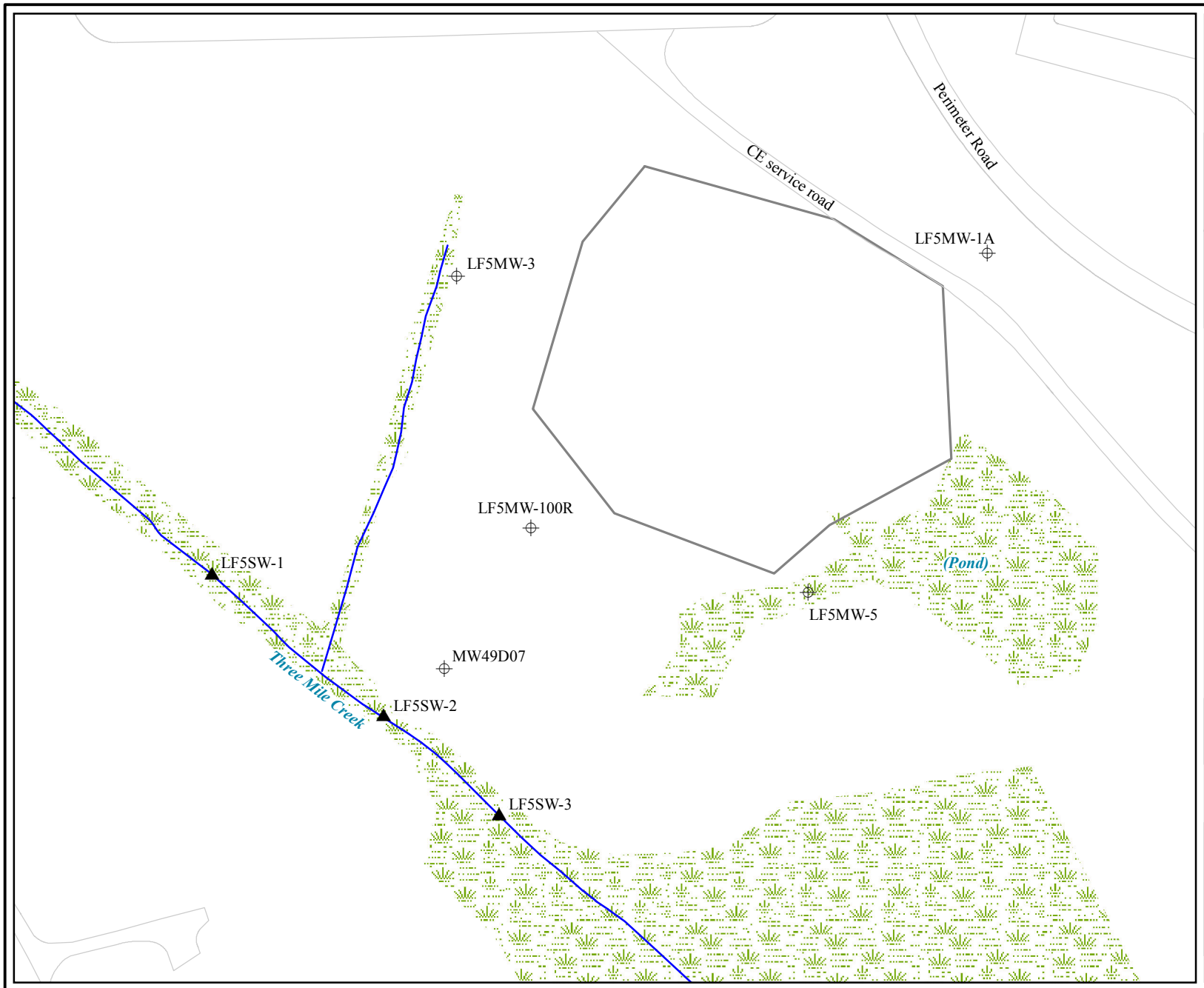
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N

Site Location

Griffiss AFB

Legend

- Groundwater Monitoring Well with ID
- Surface Water Sampling Location with ID
- Road
- Surface Water
- Landfill Boundary
- Wetlands

0 150

Feet

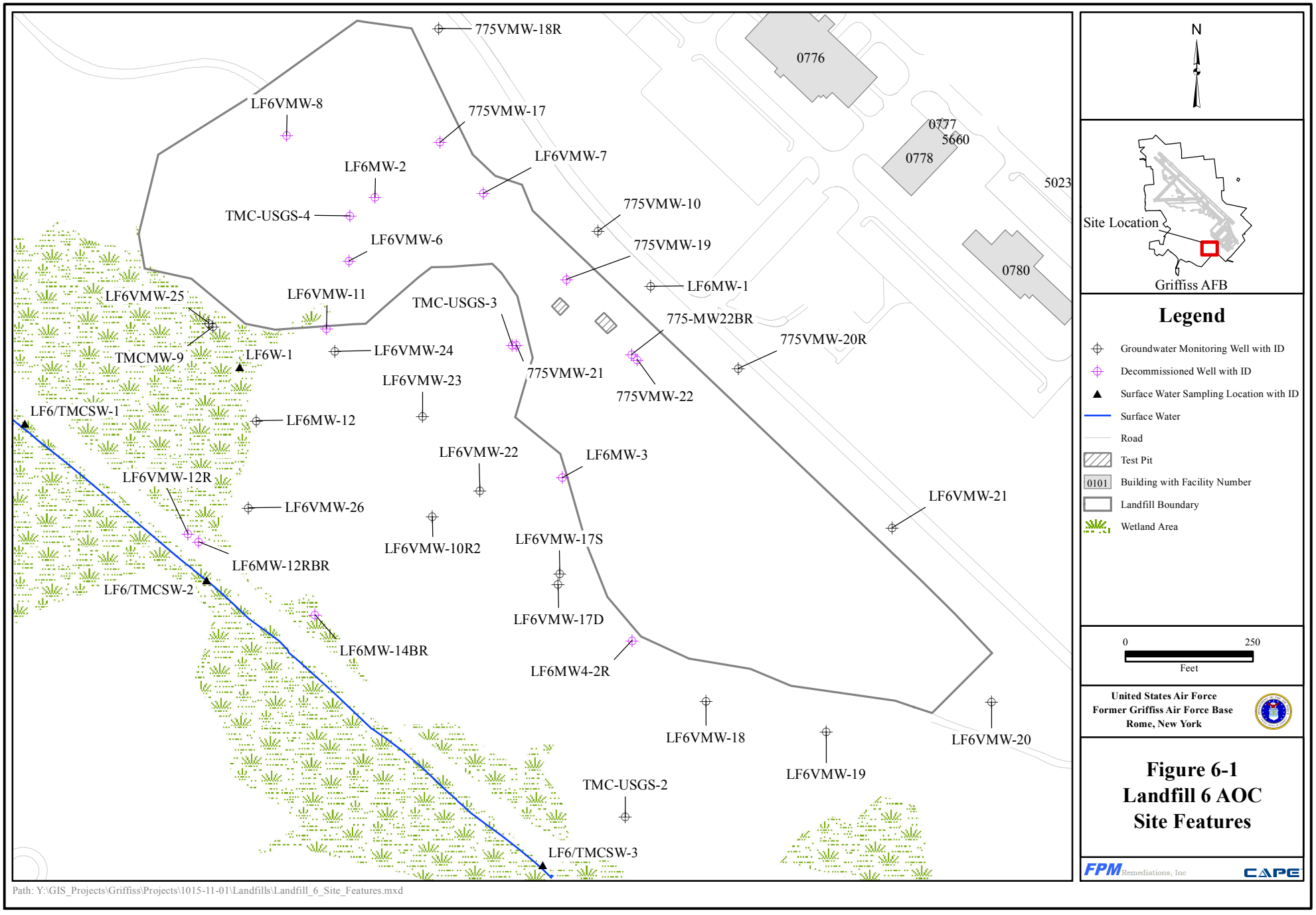
United States Air Force
Former Griffiss Air Force Base
Rome, New York

Figure 5-2
Landfill 5 AOC
LTM Network

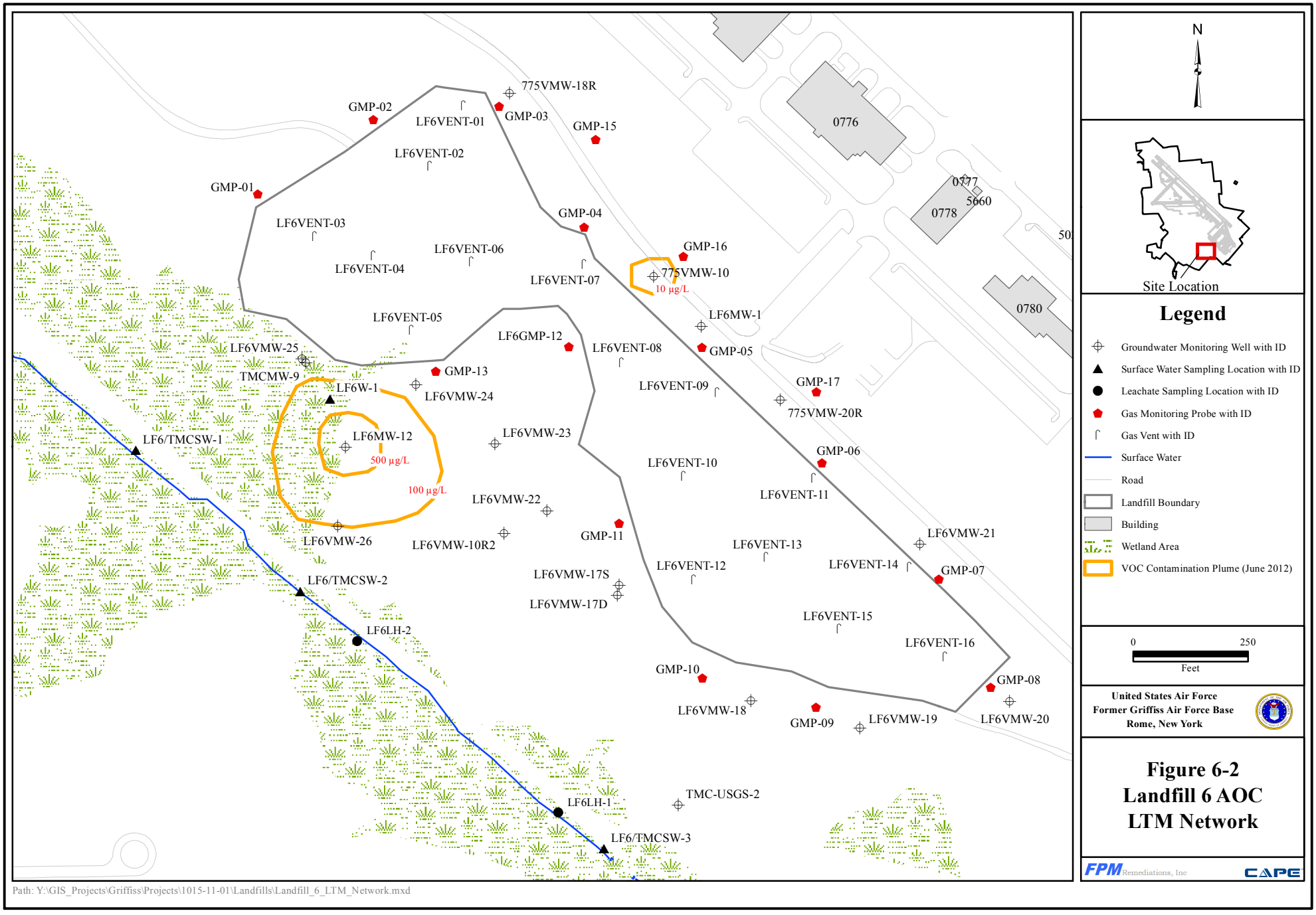
FPM Remediations, Inc

CAPE

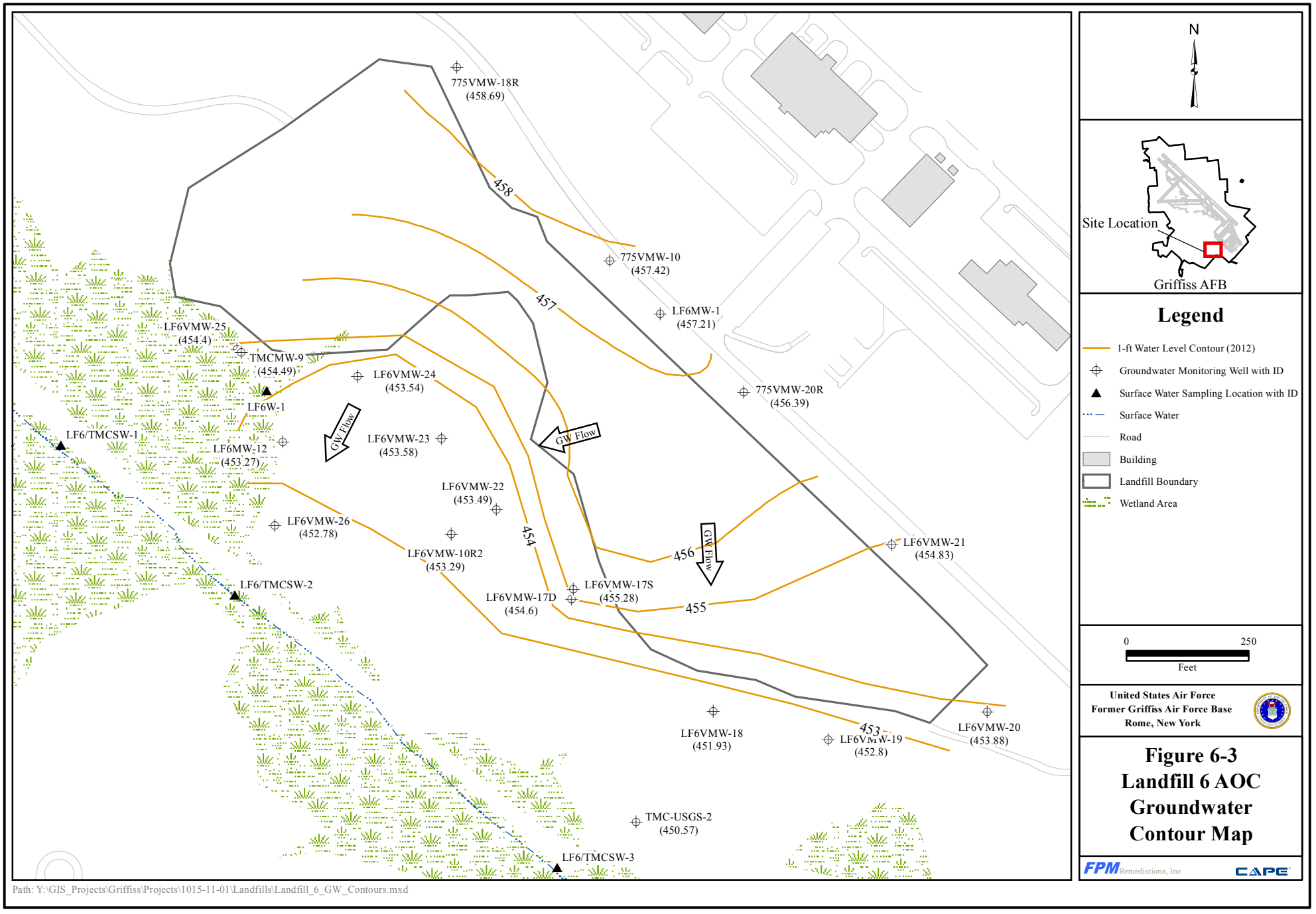
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Figure 6-4
Landfill 6 AOC Total VOC Concentration Trends

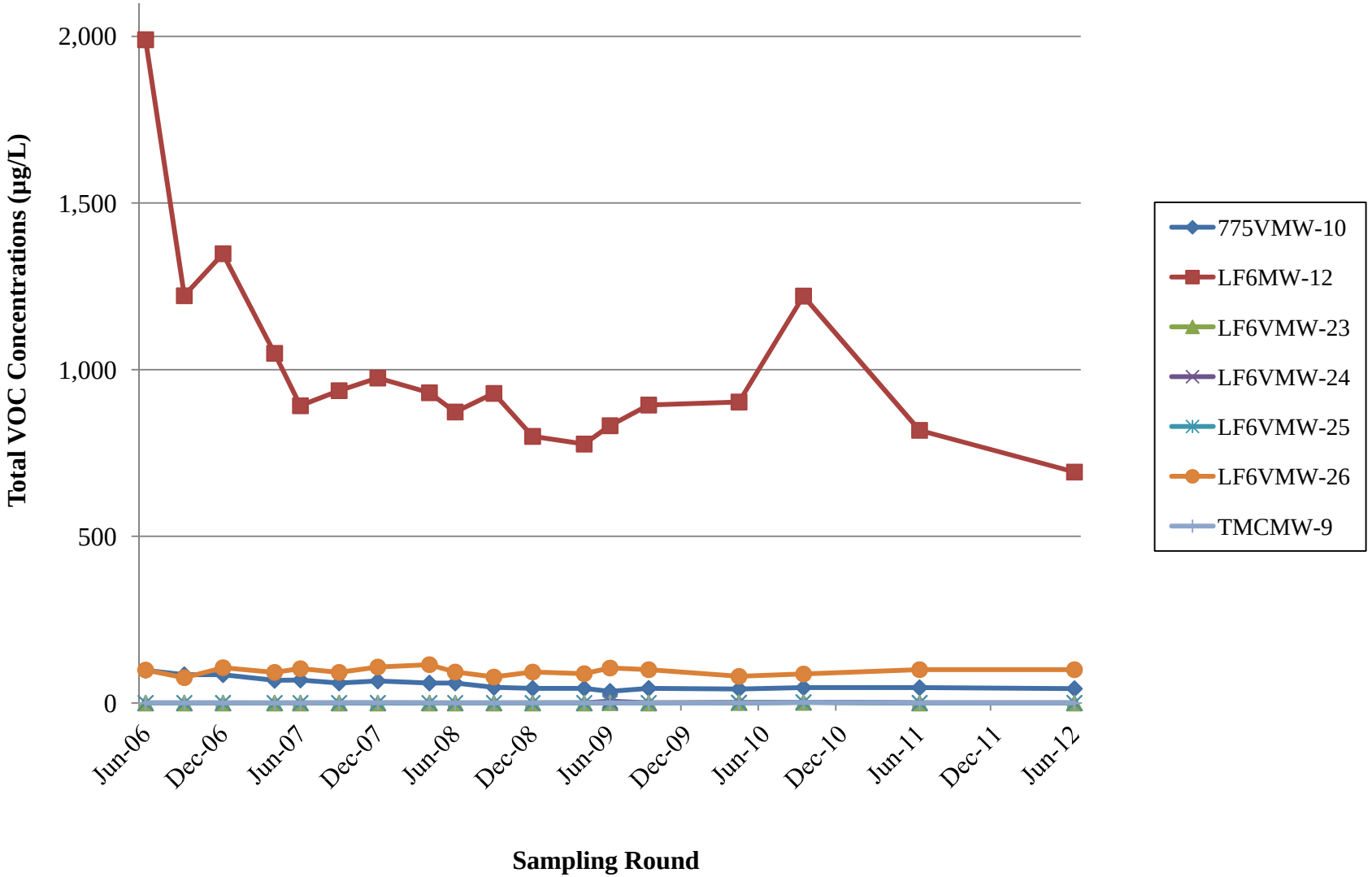


Figure 6-5
Landfill 6 AOC Alkalinity Concentration Trends

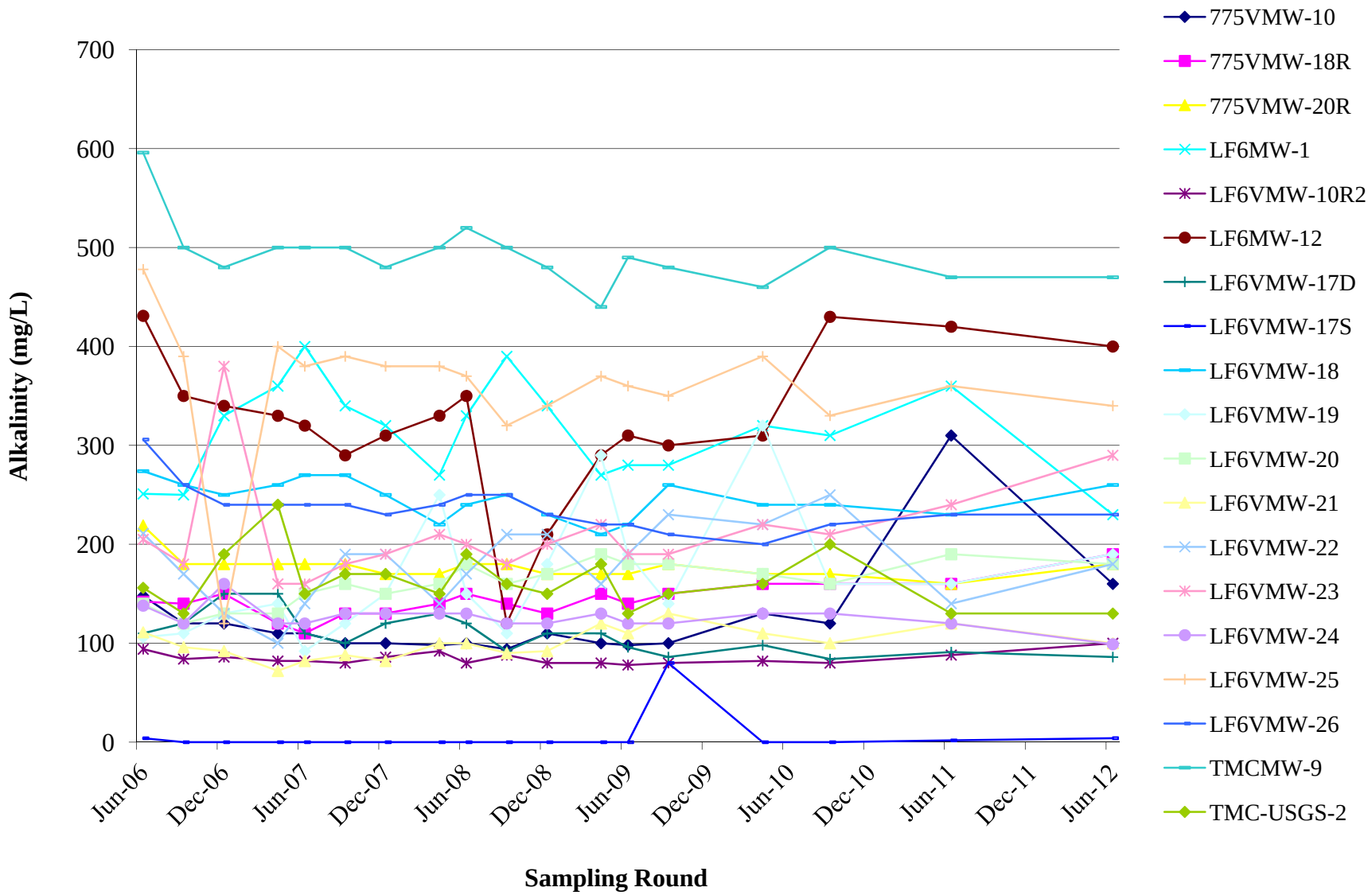


Figure 6-6
Landfill 6 AOC Hardness Concentration Trends

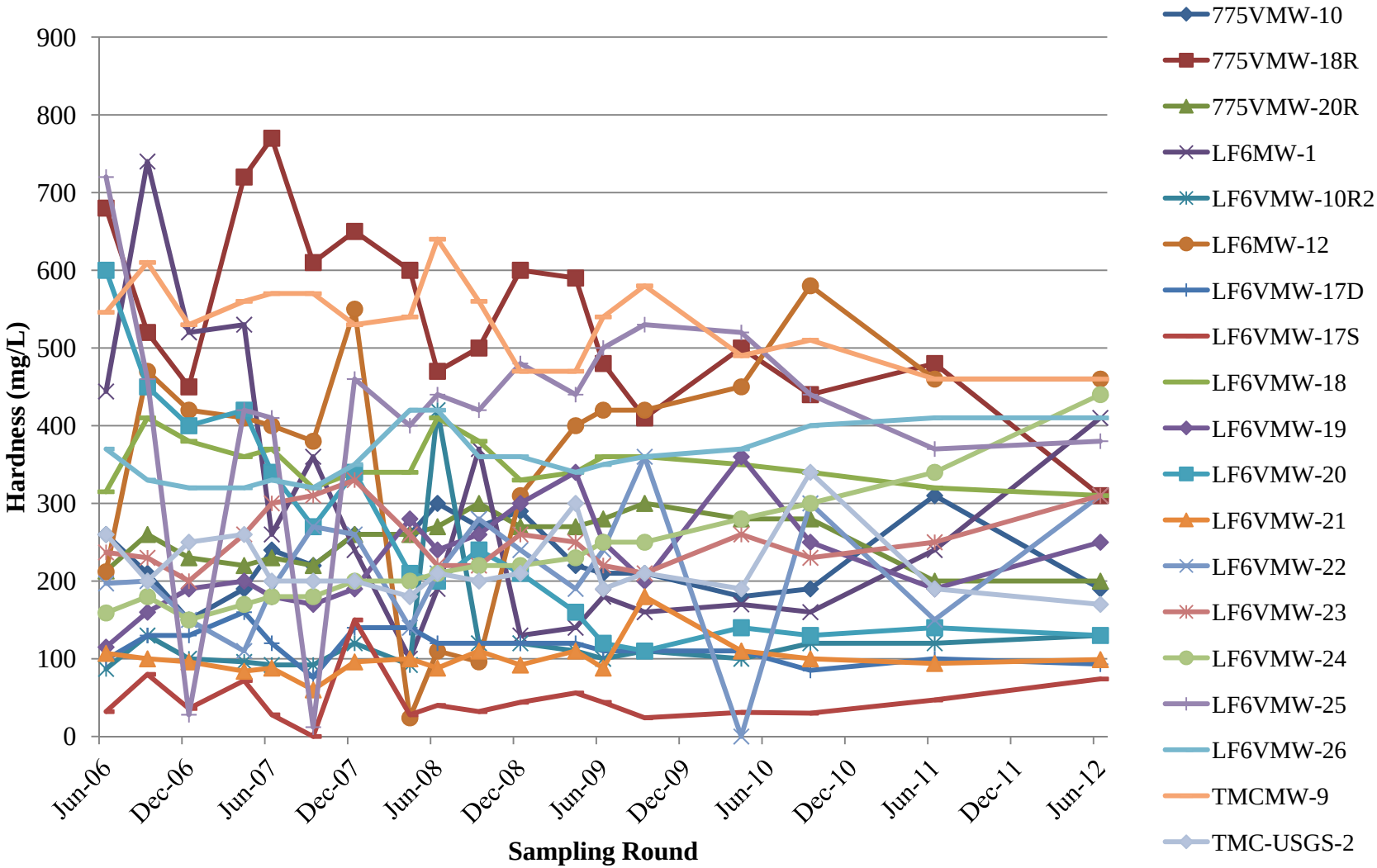
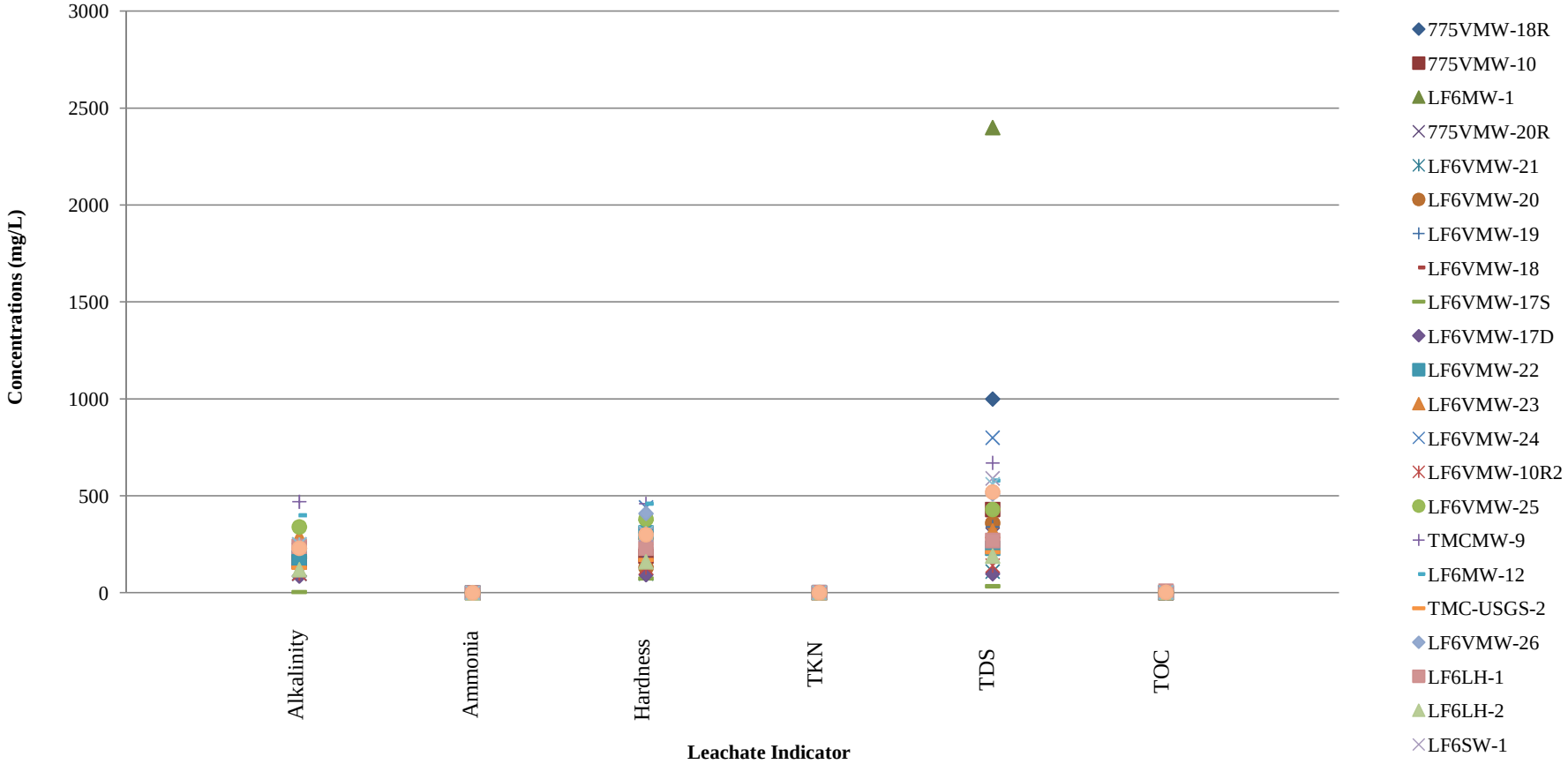


Figure 6-7
Landfill 6 AOC Leachate Indicator Concentrations (2012)



Tables

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Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	27-Sep-04				4-Oct-04				5-Nov-04			
	Barometric Pressure (in.) =			29.68	Barometric Pressure (in.) =			29.41	Barometric Pressure (in.) =			29.11
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	58.3	2.3	32.5	---	---	---	---	---	---	---	---
LF1GMP-02	>100	48.5	0.0	35.3	---	---	---	---	---	---	---	---
LF1GMP-03	>100	64.5	0.0	35.3	---	---	---	---	---	---	---	---
LF1GMP-04	>100	63.8	0.0	36.4	---	---	---	---	>100	56.6	0.5	42.7
LF1GMP-06	>100	76.4	0.0	10.6	---	---	---	---	>100	74.8	0.2	7.7
LF1GMP-08	>100	15.3	0.5	18.8	---	---	---	---	---	---	---	---
LF1GMP-09	>100	53.3	0.1	29.0	---	---	---	---	---	---	---	---
LF1GMP-10	>100	35.4	1.9	30.2	---	---	---	---	---	---	---	---
LF1GMP-11	NI	NI	NI	NI	NI	NI	NI	NI	>100	40.6	2.4	33.5
LF1GMP-12	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	19.4	2.6
LF1GMP-13	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	17.9	0.5
LF1GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	19.0	1.1
LF1GMP-15	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	19.9	0.9
LF1GMP-16	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	18.5	2.6
LF1GMP-17	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	18.3	1.9
LF1GMP-18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GMP-19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GMP-20	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-01	---	---	---	---	>100	7.2	19.2	4.4	---	---	---	---
LF1GV-02	---	---	---	---	>100	14.8	16.7	10.4	---	---	---	---
LF1GV-03	---	---	---	---	>100	19.0	4.6	13.8	---	---	---	---
LF1GV-04	---	---	---	---	>100	35.0	6.2	27.0	---	---	---	---
LF1GV-05	---	---	---	---	>100	17.6	15.8	12.7	---	---	---	---
LF1GV-06	---	---	---	---	>100	33.0	10.5	21.7	---	---	---	---
LF1GV-07	---	---	---	---	>100	11.5	18.2	7.6	---	---	---	---
LF1GV-08	---	---	---	---	>100	33.5	10.6	19.9	---	---	---	---
LF1GV-09	---	---	---	---	>100	6.9	19.2	3.9	---	---	---	---
LF1GV-10	---	---	---	---	>100	22.6	13.9	16.9	---	---	---	---
LF1GV-11	---	---	---	---	>100	8.9	19.1	4.5	---	---	---	---
LF1GV-12	---	---	---	---	>100	18.2	15.2	12.8	---	---	---	---
LF1GV-13	---	---	---	---	>100	55.4	0.6	42.1	---	---	---	---
LF1GV-14	---	---	---	---	>100	11.9	18.1	6.9	---	---	---	---
LF1GV-15	---	---	---	---	>100	11.5	18.2	6.1	---	---	---	---
LF1GV-16	---	---	---	---	>100	20.6	12.0	12.7	---	---	---	---
LF1GV-17	---	---	---	---	>100	12.0	18.8	5.0	---	---	---	---
LF1GV-18	---	---	---	---	>100	11.4	17.8	7.5	---	---	---	---
LF1GV-19	---	---	---	---	>100	8.7	18.5	4.7	---	---	---	---
LF1GV-20	---	---	---	---	>100	11.8	16.0	7.0	---	---	---	---
LF1GV-21	---	---	---	---	>100	34.5	15.1	9.1	---	---	---	---
LF1GV-22	---	---	---	---	>100	14.5	17.3	5.9	---	---	---	---
LF1GV-23	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-24	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-25	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-26	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-27	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-28	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-29	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-30	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-31	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI

Notes:
NI = Not Installed
--- = Not monitored
- = No Reading

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	8-Nov-04				11-Nov-04				16-Nov-04			
	Barometric Pressure (in.) =			29.60	Barometric Pressure (in.) =			29.79	Barometric Pressure (in.) =			29.83
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	---	---	---	---	>100	8.6	17.5	4.5	---	---	---	---
LF1GMP-02	---	---	---	---	>100	27.0	8.9	15.7	---	---	---	---
LF1GMP-03	---	---	---	---	>100	36.3	6.6	25.2	---	---	---	---
LF1GMP-04	>100	52.0	3.6	41.8	>100	52.0	2.8	36.7	---	---	---	---
LF1GMP-06	>100	64.3	3.2	6.6	>100	58.8	4.1	5.7	---	---	---	---
LF1GMP-08	---	---	---	---	0	0.0	0.3	13.2	---	---	---	---
LF1GMP-09	---	---	---	---	>100	39.4	5.3	16.1	---	---	---	---
LF1GMP-10	---	---	---	---	>100	26.0	1.3	21.0	---	---	---	---
LF1GMP-11	>100	40.0	0.0	35.2	>100	30.2	2.4	27.0	---	---	---	---
LF1GMP-12	0	0.0	18.2	3.5	0	0.0	18.8	3.4	---	---	---	---
LF1GMP-13	0	0.0	18.4	1.0	---	---	---	---	---	---	---	---
LF1GMP-14	0	0.0	18.6	0.9	---	---	---	---	---	---	---	---
LF1GMP-15	0	0.0	19.1	0.9	---	---	---	---	---	---	---	---
LF1GMP-16	0	0.0	17.1	3.3	---	---	---	---	---	---	---	---
LF1GMP-17	0	0.0	18.3	1.9	---	---	---	---	---	---	---	---
LF1GMP-18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GMP-19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GMP-20	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-01	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-02	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-03	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-04	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-05	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-06	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-07	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-08	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-09	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-10	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-11	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-12	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-13	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-14	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-15	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-16	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-17	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-18	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-19	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-20	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-21	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-22	---	---	---	---	---	---	---	---	---	---	---	---
LF1GV-23	NI	NI	NI	NI	NI	NI	NI	NI	>100	38.6	12.5	14.2
LF1GV-24	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-25	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-26	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-27	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-28	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-29	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-30	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-31	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI

Notes:
NI = Not Installed
--- = Not monitored
- = No Reading

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	16-Dec-04				17-Jan-05				17-Feb-05			
	Barometric Pressure (in.) =			29.73	Barometric Pressure (in.) =			29.77	Barometric Pressure (in.) =			29.34
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	98.4	1.6	0.0	>100	98.8	0.4	0.8	>100	99.8	0.2	0.0
LF1GMP-02	>100	52.1	0.0	25.2	>100	46.6	0.2	21.4	>100	40.2	0.2	22.4
LF1GMP-03	>100	54.1	0.0	37.1	>100	40.8	0.4	30.8	>100	30.2	0.2	31.0
LF1GMP-04	>100	34.2	4.7	21.5	>100	61.4	0.4	38.0	>100	60.4	0.5	39.1
LF1GMP-06	>100	77.6	0.0	3.9	>100	62.8	0.8	2.6	>100	69.0	0.5	2.7
LF1GMP-08	10	0.5	20.9	0.0	0	0.0	5.5	11.0	0	0.0	6.7	9.8
LF1GMP-09	>100	41.4	0.2	19.2	>100	38.6	1.7	14.9	>100	47.2	0.0	18.2
LF1GMP-10	>100	33.9	0.0	29.3	>100	26.4	0.2	21.8	>100	24.0	0.1	24.1
LF1GMP-11	>100	18.1	0.0	19.6	>100	8.8	0.3	17.2	>100	7.9	0.1	18.8
LF1GMP-12	4	0.2	18.7	2.5	0	0.0	19.3	1.7	0	0.0	19.0	1.8
LF1GMP-13	10	0.5	15.8	0.3	0	0.0	16.2	1.0	0	0.0	16.4	1.2
LF1GMP-14	4	0.2	17.3	0.4	0	0.0	18.1	0.2	0	0.0	18.6	0.2
LF1GMP-15	4	0.2	19.1	0.8	0	0.0	19.3	0.3	0	0.0	20.1	0.2
LF1GMP-16	0	0.0	17.6	2.6	0	0.0	17.6	2.2	0	0.0	17.7	2.3
LF1GMP-17	0	0.0	18.3	1.7	0	0.0	18.3	1.4	0	0.0	18.6	1.4
LF1GMP-18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GMP-19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GMP-20	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-01	>100	14.4	0.1	17.3	>100	9.4	12.7	9.0	62	3.1	14.4	6.5
LF1GV-02	>100	13.8	1.0	20.2	>100	9.0	10.5	12.0	56	2.8	10.3	9.2
LF1GV-03	50	2.5	3.6	11.3	10	0.5	18.6	1.6	2	0.1	15.8	3.3
LF1GV-04	>100	11.5	1.9	18.5	62	3.1	15.9	5.5	4	0.2	15.5	4.0
LF1GV-05	>100	20.4	0.0	23.0	>100	13.5	10.4	12.7	88	4.4	11.0	8.6
LF1GV-06	>100	16.8	0.0	23.3	>100	21.1	1.5	20.7	16	0.8	6.1	12.4
LF1GV-07	>100	19.0	0.1	24.4	>100	20.3	5.6	18.9	>100	9.9	10.9	12.9
LF1GV-08	>100	26.7	0.1	23.1	>100	21.2	3.5	18.6	64	3.2	5.8	12.7
LF1GV-09	>100	6.4	1.9	14.6	>100	20.1	4.2	14.9	64	3.2	14.9	5.8
LF1GV-10	>100	17.1	1.3	22.8	>100	16.5	5.6	18.6	48	2.4	10.7	9.3
LF1GV-11	>100	17.0	0.7	16.1	>100	14.6	10.3	10.7	46	2.3	16.6	3.3
LF1GV-12	>100	12.7	1.2	20.2	>100	18.4	2.6	18.3	12	0.6	12.1	6.6
LF1GV-13	>100	21.9	1.2	27.5	>100	16.9	1.4	20.4	>100	10.3	1.1	20.1
LF1GV-14	>100	27.4	1.1	19.3	>100	26.6	4.9	15.0	>100	11.3	12.1	8.4
LF1GV-15	>100	7.1	0.8	14.3	>100	9.5	6.4	10.9	24	1.2	13.9	5.2
LF1GV-16	68	3.4	5.2	8.2	80	4.0	8.9	7.1	0	0.0	16.6	3.0
LF1GV-17	>100	14.9	5.2	14.2	>100	25.1	6.1	12.5	>100	19.1	9.9	12.1
LF1GV-18	>100	29.0	0.8	22.6	>100	27.2	4.4	15.7	>100	16.1	7.4	12.9
LF1GV-19	>100	9.1	0.2	16.3	>100	12.6	6.1	12.5	46	2.3	11.4	7.9
LF1GV-20	>100	14.8	1.8	15.9	>100	12.5	5.5	11.7	72	3.6	13.8	4.6
LF1GV-21	>100	34.2	0.8	18.0	>100	37.6	1.9	14.0	>100	26.9	2.6	13.2
LF1GV-22	>100	23.6	1.1	19.4	>100	24.8	2.5	16.1	>100	16.2	6.2	14.1
LF1GV-23	16	0.8	15.9	2.1	2	0.1	20.2	0.4	2	0.1	17.8	1.6
LF1GV-24	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-25	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-26	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-27	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-28	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-29	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-30	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-31	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI

Notes:
NI = Not Installed
--- = Not monitored
- = No Reading

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	24-Mar-05				28-Apr-05				26-May-05			
	Barometric Pressure (in.) =			30.00	Barometric Pressure (in.) =			29.28	Barometric Pressure (in.) =			29.23
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	0	0.0	21.0	0.0	>100	52.1	4.2	26.8	>100	67.5	0.6	26.5
LF1GMP-02	>100	32.5	0.8	21.5	>100	24.8	6.2	17.7	>100	33.5	1.0	21.0
LF1GMP-03	>100	25.1	0.6	30.1	>100	27.2	0.5	30.3	>100	30.8	0.4	30.1
LF1GMP-04	>100	59.5	0.4	40.1	>100	57.5	0.5	36.7	>100	54.5	0.9	35.6
LF1GMP-06	>100	62.5	0.5	2.2	>100	65.5	0.8	2.5	>100	64.5	0.7	3.5
LF1GMP-08	0	0.0	11.6	6.6	0	0.0	4.7	11.4	0	0.0	11.2	7.5
LF1GMP-09	>100	44.3	0.8	17.0	>100	32.3	2.2	17.5	>100	38.9	0.8	19.2
LF1GMP-10	>100	18.4	0.2	22.4	>100	16.6	2.1	23.2	>100	17.3	1.6	24.3
LF1GMP-11	>100	5.9	1.0	19.0	>100	9.0	0.7	19.1	>100	6.6	0.7	20.1
LF1GMP-12	0	0.0	18.4	2.2	0	0.0	19.4	1.5	0	0.0	19.6	1.6
LF1GMP-13	0	0.0	15.7	1.5	0	0.0	16.6	1.9	0	0.0	18.9	1.5
LF1GMP-14	0	0.0	18.4	0.3	2	0.1	19.1	0.5	0	0.0	20.2	0.5
LF1GMP-15	0	0.0	20.0	0.0	2	0.1	19.5	0.4	2	0.1	19.8	0.4
LF1GMP-16	0	0.0	17.3	2.4	0	0.0	17.8	2.9	0	0.0	18.2	2.7
LF1GMP-17	0	0.0	18.7	1.3	0	0.0	18.7	1.5	0	0.0	18.4	1.8
LF1GMP-18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GMP-19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GMP-20	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-01	12	0.6	20.2	0.9	>100	6.6	14.2	9.9	>100	17.9	12.1	14.4
LF1GV-02	10	0.5	19.9	1.0	46	2.3	15.2	7.1	>100	24.1	9.6	17.4
LF1GV-03	0	0.0	21.0	0.0	2	0.1	21.0	0.0	>100	36.1	0.3	30.4
LF1GV-04	0	0.0	21.0	0.0	4	0.2	21.0	0.0	>100	26.6	5.1	23.6
LF1GV-05	4	0.2	20.8	0.3	>100	5.3	16.0	7.6	>100	28.2	6.2	23.9
LF1GV-06	0	0.0	21.2	0.0	16	0.8	13.5	7.2	>100	35.4	0.8	30.4
LF1GV-07	4	0.2	21.0	0.2	>100	5.0	16.9	7.1	>100	26.1	8.4	21.6
LF1GV-08	0	0.0	21.0	0.0	20	1.5	15.0	5.2	>100	37.0	1.8	26.4
LF1GV-09	0	0.0	21.1	0.0	>100	7.1	11.9	9.8	>100	35.2	4.2	23.9
LF1GV-10	0	0.0	21.1	0.0	0	0.0	20.4	0.9	>100	5.3	17.5	4.5
LF1GV-11	0	0.0	21.2	0.0	48	2.4	18.3	3.1	>100	5.8	17.9	3.6
LF1GV-12	0	0.0	21.2	0.0	6	0.3	17.3	3.6	>100	32.1	1.7	30.3
LF1GV-13	0	0.0	21.1	0.0	14	0.7	17.3	3.5	>100	25.9	2.7	23.5
LF1GV-14	0	0.0	21.3	0.0	14	0.7	20.1	0.6	>100	31.2	6.2	19.8
LF1GV-15	0	0.0	20.9	0.0	54	2.7	9.6	9.6	>100	17.4	5.8	17.5
LF1GV-16	0	0.0	19.5	0.9	0	0.0	20.9	0.0	50	2.5	2.7	14.6
LF1GV-17	80	4.0	18.8	2.2	46	2.3	19.5	1.4	>100	26.6	9.6	15.5
LF1GV-18	18	0.9	19.9	1.0	14	0.7	20.1	0.7	>100	22.1	9.7	15.4
LF1GV-19	4	0.2	18.9	1.5	0	0.0	21.0	0.0	>100	17.4	1.7	20.3
LF1GV-20	0	0.0	20.8	0.2	8	0.4	20.1	0.7	>100	8.2	13.5	7.1
LF1GV-21	46	2.3	19.7	0.9	70	3.5	19.0	1.7	>100	43.1	3.6	18.4
LF1GV-22	>100	5.1	18.2	3.0	36	1.8	19.5	1.3	>100	34.5	5.2	20.8
LF1GV-23	0	0.0	21.1	0.0	0	0.0	20.0	0.6	48	2.4	15.3	6.1
LF1GV-24	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-25	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-26	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-27	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-28	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-29	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-30	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-31	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI

Notes:
NI = Not Installed
--- = Not monitored
- = No Reading

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	23-Jun-05				2-Aug-05				29-Aug-05			
	Barometric Pressure (in.) =			29.61	Barometric Pressure (in.) =			29.55	Barometric Pressure (in.) =			29.50
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	74.4	0.9	24.2	>100	50.0	0.1	32.2	>100	100.0	0.0	0.0
LF1GMP-02	>100	34.8	1.1	27.5	>100	43.5	1.0	28.9	>100	47.6	0.5	30.0
LF1GMP-03	>100	37.0	1.1	40.4	>100	50.1	0.4	39.1	>100	60.3	0.1	39.6
LF1GMP-04	>100	52.1	1.7	44.2	>100	50.2	0.4	39.1	>100	60.3	0.3	39.4
LF1GMP-06	>100	63.1	1.2	4.4	>100	65.1	0.9	5.8	>100	76.2	0.1	7.0
LF1GMP-08	0	0.0	11.7	7.4	0	0.0	14.8	5.5	0	0.0	11.8	7.5
LF1GMP-09	>100	35.3	1.2	24.1	>100	39.8	0.8	24.4	>100	58.4	0.1	33.2
LF1GMP-10	>100	14.4	2.9	24.5	>100	13.5	3.4	22.5	>100	18.5	2.6	28.8
LF1GMP-11	>100	11.5	1.2	23.2	>100	9.6	1.1	22.0	>100	18.8	0.3	30.4
LF1GMP-12	0	0.0	18.8	2.2	0	0.0	19.4	1.7	0	0.0	18.8	2.0
LF1GMP-13	0	0.0	19.1	1.1	0	0.0	19.1	1.1	0	0.0	18.7	1.7
LF1GMP-14	0	0.0	19.9	0.5	0	0.0	19.6	0.6	0	0.0	19.0	1.2
LF1GMP-15	0	0.0	20.0	0.5	0	0.0	19.8	0.1	0	0.0	19.4	1.0
LF1GMP-16	0	0.0	17.8	2.8	0	0.0	17.7	3.2	0	0.0	17.2	3.0
LF1GMP-17	0	0.0	17.9	2.5	0	0.0	17.1	3.3	0	0.0	16.6	3.2
LF1GMP-18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GMP-19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GMP-20	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-01	>100	21.3	1.0	31.9	>100	27.8	4.7	29.4	>100	58.4	0.0	41.6
LF1GV-02	>100	21.3	1.2	30.0	>100	19.3	4.1	24.5	>100	59.7	0.0	40.3
LF1GV-03	>100	8.4	2.4	22.0	40	2.0	14.3	6.7	>100	50.2	0.0	46.4
LF1GV-04	>100	8.0	6.2	20.1	>100	10.0	13.4	9.5	>100	40.8	0.1	41.0
LF1GV-05	>100	22.1	1.0	31.4	>100	26.4	4.1	28.3	>100	58.6	0.0	41.4
LF1GV-06	>100	10.0	1.3	23.0	8	0.4	13.1	6.5	>100	62.2	0.0	37.8
LF1GV-07	>100	24.3	1.0	34.1	>100	24.1	5.8	25.1	>100	60.7	0.0	39.3
LF1GV-08	>100	15.1	1.1	23.6	>100	6.2	9.3	11.4	>100	55.4	0.0	40.8
LF1GV-09	>100	8.1	1.5	22.2	>100	11.1	14.8	9.1	>100	40.2	4.0	55.8
LF1GV-10	>100	15.7	3.8	23.8	>100	16.4	7.4	19.7	>100	59.5	0.0	40.5
LF1GV-11	>100	14.8	2.0	21.9	>100	7.0	16.5	5.4	>100	45.8	3.3	33.1
LF1GV-12	>100	8.6	1.5	22.4	50	2.5	7.4	3.8	>100	55.0	0.3	44.9
LF1GV-13	>100	20.6	1.0	26.2	>100	15.9	2.9	21.2	>100	52.1	0.0	41.2
LF1GV-14	>100	30.7	4.2	27.5	>100	16.9	12.3	13.1	>100	45.5	4.4	37.2
LF1GV-15	>100	16.0	6.6	20.2	>100	15.0	12.8	13.5	>100	46.1	4.9	38.3
LF1GV-16	18	0.9	6.7	13.5	60	3.0	14.9	5.3	>100	36.0	4.3	30.1
LF1GV-17	>100	32.5	5.3	26.2	>100	12.8	14.0	11.4	>100	42.9	3.9	33.5
LF1GV-18	>100	22.1	7.4	20.7	>100	22.3	9.0	17.5	>100	49.0	3.3	41.1
LF1GV-19	>100	12.3	2.8	22.3	>100	9.3	11.7	11.3	>100	36.8	6.1	30.7
LF1GV-20	>100	10.3	6.2	15.4	80	4.0	15.7	4.5	>100	26.5	4.2	23.3
LF1GV-21	>100	24.8	7.5	15.4	>100	11.3	14.2	5.3	>100	38.3	6.7	20.8
LF1GV-22	>100	27.8	0.9	25.8	>100	9.0	16.2	6.3	>100	46.8	3.1	32.2
LF1GV-23	42	2.1	14.9	6.2	0	0.0	20.2	0.1	>100	19.9	6.6	25.7
LF1GV-24	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-25	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-26	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-27	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-28	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-29	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-30	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-31	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI

Notes:
NI = Not Installed
--- = Not monitored
- = No Reading

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	7-Oct-05				15-Nov-05				28-Nov-05			
	Barometric Pressure (in.) =			29.87	Barometric Pressure (in.) =			30.13	Barometric Pressure (in.) =			30.06
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	12	0.6	20.5	0.3	>100	66.3	11.3	13.4	>100	20.4	16.9	5.9
LF1GMP-02	>100	48.4	0.4	26.2	>100	52.3	0.8	20.9	>100	55.4	0.5	25.1
LF1GMP-03	>100	52.3	0.0	42.9	>100	54.8	0.3	36.0	>100	41.2	5.5	28.9
LF1GMP-04	>100	49.7	0.7	45.9	>100	39.7	0.0	32.1	36	1.8	8.8	13.3
LF1GMP-06	>100	70.5	0.3	8.3	>100	73.9	0.0	5.9	>100	81.3	0.5	6.1
LF1GMP-08	0	0.0	6.0	10.0	>100	6.8	0.7	15.5	10	0.5	3.7	17.8
LF1GMP-09	>100	58.8	0.3	30.7	>100	44.8	0.1	19.0	>100	49.2	0.9	21.0
LF1GMP-10	>100	20.3	1.8	25.8	>100	27.4	0.8	24.6	>100	29.9	0.8	28.4
LF1GMP-11	54	2.7	0.4	21.8	4	0.2	0.1	13.8	4	0.2	12.8	6.0
LF1GMP-12	0	0.0	18.9	2.3	0	0.0	18.6	2.6	0	0.0	19.8	1.2
LF1GMP-13	0	0.0	17.3	1.9	0	0.0	10.8	4.0	0	0.0	19.7	1.2
LF1GMP-14	0	0.0	17.4	1.8	0	0.0	13.1	2.5	0	0.0	14.4	2.9
LF1GMP-15	0	0.0	19.3	0.8	0	0.0	18.7	0.7	0	0.0	19.0	0.8
LF1GMP-16	0	0.0	17.8	2.7	0	0.0	17.5	2.8	0	0.0	18.1	2.6
LF1GMP-17	0	0.0	17.5	2.7	0	0.0	18.0	2.3	0	0.0	18.5	2.1
LF1GMP-18	>100	9.1	5.0	5.0	0	0.0	19.6	0.3	0	0.0	20.8	0.0
LF1GMP-19	>100	7.9	3.7	22.7	90	4.5	0.8	11.0	64	3.2	1.4	10.5
LF1GMP-20	0	0.0	20.4	0.0	0	0.0	20.5	0.0	4	0.2	20.7	0.0
LF1GV-01	>100	38.6	3.8	34.3	>100	40.8	0.9	29.8	>100	16.7	1.5	20.0
LF1GV-02	>100	23.0	10.6	19.3	>100	38.0	0.1	28.1	>100	14.8	3.2	19.4
LF1GV-03	>100	8.2	16.8	6.4	>100	29.8	0.0	25.3	>100	10.0	1.2	16.8
LF1GV-04	8	0.4	20.5	0.2	>100	27.0	1.0	25.6	>100	17.1	1.2	21.4
LF1GV-05	>100	46.1	0.3	42.6	>100	38.9	0.0	29.0	>100	24.7	0.8	27.0
LF1GV-06	>100	56.5	0.2	39.2	>100	42.2	0.1	27.0	>100	27.1	0.8	26.6
LF1GV-07	>100	50.2	0.3	45.3	>100	42.2	0.7	30.0	>100	32.0	0.2	32.6
LF1GV-08	>100	49.6	0.6	33.2	>100	40.1	1.0	23.9	>100	33.5	2.0	23.0
LF1GV-09	>100	32.4	4.0	27.3	>100	33.6	0.8	22.4	>100	12.3	1.8	16.7
LF1GV-10	>100	49.3	0.3	44.7	>100	38.5	0.3	29.8	>100	25.5	0.5	29.0
LF1GV-11	>100	28.4	6.1	23.1	>100	34.2	1.2	22.4	>100	18.4	6.9	15.2
LF1GV-12	>100	16.0	13.4	12.3	>100	29.3	0.1	24.5	>100	15.1	0.5	21.5
LF1GV-13	>100	45.8	0.3	37.5	>100	30.9	0.3	25.9	>100	25.2	0.7	30.6
LF1GV-14	>100	34.6	6.2	25.1	>100	39.8	1.6	23.5	>100	23.4	6.6	16,7
LF1GV-15	>100	16.4	11.2	13.3	>100	18.7	5.5	14.9	14	0.7	20.3	0.4
LF1GV-16	>100	20.9	9.6	15.2	>100	17.9	0.3	16.8	0	0.0	20.8	0.0
LF1GV-17	>100	27.8	9.7	20.2	>100	37.4	3.5	19.0	>100	18.3	6.3	13.2
LF1GV-18	>100	37.7	5.3	27.9	>100	31.2	3.7	18.5	>100	24.5	3.7	18.3
LF1GV-19	>100	15.6	12.1	12.4	>100	24.8	2.8	17.0	0	0.0	20.7	0.1
LF1GV-20	>100	15.2	10.9	11.8	>100	24.8	4.3	15.7	0	0.0	20.7	0.1
LF1GV-21	>100	22.8	12.6	11.2	>100	39.7	2.6	16.0	>100	21.8	10.9	10.4
LF1GV-22	>100	28.4	5.6	19.9	>100	35.7	1.7	20.0	>100	14.5	12.6	9.3
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	>100	26.1	0.0	31.4	0	0.0	20.6	0.0	2	0.1	20.9	0.0
LF1GV-25	>100	30.8	36.0	0.3	>100	5.3	9.4	9.6	2	0.1	19.3	0.9
LF1GV-26	0	0.0	20.5	0.0	>100	13.1	2.3	19.3	22	1.1	14.8	5.5
LF1GV-27	>100	31.2	1.8	35.2	>100	22.0	2.4	22.8	10	0.5	13.1	4.8
LF1GV-28	>100	9.4	10.2	15.0	>100	5.3	16.9	1.4	36	1.8	8.9	13.1
LF1GV-29	>100	13.1	5.9	20.1	>100	13.0	0.3	19.5	10	0.5	13.1	4.8
LF1GV-30	>100	6.4	11.3	10.5	64	3.2	5.4	11.6	8	0.4	12.2	5.6
LF1GV-31	>100	21.3	0.4	26.7	0	0	20.6	9.0	10	0.5	18.3	17.5

Notes:
NI = Not Installed
--- = Not monitored
- = No Reading

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	9-Jan-06				30-Mar-06				11-Jul-06			
	Barometric Pressure (in.) =			29.79	Barometric Pressure (in.) =			30.22	Barometric Pressure (in.) =			30.01 - 30.12
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	98.0	0.0	2.0	>100	>100	0.2	31.2	>100	31.6	9.5	14.3
LF1GMP-02	>100	50.0	0.2	20.4	>100	45.0	0.4	19.2	14	0.7	18.5	0.4
LF1GMP-03	>100	42.2	2.5	30.1	>100	33.2	0.7	28.2	0	0.0	20.2	0.0
LF1GMP-04	>100	38.9	2.8	33.2	>100	26.4	3.4	24.4	>100	42.7	2.0	37.3
LF1GMP-06	>100	77.1	0.0	3.2	>100	61.3	0.0	1.6	>100	62.9	0.3	0.9
LF1GMP-08	>100	5.6	0.0	15.7	0	0.0	17.2	3.6	0	0.0	20.6	0.0
LF1GMP-09	>100	33.1	1.4	11.6	100	5.0	12.6	2.4	0	0.0	20.5	0.0
LF1GMP-10	>100	21.6	6.9	19.0	>100	24.7	0.0	23.4	0	0.0	20.9	0.0
LF1GMP-11	0	0.0	7.7	8.0	0	0.0	15.5	3.5	0	0.0	20.6	0.0
LF1GMP-12	0	0.0	19.4	2.0	0	0.0	19.7	1.1	0	0.0	20.4	0.1
LF1GMP-13	12	0.6	5.7	6.0	0	0.0	9.0	5.1	0	0.0	20.9	0.0
LF1GMP-14	0	0.0	14.1	2.1	0	0.0	18.0	1.3	0	0.0	19.2	0.4
LF1GMP-15	0	0.0	20.4	0.0	0	0.0	19.2	0.5	0	0.0	20.7	0.0
LF1GMP-16	0	0.0	17.6	2.6	0	0.0	19.0	1.9	0	0.0	19.9	0.3
LF1GMP-17	0	0.0	17.8	2.2	0	0.0	19.5	1.5	0	0.0	18.0	2.5
LF1GMP-18	0	0.0	20.6	0.0	0	0.0	20.8	0.0	0	0.0	20.9	0.0
LF1GMP-19	4	0.2	0.9	4.2	0	0.0	10.0	2.7	>100	7.0	9.5	10.0
LF1GMP-20	0	0.0	20.2	0.2	0	0.0	20.7	0.0	2	0.1	20.5	0.0
LF1GV-01	42	2.1	19.7	1.7	>100	6.5	17.3	5.2	2	1.1	17.3	4.0
LF1GV-02	2	0.1	20.7	0.0	>100	6.4	16.0	5.5	26	1.3	5.2	18.2
LF1GV-03	18	0.9	20.3	0.7	>100	20.2	3.0	20.9	20	1.0	13.7	5.6
LF1GV-04	>100	5.1	18.1	4.0	>100	13.8	8.7	14.0	0	0.0	19.0	1.0
LF1GV-05	0	0.0	20.6	0.0	>100	15.8	12.3	12.1	22	1.1	18.1	2.8
LF1GV-06	0	0.0	20.4	0.0	>100	14.2	9.6	14.4	28	1.4	8.8	10.1
LF1GV-07	88	4.4	18.8	2.9	>100	16.2	16.0	11.5	12	0.6	20.2	0.4
LF1GV-08	0	0.0	20.6	0.0	>100	21.4	9.4	14.5	36	1.8	18.1	2.3
LF1GV-09	26	1.3	19.8	1.1	>100	21.0	10.8	11.8	32	1.6	17.3	3.2
LF1GV-10	0	0.0	20.5	0.0	>100	15.7	9.3	15.0	0	0.0	20.7	0.1
LF1GV-11	56	2.8	19.0	2.1	>100	6.4	17.1	4.1	2	0.1	20.9	0.0
LF1GV-12	0	0.0	20.4	0.0	>100	12.2	10.4	12.6	0	0.0	20.4	0.0
LF1GV-13	0	0.0	20.3	0.0	>100	16.0	19.8	2.8	>100	7.8	1.6	20.0
LF1GV-14	50	2.5	19.3	1.5	>100	5.2	18.7	2.5	52	2.6	19.7	1.1
LF1GV-15	0	0.0	20.3	0.0	26	1.3	18.7	1.7	2	0.1	20.6	0.0
LF1GV-16	0	0.0	20.3	0.0	0	0.0	19.3	0.8	0	0.0	20.9	0.0
LF1GV-17	>100	12.6	16.2	5.7	>100	10.5	17.1	4.4	18	0.9	20.1	0.5
LF1GV-18	>100	12.3	15.6	6.1	74	3.7	18.5	2.2	8	0.4	20.4	0.2
LF1GV-19	4	0.2	20.3	0.2	44	2.2	18.6	1.8	0	0.0	20.9	0.0
LF1GV-20	0	0.0	20.1	0.3	>100	7.0	15.4	3.7	0	0.0	20.8	0.0
LF1GV-21	>100	9.1	17.5	3.1	>100	16.1	16.5	4.0	0	0.0	20.7	0.0
LF1GV-22	>100	10.5	15.3	9.5	94	4.7	19.1	2.0	12	0.6	19.9	0.4
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0.0	20.7	0.0	0	0.0	21.1	0.0	>100	8.5	16.7	3.9
LF1GV-25	0	0.0	20.6	0.0	0	0.0	20.1	0.5	12	0.6	19.6	0.2
LF1GV-26	0	0.0	20.6	0.0	6	0.3	19.3	0.8	4	0.2	20.2	0.0
LF1GV-27	>100	10.0	15.3	7.8	66	3.7	18.0	2.6	0	0.0	20.4	0.0
LF1GV-28	0	0.0	20.5	0.0	0	0.0	20.9	0.2	0	0.0	20.6	0.0
LF1GV-29	86	4.3	10.3	8.6	0	0.0	20.9	0.2	0	0.0	20.7	0.0
LF1GV-30	12	0.6	19.7	0.7	0	0.0	19.2	1.1	0	0.2	20.3	0.2
LF1GV-31	0	0	20.5	0	0	0	21.1	0	0	0.0	20.2	0.2

Notes:
NI = Not Installed
--- = Not monitored
- = No Reading

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	9-Oct-06				3-Jan-07				31-May-07			
	Barometric Pressure (in.) =			29.43 - 29.47	Barometric Pressure (in.) =			29.42 - 29.47	Barometric Pressure (in.) =			29.40 - 29.44
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	56	2.8	19.1	1.6	>100	51.5	3.2	21.4	>100	56.2	0.7	27.8
LF1GMP-02	>100	26.5	-	18.7	0	0.0	5.1	5.4	>100	27.2	0.6	20.7
LF1GMP-03	>100	49.6	-	33.8	>100	29.2	-	22.9	>100	37.5	0.4	31.9
LF1GMP-04	>100	57.3	-	40.0	>100	19.5	0.0	24.3	>100	60.0	0.4	32.6
LF1GMP-06	>100	73.1	-	8.6	>100	11.9	-	4.8	>100	59.4	0.5	5.8
LF1GMP-08	0	0.0	20.4	0.3	0	0.0	9.9	7.0	0	0.0	20.9	0.0
LF1GMP-09	>100	33.4	-	19.7	>100	6.4	1.8	6.7	>100	12.0	13.0	5.7
LF1GMP-10	>100	23.0	-	25.3	89	4.5	14.1	5.7	10	0.4	20.2	0.4
LF1GMP-11	0	0.0	21.0	0.1	0	0.0	20.7	0.2	0	0.0	20.9	0.0
LF1GMP-12	0	0.0	20.9	0.2	0	0.0	19.8	1.9	0	0.0	20.9	0.0
LF1GMP-13	0	0.0	1.3	11.6	0	0.0	18.9	1.4	0	0.0	20.9	0.0
LF1GMP-14	0	0.0	15.0	3.3	0	0.0	17.5	1.7	0	0.0	20.7	0.3
LF1GMP-15	0	0.0	20.1	0.6	0	0.0	20.4	0.4	0	0.0	20.9	0.0
LF1GMP-16	0	0.0	20.5	0.5	0	0.0	18.0	2.4	0	0.0	19.2	1.7
LF1GMP-17	0	0.0	18.0	2.9	0	0.0	18.6	2.0	0	0.0	18.9	1.6
LF1GMP-18	0	0.0	17.4	2.8	0	0.0	20.9	0.2	0	0.0	6.8	4.8
LF1GMP-19	46	2.3	12.1	6.0	0	0.0	4.2	1.6	0	0.0	12.0	3.8
LF1GMP-20	2	0.1	20.8	0.1	0	0.0	20.9	0.1	0	0.0	20.6	0.0
LF1GV-01	70	3.5	20.0	3.4	2	0.1	20.9	0.2	>100	14.8	14.2	12.4
LF1GV-02	>100	7.7	17.6	6.3	0	0.0	20.8	0.2	>100	15.4	13.8	11.6
LF1GV-03	>100	11.3	15.8	9.2	0	0.0	21.0	0.1	>100	11.0	15.4	8.4
LF1GV-04	>100	6.7	17.6	5.7	0	0.0	20.9	0.1	42	2.1	20.0	1.2
LF1GV-05	>100	5.2	18.7	4.6	9	0.5	20.8	0.2	>100	30.5	6.9	25.2
LF1GV-06	>100	24.4	6.8	19.8	0	0.0	20.9	0.0	84	4.2	18.6	2.8
LF1GV-07	>100	11.5	16.2	9.8	39	2.0	19.8	1.7	>100	18.6	13.6	13.9
LF1GV-08	>100	14.0	15.3	9.0	>100	6.9	17.0	4.8	26	1.3	20.8	0.3
LF1GV-09	>100	9.9	16.7	6.9	39	2.0	19.2	1.7	20	1.0	20.8	0.2
LF1GV-10	>100	20.3	11.9	18.4	0	0.0	20.9	0.1	>100	7.1	7.2	5.5
LF1GV-11	>100	5.0	18.3	4.1	34	1.7	19.6	1.1	22	1.1	20.8	0.3
LF1GV-12	0	0.0	20.7	0.1	>100	5.4	16.0	4.5	>100	5.9	18.0	4.6
LF1GV-13	>100	16.5	11.5	14.4	0	0.0	20.8	0.1	>100	27.1	2.2	23.1
LF1GV-14	>100	6.6	17.8	5.1	20	1.0	20.0	0.6	96	4.8	1.8	19.4
LF1GV-15	4	0.2	20.7	0.3	13	0.7	19.9	1.0	46	2.3	19.4	1.6
LF1GV-16	61	3.1	18.6	2.4	9	0.4	18.2	1.8	0	0.0	21.0	0.0
LF1GV-17	20	1.0	20.1	1.1	>100	6.0	16.7	3.6	>100	7.6	18.2	3.5
LF1GV-18	84	4.2	19.0	3.0	53	2.7	17.9	2.2	42	2.1	20.2	0.8
LF1GV-19	7	0.3	20.5	0.5	25	1.3	18.8	1.5	6	0.3	20.8	0.0
LF1GV-20	80	4.0	18.1	2.8	40	2.0	18.7	1.7	50	2.5	18.8	1.8
LF1GV-21	>100	17.8	14.4	5.9	>100	6.7	17.3	2.6	>100	10.0	18.0	2.2
LF1GV-22	83	4.1	18.7	2.9	50	2.6	18.8	1.9	>100	8.9	18.0	3.0
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0.0	20.9	0.2	0	0.0	20.9	0.1	8	0.4	1.1	16.7
LF1GV-25	12	0.6	20.5	1.1	31	1.6	15.0	3.6	14	0.7	17.4	2.5
LF1GV-26	>100	15.6	13.7	8.7	0	0.0	20.9	0.1	0	0.0	20.7	0.0
LF1GV-27	>100	33.4	1.7	27.2	0	0.0	20.9	0.1	0	0.0	20.9	0.0
LF1GV-28	0	0.0	21.0	0.1	0	0.0	20.9	0.1	0	0.0	20.9	0.0
LF1GV-29	>100	13.8	11.4	11.2	0	0.0	20.9	0.1	0	0.0	21.1	0.0
LF1GV-30	0	0.0	21.1	0.0	0	0.0	20.9	0.1	0	0.0	19.4	0.9
LF1GV-31	0	0.0	20.9	0.1	0	0.0	20.9	0.1	1	0.1	12.9	5.6

Notes:
NI = Not Installed
--- = Not monitored
- = No Reading

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	30-Jul-07				6-Oct-07				23-Jan-08			
	Barometric Pressure (in.) =			29.38 - 29.46	Barometric Pressure (in.) =			30.19	Barometric Pressure (in.) =			29.37-29.53
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	18	0.8	19.4	1.4	>100	99.9	0.2	0.0	>100	81.0	0.9	27.3
LF1GMP-02	0	0.0	20.0	0.4	>100	29.4	0.2	17.9	0	0.0	21.2	0.0
LF1GMP-03	>100	34.3	0.4	31.0	>100	49.9	0.1	39.3	>100	34.8	0.0	29.2
LF1GMP-04	>100	50.7	0.1	39.1	>100	51.7	0.2	47.4	0	0.0	20.0	0.2
LF1GMP-06	>100	74.2	0.2	7.4	>100	65.9	0.3	10.3	>100	45.7	0.0	4.0
LF1GMP-08	0	0.0	20.9	0.0	0	0.0	16.4	3.0	0	0.0	19.0	2.2
LF1GMP-09	>100	16.0	2.1	12.4	>100	41.5	0.3	23.8	0	0.0	20.6	0.1
LF1GMP-10	>100	7.2	1.4	16.7	>100	14.5	0.1	23.0	>100	20.0	0.2	21.7
LF1GMP-11	0	0.0	17.7	2.2	0	0.0	17.7	2.7	0	0.0	21.3	0.1
LF1GMP-12	0	0.0	20.8	0.3	0	0.0	20.8	0.0	0	0.0	19.6	2.1
LF1GMP-13	0	0.0	15.0	4.2	0	0.0	12.5	5.3	0	0.0	17.1	2.3
LF1GMP-14	0	0.0	19.4	1.3	0	0.0	18.8	1.3	0	0.0	19.5	0.8
LF1GMP-15	0	0.0	20.1	0.5	0	0.0	19.6	1.0	0	0.0	20.4	0.6
LF1GMP-16	0	0.0	20.2	0.3	0	0.0	18.8	2.3	3	0.2	19.2	2.2
LF1GMP-17	0	0.0	18.0	2.8	0	0.0	18.9	2.3	1	0.1	19.3	2.0
LF1GMP-18	0	0.0	13.2	6.5	4	0.2	14.3	6.0	0	0.0	21.3	0.1
LF1GMP-19	0	0.0	20.4	0.3	0	0.0	19.1	1.7	4	0.2	17.7	2.5
LF1GMP-20	0	0.0	21.0	0.0	0	0.0	20.8	0.0	4	0.2	21.0	0.1
LF1GV-01	>100	6.9	17.1	5.9	>100	21.7	10.4	20.7	0	0.0	21.3	0.1
LF1GV-02	>100	25.5	7.1	22.8	>100	34.1	4.5	31.2	0	0.0	21.0	0.0
LF1GV-03	>100	25.7	2.8	26.5	>100	35.3	0.1	36.0	0	0.0	21.2	0.0
LF1GV-04	>100	7.3	12.1	11.4	>100	27.6	1.8	31.3	0	0.0	20.5	0.1
LF1GV-05	>100	31.1	4.5	29.4	>100	38.8	5.5	31.0	0	0.0	19.4	0.1
LF1GV-06	>100	20.0	2.8	22.7	>100	40.8	0.1	35.1	0	0.0	21.4	0.0
LF1GV-07	>100	24.0	10.2	18.2	>100	33.0	5.7	30.2	12	0.8	20.5	1.2
LF1GV-08	>100	16.8	10.9	13.1	>100	20.4	10.7	14.0	24	1.2	19.4	1.1
LF1GV-09	76	3.8	18.6	3.1	>100	25.6	8.2	20.9	2	0.1	20.0	0.4
LF1GV-10	>100	5.8	17.2	5.2	>100	17.5	12.5	15.4	9	0.5	17.8	2.9
LF1GV-11	>100	5.5	18.0	3.8	>100	9.4	15.2	7.2	1	0.1	20.3	0.2
LF1GV-12	>100	6.0	15.4	6.7	>100	30.1	3.2	29.7	7	0.4	19.6	0.8
LF1GV-13	>100	25.3	0.5	25.5	>100	31.9	0.9	31.7	14	0.8	18.9	2.3
LF1GV-14	>100	6.2	18.4	3.6	>100	20.1	10.6	16.4	4	0.2	20.3	0.4
LF1GV-15	>100	10.4	14.9	8.0	>100	11.6	13.7	9.7	0	0.0	20.4	0.2
LF1GV-16	46	2.3	9.9	9.8	>100	14.7	7.1	14.2	0	0.0	20.5	0.1
LF1GV-17	>100	14.2	14.8	9.0	>100	5.8	18.3	3.7	2	0.1	20.8	0.2
LF1GV-18	>100	7.7	19.4	4.9	>100	14.5	15.3	9.1	0	0.0	20.6	0.3
LF1GV-19	>100	7.0	16.0	5.4	>100	12.8	12.9	9.2	0	0.0	20.8	0.2
LF1GV-20	>100	7.3	12.6	6.8	>100	10.9	11.4	8.3	0	0.0	20.7	0.2
LF1GV-21	>100	12.0	16.5	4.3	>100	17.6	6.8	14.4	17	0.9	20.2	0.6
LF1GV-22	>100	15.2	14.2	8.6	>100	6.6	17.1	4.4	13	0.7	20.2	1.0
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	>100	9.3	6.2	17.5	>100	14.4	2.2	22.4	0	0.0	21.2	0.0
LF1GV-25	2	0.1	20.5	0.2	>100	12.5	11.8	13.4	0	0.0	20.2	0.1
LF1GV-26	0	0.0	20.9	0.0	>100	7.2	15.3	12.9	1	0.1	19.0	1.6
LF1GV-27	0	0.0	21.0	0.0	>100	13.1	11.0	16.8	0	0.0	20.1	0.1
LF1GV-28	0	0.0	21.2	0.0	40	2.0	14.6	5.5	0	0.0	21.3	0.1
LF1GV-29	0	0.0	21.0	0.0	0	0.0	21.0	0.0	0	0.0	20.3	1.0
LF1GV-30	0	0.0	20.9	0.1	2	1.0	20.8	0.0	0	0.0	20.9	0.3
LF1GV-31	0	0.0	21.0	0.0	>100	7.7	1.7	19	0	0.0	21.3	0.1

Notes:
NI = Not Installed
--- = Not monitored
- = No Reading

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	17-Apr-08				1-Jul-08				17-Nov-08			
	Barometric Pressure (in.) =			30.01-30.20	Barometric Pressure (in.) =			29.29 - 29.40	Barometric Pressure (in.) =			29.38-29.41
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	36.1	1.8	21.8	>100	10.6	11.7	8.9	2	0.1	21.3	0.1
LF1GMP-02	>100	7.2	0.3	14.4	34	1.8	6.6	5.1	0	0.0	21.4	0.0
LF1GMP-03	>100	17.9	0.3	21.6	>100	30.0	0.2	27.8	>100	5.9	18.0	4.3
LF1GMP-04	>100	15.7	5.4	17.5	>100	28.4	0.0	32.9	0	0.0	21.6	0.0
LF1GMP-06	>100	21.3	0.7	4.4	>100	24.2	0.9	7.7	0	0.0	21.7	0.1
LF1GMP-08	0	0.0	15.6	2.4	0	0.0	16.9	3.7	1	0.0	21.6	0.1
LF1GMP-09	>100	10.0	1.2	7.7	>100	20.9	0.4	16.0	1	0.0	21.5	0.0
LF1GMP-10	>100	8.4	1.2	13.3	80	3.9	15.1	4.0	0	0.0	21.0	0.0
LF1GMP-11	0	0.0	18.9	0.4	0	0.0	17.4	3.8	0	0.0	21.7	0.1
LF1GMP-12	0	0.0	18.8	0.9	0	0.0	20.6	1.7	0	0.0	19.6	2.8
LF1GMP-13	0	0.0	21.0	0.3	0	0.1	19.1	1.8	2	0.1	21.4	0.1
LF1GMP-14	0	0.0	20.2	0.2	0	0.0	21.2	0.3	2	0.1	19.7	0.6
LF1GMP-15	0	0.0	18.0	0.8	0	0.0	21.1	0.3	1	0.0	21.6	0.1
LF1GMP-16	0	0.0	19.1	1.4	4	0.3	19.9	2.1	0	0.0	21.2	0.1
LF1GMP-17	0	0.0	19.4	1.4	5	0.3	19.3	2.1	0	0.0	19.5	1.6
LF1GMP-18	0	0.0	20.2	0.0	0	0.0	6.1	11.6	0	0.0	21.6	0.0
LF1GMP-19	4	0.2	18.0	0.8	0	0.0	17.5	2.9	0	0.0	21.6	0.1
LF1GMP-20	2	0.1	20.0	0.0	0	0.0	21.9	0.7	0	0.0	21.7	0.0
LF1GV-01	>100	9.4	12.8	9.1	>100	6.4	13.1	17.1	0	0.0	21.3	0.1
LF1GV-02	>100	17.1	4.6	17.4	90	4.5	12.9	13.0	2	0.1	21.3	0.1
LF1GV-03	>100	22.7	0.4	23.6	>100	9.2	2.9	23.0	2	0.1	21.3	0.1
LF1GV-04	>100	17.7	4.3	19.7	0	0.0	21.2	0.0	3	0.1	21.3	0.1
LF1GV-05	>100	14.8	10.8	13.1	>100	17.3	1.1	31.3	0	0.0	20.9	0.0
LF1GV-06	>100	21.2	0.4	24.4	0	0.0	21.2	0.1	0	0.0	20.2	0.1
LF1GV-07	>100	10.5	13.8	9.2	>100	8.0	13.0	12.0	0	0.0	20.7	0.1
LF1GV-08	>100	20.8	9.3	12.7	63	3.2	18.6	4.0	0	0.0	20.5	0.1
LF1GV-09	>100	14.7	11.3	10.4	0	0.0	20.6	2.2	0	0.0	20.3	0.1
LF1GV-10	>100	11.2	9.9	11.5	18	0.9	15.9	6.2	0	0.0	21.2	0.0
LF1GV-11	>100	13.2	11.2	9.6	55	2.7	16.5	5.5	0	0.0	21.3	0.0
LF1GV-12	>100	15.6	7.1	14.9	0	0.0	21.4	0.1	0	0.0	21.3	0.0
LF1GV-13	>100	17.4	0.1	20.4	90	4.5	2.0	21.8	0	0.0	21.3	0.1
LF1GV-14	>100	13.5	11.0	9.5	47	2.4	18.8	3.8	0	0.0	21.4	0.1
LF1GV-15	76	3.8	14.2	5.1	47	2.4	14.4	6.5	0	0.0	21.4	0.1
LF1GV-16	4.0	0.2	17.3	1.6	0.0	0.0	20.6	1.1	0.0	0.0	21.3	0.1
LF1GV-17	>100	13.9	13.1	8.0	53	2.7	18.2	3.8	2	0.1	21.2	0.0
LF1GV-18	>100	8.4	14.5	5.7	23	1.1	19.8	2.7	0	0.0	21.3	0.0
LF1GV-19	>100	11.5	7.7	9.8	12	0.7	19.0	2.4	2	0.1	21.3	0.1
LF1GV-20	82	4.1	16.8	2.8	5	0.3	18.6	2.4	0	0.0	21.3	0.0
LF1GV-21	>100	16.4	12.4	6.4	65	3.4	18.0	3.8	0	0.0	21.3	0.0
LF1GV-22	>100	11.2	12.7	7.4	69	3.5	15.7	6.0	2	0.1	21.2	0.1
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	2	0.1	16.7	1.8	17	0.9	14.8	20.1	0	0.0	21.0	0.0
LF1GV-25	6	0.3	16.5	2.1	0	0.0	21.3	1.0	0	0.0	18.6	2.7
LF1GV-26	2	0.1	20.7	0.0	0	0.0	21.4	0.7	0	0.0	21.1	0.1
LF1GV-27	16	0.8	18.9	1.1	0	0.0	21.2	1.2	11	0.6	21.0	1.1
LF1GV-28	0	0.0	20.7	0.1	0	0.0	21.6	0.8	0	0.0	21.0	0.0
LF1GV-29	2	0.1	18.4	0.9	0	0.0	19.1	2.1	0	0.0	20.9	0.2
LF1GV-30	0	0.0	19.7	0.0	0	0.0	20.6	1.8	0	0.0	20.9	0.1
LF1GV-31	0	0.0	19.8	0.1	0	0.0	21.0	0.9	0	0.0	21.1	0.0

Notes:
NI = Not Installed
--- = Not monitored
- = No Reading

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	20-Jan-09				24-Apr-09				9-Jul-09			
	Barometric Pressure (in.) =			28.95-29.88	Barometric Pressure (in.) =			29.51-29.58	Barometric Pressure (in.) =			29.56-29.66
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	59.0	1.9	20.3	>100	7.6	13.2	5.8	>100	26.8	4.1	17.9
LF1GMP-02	91	4.5	1.7	10.2	0	0.0	20.7	0.2	34	1.7	6.4	3.7
LF1GMP-03	>100	38.2	1.7	26.6	>100	14.5	7.7	11.9	>100	24.8	6.8	19.5
LF1GMP-04	0	0.0	21.3	0.1	12	0.6	18.8	1.0	>100	10.3	5.8	15.9
LF1GMP-06	0	0.0	20.3	0.2	0	0.0	20.1	0.1	94	4.7	6.4	3.3
LF1GMP-08	0	0.0	21.3	0.2	0	0.0	20.8	0.1	0	0.0	18.0	2.3
LF1GMP-09	>100	8.6	11.9	5.3	23	1.1	17.6	0.2	>100	15.5	0.3	10.2
LF1GMP-10	>100	14.4	1.3	20.1	62	3.1	12.2	3.6	0	0.0	20.7	0.0
LF1GMP-11	0	0.0	21.4	0.1	0	0.0	19.6	0.7	0	0.0	17.2	1.5
LF1GMP-12	0	0.0	20.3	0.2	0	0.0	20.0	1.1	0	0.0	19.9	0.0
LF1GMP-13	0	0.0	19.5	1.5	0	0.0	19.7	0.4	0	0.0	19.4	0.9
LF1GMP-14	0	0.0	20.7	0.9	0	0.0	20.9	0.0	0	0.0	19.2	1.2
LF1GMP-15	0	0.0	21.7	0.3	0	0.0	20.2	0.3	0	0.0	17.7	1.6
LF1GMP-16	0	0.0	18.3	2.2	0	0.0	20.1	1.4	0	0.0	18.7	1.7
LF1GMP-17	1	0.1	20.0	0.3	0	0.0	20.0	1.7	0	0.0	18.1	2.3
LF1GMP-18	13	0.6	20.8	0.6	0	0.0	21.0	0.0	0	0.0	19.4	0.3
LF1GMP-19	0	0.0	21.1	0.1	0	0.0	19.5	1.1	0	0.0	19.6	5.6
LF1GMP-20	0	0.0	21.1	0.1	0	0.0	20.9	0.0	0	0.0	19.5	0.0
LF1GV-01	8	0.4	21.0	0.8	2	0.1	20.0	0.5	0	0.0	20.2	0.1
LF1GV-02	8	0.4	20.6	1.1	2	0.1	19.8	1.2	0	0.0	19.7	0.1
LF1GV-03	8	0.4	20.6	0.9	14	0.7	14.9	4.6	1	0.0	17.5	1.3
LF1GV-04	14	0.7	20.0	1.4	2	0.1	19.4	1.4	2	0.1	16.5	2.9
LF1GV-05	0	0.0	21.0	0.0	36	1.7	14.6	5.2	0	0.0	20.5	0.0
LF1GV-06	0	0.0	21.0	0.1	9	0.4	17.0	6.8	1	0.0	15.3	3.0
LF1GV-07	0	0.0	21.4	0.1	15	0.8	18.8	2.1	0	0.0	20.4	0.0
LF1GV-08	0	0.0	20.8	0.0	38	1.9	18.9	1.5	11	0.6	18.7	1.9
LF1GV-09	0	0.0	21.0	0.1	10	0.5	18.6	1.8	1	0.0	18.3	1.6
LF1GV-10	0	0.0	21.2	0.1	5	0.2	18.7	1.7	0	0.0	19.1	0.5
LF1GV-11	0	0.0	21.1	0.1	34	1.7	19.6	1.2	1	0.1	19.6	0.8
LF1GV-12	0	0.0	21.0	0.1	8	0.4	19.0	1.5	0	0.0	20.6	0.0
LF1GV-13	0	0.0	20.3	0.2	>100	7.4	15.6	2.6	44	2.3	12.5	4.7
LF1GV-14	0	0.0	21.1	0.1	27	1.4	19.7	1.0	8	0.4	18.6	1.9
LF1GV-15	0	0.0	21.1	0.1	8	0.4	19.3	1.0	0	0.0	20.3	0.0
LF1GV-16	0.0	0.0	22.0	0.1	0.0	0.0	19.5	0.6	0	0.0	20.5	0.0
LF1GV-17	0	0.0	20.5	0.2	11	0.5	20.2	0.4	0	0.0	20.4	0.0
LF1GV-18	0	0.0	20.5	0.2	11	0.5	17.9	1.9	0	0.0	20.4	0.0
LF1GV-19	0	0.0	21.0	0.3	38	1.9	13.4	4.6	0	0.0	20.3	0.0
LF1GV-20	0	0.0	21.2	0.2	67	3.3	14.5	3.0	0	0.0	20.4	0.0
LF1GV-21	0	0.0	20.3	0.2	64	3.2	17.0	2.5	0	0.0	19.7	0.2
LF1GV-22	0	0.0	20.4	0.2	>100	5.7	5.2	13.7	0	0.0	19.7	0.4
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	12	0.6	21.0	0.6	0	0.0	20.7	0.2	3	0.1	19.0	0.8
LF1GV-25	8	0.4	21.1	0.5	0	0.0	20.0	0.7	0	0.0	19.4	0.0
LF1GV-26	0	0.0	21.2	0.0	0	0.0	21.0	0.0	0	0.0	19.4	0.0
LF1GV-27	0	0.0	21.4	0.1	1	0.0	20.3	0.1	0	0.0	19.2	0.0
LF1GV-28	0	0.0	21.4	0.1	0	0.0	20.8	0.0	0	0.0	19.6	0.0
LF1GV-29	0	0.0	21.4	0.1	0	0.0	19.3	1.2	0	0.0	19.3	0.0
LF1GV-30	0	0.0	21.4	0.1	0	0.0	21.1	0.0	0	0.0	18.8	0.5
LF1GV-31	0	0.0	21.4	0.1	0	0.0	20.9	0.0	0	0.0	6.4	3.1

Notes:
NI = Not Installed
--- = Not monitored
- = No Reading

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	20-Oct-09				1-Feb-10				5-May-10			
	Barometric Pressure (in.) =			29.50-29.61	Barometric Pressure (in.) =			29.45-29.50	Barometric Pressure (in.) =			29.04-29.23
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	28.5	5.9	17.8	>100	45.5	2.1	20.6	>100	32.4	2.5	18.8
LF1GMP-02	0	0.0	20.8	0.1	0	0.0	14.4	2.1	>100	8.1	0.0	12.8
LF1GMP-03	>100	14.8	10.2	10.7	>100	5.7	8.1	8.1	>100	18.2	0.0	22.1
LF1GMP-04	>100	55.6	0.0	43.4	10	0.5	14.3	4.5	>100	17.6	0.0	24.2
LF1GMP-06	>100	84.0	0.0	6.7	>100	70.8	0.0	4.3	>100	44.8	0.0	6.3
LF1GMP-08	0	0.0	19.9	0.6	0	0.0	20.5	1.1	0	0.0	16.3	2.5
LF1GMP-09	>100	45.0	0.0	21.3	47	2.4	7.7	4.0	>100	11.2	0.0	12.5
LF1GMP-10	>100	6.1	11.8	5.8	>100	9.0	6.8	10.7	>100	10.2	0.5	15.1
LF1GMP-11	0	0.0	2.0	0.2	0	0.0	23.8	0.1	0	0.0	16.1	2.3
LF1GMP-12	0	0.0	20.8	2.0	0	0.0	21.4	1.5	0	0.0	18.5	1.5
LF1GMP-13	0	0.0	19.4	0.0	0	0.0	18.1	1.3	0	0.0	15.1	2.2
LF1GMP-14	0	0.0	20.9	0.9	0	0.0	21.6	0.6	0	0.0	19.0	0.5
LF1GMP-15	0	0.0	19.0	0.6	0	0.0	22.3	0.1	0	0.0	19.2	0.5
LF1GMP-16	0	0.0	20.0	1.3	0	0.0	19.9	1.5	0	0.0	19.1	1.6
LF1GMP-17	0	0.0	19.3	0.2	0	0.0	19.6	1.5	0	0.0	19.4	1.5
LF1GMP-18	0	0.0	20.4	1.1	0	0.0	22.0	0.1	0	0.0	19.6	0.2
LF1GMP-19	0	0.0	19.9	9.0	0	0.0	22.0	0.3	0	0.0	18.6	0.7
LF1GMP-20	0	0.0	3.4	0.0	2	0.1	22.7	0.1	0	0.0	19.6	0.0
LF1GV-01	25	1.2	21.1	1.2	0	0.0	22.1	0.2	>100	8.0	13.6	8.1
LF1GV-02	>100	11.3	19.9	14.0	2	0.1	21.3	0.5	>100	7.6	12.5	9.8
LF1GV-03	58	2.9	15.2	5.2	3	0.1	21.0	0.7	>100	5.4	14.0	6.8
LF1GV-04	19	1.0	19.0	1.9	0	0.0	22.0	0.3	>100	15.2	0.3	20.9
LF1GV-05	>100	5.1	19.1	3.5	>100	6.1	19.5	8.8	>100	5.7	14.8	6.7
LF1GV-06	>100	8.8	7.6	14.8	>100	7.4	2.9	17.1	>100	8.2	6.8	12.2
LF1GV-07	0	0.0	20.9	0.0	>100	6.6	14.6	7.3	3	0.1	20.9	0.1
LF1GV-08	0	0.0	20.8	0.0	>100	6.5	17.0	4.8	13	0.6	20.6	0.5
LF1GV-09	20	1.0	20.0	1.0	47	2.3	19.2	2.1	16	0.8	20.6	0.7
LF1GV-10	0	0.0	20.9	0.0	>100	5.0	8.4	11.8	2	0.1	20.7	0.2
LF1GV-11	0	0.0	20.8	0.1	79	3.9	18.4	3.1	3	0.1	20.8	0.2
LF1GV-12	0	0.0	20.8	0.2	60	3.0	16.9	4.2	3	0.2	20.6	0.3
LF1GV-13	11	0.5	18.9	1.9	>100	20.4	0.4	22.5	2	0.1	20.3	0.9
LF1GV-14	0	0.0	20.9	0.1	>100	5.0	17.5	3.9	46	2.3	19.7	1.3
LF1GV-15	0	0.0	21.0	0.0	24	1.2	17.9	2.8	5	0.2	20.6	0.4
LF1GV-16	0	0.0	21.0	0.0	6	0.3	18.3	1.9	0	0.0	20.9	0.0
LF1GV-17	7	0.3	20.8	0.3	31	1.5	21.1	1.3	37	1.7	19.9	1.4
LF1GV-18	0	0.0	20.9	0.1	22	1.1	20.6	1.4	21	1.0	20.0	0.9
LF1GV-19	0	0.0	21.0	0.1	52	2.5	17.5	3.3	8	0.3	20.5	0.5
LF1GV-20	0	0.0	21.1	0.0	58	2.9	18.7	1.9	28	1.4	20.1	0.6
LF1GV-21	22	1.1	20.1	0.7	>100	5.9	18.9	2.4	76	3.8	19.6	1.1
LF1GV-22	4	0.2	21.0	0.1	>100	7.3	16.0	5.5	12	0.6	20.6	0.5
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0.0	13.7	4.5	0	0.0	22.3	0.1	0	0.0	14.9	1.9
LF1GV-25	3	0.1	20.5	0.3	0	0.0	22.2	0.1	0	0.0	16.1	2.8
LF1GV-26	77	3.9	19.9	3.2	0	0.0	22.1	0.2	0	0.0	19.8	0.1
LF1GV-27	>100	9.2	14.1	6.9	0	0.0	21.8	0.1	0	0.0	19.6	0.2
LF1GV-28	8	0.4	20.7	0.4	0	0.0	22.0	0.1	0	0.0	17.7	1.4
LF1GV-29	0	0.0	21.1	0.0	0	0.0	19.6	1.6	0	0.0	19.9	0.1
LF1GV-30	0	0.0	21.1	0.0	0	0.0	21.9	0.1	0	0.0	19.6	0.3
LF1GV-31	0	0.0	20.6	0.4	0	0.0	21.8	0.1	0	0.0	14.2	4.1

Notes:
NI = Not Installed
--- = Not monitored
- = No Reading

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	31-Aug-10				26-Oct-10				12-May-11			
	Barometric Pressure (in.) =			29.40-29.29	Barometric Pressure (in.) =			29.13-29.20	Barometric Pressure (in.) =			29.41-29.21
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	52.5	0.9	24.6	>100	48.4	2.4	24.7	>100	36.9	0.8	22.2
LF1GMP-02	>100	28.6	0.1	18.1	26	1.3	7.9	3.6	>100	11.7	2.6	12.9
LF1GMP-03	>100	43.7	0.1	34.6	>100	46.1	0.8	34.0	>100	25.9	0.0	25.4
LF1GMP-04	>100	53.8	0.1	40.9	>100	24.8	8.6	20.4	>100	32.7	0.0	27.4
LF1GMP-06	>100	79.5	0.3	8.9	>100	24.2	12.9	3.5	>100	70.1	0.0	3.5
LF1GMP-08	0	0.0	7.4	8.4	0	0.0	18.8	0.8	0	0.0	14.4	3.4
LF1GMP-09	>100	45.7	0.3	22.9	60	3.0	17.5	1.8	>100	20.5	1.1	7.6
LF1GMP-10	>100	18.1	0.3	21.6	0	0.0	18.8	0.5	>100	11.2	0.6	15.9
LF1GMP-11	0	0.0	15.2	3.3	0	0.0	20.1	0.4	0	0.0	17.1	1.1
LF1GMP-12	0	0.0	17.9	2.3	0	0.0	19.9	0.7	0	0.0	19.1	0.5
LF1GMP-13	0	0.0	7.4	7.1	0	0.0	19.1	0.4	0	0.0	13.5	1.7
LF1GMP-14	0	0.0	15.6	2.0	0	0.0	18.9	0.4	0	0.0	18.4	0.4
LF1GMP-15	0	0.0	18.6	1.3	0	0.0	18.6	0.8	0	0.0	18.8	1.3
LF1GMP-16	0	0.0	17.7	2.5	0	0.0	18.7	1.7	0	0.0	18.7	1.4
LF1GMP-17	0	0.0	17.5	2.5	1	0.1	19.7	0.8	0	0.0	18.4	1.4
LF1GMP-18	0	0.0	17.5	2.4	0	0.0	19.6	1.0	0	0.0	19.7	0.0
LF1GMP-19	53	2.6	7.1	5.2	0	0.0	20.2	0.3	0	0.0	17.0	0.4
LF1GMP-20	0	0.0	20.1	0.0	0	0.0	20.3	0.3	0	0.0	19.9	0.0
LF1GV-01	>100	26.3	8.8	23.2	9	0.5	15.4	6.4	>100	7.2	15.9	5.9
LF1GV-02	>100	11.8	14.7	9.6	32	1.6	15.3	6.7	>100	14.0	10.5	12.7
LF1GV-03	>100	27.5	8.0	21.0	>100	8.5	12.9	9.1	>100	32.7	0.0	28.6
LF1GV-04	>100	24.2	5.5	22.2	>100	10.3	9.7	13.3	>100	20.8	4.4	20.4
LF1GV-05	>100	23.7	10.0	19.3	17	0.9	14.8	7.6	>100	14.5	13.5	12.3
LF1GV-06	>100	32.8	4.3	25.3	56	2.8	10.8	13.2	>100	20.3	7.9	17.8
LF1GV-07	>100	16.1	13.6	14.2	15	0.9	15.7	6.4	>100	12.6	15.0	8.4
LF1GV-08	>100	9.5	16.7	6.2	14	0.7	15.7	5.1	>100	6.6	17.8	4.3
LF1GV-09	>100	9.8	16.4	6.8	8	0.4	15.4	5.7	>100	10.7	16.6	4.6
LF1GV-10	>100	15.4	13.4	13.0	76	3.8	11.8	13.4	>100	11.3	14.0	9.6
LF1GV-11	>100	5.2	18.0	3.9	11	0.6	15.9	5.6	>100	8.4	17.2	4.5
LF1GV-12	>100	14.5	13.1	12.4	28	1.4	14.4	8.0	81	4.0	18.3	4.1
LF1GV-13	>100	13.5	12.8	11.4	90	4.3	9.8	14.6	>100	13.0	11.3	10.7
LF1GV-14	>100	5.0	18.2	3.5	11	0.6	15.2	5.9	>100	6.7	16.9	4.3
LF1GV-15	>100	6.5	16.6	6.9	0	0.0	16.8	3.4	77	4.0	17.5	3.6
LF1GV-16	>100	8.8	14.0	7.5	34	1.7	11.2	9.6	62	3.5	15.1	4.7
LF1GV-17	>100	5.8	17.5	5.1	17	0.9	15.4	6.2	>100	6.0	17.7	4.0
LF1GV-18	>100	9.3	15.9	6.9	13	0.7	15.7	4.8	74	3.7	18.4	2.9
LF1GV-19	>100	15.4	12.5	10.3	63	3.1	10.8	10.0	>100	9.9	14.2	7.2
LF1GV-20	>100	10.1	13.5	6.5	62	3.1	9.9	9.5	>100	11.2	11.8	7.0
LF1GV-21	>100	17.5	14.0	6.7	47	2.4	13.0	6.6	>100	19.5	12.5	7.1
LF1GV-22	>100	8.6	15.9	6.8	34	1.9	13.7	8.2	>100	7.6	15.7	5.2
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	>100	18.9	0.4	21.3	0	0.0	19.6	0.5	0	0.0	2.6	10.9
LF1GV-25	>100	26.9	0.2	26.5	39	1.9	17.0	3.2	5	0.8	13.1	4.4
LF1GV-26	>100	10.8	12.0	10.4	68	3.4	17.8	3.2	0	0.0	20.5	0.0
LF1GV-27	33	1.7	18.7	2.9	>100	10.7	13.6	8.0	53	2.2	15.8	4.4
LF1GV-28	5	0.2	19.7	0.3	11	0.6	20.2	0.4	0	0.0	20.4	0.0
LF1GV-29	26	1.3	17.8	2.4	>100	8.8	11.4	8.2	0	0.0	20.4	0.0
LF1GV-30	>100	8.6	10.4	11.7	0	0.0	20.2	0.4	0	0.0	20.6	0.0
LF1GV-31	>100	5.6	9.5	9.0	0	0.0	19.5	0.7	0	0.0	19.3	1.2

Notes:
NI = Not Installed
--- = Not monitored
- = No Reading

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	18-Oct-11				7-May-12				4-Oct-12			
	Barometric Pressure (in.) =			29.11-29.14	Barometric Pressure (in.) =			29.02-29.34	Barometric Pressure (in.) =			29.49-29.56
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	0	0.0	21.2	0.0	>100	20.4	0.9	22.5	>100	30.5	3.9	19.4
LF1GMP-02	0	0.0	21.2	0.0	>100	21.7	0.0	13.9	>100	16.3	2.3	9.7
LF1GMP-03	>100	44.3	0.6	35.2	>100	24.3	0.0	28.1	>100	38.2	1.3	30.8
LF1GMP-04	>100	44.6	0.4	39.5	>100	31.4	0.0	28.4	56	2.8	19.3	3.1
LF1GMP-06	0	0.0	20.8	0.2	>100	52.9	0.0	5.0	>100	77.3	0.2	8.7
LF1GMP-08	0	0.0	20.0	1.0	0	0.0	13.4	3.4	0	0.0	20.6	0.4
LF1GMP-09	59	2.8	17.4	1.8	>100	19.2	0.0	11.5	>100	43.5	1.5	24.4
LF1GMP-10	>100	16.2	2.1	18.1	>100	13.0	0.2	15.1	53	2.5	17.1	4.1
LF1GMP-11	0	0.0	20.3	0.8	0	0.0	17.4	2.7	0	0.0	20.9	0.2
LF1GMP-12	0	0.0	20.2	1.6	0	0.0	20.5	1.6	0	0.0	20.7	0.6
LF1GMP-13	0	0.0	12.4	4.4	0	0.0	18.3	1.7	0	0.0	20.5	0.3
LF1GMP-14	0	0.0	19.6	0.6	0	0.0	21.5	0.3	0	0.0	20.7	0.7
LF1GMP-15	0	0.0	20.6	0.6	0	0.0	21.2	0.6	0	0.0	20.0	0.9
LF1GMP-16	0	0.0	21.1	0.0	0	0.0	22.0	0.0	0	0.0	20.7	0.2
LF1GMP-17	0	0.0	21.1	0.0	0	0.0	18.3	1.7	0	0.0	20.7	0.1
LF1GMP-18	0	0.0	21.0	0.5	0	0.0	20.5	1.7	0	0.0	15.0	3.4
LF1GMP-19	0	0.0	21.2	0.1	0	0.0	20.4	0.5	0	0.0	17.9	1.9
LF1GMP-20	0	0.0	21.4	0.0	0	0.0	21.9	0.0	0	0.0	21.2	0.0
LF1GV-01	0	0.0	21.5	0.1	>100	6.0	18.9	5.0	>100	18.9	4.4	21.7
LF1GV-02	0	0.0	20.2	1.6	>100	7.4	17.9	6.4	>100	25.4	2.6	26.3
LF1GV-03	0	0.0	21.0	0.4	74	3.8	19.8	3.0	>100	24.9	6.2	23.8
LF1GV-04	0	0.0	21.2	0.3	0	0.0	22.0	0.1	>100	17.0	12.9	14.7
LF1GV-05	0	0.0	21.2	0.6	>100	24.9	8.5	21.6	>100	26.7	6.6	25.2
LF1GV-06	0	0.0	21.4	0.2	>100	25.5	2.3	26.0	>100	20.7	3.1	23.9
LF1GV-07	0	0.0	21.9	0.0	>100	9.5	17.4	7.3	>100	20.4	10.7	18.5
LF1GV-08	0	0.0	21.8	0.0	>100	22.4	11.8	12.4	>100	13.2	14.4	8.4
LF1GV-09	0	0.0	21.8	0.0	>100	28.4	9.1	18.0	>100	12.3	13.4	10.2
LF1GV-10	0	0.0	21.6	0.1	>100	17.8	11.9	16.9	>100	33.3	2.5	31.5
LF1GV-11	0	0.0	22.0	0.0	>100	7.3	18.3	5.4	>100	18.5	9.2	16.2
LF1GV-12	0	0.0	22.0	0.0	>100	32.6	8.5	23.7	>100	15.0	9.7	15.8
LF1GV-13	19	0.9	17.0	4.1	>100	18.6	11.4	14.7	>100	21.0	8.2	18.5
LF1GV-14	6	0.3	21.1	0.7	>100	9.8	16.4	6.8	62	3.0	18.8	3.0
LF1GV-15	0	0.0	21.8	0.1	>100	8.3	17.3	4.7	25	1.2	19.5	1.5
LF1GV-16	0	0.0	21.9	0.0	>100	8.5	15.7	5.7	0	0.0	21.1	0.0
LF1GV-17	10	0.5	20.2	1.4	>100	23.2	10.9	14.9	0	0.0	21.2	0.0
LF1GV-18	0	0.0	21.6	0.1	>100	6.4	18.5	4.1	0	0.0	21.0	0.1
LF1GV-19	0	0.0	20.0	1.8	>100	7.7	17.8	4.4	0	0.0	21.2	0.0
LF1GV-20	0	0.0	21.4	0.1	>100	6.0	18.3	2.8	0	0.0	21.2	0.0
LF1GV-21	0	0.0	21.3	0.1	>100	10.3	18.5	2.7	0	0.1	21.1	0.0
LF1GV-22	0	0.0	21.3	0.3	>100	17.2	11.6	13.2	0	0.0	21.2	0.0
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0.0	21.1	0.0	>100	5.8	6.1	7.6	>100	14.7	1.6	22.7
LF1GV-25	0	0.0	21.5	0.0	2	0.1	22.0	0.1	6	0.3	20.9	0.3
LF1GV-26	0	0.0	21.6	0.0	0	0.0	21.9	0.0	0	0.0	21.1	0.0
LF1GV-27	0	0.0	21.3	0.3	>100	12.2	12.3	8.8	0	0.0	21.1	0.0
LF1GV-28	0	0.0	21.6	0.0	0	0.0	21.9	0.0	0	0.0	21.1	0.0
LF1GV-29	0	0.0	21.6	0.0	0	0.0	22.0	0.0	0	0.0	21.1	0.0
LF1GV-30	0	0.0	21.5	0.5	2	0.2	21.9	0.0	0	0.0	21.2	0.0
LF1GV-31	0	0.0	20.1	1.3	0	0.0	20.5	0.2	4	0.2	20.5	0.6

Notes:
NI = Not Installed
--- = Not monitored
- = No Reading

Table 2-2
Groundwater Analytical Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-5												
Date of Collection			12/8/2003	3/30/2004	6/28/2004	9/16/2004	12/14/2004	4/5/2005	6/22/2005	9/9/2005	12/21/2005	3/17/2006	6/19/2006	9/15/2006	12/18/2006
Sample ID No.			LF1M0526AA	LF1M0526BA	LF1M0526CA	LF1M0526DA	LF1M0526EA	LF1M0526FA	LF1M0526GA	LF1M0526HA	LF1M0526IA	LF1M0526JA	LF1M0526KA	LF1M0526LA	LF1M0526MA
Depth to Water (ft)			3.07	2.67	3.29	3.11	2.96	3.17	4.28	4.98	3.61	3.20	3.65	2.28	3.05
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	0.24 F	0.22 F	0.31 F	0.3 F	0.25 F	0.24 F	0.28 F	0.33 F	U	U	U	0.24 F	0.170 F
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	**20**	**20**	**23**	**31**	**8.7**	1.1	1.3	U	0.35 F	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	UJ
1,3,5-trimethylbenzene	5*	1	**7.6**	**7.4**	**6.2**	**6.3**	1.2	0.3 F	U	0.49 F	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	1.7	1.5	1.6	1.6	U	0.86	0.82	0.87	0.79	0.76	0.53	0.65 F	0.59
acetone	50	10	1.3 F	U	U	U	U	U	U	U	U	U	1.5 F	U	U
benzene	1	0.1	**1.5**	**2.2**	**3.6**	**3.7**	**2.3**	**1.6**	**3.0**	**3.5**	**2.2**	**1.9**	**2.0**	**2.3**	**1.13**
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	2.2	2.8	3.6	3.6	2.3	1.4	2.3	2.7	1.8	1.7	1.8	2.02	1.12
chloroethane	5*	1	U	0.2 F	0.27 F	0.25 F	0.33 F	0.25 F	0.32 F	U	U	U	0.2 F	U	0.120 F
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	0.23 F	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	0.24 F	0.26 F	U	0.38 F	0.3 F	0.25 F	0.31 F	0.41 F	U	U	U	0.26 F	U
dichlorodifluoromethane	5*	1	U	0.44 F	0.4 F	0.37 F	0.34 F	U	0.36 F	U	U	U	U	U	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	0.39 F	U	0.51 F	0.51 F	U	U	0.28 F	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methyl iodide	5*	0.5	U	U	U	U	U	U	0.22 F	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	**8.8**	3.2	**19**	**18**	1.6 F	0.42 F	1.6 F	U	U	U	U	U	U
naphthalene	10	1	0.29 F	0.29 F	0.41 F	0.35 F	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	0.27 F	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	0.36 F	0.39 F	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	0.61 F	U	0.59 F	U	0.29 F	U	0.32 F	0.36 F	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-butylbenzene	5*	1	U	U	0.24 F	0.25 F	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.180 F
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	0.24 F	0.25 F	0.3 F	0.37 F	0.33 F	U	0.39 F	0.7 F	0.32 F	0.34 F	U	0.25 F	0.160 F
Total VOCs (µg/L)			**45.11**	**38.76**	**60.66**	**67.37**	**17.94**	**6.42**	**11.73**	**9.36**	**5.46**	**4.7**	**6.03**	**5.72**	**3.28**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	450	423	380	416	380	373	354	324	352	377	420	96	360
ammonia	2	0.2	**2.6**	1.9	1.9	2	1.1	1.9	1.6	1.8	1.8	1.8 B	1.3	**2.5**	**2.3**
BOD5	--	2.4	4.5	5.1	5.8	3.7	U	6.5	3.6	U	U	3.2	14.5	5.5	4.2
bromide	2	0.5	U	0.27 F	0.2 F	0.19 F	U	U	U	U	0.26 F	0.48 F	0.1 F	0.11 F	0.11
COD	--	5	U	12.4	U	U	U	U	3.6 F	19.7	U	U	31.1 B	18	20 B
chloride	250	1	15.9	13.8	13.6	11.5	9.1	9.4	8.3	4.4	10	10.2	9.7	9.2	9.4
color	15	5	**150**	NA	NA	NA	NA	**100**	NA	NA	NA	**60**	NA	NA	NA
cyanide, Total	200	0.02	0.048 J	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA
hardness, Total	--	1	1,290	384	396	390	324	330	312	420	350	285	188	390	340
nitrate	10	1	U	U	U	U	U	U	U	U	U	U	0.03 F	0.024 F	0.032 F
TKN	1	1	**2.7**	**2.6**	**2.5**	**2.6**	**2.3**	**1.9**	**2.3**	**2.7**	**3.5**	**2.9**	U	**2.6**	**2.4**
sulfate	250	1	U	U	U	0.74 F	1.2	U	1.4	1.7	0.75 F	0.46 F	0.77 F	0.6 F	0.54 F
TDS	500	10	485	428	453	450	395	398	339	349	370	396	392	430	390
TOC	--	1	3.5	3.6	2	3.1	3.5	2.7	2.7	2.8	2	2.2	2.7	2.4	2.8

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-5										
Date of Collection			**4/4/2007**	**9/27/2007**	**4/2/2008**	**9/18/2008**	**4/17/2009**	**3/31/2010**	**6/16/2011**	**6/25/2012**			
Sample ID No.			**LF1M0526NA**	**LF1M0526OA**	**LF1M0526PA**	**LF1M0526QA**	**LF1M0526RA**	**LF1M0526SA**	**LF1M0526TA**	**LF1M0526UA**			
Depth to Water (ft)			**2.75**	**3.83**	**2.80**	**3.94**	**2.88**	**2.55**	**3.00**	**3.40**			
VOCs (µg/L)													
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U			
1,1-dichloroethane	5*	1	0.140 F	0.180 F	U	0.230 F	0.150 F	0.150 F	0.19 F	0.19 J			
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U			
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U			
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U			
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U			
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U			
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U			
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U			
1,4-dichlorobenzene	3	0.5	0.480 F	0.550	0.470 F	0.590	0.420 F	0.450 F	0.44 F	0.44 J			
acetone	50	10	U	U	U	U	U	1.32 F	U	U			
benzene	1	0.1	0.740 F	**2.03**	0.690	**2.23**	0.880	0.360 F	**1.5**	**1.8**			
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U			
bromoform	50	1	U	U	U	U	U	U	U	U			
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U			
chlorobenzene	5*	0.5	0.980 F	1.98	0.750	1.77	0.930	0.480 F	1.2	1.2			
chloroethane	5*	1	U	U	U	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U	U	U	U			
chloromethane	5*	1	U	U	U	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1	0.160 F	0.250 F	U	0.300 F	0.170 F	0.140 F	0.25 F	0.30 J			
dichlorodifluoromethane	5*	1	U	0.300 F	U	U	U	U	U	U			
ethylbenzene	5*	1	U	U	U	U	U	U	U	U			
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U			
methylene chloride	5*	1	U	U	U	U	U	U	U	U			
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U			
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U			
m,p-xylene	5*	2	U	U	U	U	U	U	U	U			
naphthalene	10	1	U	U	U	U	U	U	U	U			
o-xylene	5*	1	U	U	U	U	U	U	U	U			
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U			
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U			
tetrachloroethene	5	1	U	U	U	U	U	U	U	U			
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U			
trichloroethene (TCE)	5*	1	U	U	0.130 F	0.120 F	0.140 F	0.120 F	U	U			
toluene	5*	1	U	U	U	U	U	U	U	U			
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U			
vinyl chloride	2	1	0.110 F	0.660 F	U	U	U	U	U	U			
Total VOCs (µg/L)			**2.61**	**5.95**	**2.04**	**5.24**	**2.69**	**3.02**	**3.58**	**3.93**			
Leachate Indicators (mg/L)													
alkalinity, Total	--	10	370	360	360	350	350	360 B	400	400			
ammonia	2	0.2	**2.4**	**2.4**	**2.30**	1.8	**2.1**	1.9	1.4	0.76			
BOD5	--	2.4	5.0	5.9	4.4	4.4	4.4	4.1	3.4 F	U			
bromide	2	0.5	U	0.076 F	0.096 F	0.077 F	0.081 F	0.12	0.17 F	0.18 J			
COD	--	5	19 B	13	11	8.2 F	10	U	7.3 F	9.3 J			
chloride	250	1	8.6	6.5	8.0	5.5	5.8	12 B	14	11			
color	15	5	NA	NA	U	NA	U	U	**35**	U			
cyanide, Total	200	0.02	NA	NA	NA	NA	NA	NA	NA	U			
hardness, Total	--	1	380	290	320	330	18	350 B	360	350			
nitrate	10	1	U	0.035 F	0.041 F	0.041 F	U	0.061 BF	U	U			
TKN	1	1	**2.3**	**2.2**	**2.2**	**2.4**	**2.2**	**2.5**	**2.0**	**2.0**			
sulfate	250	1	0.65 F	1.0	1.0	0.71 F	0.78 F	U	U	U			
TDS	500	10	410	400	380	380	370	370	410	410			
TOC	--	1	2.4	2.8	3.5	2.4	1.9	2.4	2.4	2.2			

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-6												
Date of Collection			12/5/2003	3/30/2004	6/28/2004	9/16/2004	12/15/2004	4/1/2005	6/22/2005	9/9/2005	12/21/2005	3/20/2006	6/19/2006	9/14/2006	12/18/2006
Sample ID No.			LF1M0620AA	LF1M0620BA	LF1M0620CA	LF1M0620DA	LF1M0620EA	LF1M0620FA	LF1M0620GA	LF1M0620HA	LF1M0620IA	LF1M0620JA	LF1M0620KA	LF1M0620LA	LF1M0620MA
Depth to Water (ft)			2.58	2.11	2.88	2.66	2.64	2.50	3.13	3.41	2.76	2.74	3.09	2.75	2.59
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	0.33 F	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	1.6	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	UJ
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	1.1	U	U	U	0.14 F	U
acetone	50	10	U	1.4 F	3.3 F	U	U	U	U	U	U	U	1.2 F	1.27 F	U
benzene	1	0.1	U	U	U	U	U	U	U	**3.3**	U	U	U	0.12 F	U
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	0.32 F	U	U	0.33 F	U	U	U	U	U	U	0.31 F	0.250 F
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	3.4	U	U	U	U	U
chloroethane	5*	1	U	U	U	U	U	U	U	0.38 F	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	0.61 F	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	0.62 F	U	U	U	U	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	U	U	U	U	U	U	U	0.58 F	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.210 F
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	2.1	U	U	U	U	U
naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	0.4 F	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	0.18 F	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	1.2	U	U	U	U	U
Total VOCs (µg/L)			**0**	**1.72**	**3.3**	**0**	**0.33**	**0**	**0**	**16.22**	**0**	**0**	**1.2**	**2.02**	**0.46**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	265 B	247	190	220	230	250	280	492	326	256	292	230	230
ammonia	2	0.2	0.41	0.31	0.39	0.43	0.33	0.4	0.5	**2.1**	0.82	0.54	0.44	0.68	0.52
BOD5	--	2.4	2.8	3.8	4.7	U	3.8	2.5	4.8	7.8	U	U	U	7.8	3.4
bromide	2	0.5	U	U	U	0.19 F	U	U	0.20 F	U	0.56	0.59	0.07 F	0.14 F	0.13
COD	--	5	U	U	U	U	U	U	U	22.6	10.6	11.7	U	11	20 B
chloride	250	1	24 B	23.5	27.5	26.4	23.2	23.2	22.1	15.1	21	19.3	21	22	23
color	15	5	0	NA	NA	NA	NA	12	NA	NA	NA	13	NA	NA	NA
cyanide, Total	200	0.02	0.066 B	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA
hardness, Total	--	1	272 B	228	180	420	272	224	264	640	330	250	188	140 B	220
nitrate	10	1	U	U	U	U	U	U	U	0.04 F	0.11 F	U	U	0.012 F	U
TKN	1	1	0.46	0.51	0.51	0.54 B	0.43	0.49	0.72	**5.6**	**2.2**	0.71	2.2	0.64	0.59
sulfate	250	1	U	U	U	U	U	U	U	U	U	U	U	U	U
TDS	500	10	296 B	287	252	249	286	278	322	**536**	349	299	286	280	270
TOC	--	1	U	0.76 F	U	U	U	0.68 F	0.75 F	3.2	0.62 F	1.1	0.54 F	0.71 F	0.70 F

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-6										
Date of Collection			4/4/2007	9/27/2008	4/2/2008	9/18/2008	4/20/2009	3/31/2010	6/15/2011	6/25/2012			
Sample ID No.			LF1M0620NA	LF1M0620OA	LF1M0620PA	LF1M0620QA	LF1M0620RA	LF1M0620SA	LF1M0620TA	LF1M0620UA			
Depth to Water (ft)			2.23	3.24	2.25	2.91	2.20	NS	1.58	2.3			
VOCs (µg/L)													
1,1,1-trichloroethane	5*	1	U	U	U	U	U	NS	U	U			
1,1-dichloroethane	5*	1	U	0.150 F	U	U	U	NS	U	U			
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	NS	U	U			
1,2,4-trimethylbenzene	5*	1	U	1.08	U	0.200 F	U	NS	U	U			
1,2-dichloroethane	0.6	1	U	U	U	U	U	NS	U	U			
1,2-dichlorobenzene	3	1	U	U	U	U	U	NS	U	U			
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	NS	U	U			
1,3,5-trimethylbenzene	5*	1	U	0.140 F	U	U	U	NS	U	U			
1,3-dichlorobenzene	3	1	U	U	U	U	U	NS	U	U			
1,4-dichlorobenzene	3	0.5	U	0.400 F	U	U	U	NS	U	U			
acetone	50	10	U	U	U	U	U	NS	U	U			
benzene	1	0.1	U	1.65	U	0.410 F	U	NS	U	0.27 J			
bromodichloromethane	50	0.5	U	U	U	U	U	NS	U	U			
bromoform	50	1	U	U	U	U	U	NS	U	0.27 J			
carbon disulfide	1,000	0.5	U	U	U	U	U	NS	U	U			
chlorobenzene	5*	0.5	U	0.93	U	U	U	NS	U	U			
chloroethane	5*	1	U	U	U	U	U	NS	U	U			
chloroform	7	0.3	U	U	U	U	U	NS	U	U			
chloromethane	5*	1	U	U	U	U	U	NS	U	U			
cis-1,2-dichloroethene	5*	1	U	0.180 F	U	U	U	NS	U	U			
dichlorodifluoromethane	5*	1	U	0.270 F	U	U	U	NS	U	U			
ethylbenzene	5*	1	U	U	U	U	U	NS	U	U			
isopropylbenzene	5*	1	U	0.160 F	U	U	U	NS	U	U			
methylene chloride	5*	1	U	0.230 F	U	U	U	NS	U	U			
methyl iodide	5*	0.5	U	U	U	U	U	NS	U	U			
n-propylbenzene	5*	1	U	U	U	U	U	NS	U	U			
m,p-xylene	5*	2	U	0.730 F	U	0.160 F	U	NS	U	U			
naphthalene	10	1	U	U	U	U	U	NS	U	U			
o-xylene	5*	1	U	U	U	U	U	NS	U	U			
p-isopropyltoluene	5*	1	U	U	U	U	U	NS	U	U			
sec-butylbenzene	5*	1	U	U	U	U	U	NS	U	U			
tetrachloroethene	5	1	U	U	U	U	U	NS	U	U			
tert-butylbenzene	5*	1	U	U	U	U	U	NS	U	U			
trichloroethene (TCE)	5*	1	U	U	U	U	U	NS	U	U			
toluene	5*	1	U	U	U	U	U	NS	U	U			
trichlorofluoromethane	5*	1	U	U	U	U	U	NS	U	U			
vinyl chloride	2	1	U	U	U	U	U	NS	U	U			
Total VOCs (µg/L)			**0**	**4.92**	**0**	**0.77**	**0**	**NS**	**0**	**0.54**			
Leachate Indicators (mg/L)													
alkalinity, Total	--	10	230	440	280	280	240	NS	390	360			
ammonia	2	0.2	0.50	**2.4**	0.72	1.10	0.54	NS	1.6 F	0.44			
BOD5	--	2.4	4.2	6.7	U	10	3.3	NS	1.8 F	2.6			
bromide	2	0.5	0.11	0.16	0.13	0.14	0.14	NS	0.17 F	0.21 J			
COD	--	5	10 B	8.5 F	6.3 F	U	6.0 F	NS	U	8.0 J			
chloride	250	1	22	16	21	19	20	NS	16	U			
color	15	5	NA	NA	U	NA	U	NS	**30**	**25**			
cyanide, Total	200	0.02	NA	NA	NA	NA	NA	NS	NA	U			
hardness, Total	--	1	230	389	250	280	220	NS	330	290			
nitrate	10	1	U	0.016 F	0.021 F	0.016 F	U	NS	U	0.052 J			
TKN	1	1	0.54	**2.2**	0.67	**1.1**	0.57	NS	**1.2**	1.5			
sulfate	250	1	U	U	U	U	U	NS	U	U			
TDS	500	10	280	490	310	330	280	NS	410	380			
TOC	--	1	0.47 F	2.0	0.50 F	0.73 F	U	NS	1.2	1.1			

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-10												
Date of Collection			12/9/2003	3/30/2004	6/28/2004	9/17/2004	12/15/2004	4/4/2005	6/23/2005	9/8/2005	12/22/2005	3/16/2006	9/14/2006	4/3/2007	9/26/2007
Sample ID No.			LF1M1029AA	LF1M1030BA	LF1M1029CA	LF1M1030DA	LF1M1030EA	LF1M1030FA	LF1M1030GA	LF1M1030HA	LF1M1030IA	LF1M1030JA	LF1M1030LA	LF1M1030NA	LF1M1030OA
Depth to Water (ft)			25.67	25.03	25.57	26.12	25.92	25.46	26.24	27.65	26.81	25.27	26.60	24.60	27.10
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	**3.9**	2	1.2	1.7	1.2	0.98	0.69	1.2	1	0.64	0.52 F	0.240 F	0.400 F♦
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	0.7	0.25 F	U	U	U	U	U	U	U	U	U	U	U
chloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	0.130 F	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	0.21 F	0.120 F	0.260 F♦
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	0.1 F	U	0.130 F
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.230 F
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**4.6**	**2.25**	**1.2**	**1.7**	**1.2**	**0.98**	**0.69**	**1.2**	**1**	**0.64**	**0.83**	**0.49**	**1.02**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	170	174	174	191	193	184	204	215	233	190	230	200	230
ammonia	2	0.2	1.1	0.39	0.25	0.19	0.15	0.13	0.2	0.17	0.16	0.041 F	0.048 F	0.038 F	0.071
BOD5	--	2.4	U	2.3	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
COD	--	5	U	17.4	U	U	U	U	4.3 F	5.3 F	18.8 B	U	5 F	10 B	8.5 F
chloride	250	1	2.0	0.39 F	1.7	1.7	1.4	1.4	1.4 B	1.2	1.2	0.68 F	1.1	0.80 F	0.85 F♦
color	15	5	**25**	NA	NA	NA	NA	7.5	U	NA	NA	U	NA	NA	NA
cyanide, Total	200	0.02	U	NA	NA	NA	NA	U	U	NA	NA	0.0062 F	NA	NA	NA
hardness, Total	--	1	210	188	196	200	208	182	216	230	270 B	147	240	530	200 J♦
nitrate	10	1	U	0.88 F	0.23 F	0.13 F	0.07 F	0.14 F	0.26 F	0.04 F	0.26 F	0.26 F	0.17 F	0.32	0.18
TKN	1	1	0.96	0.66	0.46	0.38	U	U	0.5 B	0.76	0.61	U	U	U	0.13 F♦
sulfate	250	1	14.7	9.2	9.1	7.4	8.5	14.3	15 B	14.2	10	6.9	13	11	9.2♦
TDS	500	10	225	186	199	196	224	221	226	234	245	230	270	210	250
TOC	--	1	1.1	3.1	U	0.6 F	U	0.78 F	0.78 F	1 B	U	0.51 F	0.73 F	0.65 F	0.90 F

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-10										
Date of Collection			**4/1/2008**	**9/17/2008**	**4/21/2009**	**3/30/2010**	**6/15/2011**	**6/26/2012**					
Sample ID No.			**LF1M1030PA**	**LF1M1030QA**	**LF1M1030RA**	**LF1M1030SA**	**LF1M1030TA**	**LF1M1030UA**					
Depth to Water (ft)			**24.52**	**26.55**	**24.44**	**25.90**	**NS**	**25.9**					
VOCs (µg/L)													
1,1,1-trichloroethane	5*	1	U	U	U	U	NS	U					
1,1-dichloroethane	5*	1	U	U	U	U	NS	U					
1,2,3-trichlorobenzene	5	1	U	U	U	U	NS	U					
1,2,4-trimethylbenzene	5*	1	U	U	U	U	NS	U					
1,2-dichloroethane	0.6	1	U	U	U	U	NS	U					
1,2-dichlorobenzene	3	1	U	U	U	U	NS	U					
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	NS	U					
1,3,5-trimethylbenzene	5*	1	U	U	U	U	NS	U					
1,3-dichlorobenzene	3	1	U	U	U	U	NS	U					
1,4-dichlorobenzene	3	0.5	0.340 F	U	U	0.180 F	NS	U					
acetone	50	10	U	U	U	1.33 F	NS	U					
benzene	1	0.1	U	U	U	U	NS	U					
bromodichloromethane	50	0.5	U	U	U	U	NS	U					
bromoform	50	1	U	U	U	U	NS	U					
carbon disulfide	1,000	0.5	U	U	U	U	NS	U					
chlorobenzene	5*	0.5	U	U	U	U	NS	U					
chloroethane	5*	1	U	U	U	U	NS	U					
chloroform	7	0.3	U	U	U	U	NS	U					
chloromethane	5*	1	U	U	U	U	NS	U					
cis-1,2-dichloroethene	5*	1	U	U	U	U	NS	U					
dichlorodifluoromethane	5*	1	U	U	U	U	NS	U					
ethylbenzene	5*	1	U	U	U	U	NS	U					
isopropylbenzene	5*	1	U	U	U	U	NS	U					
methylene chloride	5*	1	U	U	U	U	NS	U					
methyl iodide	5*	0.5	U	U	U	U	NS	U					
n-propylbenzene	5*	1	U	U	U	U	NS	U					
m,p-xylene	5*	2	U	U	U	U	NS	U					
naphthalene	10	1	U	U	U	U	NS	U					
o-xylene	5*	1	U	U	U	U	NS	U					
p-isopropyltoluene	5*	1	U	U	U	U	NS	U					
sec-butylbenzene	5*	1	U	U	U	U	NS	U					
tetrachloroethene	5	1	0.170 F	0.200 F♦	0.180 F	0.280 F	NS	U					
tert-butylbenzene	5*	1	U	U	U	U	NS	U					
trichloroethene (TCE)	5*	1	U	U	U	0.120 F	NS	U					
toluene	5*	1	U	U	U	U	NS	U					
trichlorofluoromethane	5*	1	U	U	U	U	NS	U					
vinyl chloride	2	1	U	U	U	U	NS	U					
Total VOCs (µg/L)			**0.51**	**0.200**	**0.180**	**1.91**	NS	**0**					
Leachate Indicators (mg/L)													
alkalinity, Total	--	10	200	250	200	230	NS	230					
ammonia	2	0.2	0.026 F	0.050 B♦	U	U	NS	0.11 JB					
BOD5	--	2.4	U	U	U	U	NS	U					
bromide	2	0.5	U	U	U	U	NS	U					
COD	--	5	8.5 F	U	6.0 F	U	NS	0.78 J♦					
chloride	250	1	0.79 F	0.79 F	0.53 F	0.39 F	NS	1.9 J					
color	15	5	U	NA	U	U	NS	U					
cyanide, Total	200	0.02	NA	NA	NA	NA	NS	U					
hardness, Total	--	1	220	280	220	250	NS	220					
nitrate	10	1	0.36	0.098 F	0.62	0.21	NS	0.59 ♦					
TKN	1	1	0.13 F	0.25 B	U	0.24 B	NS	0.70 J					
sulfate	250	1	22	12	15	17	NS	6.0					
TDS	500	10	230	270	250	250	NS	240					
TOC	--	1	0.71 F	0.97 F	0.54 F	0.77 F	NS	0.78 J ♦					

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-11												
Date of Collection			12/5/2003	3/29/2004	6/25/2004	9/16/2004	12/15/2004	4/1/2005	6/22/2005	9/8/2005	12/23/2005	3/16/2006	6/19/2006	9/15/2006	12/18/2006
Sample ID No.			LF1M1111AA	LF1M1111BA	LF1M1111CA	LF1M1111DA	LF1M1111EA	LF1M1111FA	LF1M1111GA	LF1M1111HA	LF1M1111IA	LF1M1111JA	LF1M1111KA	LF1M1111LA	LF1M1111MA
Depth to Water (ft)			2.99	2.57	3.31	3.10	3.13	2.89	3.64	3.98	3.35	3.01	4.90	3.65	3.21
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	1.6	0.93 F	1.2	1.3	1.2	0.29 F	1.1	0.8 F	1.1	1.2	0.86 F	0.93 F	1.05
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	0.22 F	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	0.27 F	0.58 F	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	0.13 F	0.120 F
1,2-dichlorobenzene	3	1	**13**	**11**	**10**	**12**	**9**	2.3	**8.9**	**11**	**8.1**	**8.2**	**8.8**	**9.72**	**8.37**
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	UJ
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3	1	1.5	1	1.4	1.4	1	0.3 F	1.2	1.6	1.1	0.94 F	0.99 F	0.99 F	0.860 F
1,4-dichlorobenzene	3	0.5	**16**	**13**	**13**	**14**	**11**	2.9	**11**	**14**	**10**	**10**	**11**	**11.7**	**10.0**
acetone	50	10	U	U	3.6 F	U	U	1.8 F	2 F	U	U	U	2.3 F	3.89 F	2.30 F
benzene	1	0.1	**4.9**	**3.4**	**3.6**	**3.7**	**3.3**	0.62	**3**	**2.6**	**2.7**	**2.9**	**2.4**	**2.43**	**2.53**
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	**17**	**14**	**14**	**14**	**12**	2.3	**11**	**13**	**10**	**10**	**11**	**10.4**	**9.70**
chloroethane	5*	1	1.2	0.66 F	0.78 F	0.91 F	1	U	1.2	0.73 F	0.68 F	0.93 F	0.94 F	0.95 F	0.840 F
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	0.2 F	U	U
cis-1,2-dichloroethene	5*	1	0.48 F	0.32 F	U	0.46 F	0.45 F	U	0.37 F	U	U	U	U	0.26 F	0.340 F
dichlorodifluoromethane	5*	1	2.7	2.4	2.3	2.6	2.4	0.36 F	2.3	U	2	2.8	1.5	1.62	1.27
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	2.1	1.7	1.8	1.7	1.3	U	0.65 F	0.5 F	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	0.18 F	0.190 F
methyl iodide	5*	0.5	U	U	U	U	U	U	0.21 F	U	U	U	U	U	U
n-propylbenzene	5*	1	1.8	0.88 F	0.67 F	0.41 F	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
naphthalene	10	1	0.3 F	U	U	U	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	0.88 F	0.58 F	0.89 F	0.84 F	0.63	U	0.5 F	0.59 F	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-butylbenzene	5*	1	0.28 F	U	0.34 F	0.36 F	0.28	U	0.37 F	U	U	U	0.24 F	0.17 F	0.190 F
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	0.39 F	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	0.24 F	U
trichlorofluoromethane	5*	1	0.14	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	1.9	1.3	1.3	1.6	1.8	0.24 F	1.4	1	1.2	1.5	1	1.18	1.17
Total VOCs (µg/L)			**65.78**	**51.44**	**54.86**	**55.28**	**45.36**	**11.33**	**45.20**	**46.21**	**36.88**	**36.97**	**41.23**	**44.79**	**38.93**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	558 M	540	483	564	553	307	545	460	504	518	611	590	520
ammonia	2	0.2	**3.6 M**	**2.3**	**2.3**	**3.4**	**2.3**	0.85	**2.5**	**2.9**	**3**	**2.2**	1.9	**4.2**	**4**
BOD5	--	2.4	7.4	3.8	2.9	5.6	5.7	5.4	4.7	U	12.3	3 B	6.2	16	14
bromide	2	0.5	U	0.24 F	0.27 F	U	U	U	0.2 F	0.21 F	0.26 F	0.52	0.09 F	0.13 F	0.14
COD	--	5	19.5	34.1	U	18.2	14.8	13.5	11.7	13.3	25.3	17.4	30.1 B	22	24 B
chloride	250	1	13 B	11.3	12.4	12.8	11.4	7.4	12.3	12.6	10.8	8.2	9.6	11	13
color	15	5	**80**	NA	NA	NA	NA	**120**	NA	NA	NA	**120**	NA	NA	NA
cyanide, Total	200	0.02	0.022 M	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA
hardness, Total	--	1	564 B	448	496	550	500	240	484	38.4 F	460	528	626	500	500
nitrate	10	1	U	0.03 F	U	U	0.06 F	U	U	0.5 F	U	U	U	0.027 F	0.070 F
TKN	1	1	**4.1**	**3.6**	**3.7**	**3.4**	**3.4**	**1.1**	**3.6**	**5.2**	**5.4**	**3.6**	**3.2**	**3.9**	**4.0**
sulfate	250	1	1.9 B	3.3	4.2	3	2	2.6	2.6	2.2	1.6	3.6	4.2	3.5	2.8
TDS	500	10	**573 B**	**587**	**566**	**576**	**592**	306	594	465	480	**520**	**572**	**590**	**570**
TOC	--	1	6.2	4.9	4.2	5	4.4	5	4.6	4.3 B	3.6	3	4.4	4	4.0

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-11										
Date of Collection			**4/3/2007**	**9/26/2007**	**4/1/2008**	**9/17/2008**	**4/17/2009**	**3/31/2010**	**6/15/2011**	**6/21/2012**			
Sample ID No.			**LF1M1111NA**	**LF1M1111OA**	**LF1M1111PA**	**LF1M1111QA**	**LF1M1111RA**	**LF1M1111SA**	**LF1M1111TA**	**LF1M1111UA**			
Depth to Water (ft)			**3.00**	**4.33**	**2.67**	**3.82**	**3.06**	**2.56**	**3.45**	**4.07**			
VOCs (µg/L)													
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U			
1,1-dichloroethane	5*	1	0.950 F	0.750 F	0.750 F	0.740 F	0.730 F	0.900 F	0.81 F	0.73 J			
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U			
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U			
1,2-dichloroethane	0.6	1	U	0.130 F	U	U	U	U	U	U			
1,2-dichlorobenzene	3	1	**6.69**	**9.81**	**5.84**	**6.95**	**5.80**	**6.04**	**5.0**	**5.8**			
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U			
1,3,5-trimethylbenzene	5*	1	U	0.100 F	U	U	U	U	U	U			
1,3-dichlorobenzene	3	1	0.740 F	1.16	0.660 F	0.780 F	0.600 F	0.710 F	0.54 F	0.59 J			
1,4-dichlorobenzene	3	0.5	**7.84**	**11.10**	**7.24**	**8.49**	**7.18**	**7.53**	**6.0**	**6.4**			
acetone	50	10	U	U	U	U	U	1.78 F	U	U			
benzene	1	0.1	**2.09**	**1.98**	**1.67**	**1.82**	**1.58**	**2.06**	**1.7**	**1.6**			
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U			
bromoform	50	1	U	U	U	U	U	U	U	U			
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U			
chlorobenzene	5*	0.5	**8.10**	**9.89**	**6.49**	**8.05**	**7.06**	**7.18**	**6.3**	**6.8**			
chloroethane	5*	1	0.650 F	0.670 F	0.610 F	0.720 F	0.700 F	0.720 F	0.54 F	0.52 J			
chloroform	7	0.3	U	U	U	U	U	U	U	U			
chloromethane	5*	1	U	U	U	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1	0.280 F	0.260 F	0.230 F	0.260 F	0.180 F	0.260 F	0.25 F	0.20 J			
dichlorodifluoromethane	5*	1	1.06	0.740 F	0.760 F	0.670 F	1.29	0.280 F	U	U			
ethylbenzene	5*	1	U	U	U	U	U	U	U	U			
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U			
methylene chloride	5*	1	0.120 F	U	U	U	U	U	U	U			
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U			
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U			
m,p-xylene	5*	2	U	U	U	U	U	U	U	U			
naphthalene	10	1	U	U	U	U	U	U	U	U			
o-xylene	5*	1	U	U	U	U	U	U	U	U			
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U			
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U			
tetrachloroethene	5	1	U	U	U	U	U	U	U	U			
tert-butylbenzene	5*	1	0.170 F	0.290 F	U	0.210 F	0.120 F	0.170 F	U	U			
trichloroethene (TCE)	5*	1	U	U	0.180 F	U	U	0.160 F	U	U			
toluene	5*	1	0.150 F	0.180 F	0.130 F	0.180 F	0.130 F	0.150 F	U	U			
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U			
vinyl chloride	2	1	1.22	0.840 F	0.940 F	0.800 F	0.870 F	0.970 F	0.88 F	U			
Total VOCs (µg/L)			**30.06**	**37.90**	**25.50**	**29.67**	**26.24**	**28.91**	**22.02**	**21.91**			
Leachate Indicators (mg/L)													
alkalinity, Total	--	10	520	460	530	490	510	560 B	540	510			
ammonia	2	0.2	**4**	**3.9**	**3.6**	**4.1**	**3.5**	**3.3**	**2.6**	1.4			
BOD5	--	2.4	14	6.8	14	12	14	19	7.9	8.3			
bromide	2	0.5	0.14	0.10	0.12	0.11	0.15	0.10	0.15 F	0.15 J			
COD	--	5	24 B	15	17	13	17	9.9 F	9.7 F	9.7 J			
chloride	250	1	13	9.2	9.7	7.9	10.0	8.2 B	11.0	8.4			
color	15	5	NA	NA	120	NA	U	U	**25**	**25**			
cyanide, Total	200	0.02	NA	NA	NA	NA	NA	NA	U	U			
hardness, Total	--	1	500	380	490	540	500	530 B	380	470			
nitrate	10	1	0.070 F	0.053 F	0.086 F	U	U	U	U	U			
TKN	1	1	**4.0**	**3.7**	**3.7**	**4.0**	**3.7**	**4.1**	**2.9**	**3 B**			
sulfate	250	1	2.8	2.9	2.1	0.94	0.83 F	0.43 BF	0.39 F	U			
TDS	500	10	**570**	**500**	**530**	340	**540**	**570**	**550**	500			
TOC	--	1	4.0	3.5	3.4	3.5	3.0	4.0	2.9	2.8			

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-12												
Date of Collection			12/8/2003	3/29/2004	6/25/2004	9/16/2004	12/14/2004	4/1/2005	6/22/2005	9/8/2005	12/23/2005	3/16/2006	9/15/2006	4/4/2007	9/26/2007
Sample ID No.			LF1M1212AA	LF1M1212BA	LF1M1212CA	LF1M1212DA	LF1M1212EA	LF1M1212FA	LF1M1212GA	LF1M1212HA	LF1M1212IA	LF1M1212JA	LF1M1212LA	LF1M1212NA	LF1M1212OA
Depth to Water (ft)			3.09	2.72	3.31	3.13	3.14	2.92	4.48	5.39	3.57	3.15	4.35	2.85	5.77
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	0.16 F	U	U
acetone	50	10	2 F	U	2.8 F	1.8 F	U	U	U	U	U	U	1.31 F	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.230 F
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	0.110 F	U
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	0.74 F	0.55 F	0.78 F	0.99 F	0.74 F	0.44 F	0.48 F	0.66 F	0.69 F	0.7 F	0.53 F	0.390 F	0.280 F
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**2.74**	**0.55**	**3.56**	**2.79**	**0.74**	**0.44**	**0.48**	**0.66**	**0.69**	**0.7**	**2**	**0.5**	**0.51**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	97.7	93.2	87.9	114	122	119	125	163	202	169	290	130	170
ammonia	2	0.2	U	U	0.012 F	0.041 F	U	0.05	0.057	0.18	0.11 B	U	0.15	0.054 B	0.43
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U	2.3
bromide	2	0.5	U	U	U	U	U	U	U	U	0.17 F	U	0.034 F	0.022 F	0.17
COD	--	5	U	U	U	U	U	U	U	7.6 F	14.8	12.2	7.1 F	6.1 F	13
chloride	250	1	9.4	15.8	11.3	9.3	16.2	7	8.4	7.3	10.2	8.4	7	5.7	21
color	15	5	2.5	NA	NA	NA	NA	7.5	NA	NA	NA	**20**	NA	NA	NA
cyanide, Total	200	0.02	0.041 J	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA
hardness, Total	--	1	250	104	120	140	444	136	132	170	210	137	160	150	140
nitrate	10	1	U	0.82 F	0.51 F	0.28 F	U	U	U	U	U	U	U	U	U
TKN	1	1	U	0.12 F	U	U	0.22 B	0.16 F	U	1	**1.9**	U	0.061 F	U	0.42
sulfate	250	1	9.1	7.9	8.1	7.3	6.1	5	3	4.4	7.5	7.3	3.8	4.4 B	2.1
TDS	500	10	142	140	154	145	165	166	183	192	223	205	160	170	220
TOC	--	1	U	U	U	U	0.66 F	0.52 F	0.68 F	3.1 B	0.71 F	0.45 F	0.67 F	U	1.9 B

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-12										
Date of Collection			**4/2/2008**	**9/17/2008**	**4/17/2009**	**3/31/2010**	**6/15/2011**	**6/26/2012**					
Sample ID No.			**LF1M1212PA**	**LF1M1212QA**	**LF1M1212RA**	**LF1M1212SA**	**LF1M1212TA**	**LF1M1212UA**					
Depth to Water (ft)			**2.79**	**4.65**	**3.11**	**2.78**	**3.31**	**4.6**					
VOCs (µg/L)													
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U					
1,1-dichloroethane	5*	1	U	U	U	U	U	U					
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U					
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U					
1,2-dichloroethane	0.6	1	U	U	U	U	U	U					
1,2-dichlorobenzene	3	1	U	U	U	U	U	U					
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U					
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U					
1,3-dichlorobenzene	3	1	U	U	U	U	U	U					
1,4-dichlorobenzene	3	0.5	0.200 F	U	U	U	U	U					
acetone	50	10	U	U	U	2.47 F	U	U					
benzene	1	0.1	U	U	U	U	U	U					
bromodichloromethane	50	0.5	U	U	U	U	U	U					
bromoform	50	1	U	U	U	U	U	U					
carbon disulfide	1,000	0.5	U	U	U	U	U	U					
chlorobenzene	5*	0.5	U	U	U	U	U	U					
chloroethane	5*	1	U	U	U	U	U	U					
chloroform	7	0.3	U	U	U	U	U	U					
chloromethane	5*	1	U	U	U	U	U	U					
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U					
dichlorodifluoromethane	5*	1	U	U	U	U	U	U					
ethylbenzene	5*	1	U	U	U	U	U	U					
isopropylbenzene	5*	1	U	U	U	U	U	U					
methylene chloride	5*	1	U	U	U	U	U	U					
methyl iodide	5*	0.5	U	U	U	U	U	U					
n-propylbenzene	5*	1	U	U	U	U	U	U					
m,p-xylene	5*	2	U	U	U	U	U	U					
naphthalene	10	1	U	U	U	U	U	U					
o-xylene	5*	1	U	U	U	U	U	U					
p-isopropyltoluene	5*	1	U	U	U	U	U	U					
sec-butylbenzene	5*	1	U	U	U	U	U	U					
tetrachloroethene	5	1	U	U	U	U	U	U					
tert-butylbenzene	5*	1	U	U	U	U	U	U					
trichloroethene (TCE)	5*	1	0.510 F	0.700 F	0.490 F	0.500 F	0.50 F	0.64 J					
toluene	5*	1	U	U	U	U	U	U					
trichlorofluoromethane	5*	1	U	U	U	U	U	U					
vinyl chloride	2	1	U	U	U	U	U	U					
Total VOCs (µg/L)			**0.71**	**0.70**	**0.49**	**2.97**	**0.50**	**0.64**					
Leachate Indicators (mg/L)													
alkalinity, Total	--	10	200	170	180	120 B	160	160					
ammonia	2	0.2	0.13	0.11 B	0.032 F	0.027 F	0.19	0.083 JB					
BOD5	--	2.4	U	U	U	U	U	1.4 J					
bromide	2	0.5	0.035 F	0.040 F	0.027 F	U	U	U					
COD	--	5	U	U	3.7 F	U	U	10 J					
chloride	250	1	6.3	5.5	5.3	10 B	6.2	5.0					
color	15	5	U	NA	U	U	U	**25**					
cyanide, Total	200	0.02	NA	NA	NA	NA	NA	U					
hardness, Total	--	1	200	170	170	140 B	150	150					
nitrate	10	1	U	U	U	0.026 BF	U	U					
TKN	1	1	U	0.27 B	U	0.18 F	0.50 F	0.80 J					
sulfate	250	1	4.3	4.3	3.8	5.8 B	2.1 J	1.8 J					
TDS	500	10	210	160	98	160	180	180					
TOC	--	1	0.47 F	0.53 F	U	1.7	0.74 F	0.66 J					

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-13												
Date of Collection			12/8/2003	3/29/2004	6/25/2004	9/16/2004	12/14/2004	4/1/2005	6/22/2005	9/8/2005	12/23/2005	3/14/2006	9/15/2006	4/3/2007	9/26/2007
Sample ID No.			LF1M1316AA	LF1M1316BA	LF1M1316CA	LF1M1316DA	LF1M1316EA	LF1M1316FA	LF1M1316GA	LF1M1316HA	LF1M1316IA	LF1M1316JA	LF1M1316LA	LF1M1316NA	LF1M1316OA
Depth to Water (ft)			6.32	4.92	7.28	6.53	5.54	5.14	8.21	9.18	7.13	5.68	7.88	4.92	9.25
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	UM	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	UM	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	UM	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	UM	U	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1	U	U	UM	U	U	U	UM	U	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	UM	U	U	0.18 F	U	U
acetone	50	10	U	U	4.9 F	1.4 F	U	U	U	U	U	U	1.03 F	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
bromodichloromethane	50	0.5	U	U	U	UM	U	U	U	UM	U	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	U	UM	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	UM	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	UM	U	U	U	U	U
chloroethane	5*	1	U	U	U	U	UM	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	UM	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	UM	U	U	U	U	U	U	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	UM	U	U	UM	U	U	0.19 F	0.200 F	U
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	UM	U	U	U	U	U	U
naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	UM	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	U	U	U	U	U	UM	U	U	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	UM	U	U	U	U	U
vinyl chloride	2	1	**2.5**	**2.5**	1.7	**2.1**	**2.7 M**	**2.2**	1.8	**2.6**	1.8	2	1.12	1.28	1.32
Total VOCs (µg/L)			**2.5**	**2.5**	**6.6**	**3.5**	**2.7**	**2.2**	**1.8**	**2.6**	**1.8**	**2**	**2.52**	**1.48**	**1.32**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	258	252	229 M	260 M	256	270	247	276 M	243	230 B	200	240	210
ammonia	2	0.2	0.23	0.17	0.2	0.21 J	0.13 M	0.19	0.13	0.23	0.26 M	0.042 F	0.32	0.14	0.35
BOD5	--	2.4	U	U	2.7	U	U	U	U	2.1	U	U	2.1	U	U
bromide	2	0.5	U	U	U	U	U	U	U	UM	0.4 M	U	0.087 F	0.094 F	0.069 F
COD	--	5	U	U	UM	U	U	11.4	3.6 F	15.9	13.2 J	U	14	13 B	11
chloride	250	1	18.1	18.2	18.3	19.6	15.9 M	18	20.7	15.7 M	16.6 M	17.6 B	20	16	15
color	15	5	**150 J**	NA	NA	NA	NA	**120**	NA	NA	NA	**80**	NA	NA	NA
cyanide, Total	200	0.02	U	NA	NA	NA	NA	0.0091 M	NA	NA	NA	U	NA	NA	NA
hardness, Total	--	1	330	252	216 M	240	232	236	232	392	260	176	200	220	150
nitrate	10	1	U	U	U	UM	U	U	U	UM	0.08 F	U	0.028 F	U	U
TKN	1	1	0.31	0.56	0.47	0.23 B	0.48 B	0.29	0.43	**1.1**	1 J	0.25 B	0.26 F	0.30 J	0.32
sulfate	250	1	9.4	7.8	8.3	7.5	6.1 M	6.8	7.8	6 M	6 M	5.6	7.1	4.7 F	6.5
TDS	500	10	312	318	312	280	338	292	310	268	278	316	250	270	260
TOC	--	1	2.2	2.1	0.52 F	2.1	2.7	2.4	2	2.4 B	1.9	U	2.5	3.2	2.8

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-13										
Date of Collection			**4/1/2008**	**9/17/2008**	**4/17/2009**	**3/30/2010**	**6/16/2011**	**6/21/2012**					
Sample ID No.			**LF1M1316PA**	**LF1M1316QA**	**LF1M1316RA**	**LF1M1316SA**	**LF1M1316TA**	**LF1M1316UA**					
Depth to Water (ft)			**4.65**	**8.59**	**6.33**	**5.85**	**6.8**	**7.35**					
VOCs (µg/L)													
1,1,1-trichloroethane	5*	1	U	U	U	U	NA	NA					
1,1-dichloroethane	5*	1	U	U	U	U	NA	NA					
1,2,3-trichlorobenzene	5	1	U	U	U	U	NA	NA					
1,2,4-trimethylbenzene	5*	1	U	U	U	U	NA	NA					
1,2-dichloroethane	0.6	1	U	U	U	U	NA	NA					
1,2-dichlorobenzene	3	1	U	U	U	U	NA	NA					
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	NA	NA					
1,3,5-trimethylbenzene	5*	1	U	U	U	U	NA	NA					
1,3-dichlorobenzene	3	1	U	U	U	U	NA	NA					
1,4-dichlorobenzene	3	0.5	0.180 F	U	U	U	NA	NA					
acetone	50	10	U	U	U	1.31♦	NA	NA					
benzene	1	0.1	U	U	U	U	NA	NA					
bromodichloromethane	50	0.5	U	U	U	U	NA	NA					
bromoform	50	1	U	U	U	U	NA	NA					
carbon disulfide	1,000	0.5	U	U	U	U	NA	NA					
chlorobenzene	5*	0.5	U	U	U	U	NA	NA					
chloroethane	5*	1	U	U	U	U	NA	NA					
chloroform	7	0.3	U	U	U	U	NA	NA					
chloromethane	5*	1	U	U	U	U	NA	NA					
cis-1,2-dichloroethene	5*	1	U	U	U	U	NA	NA					
dichlorodifluoromethane	5*	1	U	U	U	U	NA	NA					
ethylbenzene	5*	1	U	U	U	U	NA	NA					
isopropylbenzene	5*	1	U	U	U	U	NA	NA					
methylene chloride	5*	1	U	U	U	U	NA	NA					
methyl iodide	5*	0.5	U	U	U	U	NA	NA					
n-propylbenzene	5*	1	U	U	U	U	NA	NA					
m,p-xylene	5*	2	U	U	U	U	NA	NA					
naphthalene	10	1	U	U	U	U	NA	NA					
o-xylene	5*	1	U	U	U	U	NA	NA					
p-isopropyltoluene	5*	1	U	U	U	U	NA	NA					
sec-butylbenzene	5*	1	U	U	U	U	NA	NA					
tetrachloroethene	5	1	U	U	U	U	NA	NA					
tert-butylbenzene	5*	1	U	U	U	U	NA	NA					
trichloroethene (TCE)	5*	1	U	U	U	U	NA	NA					
toluene	5*	1	U	U	U	U	NA	NA					
trichlorofluoromethane	5*	1	U	U	U	U	NA	NA					
vinyl chloride	2	1	1.48	1.25	1.16♦	1.27	NA	NA					
Total VOCs (µg/L)			**1.66**	**1.25**	**1.16**	**2.58**	NA	NA					
Leachate Indicators (mg/L)													
alkalinity, Total	--	10	230	190	220♦	210	210*	200					
ammonia	2	0.2	0.17	0.34	0.17	0.16♦	0.57	0.21 B♦					
BOD5	--	2.4	U	2.3	U	U	3.9*	U					
bromide	2	0.5	0.078 F♦	0.075 F	0.089 F♦	0.078 F♦	U	0.13 J					
COD	--	5	15♦	8.2 F	13	12♦	4.6 F	8.6♦					
chloride	250	1	14	14	15	13	14	14					
color	15	5	**100**	NA	**45**	U	**35**	**50♦**					
cyanide, Total	200	0.02	NA	NA	NA	NA	U	U					
hardness, Total	--	1	230	200	200	210♦	200	180					
nitrate	10	1	0.016 F	U	0.025 F	0.015 F	U	U					
TKN	1	1	0.2	0.49 B	0.18 F♦	0.54 B♦	0.57 F	1.4 B♦					
sulfate	250	1	5.2	5.8	5.7	6.0	6.8	6.9♦					
TDS	500	10	370 J♦	210	240	250	240	220					
TOC	--	1	2.1 J♦	2.0	1.5	2.0♦	1.9	2.2					

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-14														
Date of Collection			**12/15/2004**	**4/4/2005**	**6/22/2005**	**9/9/2005**	**12/19/2005**	**3/15/2006**	**9/15/2006**	**4/3/2007**	**9/26/2007**	**4/2/2008**	**9/18/2008**	**4/21/2009**	**3/30/2010**	**6/16/2011**	**6/26/2012**
Sample ID No.			**LF1M1413EA**	**LF1M1413FA**	**LF1M1413GA**	**LF1M1413HA**	**LF1M1414IA**	**LF1M1414JA**	**LF1M1410LA**	**LF1M1414NA**	**LF1M1413OA**	**LF1M1414PA**	**LF1M1412QA**	**LF1M1412RA**	**LF1M1414SA**	**LF1M1414TA**	**LF1M1411UA**
Depth to Water (ft)			**6.91**	**5.87**	**10.67**	**12.88**	**8.41**	**6.64**	**10.42**	**5.90**	**15.63**	**5.37**	**11.90**	**7.41**	**6.85**	**8.90**	
VOCs (µg/L)																	
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
1,2,3-trichlorobenzene	5	1	U	U	0.28 F	U	U	U	U	U	U	U	U	U	U	NA	NA
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	1.45	NA	NA
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
bromoform	50	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
chloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
methylene chloride	5*	1	U	U	U	U	U	U	U	U	0.250 F	U	U	U	U	NA	NA
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
naphthalene	10	1	U	U	0.21 F	U	U	U	U	U	U	U	U	U	U	NA	NA
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
Total VOCs (µg/L)			**0**	**0**	**0.49**	**0**	**0**	**0**	**0**	**0**	**0.25**	**0**	**0**	**0**	**1.45**	NA	NA
Leachate Indicators (mg/L)																	
alkalinity, Total	--	10	57	52.1	58.2	70.1	52.2	28.7	64	42	76	48	66	54	46	66	68
ammonia	2	0.2	0.071 F	0.024 F	U	0.076	U	U	U	0.012 F	0.11	0.013 F	U	U	U	0.14 F	0.13 B
BOD5	--	2.4	U	U	U	U	U	U	U	U	NA	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	0.52	U	U	U	U	U	U	U	U	U
COD	--	5	U	U	U	8.8 F	18.4	U	7.1 F	8.3 F	120	4.1 F	U	3.7 F	U	U	6.0 J
chloride	250	1	5.5	4.7	8.1	7.6	2.7	1.9	3.4	1.6	6.0	1.4	2.1	0.75 F	4.4	3.0	6.7
color	15	5	NA	**25**	NA	NA	NA	10	NA	NA	NA	U	NA	U	U	U	U
cyanide, Total	200	0.02	NA	U	NA	NA	NA	U	NA	NA	NA	NA	NA	NA	NA	U	U
hardness, Total	--	1	72	58	84	105	88	21.3	76 B	56	80	48	92	50	63	66	84
nitrate	10	1	0.070 F	0.38 F	U	0.83 F	0.1 F	U	0.2 F	0.072 F	0.15	0.43	0.24	0.15	1.3	U	0.98
TKN	1	1	0.23	U	U	0.4	0.065	U	0.3 F	U	**4.3**	U	0.48	0.93	0.19 FB	0.54 F	0.82 JB
sulfate	250	1	10.2	9.9	10.5	10	10.5	9.8	9.8	9.1	9.8	7.8	8.0	7.5	7.9	8.0	8.3
TDS	500	10	107	778	121	140	99	95	98	68	150	67	47	66	74	83	100
TOC	--	1	U	0.76 F	0.45 F	0.84 F	U	0.71 F	0.61 F	0.61 F	3.4	1.3	0.45 F	0.58 F	0.74 F	0.94 F	0.98 J

For notes, please refer to the end of the Table Section.

Table 2-2

Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-1R										
Date of Collection			12/5/2003	4/4/2005	3/15/2006	4/3/2007	4/1/2008	4/21/2009	3/30/2010	6/20/2011	6/26/2012		
Sample ID No.			LF1M01R11AA	LF1M01R11FA	LF1M01R11JA	LF1M01R11NA	LF1M01R11PA	LF1M01R11RA	LF1M01R11SA	LF1M01R11TA	LF1M01R11UA		
Depth to Water (ft)			4.30	3.99	3.14	4.09	3.75	4.15	4.18	4.93	4.62		
VOCs (µg/L)													
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	NA	NA		
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	NA	NA		
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	NA	NA		
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	NA	NA		
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	NA	NA		
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	NA	NA		
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	NA	NA		
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	NA	NA		
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	NA	NA		
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	NA	NA		
acetone	50	10	U	U	U	U	U	U	1.63 F	NA	NA		
benzene	1	0.1	U	U	U	U	U	U	U	NA	NA		
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	NA	NA		
bromoform	50	1	U	U	U	U	U	U	U	NA	NA		
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	NA	NA		
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	NA	NA		
chloroethane	5*	1	U	U	U	U	U	U	U	NA	NA		
chloroform	7	0.3	U	U	U	U	U	U	U	NA	NA		
chloromethane	5*	1	U	U	U	U	U	U	U	NA	NA		
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	NA	NA		
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	NA	NA		
ethylbenzene	5*	1	U	U	U	U	U	U	U	NA	NA		
isopropylbenzene	5*	1	U	U	U	U	U	U	U	NA	NA		
methylene chloride	5*	1	U	U	U	U	U	U	U	NA	NA		
methyl iodide	5*	0.5	U	U	U	U	U	U	U	NA	NA		
n-propylbenzene	5*	1	U	U	U	U	U	U	U	NA	NA		
m,p-xylene	5*	2	U	U	U	U	U	U	U	NA	NA		
naphthalene	10	1	U	U	U	U	U	U	U	NA	NA		
o-xylene	5*	1	U	U	U	U	U	U	U	NA	NA		
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	NA	NA		
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	NA	NA		
tetrachloroethene	5	1	U	U	U	U	U	U	U	NA	NA		
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	NA	NA		
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	NA	NA		
toluene	5*	1	U	U	U	U	U	U	U	NA	NA		
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	NA	NA		
vinyl chloride	2	1	U	U	U	U	U	U	U	NA	NA		
Total VOCs (µg/L)			**0**	**0**	**0**	**0**	**0**	**0**	**1.63**	**NA**	**NA**		
Leachate Indicators (mg/L)													
alkalinity, Total	--	10	43.8 B	44.3	47.3	34	36	30	40	59	41		
ammonia	2	0.2	U	0.076	0.061	0.080	0.037 F	0.07	0.046 F	0.25	0.13 JB		
BOD5	--	2.4	U	U	U	U	U	U	U	U	U		
bromide	2	0.5	U	0.32 F	0.49 F	0.033 F	0.028 F	0.014 F	U	U	U		
COD	--	5	U	19.2	13.2	19 B	20	17	6.5 F	U	37		
chloride	250	1	33 B	40.4	13.7	9.4	7.0	6.3	7.3	10.0	10.0		
color	15	5	**80**	**40**	**80**	NA	**80**	**50**	U	**40**	U		
cyanide, Total	200	0.02	0.034 B	U	U	NA	NA	NA	NA	NA	U		
hardness, Total	--	1	150 B	76	44.8	60	48	44	38	77	74		
nitrate	10	1	U	U	U	U	U	0.021 F	0.013 F	U	U		
TKN	1	1	0.54	U	0.063 F	0.24	0.15 F	0.32	0.30 B	0.53 F	1.2 B		
sulfate	250	1	9.9 B	6.7	7.8	11	9.0	9.9	8.7	8.4	8.3		
TDS	500	10	130 B	147	141	86	75	81	76	110	89		
TOC	--	1	2.1	4.8	4.2	5.1	7.1	8.0	2.6	1.7	5.1		

For notes, please refer to the end of the Table Section.

Table 2-2

Grundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-103												
Date of Collection			3/31/2004	6/28/2004	9/17/2004	12/15/2004	4/5/2005	6/23/2005	9/9/2005	12/22/2005	3/17/2006	9/15/2006	4/4/2007	9/27/2007	4/1/2008
Sample ID No.			LF1M10334BA	Not Sampled	LF1M10335DA	Not Sampled	Not Sampled	LF1M10335GA	LF1M10335HA	LF1M10335IA	Not Sampled	LF1M10314LA	LF1M10333NA	LF1M10335OA	LF1M10331PA
Depth to Water (ft)			33.77	34.37	34.90	34.41	34.41	34.68	34.75	34.50	34.45	33.60	32.93	33.12	30.61
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
1,1-dichloroethane	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
1,2,3-trichlorobenzene	5	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
1,2-dichloroethane	0.6	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
1,2-dichlorobenzene	3	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
1,3,5-trimethylbenzene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
1,3-dichlorobenzene	3	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	NS	U	NS	NS	U	U	U	NS	U	U	0.180 F	U
acetone	50	10	4.9 F	NS	1.5 F	NS	NS	U	U	U	NS	U	U	U	U
benzene	1	0.1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
bromodichloromethane	50	0.5	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
bromoform	50	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
carbon disulfide	1,000	0.5	0.31 F	NS	U	NS	NS	U	U	U	NS	U	U	U	U
chlorobenzene	5*	0.5	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
chloroethane	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
chloroform	7	0.3	4.7 B	NS	0.51 B	NS	NS	U	U	U	NS	U	U	U	U
chloromethane	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
dichlorodifluoromethane	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
ethylbenzene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
isopropylbenzene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
methylene chloride	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
methyl iodide	5*	0.5	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
n-propylbenzene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
m,p-xylene	5*	2	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
naphthalene	10	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
o-xylene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
p-isopropyltoluene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
sec-butylbenzene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
tetrachloroethene	5	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
tert-butylbenzene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
trichloroethene (TCE)	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
toluene	5*	1	0.34 F	NS	U	NS	NS	U	U	U	NS	U	U	U	U
trichlorofluoromethane	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
vinyl chloride	2	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U
Total VOCs (µg/L)			**10.25**	**NS**	**2.01**	**NS**	**NS**	**0**	**0**	**0**	**NS**	**0**	**0**	**0.180**	**0**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	460	300
ammonia	2	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	0.34
BOD5	--	2.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
bromide	2	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.86 F	NA
COD	--	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	22
chloride	250	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	31	NA
color	15	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
cyanide, Total	200	0.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
hardness, Total	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	32	28
nitrate	10	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**220**	NA
TKN	1	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	**1.6**
sulfate	250	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**390**	NA
TDS	500	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**2,400**	NA
TOC	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.2	2.9

For notes, please refer to the end of the Table Section.

Table 2-2

Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-103										
Date of Collection			**9/18/2008**	**4/21/2009**	**3/31/2010**	**6/16/2011**	**6/26/2012**						
Sample ID No.			**LF1M10333QA**	**LF1M10333RA**	**LF1M10317SA**	**LF1M10312TA**	**LF1M10318UA**						
Depth to Water (ft)			**17.51**	**14.10**	**16.60**	**12.31**	**17.61**						
VOCs (µg/L)													
1,1,1-trichloroethane	5*	1	U	U	U	U	U						
1,1-dichloroethane	5*	1	U	U	U	U	U						
1,2,3-trichlorobenzene	5	1	U	U	U	U	U						
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U						
1,2-dichloroethane	0.6	1	U	U	U	U	U						
1,2-dichlorobenzene	3	1	U	U	U	U	U						
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U						
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U						
1,3-dichlorobenzene	3	1	U	U	U	U	U						
1,4-dichlorobenzene	3	0.5	U	U	U	U	U						
acetone	50	10	13.6	18.0	13.5	13	13						
benzene	1	0.1	U	U	U	U	U						
bromodichloromethane	50	0.5	U	U	U	U	U						
bromoform	50	1	U	U	U	U	U						
carbon disulfide	1,000	0.5	U	U	U	U	U						
chlorobenzene	5*	0.5	U	U	U	U	U						
chloroethane	5*	1	U	U	U	U	U						
chloroform	7	0.3	U	U	U	U	U						
chloromethane	5*	1	U	U	U	U	0.33 J						
cis-1,2-dichloroethene	5*	1	U	U	U	U	U						
dichlorodifluoromethane	5*	1	U	U	U	U	U						
ethylbenzene	5*	1	U	U	U	U	U						
isopropylbenzene	5*	1	U	U	U	U	U						
methylene chloride	5*	1	U	U	U	U	U						
methyl iodide	5*	0.5	U	U	U	U	U						
n-propylbenzene	5*	1	U	U	U	U	U						
m,p-xylene	5*	2	U	U	U	U	U						
naphthalene	10	1	U	U	U	U	U						
o-xylene	5*	1	U	U	U	U	U						
p-isopropyltoluene	5*	1	U	U	U	U	U						
sec-butylbenzene	5*	1	U	U	U	U	U						
tetrachloroethene	5	1	U	U	U	U	U						
tert-butylbenzene	5*	1	U	U	U	U	U						
trichloroethene (TCE)	5*	1	U	U	U	U	U						
toluene	5*	1	U	U	U	U	U						
trichlorofluoromethane	5*	1	U	U	U	U	U						
vinyl chloride	2	1	U	U	U	U	U						
Total VOCs (µg/L)			**13.60**	**18.0**	**13.5**	**13**	**13.33**						
Leachate Indicators (mg/L)													
alkalinity, Total	--	10	310	350	460	U	390						
ammonia	2	0.2	NS	**21**	**25**	**25**	U						
BOD5	--	2.4	NS	NA	NA	U	U						
bromide	2	0.5	NS	0.12	0.10	U	0.12 J						
COD	--	5	NS	37	12	U	U						
chloride	250	1	NA	4.9	4.3 B	U	5.2						
color	15	5	NA	10	U	U	U						
cyanide, Total	200	0.02	NA	NA	NA	NA	U						
hardness, Total	--	1	32	18	32 B	23	U						
nitrate	10	1	NS	5.9	2.1 B	U	1.0						
TKN	1	1	NS	**21**	**30**	**22**	U						
sulfate	250	1	NS	27	18 B	U	14.0						
TDS	500	10	NS	440	420	U	370						
TOC	--	1	NS	4.2	2.9	2.4	U						

For notes, please refer to the end of the Table Section.

Table 2-2

Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1P-2												
Date of Collection			**12/22/2005**	**3/16/2006**	**6/19/2006**	**9/14/2006**	**12/18/2006**	**4/4/2007**	**9/26/2007**	**4/1/2008**	**9/18/2008**	**4/21/2009**	**3/30/2010**	**6/15/2011**	**6/21/2012**
Sample ID No.			**LF1P0213IA**	**LF1P0213JA**	**LF1P0213KA**	**LF1P0213LA**	**LF1P0213MA**	**LF1P0213NA**	**LF1P0213OA**	**LF1P0213PA**	**LF1P0213QA**	**LF1P0213RA**	**LF1P0213SA**	**LF1P0213TA**	**LF1P0213UA**
Depth to Water (ft)			**5.77**	**4.96**	**5.82**	**5.89**	**5.28**	**4.77**	**6.25**	**4.15**	**6.05**	**5.02**	**4.78**	**4.8**	**5.51**
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	0.2 F	0.220 F	0.130 F	0.140 F	U	U	U	0.120 F	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	0.16 J	U
1,2-dichlorobenzene	3	1	U	U	U	0.19 F	0.290 F	0.250 F	0.350 F	0.250 F	0.370 F	0.220 F	0.500 F	0.43 J	0.33 J
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	UJ	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	1.3	1.1	1.2	1.72	2.21	1.87	2.04	1.70	2.30	1.38	2.70	2.50	1.60
acetone	50	10	U	U	U	2.86 F	U	U	U	U	U	U	U	U	U
benzene	1	0.1	0.78	0.77	0.76	0.95	**1.01**	0.670	0.700	0.550	0.730	0.540	0.800	0.68 J	0.45 J
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	1.7	1.4	1.6	2.04	2.27	1.92	2.05	1.43	1.86	1.45	2.21	2.0	1.1
chloroethane	5*	1	U	U	0.25 F	0.2 F	0.300 F	0.220 F	U	U	U	U	0.340 F	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	0.120 F	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	0.35 F	0.26 F	U	U	0.240 F	0.140 F	U	U	U	U	U	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	0.13 F	U	0.100 F	U	U	U	U	U	U	U
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	0.28 J	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	0.120 F	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	0.190 F	U	U	0.110 F	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	0.45 F	0.52 F	0.56 F	0.57 F	0.550 F	0.380 F	U	U	U	U	U	0.41 J	U
Total VOCs (µg/L)			**4.23**	**4.14**	**4.63**	**8.86**	**7.16**	**5.78**	**3.38**	**2.34**	**5.26**	**3.59**	**6.79**	**6.46**	**2.38**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	389	418	446	450	460	440	440	450	440	430	480	440	430
ammonia	2	0.2	1.5	1.3	1.2	**2.4**	**2.6**	**2.4**	**2.2**	**2.1**	**2.2**	2.0	1.7	1.6	0.74
BOD5	--	2.4	2.1	U	4.6	11	6.0	13.0	8.1	U	6.0	3.5	U	5.0	4.8 J
bromide	2	0.5	0.28 F	0.49 F	0.11 F	0.18 F	0.12	0.10	0.13	0.085 F	0.14	0.12	0.13	0.14 J	0.11 J
COD	--	5	7.3 F	U	26.7 B	16	14 B	13 B	8.5 F	8.5 F	3.7 F	6.0 F	14	7.3 J	6.3 J
chloride	250	1	7.4	9.5	11.5	15	11	8.7	12	6.7	11	9	12	20	5.2
color	15	5	NA	**140**	NA	NA	NA	NA	NA	**60**	NA	**40**	U	**40**	**25**
cyanide, Total	200	0.02	NA	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	U
hardness, Total	--	1	430 B	314	438	460	430	470	390	430	480	440	460	420	380
nitrate	10	1	0.07 F	U	0.03 F	0.039 F	0.030 F	U	0.065 F	0.054 F	U	0.085 F	0.086 F	U	0.087 J
TKN	1	1	**2.2**	**2.1**	**1.9**	**2.4**	**2.7**	**2.4**	**2.1**	**2.1**	**2.3**	**2.1**	**2.1**	**1.9 J**	**1.7 B**
sulfate	250	1	5.8	3.8	5.2	3.9	3.5	3.3 B	1.8	1.8	0.97 F	0.72 F	0.22 F	0.93 J	U
TDS	500	10	380	456	471	490	500	490	480	460	340	470	460	460	410
TOC	--	1	U	1.7	2.7	2.8	3.0	2.4	3.7	2.3	2.2	3.1	2.3	2.3	2.0

For notes, please refer to the end of the Table Section.

Table 2-2

Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1P-3												
Date of Collection			12/8/2003	3/30/2004	6/28/2004	9/16/2004	12/15/2004	4/4/2005	6/22/2005	9/9/2005	12/22/2005	3/17/2006	9/13/2006	4/4/2007	9/26/2007
Sample ID No.			LF1P0317AA	LF1P0303BA	LF1P0317CA	LF1P0317DA	LF1P0317EA	LF1P0317FA	LF1P0317GA	LF1P0317HA	LF1P0317IA	LF1P0317JA	LF1P0317LA	LF1P0317NA	LF1P0317OA
Depth to Water (ft)			3.76	3.20	3.54	3.79	3.75	3.33	4.01	5.37	4.53	3.35	4.35	2.85	5.17
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	0.11 F	U	U
acetone	50	10	1.3 F	U	2.9 F	U	U	U	U	U	U	U	1 F	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	0.25 F	U	2.1	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	0.24 F	U	U
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	0.26 F	U	0.26 F	0.33 F	0.27 F	0.34 F	0.44 F	0.5 F	U	0.3 F	0.13 F	U	0.240 F
Total VOCs (µg/L)			**1.56**	**0**	**3.16**	**0.33**	**0.27**	**0.34**	**0.69**	**0.5**	**2.1**	**0.3**	**1.86**	**0**	**0.240**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	338	335	301	347	347	354	471	347	334	342	350	340	330
ammonia	2	0.2	0.29	0.27	0.32	0.35	0.34	0.36	6	0.41	0.3	0.3 B	0.36	0.41	0.40
BOD5	--	2.4	U	2.4	U	U	U	U	U	U	U	2.3	4.9	U	2.2
bromide	2	0.5	U	U	U	U	U	U	U	U	0.23 F	0.52	0.085 F	0.089 F	0.10
COD	--	5	U	U	U	U	U	U	50.1	12	13.9 B	U	5 F	8.3 F	U
chloride	250	1	10.8	10.5	12	11.9	10.8	12.2	12.1	11.6	12.2	11.4	11	11	10
color	15	5	2.5	NA	NA	NA	NA	5	NA	NA	NA	U	NA	NA	NA
cyanide, Total	200	0.02	0.085 J	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA
hardness, Total	--	1	770	320	324	350	352	328	332	582	340 B	222	330	360	260
nitrate	10	1	U	U	U	U	U	U	U	U	U	U	0.023 F	0.038 F	0.020 F
TKN	1	1	0.39	0.31	0.36	0.35 B	0.4	0.4	**6.4**	0.77	0.73	**4**	0.3 F	0.38	0.52
sulfate	250	1	22.3	19.9	24.7	18.2	16.8	17.8	14.1	11.9	11.4	10.3	8.8	8.2 B	8.3
TDS	500	10	385	384	371	378	400	384	385	386	351	366	370	360	380
TOC	--	1	U	0.8 F	U	U	U	0.72 F	0.53 F	0.95 F	U	U	U	U	1.3

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1P-3										
Date of Collection			4/2/2008	9/18/2008	4/21/2009	3/31/2010	6/15/2011	6/21/2012					
Sample ID No.			LF1P0317PA	LF1P0317QA	LF1P0317RA	LF1P0317SA	LF1P0317TA	LF1P0317UA					
Depth to Water (ft)			2.68	4.67	3.13	3.78	2.65	3.89					
VOCs (µg/L)													
1,1,1-trichloroethane	5*	1	U	U	U	U	NA	NA					
1,1-dichloroethane	5*	1	U	U	U	U	NA	NA					
1,2,3-trichlorobenzene	5	1	U	U	U	U	NA	NA					
1,2,4-trimethylbenzene	5*	1	U	U	U	U	NA	NA					
1,2-dichloroethane	0.6	1	U	U	U	U	NA	NA					
1,2-dichlorobenzene	3	1	U	U	U	U	NA	NA					
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	NA	NA					
1,3,5-trimethylbenzene	5*	1	U	U	U	U	NA	NA					
1,3-dichlorobenzene	3	1	U	U	U	U	NA	NA					
1,4-dichlorobenzene	3	0.5	U	U	U	U	NA	NA					
acetone	50	10	U	U	U	U	NA	NA					
benzene	1	0.1	U	U	U	U	NA	NA					
bromodichloromethane	50	0.5	U	U	U	U	NA	NA					
bromoform	50	1	U	U	U	U	NA	NA					
carbon disulfide	1,000	0.5	U	U	U	U	NA	NA					
chlorobenzene	5*	0.5	U	U	U	U	NA	NA					
chloroethane	5*	1	U	U	U	U	NA	NA					
chloroform	7	0.3	U	U	U	U	NA	NA					
chloromethane	5*	1	U	U	U	U	NA	NA					
cis-1,2-dichloroethene	5*	1	U	U	U	U	NA	NA					
dichlorodifluoromethane	5*	1	U	U	U	U	NA	NA					
ethylbenzene	5*	1	U	U	U	U	NA	NA					
isopropylbenzene	5*	1	U	U	U	U	NA	NA					
methylene chloride	5*	1	U	U	U	U	NA	NA					
methyl iodide	5*	0.5	U	U	U	U	NA	NA					
n-propylbenzene	5*	1	U	U	U	U	NA	NA					
m,p-xylene	5*	2	U	U	U	U	NA	NA					
naphthalene	10	1	U	U	U	U	NA	NA					
o-xylene	5*	1	U	U	U	U	NA	NA					
p-isopropyltoluene	5*	1	U	U	U	U	NA	NA					
sec-butylbenzene	5*	1	U	U	U	U	NA	NA					
tetrachloroethene	5	1	U	U	U	U	NA	NA					
tert-butylbenzene	5*	1	U	U	U	U	NA	NA					
trichloroethene (TCE)	5*	1	U	U	U	U	NA	NA					
toluene	5*	1	U	U	U	U	NA	NA					
trichlorofluoromethane	5*	1	U	U	U	U	NA	NA					
vinyl chloride	2	1	U	U	U	U	NA	NA					
Total VOCs (µg/L)			**0**	**0**	**0**	**0**	NA	NA					
Leachate Indicators (mg/L)													
alkalinity, Total	--	10	350	350	340	360 B	240	370					
ammonia	2	0.2	0.38	0.42	0.42	0.36 B	0.57	0.32 B					
BOD5	--	2.4	U	U	U	U	3.4	3.0					
bromide	2	0.5	0.092 F	0.10	0.12	0.093 F	0.12 F	0.15 J					
COD	--	5	8.5 F	U	8.2 F	U	U	U					
chloride	250	1	11	9.5	10.0	9.1 B	10.0	9.7					
color	15	5	U	NA	U	U	U	U					
cyanide, Total	200	0.02	NA	NA	NA	NA	U	U					
hardness, Total	--	1	320	330	320	340 B	290	320					
nitrate	10	1	0.041 F	U	U	U	U	0.042 J					
TKN	1	1	0.33	0.55	0.39	0.75	0.68 F	1.1 B					
sulfate	250	1	9.4	8.1	7.2	4.5 B	2.7 J	2.0 J					
TDS	500	10	**510**	380	380	370	360	370					
TOC	--	1	U	U	0.60 F	U	0.44 F	0.48 J					

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1P-5												
Date of Collection			12/5/2003	3/30/2004	6/28/2004	9/16/2004	12/14/2004	4/1/2005	6/22/2005	9/9/2005	12/21/2005	3/17/2006	9/15/2006	4/4/2007	9/27/2007
Sample ID No.			LF1P0525AA	LF1P0525BA	LF1P0525CA	LF1P0525DA	LF1P0525EA	LF1P0525FA	LF1P0525GA	LF1P0525HA	LF1P0525IA	LF1P0525JA	LF1P0525LA	LF1P0525NA	LF1P0525OA
Depth to Water (ft)			**4.20**	**3.57**	**4.91**	**4.39**	**4.05**	**4.02**	**5.93**	**6.98**	**5.03**	**4.37**	**5.16**	**3.53**	**6.38**
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	316 B	365	354	304	262	249	407	394	289	348	350	270	350
ammonia	2	0.2	0.64	0.45	0.55	0.66	0.54	0.16	0.44	0.58	0.61 B	0.56 B	0.7	0.28	0.71
BOD5	--	2.4	5.9	5	2.6	3.6	U	U	2.5	5.7	U	U	9.8	U	4.5
bromide	2	0.5	U	0.19 F	U	U	0.2 F	U	U	U	0.4 F	0.3 F	0.11 F	0.070 F	0.11
COD	--	5	U	U	U	10.9	U	U	U	19.1	20.7	U	11	13 B	4.1 F
chloride	250	1	11.2	13.2	16.6	11.1	9.1	11.1	15	14.8	10.9	11.3	11	9.5	11
color	15	5	**100**	NA	NA	NA	NA	**35**	NA	NA	NA	**160**	NA	NA	NA
cyanide, Total	200	0.02	U	NA	NA	NA	NA	U	NA	NA	NA	0.017 F	NA	NA	NA
hardness, Total	--	1	340 B	328	376	310	200	228	364	680	300	228	340	260	310
nitrate	10	1	U	U	U	U	0.04 F	U	U	U	0.07 F	U	0.014 F	U	0.020 F
TKN	1	1	1	0.71	0.65	0.98 B	0.63 B	0.26	0.9	**1.2**	**2.7**	**2.2**	0.69	0.34	0.7
sulfate	250	1	U	U	U	U	2	3.2	U	U	0.41 F	U	U	1.9 B	U
TDS	500	10	320 B	382	423	323	284	259	413	430	295	331	390	280	380
TOC	--	1	1.9	1.8	U	1.7	2.1	U	1.7	1.8	1.1	1.4	1.5	1.5	2.7

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1P-5										
Date of Collection			4/2/2008	9/18/2008	4/20/2009	3/31/2010	6/16/2011	6/25/2012					
Sample ID No.			LF1P0525PA	LF1P0525QA	LF1P0525RA	LF1P0525SA	LF1P0525TA	LF1P0525TA					
Depth to Water (ft)			3.45	6.17	4.28	3.90	4.84	4.99					
VOCs (µg/L)													
1,1,1-trichloroethane	5*	1	U	U	U	U	NA	NA					
1,1-dichloroethane	5*	1	U	U	U	U	NA	NA					
1,2,3-trichlorobenzene	5	1	U	U	U	U	NA	NA					
1,2,4-trimethylbenzene	5*	1	U	U	U	U	NA	NA					
1,2-dichloroethane	0.6	1	U	U	U	U	NA	NA					
1,2-dichlorobenzene	3	1	U	U	U	U	NA	NA					
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	NA	NA					
1,3,5-trimethylbenzene	5*	1	U	U	U	U	NA	NA					
1,3-dichlorobenzene	3	1	U	U	U	U	NA	NA					
1,4-dichlorobenzene	3	0.5	U	U	U	U	NA	NA					
acetone	50	10	U	U	U	U	NA	NA					
benzene	1	0.1	U	U	U	U	NA	NA					
bromodichloromethane	50	0.5	U	U	U	U	NA	NA					
bromoform	50	1	U	U	U	U	NA	NA					
carbon disulfide	1,000	0.5	U	U	U	U	NA	NA					
chlorobenzene	5*	0.5	U	U	U	U	NA	NA					
chloroethane	5*	1	U	U	U	U	NA	NA					
chloroform	7	0.3	U	U	U	U	NA	NA					
chloromethane	5*	1	U	U	U	U	NA	NA					
cis-1,2-dichloroethene	5*	1	U	U	U	U	NA	NA					
dichlorodifluoromethane	5*	1	U	U	U	U	NA	NA					
ethylbenzene	5*	1	U	U	U	U	NA	NA					
isopropylbenzene	5*	1	U	U	U	U	NA	NA					
methylene chloride	5*	1	U	U	U	U	NA	NA					
methyl iodide	5*	0.5	U	U	U	U	NA	NA					
n-propylbenzene	5*	1	U	U	U	U	NA	NA					
m,p-xylene	5*	2	U	U	U	U	NA	NA					
naphthalene	10	1	U	U	U	U	NA	NA					
o-xylene	5*	1	U	U	U	U	NA	NA					
p-isopropyltoluene	5*	1	U	U	U	U	NA	NA					
sec-butylbenzene	5*	1	U	U	U	U	NA	NA					
tetrachloroethene	5	1	U	U	U	U	NA	NA					
tert-butylbenzene	5*	1	U	U	U	U	NA	NA					
trichloroethene (TCE)	5*	1	U	U	U	U	NA	NA					
toluene	5*	1	U	U	U	U	NA	NA					
trichlorofluoromethane	5*	1	U	U	U	U	NA	NA					
vinyl chloride	2	1	U	U	U	U	NA	NA					
Total VOCs (µg/L)			**0**	**0**	**0**	**0**	NA	NA					
Leachate Indicators (mg/L)													
alkalinity, Total	--	10	310	370	330	290 B	350	310					
ammonia	2	0.2	0.42	0.71	0.29	0.13 B	0.40	0.21 B					
BOD5	--	2.4	U	3.9	U	U	3.1	U					
bromide	2	0.5	0.093 F	0.12	0.11	0.087 F	0.11 F	0.14 J					
COD	--	5	6.3 F	U	6.0 F	U	5.0 F	U					
chloride	250	1	9.3	11	9.9	8.8 B	8.4	8.7					
color	15	5	15	NA	U	U	25	U					
cyanide, Total	200	0.02	NA	NA	NA	NA	NA	U					
hardness, Total	--	1	290	370	320	290 B	280	260					
nitrate	10	1	0.18	U	0.21 F	0.27 BF	0.12 F	0.068 J					
TKN	1	1	0.41	0.83	0.35	0.38	0.60 F	1.0					
sulfate	250	1	0.53 F	U	U	0.50 BF	0.41 F	U					
TDS	500	10	270	390	280	300	320	320					
TOC	--	1	1.5	1.3	1.10	1.4	1.9	U					

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	MWSAR03												
Date of Collection			12/8/2003	3/30/2004	6/28/2004	9/17/2004	12/15/2004	4/4/2005	6/23/2005	9/8/2005	12/22/2005	3/16/2006	6/19/2006	9/15/2006	12/18/2006
Sample ID No.			MWSAR0324AA	MWSAR0324BA	MWSAR0324CA	MWSAR0324DA	MWSAR0324EA	MWSAR0324FA	MWSAR0321GA	MWSAR0324HA	MWSAR0324IA	MWSAR0324JA	MWSAR0321KA	MWSAR0321LA	MWSAR0321MA
Depth to Water (ft)			18.45	16.65	19.07	19.19	17.71	16.65	20.59	22.61	20.45	17.61	20.75	20.83	18.30
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	UJ
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	0.46 F	0.25 F	1.4	1.2	U	0.3 F	0.95	2.6	2.2	U	1.7	2.06	0.590
acetone	50	10	1.3 F	U	1.4 F	U	U	U	1.6 F	U	4.8 F	U	U	1.46 F	U
benzene	1	0.1	U	U	0.35 F	0.51	U	U	0.41 F	0.48 F	0.37 F	U	0.59	0.62	0.380 F
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	0.19 F	0.210 F
chloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	0.15 F	0.140 F
dichlorodifluoromethane	5*	1	U	U	U	0.34 F	U	U	0.43 F	U	U	U	0.2 F	U	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	0.25 F	U	U	U	U	U	U	U	0.110 F
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	0.46 F	U	0.73 F	**2.2**	U	0.26 F	**4.5**	0.47 F	0.48 F	U	1	1.48	U
Total VOCs (µg/L)			**2.22**	**0.25**	**3.88**	**4.25**	**0.25**	**0.56**	**7.89**	**3.55**	**7.85**	**0**	**3.49**	**5.96**	**1.43**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	165	206	102	77.3	424	308	111	209	148 B	273	74.7	140	170
ammonia	2	0.2	U	U	0.22	0.23	0.015 F	0.11	0.33	0.42	0.37	0.0093 F	0.25	0.56	0.14
BOD5	--	2.4	U	U	4	4.9	U	U	3.1	3.5	7.9	U	9.2	14	6.6
bromide	2	0.5	U	U	U	U	U	U	U	U	0.34 F	U	U	0.021 F	0.027 F
COD	--	5	U	11.4	U	U	U	U	12.7	16.2	12.9 B	U	40 B	16	14 B
chloride	250	1	8.8	6.6	7	8.5	2.3	2.4	U	5.9	8.9	4.3	5.3	5.8	5.0
color	15	5	**25**	NA	NA	NA	NA	50	U	NA	NA	**20**	NA	NA	NA
cyanide, Total	200	0.02	U	NA	NA	NA	NA	U	U	NA	NA	U	NA	NA	NA
hardness, Total	--	1	310	256	88	90	400	302	140	400	90 B	316	420	170 B	170
nitrate	10	1	U	0.79 F	0.23	0.52 F	0.89 F	2.2	U	U	0.09 F	2.3	U	U	0.13
TKN	1	1	U	0.1 F	0.49	0.29	0.28	0.13 F	0.73 B	1	**1.1**	0.19 F	0	0.49	0.14 F
sulfate	250	1	16.8	24.7	11.3	15.1	18.1	21	U	6.1	14.2	21.3	17.9	9.9	12
TDS	500	10	209	244	150	115	473	356	117	114	145	304	193	140	220
TOC	--	1	1.4	1.3	U	0.81 F	1.4	1.3	1.2	1.7 B	1.4	1.3	U	1.1	1.2

For notes, please refer to the end of the Table Section.

Table 2-2

Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	MWSAR03										
Date of Collection			4/3/2007	9/26/2007	4/1/2008	9/18/2008	4/21/2009	3/30/2010	6/20/2011	6/26/2012			
Sample ID No.			MWSAR0324NA	MWSAR0324OA	MWSAR0324PA	MWSAR0324QA	MWSAR0324RA	MWSAR0324SA	MWSAR0324TA	MWSAR0324UA			
Depth to Water (ft)			15.17	21.69	16.17	21.00	17.86	19.04	17.35	20.31			
VOCs (µg/L)													
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U			
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U			
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U			
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U			
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U			
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U			
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U			
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U			
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	0.24 F	U			
1,4-dichlorobenzene	3	0.5	U	2.05	0.380 F	0.620	U	1.81	U	0.73 J			
acetone	50	10	U	U	U	U	U	1.52 F	U	U			
benzene	1	0.1	U	0.350 F	U	0.550	0.350 F	0.410 F	0.50 F	0.34 J			
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U			
bromoform	50	1	U	U	U	U	U	U	U	U			
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U			
chlorobenzene	5*	0.5	U	0.250 F	U	U	U	0.310 F	U	U			
chloroethane	5*	1	U	U	U	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U	U	U	U			
chloromethane	5*	1	U	U	U	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1	U	U	U	U	0.120 F	U	0.17	U			
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U			
ethylbenzene	5*	1	U	U	U	U	U	U	U	U			
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U			
methylene chloride	5*	1	0.120 F	0.210 F	U	U	U	U	U	U			
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U			
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U			
m,p-xylene	5*	2	U	U	U	U	U	U	U	U			
naphthalene	10	1	U	U	U	U	U	U	U	U			
o-xylene	5*	1	U	U	U	U	U	U	U	U			
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U			
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U			
tetrachloroethene	5	1	U	U	U	U	U	U	U	U			
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U			
trichloroethene (TCE)	5*	1	0.130 F	U	U	U	U	U	U	U			
toluene	5*	1	U	U	U	U	U	U	U	U			
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U			
vinyl chloride	2	1	U	U	U	1.55	U	0.830 F	U	6.0			
Total VOCs (µg/L)			**0.25**	**2.86**	**0.38**	**2.72**	**0.47**	**4.88**	**0.91**	**7.08**			
Leachate Indicators (mg/L)													
alkalinity, Total	--	10	210	140	250	120	160	180	130	80			
ammonia	2	0.2	0.019 F	0.40	0.09	0.49	0.035 F	0.24	0.22	0.22 B			
BOD5	--	2.4	U	U	U	6.7	3.5	13	3.0	2.8			
bromide	2	0.5	U	0.039 F	0.047 F	0.029 F	0.034 F	U	U	U			
COD	--	5	8.3 F	28	11	26	6.0 F	20	5.3 F	9.0 J			
chloride	250	1	2.1	4.8	3.5	3.7	3.4	4.9	4.2	6.6			
color	15	5	NA	NA	35	NA	U	U	15	**U**			
cyanide, Total	200	0.02	NA	NA	NA	NA	NA	NA	NA	U			
hardness, Total	--	1	220	40	260	150	160	68	120	81			
nitrate	10	1	2.7	U	0.14	U	U	0.13 F	U	U			
TKN	1	1	0.094 F	0.5	0.063 F	0.84	U	0.40 B	0.40 F	0.84 J			
sulfate	250	1	9.0	4.0	6.1	3.9	1.8	4.2	1.3 F	0.40 J			
TDS	500	10	250	240	270	120	200	180	150	120			
TOC	--	1	0.75 F	1.6	0.97 F	0.69 F	1.10	1.1	1.3	1.4			

For notes, please refer to the end of the Table Section.

Table 2-2

Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF1SW-1											
Date of Collection			12/9/2003	3/30/2004	6/25/2004	9/17/2004	12/15/2004	4/1/2005	6/22/2005	9/8/2005	12/20/2005	3/16/2006	9/15/2006	4/3/2007
Sample ID No.			LF1SW0101AA	LF1SW0101BA	LF1SW0101CA	LF1SW0101DA	LF1SW0101EA	LF1SW0101FA	LF1SW0101GA	LF1SW0101HA	LF1SW0101IA	LF1SW0101JA	LF1SW0101LA	LF1SW0101NA
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface
VOCs (µg/L)														
1,1-dichloroethane	5	1	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	0.41 F	U	U	U	0.34 F	U
benzene	1	0.1	U	U	U	U	U	U	0.30 F	U	U	U	0.12 F	U
chlorobenzene	5	0.5	U	U	U	U	U	U	1.6	U	U	U	0.84	U
dichlorodifluoromethane	5**	1	U	U	U	U	U	U	0.68 F	U	U	U	U	U
methylene chloride	5	1	U	U	U	U	U	U	U	1.2	U	U	0.1 F	U
toluene	5	1	U	U	U	U	U	U	0.84 F	U	U	U	0.11 F	U
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	48.3	17.5	49.3	57.9	95.3	130	370	428	213	154	280	120
ammonia	2	0.2	U	U	0.0099 F	0.14	U	0.032 F	0.28	0.023 F	0.13	0.034 F	0.25	0.016 F
BOD5	--	2.4	U	U	U	U	U	U	8.8	3.6	U	U	6.6	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	0.031 F	U
COD	--	5	U	13.1	U	10.5 B	U	U	27.2	24.5	U	U	14	6.1 F
chloride	250	1	9.5	7.9	13	11.9	15.5	9.1	5	5.8	5.5	8.6	4	27
color	15	5	5	NA	NA	NA	NA	7.5	NA	NA	NA	**20**	NA	NA
hardness, Total	--	1	210	U	72	90	124	136	400	500	280	129	280	140
nitrate	10	1	U	0.77 F	1	1.1	2.5	1.2	U	U	U	0.71 F	0.013 F	1.9
TKN	1	1	U	0.3	0.32	0.38	0.21	0.13 F	**6.6**	1	**2.2**	U	**1.1**	0.091 F
sulfate	250	1	9.5	7.2	13.3	12	8.6	7.5	4	9.4	10.4	9.2	6.9	9.3
TDS	500	10	111	55	120	87	173	156	432	449	237	220	240	190
TOC	--	1	1.1	1.7	U	1.5	0.72 F	1.1	6.8	6.9 B	0.69 F	0.84 F	2.8	0.94 F

For notes, please refer to the end of the tables section.

Table 2-2

Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF1SW-1									
Date of Collection			9/26/2007	4/2/2008	9/18/2008	4/20/2009	3/31/2010	6/15/2011	6/26/2012			
Sample ID No.			LF1SW0101OA	LF1SW0101PA	LF1SW0101QA	LF1SW0101RA	LF1SW0101SA	LF1SW0101TA	LF1SW0101UA			
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface			
VOCs (µg/L)												
1,1-dichloroethane	5	1	U	U	0.310 F	U	U	U	U			
1,2,4-Trimethylbenzene	5	1	U	U	U	U	U	U	U			
1,2-dichlorobenzene	3	1	0.120 F	U	U	U	U	U	U			
1,4-dichlorobenzene	3	0.5	0.69	U	0.310 F	U	U	U	U			
benzene	1	0.1	0.120 F	U	0.690	U	U	U	U			
chlorobenzene	5	0.5	U	U	1.05	U	U	NA	NA			
dichlorodifluoromethane	5**	1	U	U	U	U	U	U	U			
methylene chloride	5	1	U	U	U	U	U	U	U			
toluene	5	1	0.420 F	U	1.31	U	U	U	0.29 J			
Leachate Indicators (mg/L)												
alkalinity, Total	--	10	400	110	640	44	24 B	150	240			
ammonia	2	0.2	1.9	0.23	0.022 F	U	0.057 B	0.12	0.063 JB			
BOD5	--	2.4	110 J	U	15	U	U	U	2.0 J			
bromide	2	0.5	0.20	U	0.075 F	0.015 F	U	U	U			
COD	--	5	150	U	31	6.0 F	U	U	U			
chloride	250	1	8.4	26	4.8	12	7.4 B	3.9	3.6			
color	15	5	NA	U	NA	U	U	U	U			
hardness, Total	--	1	36	130	600	56	31 B	140	250			
nitrate	10	1	0.016 F	0.92	U	0.78	0.24 B	0.094 F	U			
TKN	1	1	**11**	0.22	0.57	0.11 F	0.29	0.40 F	0.80 JB			
sulfate	250	1	3.8	8.9	1.6	10	6.6 B	3.5 F	3.0 J			
TDS	500	10	130	170	**700**	110	90	160	240			
TOC	--	1	16	1.1	3.2	1.2	3.2	0.92 F	1.3			

For notes, please refer to the end of the tables section.

Table 2-2

Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF1SW-2	LF1SW-2SMC										
Date of Collection			12/9/2003	4/29/2004	6/29/2004	9/20/2004	12/17/2004	4/1/2005	6/22/2005	9/9/2005	12/20/2005	3/17/2006	9/15/2006	4/3/2007
Sample ID No.			LF1SW0201AA	LF1SW02SMC01BA	LF1SW02SMC01CA	LF1SW02SMC01DA	LF1SW02SMC01EA	LF1SW02SMC01FA	LF1SW02SMC01GA	LF1SW02SMC01HA	LF1SW02SMC01IA	LF1SW02SMC01JA	LF1SW02SMC01LA	LF1SW02SMC01NA
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface
VOCs (µg/L)														
1,1-dichloroethane	5	1	U	U	U	U	U	U	U	U	U	U	0.12 F	U
1,2,4-Trimethylbenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	0.27 F	U	U	0.24 F	0.48 F	U	U	U	0.39 F	U
1,4-dichlorobenzene	3	0.5	0.84	0.40 F	1.3	0.27 F	0.94	1.3	2.7	1.4	1.4	1.2	2.61	0.480 F
benzene	1	0.1	0.21 F	U	0.27 F	U	U	0.23 F	0.30 F	U	U	U	0.2 F	U
chlorobenzene	5	0.5	0.79	0.42 F	1.2	0.27 F	0.96	1.2	1.6	0.59	1.1	1.1	1.07	0.380 F
dichlorodifluoromethane	5**	1	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5	1	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5	1	U	U	U	U	U	U	U	U	U	U	U	U
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	110	63	153	59.8	150	217	406	414	318	245	410	150
ammonia	2	0.2	0.24	0.15	0.63	0.11	0.49	0.8	2	**2.1**	1.1	0.67 B	2	0.24
BOD5	--	2.4	U	U	1.5 F	U	U	U	U	U	U	U	3.4	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	0.13 F	0.024 F
COD	--	5	U	U	16.4 J	U	U	U	4 F	6.6 F	3.1 F	U	11	8.3 F
chloride	250	1	9.6	11.7	13.1	9.2	9	7.7	10.2	11.7	7.9	8.2	11	24
color	15	5	**60**	**20**	**40**	**20**	**50**	**100**	NA	NA	NA	**100**	NA	NA
hardness, Total	--	1	124	80	180	200	156	208	388	460	350	219	1,000	170
nitrate	10	1	U	0.76 F	0.74 F	0.68 F	1.1	0.56 F	U	0.03 F	U	0.38 F	0.014 F	1.7
TKN	1	1	U	0.31 B	0.84	0.36	0.56	0.98	**3.1**	**3**	**3.3**	**1.2**	**2.8**	0.34
sulfate	250	1	9.3	8.9	11.7	10	7.6	6.6	4	3	8.1	8.4	4.1	8.5 B
TDS	500	10	167	120	202	100	204	237	452	443	357	266	430	230
TOC	--	1	19.3	U	U	2	1.9	2.4	3.4	3.5	1.9	1.4	3.7	1.2

For notes, please refer to the end of the tables section.

Table 2-2

Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF1SW-2SMC									
Date of Collection			9/26/2007	4/2/2008	9/18/2008	4/20/2009	3/31/2010	6/16/2011	6/26/2012			
Sample ID No.			LF1SW02SMC01OA	LF1SW02SMC01PA	LF1SW02SMC01QA	LF1SW02SMC01RA	LF1SW02SMC01SA	LF1SW02SMC01TA	LF1SW02SMC01UA			
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface			
VOCs (µg/L)												
1,1-dichloroethane	5	1	U	U	U	U	U	U	U			
1,2,4-Trimethylbenzene	5	1	U	U	U	U	U	U	0.19 J			
1,2-dichlorobenzene	3	1	0.260 F	U	0.480 F	U	U	U	0.55 J			
1,4-dichlorobenzene	3	0.5	2.03	0.490 F	2.89	U	U	U	2.7			
benzene	1	0.1	0.180 F	U	0.240 F	U	U	U	0.42 J			
chlorobenzene	5	0.5	0.930	0.310 F	1.280	U	U	NA	0.34 J			
dichlorodifluoromethane	5**	1	U	U	U	U	U	U	U			
methylene chloride	5	1	U	U	U	U	U	U	1.8 J			
toluene	5	1	0.310 F	U	0.120 F	U	U	U	0.34 J			
Leachate Indicators (mg/L)												
alkalinity, Total	--	10	450	140	450	64	28 B	260	390			
ammonia	2	0.2	1.8	0.28	1.9	0.074	0.037 BF	0.41	0.62			
BOD5	--	2.4	4.7	U	3.0	U	U	2.7	4.3			
bromide	2	0.5	0.14	U	0.16	0.018 F	U	U	0.13 J			
COD	--	5	22	4.1 F	37	10	U	5.3 F	10 J			
chloride	250	1	13	22	13	11	7.3 B	3.1	7.9			
color	15	5	NA	10	NA	10	5	**25**	U			
hardness, Total	--	1	400	160	440	74	35 B	270	360			
nitrate	10	1	0.016 F	0.76	U	0.68	0.23 B	0.053 F	U			
TKN	1	1	**2.1**	0.30	**2.70**	0.15 F	0.37	0.67 F	**1.7 B**			
sulfate	250	1	1.2	8.2	0.89 F	10	6.4 B	1.2 F	0.54 J			
TDS	500	10	460	200	450	120	86	270	400			
TOC	--	1	4.6	1.7	3.6	1.5	3.4	3.4	2.8			

For notes, please refer to the end of the tables section.

Table 2-2

Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF1SW-3											
Date of Collection			12/9/2003	3/30/2004	6/25/2004	9/17/2004	12/15/2004	4/1/2005	6/22/2005	9/8/2005	12/20/2005	3/14/2006	9/15/2006	4/3/2007
Sample ID No.			LF1SW0301AA	LF1SW0301BA	LF1SW0301CA	LF1SW0301DA	LF1SW0301EA	LF1SW0301FA	LF1SW0301GA	LF1SW0301HA	LF1SW0301IA	LF1SW0301JA	LF1SW0301LA	LF1SW0301NA
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface
VOCs (µg/L)														
1,1-dichloroethane	5	1	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	0.24 F	0.21 F	U	U	U	U	0.64	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5	0.5	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5**	1	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5	1	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5	1	U	U	U	U	U	U	U	U	U	U	U	U
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	92.5	24.3	111	92.8	93	33.3	258	284	102	67.1	150	48
ammonia	2	0.2	0.072	U	0.16	0.12	0.2	0.13	0.55	0.12	0.26	0.093	0.055	0.044 F
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	0.38 F	0.044 F	0.038 F
COD	--	5	U	11.8	10.2	13.3 B	U	13.5	U	15.9	U	16.4	9.2 F	15 B
chloride	250	1	10.6	8.1	14.3	13.1	10.8	7	9.9	10.8	9.6	10	23	9.3
color	15	5	**25**	NA	NA	NA	NA	**50**	NA	NA	NA	**25**	NA	NA
hardness, Total	--	1	168	U	140	90	100	36	264	318	160	48.9	180 B	56
nitrate	10	1	U	0.62 F	0.47 F	0.81 F	0.45 F	0.15 F	0.36 F	0.82 F	0.17 F	0.19 F	0.14 F	0.25
TKN	1	1	U	0.27	0.53	0.37	0.95	0.44	**1.1**	1	**1.1 B**	0.31	0.2 F	0.18 F
sulfate	250	1	10.7	7.2	10.7	10.6	8.3	5	7.4	9	12	8.6	6.4	6.2 B
TDS	500	10	157	60	174	134	160	56	332	313	154	149	200	89
TOC	--	1	1.8	2.1	1.3	2.4	2.3	4.5	3.4	3.6 B	1.6	2.5	4.4	2.8

For notes, please refer to the end of the tables section.

Table 2-2

Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF1SW-3									
Date of Collection			9/26/2007	4/2/2008	9/18/2008	4/17/2009	3/30/2010	6/16/2011	6/26/2012			
Sample ID No.			LF1SW0301OA	LF1SW0301PA	LF1SW0301QA	LF1SW0301RA	LF1SW0301SA	LF1SW0301TA	LF1SW0301UA			
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface			
VOCs (µg/L)												
1,1-dichloroethane	5	1	U	U	U	U	U	U	U			
1,2,4-Trimethylbenzene	5	1	U	U	U	U	U	U	U			
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U			
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U			
benzene	1	0.1	U	U	U	U	U	U	U			
chlorobenzene	5	0.5	U	U	U	U	U	NA	U			
dichlorodifluoromethane	5**	1	U	U	U	U	U	U	U			
methylene chloride	5	1	0.120 F	U	U	U	U	U	U			
toluene	5	1	U	U	U	U	U	U	U			
Leachate Indicators (mg/L)												
alkalinity, Total	--	10	220	46	240	58	28	170	160			
ammonia	2	0.2	0.061	0.077	0.2	U	U	0.034 F	0.078 JB			
BOD5	--	2.4	U	U	U	U	U	U	1.8 J			
bromide	2	0.5	0.043 F	U	0.068 F	0.015 F	U	U	U			
COD	--	5	8.5 F	4.1 F	8.2 F	10	5.4 F	9.3 F	10 J			
chloride	250	1	15	9.5	14	11	8.2	5.3	7.0 J			
color	15	5	NA	**30**	NA	10	U	**25**	U			
hardness, Total	--	1	190	52	240	64	38	160	150			
nitrate	10	1	0.14	0.14	0.21	0.39	0.28	0.17 F	0.061 J			
TKN	1	1	0.23	0.20	0.47	0.22	0.40 B	0.47 F	0.90 JB			
sulfate	250	1	10	5.8	5.0	9.3	7.3	3.9 F	3.0 J			
TDS	500	10	280	77	280	U	71	170	190			
TOC	--	1	3.3	3.3	3.7	2.4	2.8	3.9	4.4			

For notes, please refer to the end of the tables section.

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Table 2-3
Landfill 1 MAROS Trend Results

Well ID	Well Type	Number of Samples	Number of Detects	Mann-Kendall Statistic	Mann-Kendall Trend/ % Confidence		Linear Regression Trend/ % Confidence	
1,4-Dichlorobenzene								
LF1MW-103	Tail	13	1	0	NT	47.6	D	100
LF1MW-11	Source	21	21	-122	D	100	D	99.2
LF1MW-12	Tail	19	2	11	NT	63.5	NT	61.5
LF1MW-5	Source	21	21	-177	D	100	D	100
LF1P-2	Source	21	21	53	PI	94.2	I	96.1
MWSAR03	Tail	21	16	-10	S	60.6	S	75.5
Chlorobenzene								
LF1MW-103	Tail	13	0	0	ND	47.6	ND	100
LF1MW-11	Source	21	21	-147	D	100	D	99.2
LF1MW-12	Tail	18	0	0	ND	48.5	ND	61.5
LF1MW-5	Source	21	21	-122	D	100	D	100
LF1P-2	Source	21	21	-89	D	99.7	D	99.7
MWSAR03	Tail	21	4	36	NT	85.3	NT	82.3
Alkalinity [Carbonate (as C03)]								
LF1MW-10	Source	18	18	87	I	100	I	99.9
LF1MW-103	Tail	6	6	4	NT	70.3	NT	66
LF1MW-11	Tail	21	21	-11	S	61.8	NT	64.6
LF1MW-12	Tail	19	19	77	I	99.7	I	97
LF1MW-13	Tail	19	19	-95	D	100	D	100
LF1MW-14	Tail	15	15	14	NT	73.7	NT	78.7
LF1MW-1R	Tail	3	3	0	N/A	0	N/A	0
LF1MW-5	Source	21	21	-59	D	96	D	100
LF1MW-6	Tail	20	20	53	I	95.4	I	97
LF1P-2	Source	20	20	-71	D	98.9	PD	92.8
LF1P-3	Tail	19	19	33	NT	86.7	S	75.1
LF1P-5	Tail	19	19	-7	S	58.2	D	100
MWSAR03	Tail	21	21	-23	S	74.5	S	84.9
Hardness [bicarbonate]								
LF1MW-10	Source	18	18	52	I	97.4	NT	82
LF1MW-103	Tail	7	6	-10	PD	90.7	D	96.9
LF1MW-11	Tail	21	21	-5	S	54.8	NT	66.9
LF1MW-12	Tail	19	19	22	NT	76.6	S	67.4
LF1MW-13	Tail	19	19	-84	D	99.9	D	99
LF1MW-14	Tail	15	15	-4	S	55.8	NT	55.6
LF1MW-1R	Tail	3	3	0	N/A	0	N/A	0
LF1MW-5	Source	21	21	-55	PD	94.8	PD	92.2
LF1MW-6	Tail	20	20	8	NT	58.9	NT	59.7
LF1P-2	Source	20	20	-66	D	98.3	PD	94.6
LF1P-3	Tail	19	19	-43	PD	92.8	PD	92.6
LF1P-5	Tail	19	19	-32	S	85.9	S	74.9
MWSAR03	Tail	21	21	-55	PD	94.8	D	97.1
Nitrate [nitrogen]								
LF1MW-10	Source	18	17	46	I	95.6	I	96.1
LF1MW-103	Tail	6	4	-8	D	95.8	PD	93.9
LF1MW-11	Tail	21	8	6	NT	55.9	S	68.1
LF1MW-12	Tail	18	4	-32	NT	87.8	D	95.4
LF1MW-13	Tail	16	5	11	NT	67.1	D	100
LF1MW-14	Tail	15	13	11	NT	68.7	NT	56.8
LF1MW-1R	Tail	3	1	0	N/A	0	N/A	0
LF1MW-5	Source	21	7	70	I	98.2	PI	93.3
LF1MW-6	Tail	20	7	47	PI	93.2	NT	87.8
LF1P-2	Source	21	9	91	I	99.8	I	99.6
LF1P-3	Tail	19	5	44	PI	93.3	I	96.3
LF1P-5	Tail	19	9	76	I	99.7	I	99.9
MWSAR03	Tail	20	11	-39	NT	89	D	96.2
Total Organic Carbon								
LF1MW-10	Source	15	15	-20	S	82.3	S	89.3
LF1MW-103	Tail	6	5	-4	S	70.3	PD	92.7
LF1MW-11	Tail	21	21	-143	D	100	D	100
LF1MW-12	Tail	15	13	-3	S	53.9	S	57.2
LF1MW-13	Tail	19	19	-11	S	63.5	NT	60.7
LF1MW-14	Tail	13	13	12	NT	74.5	NT	70.8
LF1MW-1R	Tail	3	3	0	N/A	0	N/A	0
LF1MW-5	Source	21	21	-67	D	97.7	D	97.5
LF1MW-6	Tail	16	15	-11	S	67.1	S	57.8
LF1P-2	Source	20	20	-77	D	99.4	D	98.8
LF1P-3	Tail	12	8	-18	S	87.5	S	87.2
LF1P-5	Tail	18	17	-61	D	98.9	D	99.4
MWSAR03	Tail	20	20	-33	S	84.9	S	70.9

Notes:
D = Decreasing
I = Increasing
NT = No trend
PD = Probably decreasing
PI = Probably increasing
S = Stable
* = One of the variables in the MAROS program is the value assigned to non-detects. This value was set at one half the detection limit, which causes a false positive for the COC's average concentration. Instead of 0 µg/L, the value of one half the detection limit was reported.

Table 2-4
Concentration Ranges for Select Components of Municipal Landfill Leachate[1]

Leachate Indicators	"Typical" Range[2]	Average[2]
Alkalinity	500-100,000	3,600
Ammonia-N	100-400	300
BOD5	1,000-30,000	10,500
Chemical Oxygen Demand	1,000-50,000	15,000
Chloride	100-2,000	980
Hardness	500-10,000	4,200
Nitrate-N	0.1-10.0	4
Nitrogen-TKN	10-500	500
Phosphate	0.5-50	30
Sulfate	10-1,000	380
TDS	1,000-20,000	11,000
Total Organic Carbon	700-10,000	3,500

1 = Lee, G. Fred, and A. R. Jones, Groundwater Pollution by municipal landfills: Leachate Composition, Detection and its Water Quality Significance. Proceedings of the National Water Well Association Fifth National Outdoor Action Conference, Las Vegas, 1991.
2 = units in milligrams per Liter

Table 2-5
LF001 AOC LTM Network

Sampling Locations	Screen Interval Depth (ft MSL)	Sampling Rationale	Target Analytes/ EPA Method Numbers[1]	Matrix	# of Samples	Sampling Frequency	Evaluation Criteria
Groundwater		----------	Anions – SW9056	Water	16[3]	Annually	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells. Surface water analytes and frequency will be varied to follow groundwater program.
LF1P-3	494.13' – 489.13'	Downgradient	Nitrogen (TKN) – 351.2				
LF1P-5	479.91' – 474.94'	Downgradient	Ammonia – 350.1				
LF1MW-1R	534.46' – 524.46'	Upgradient	Chemical Oxygen Demand (COD) – 410.4				
LF1MW-13	495.82' – 485.82'	POC well	Biological Oxygen Demand (BOD) – 405.1				
LF1MW-103	32.8' – 22.8'[5]	Bedrock	Total Organic Carbon (TOC) - SW9060				
LF1MW-14	483.91' – 473.91'	Downgradient	Total Dissolved Solids (TDS) – 160.1				
		----------	Alkalinity – 310.2				
			Phenols – SW9066				
			Hardness – 130.2				
			Color – 110.2				
			Boron – SW6010B				
LF1P-2	495.07' – 490.07'	Downgradient	VOCs – SW8260				
LF1MW-5	485.26' – 475.26'	Downgradient	Anions – SW9056				
LF1MW-6	492.36' – 482.36'	Downgradient	Nitrogen (TKN) – 351.2				
LF1MW-10	511.08' – 501.08'	Downgradient	Ammonia – 350.1				
LF1MW-11	494.25' – 484.25'	Downgradient	Chemical Oxygen Demand (COD) – 410.4				
LF1MW-12	483.91' – 473.91'	Downgradient	Biological Oxygen Demand (BOD) – 405.1				
MWSAR03	521.28' – 511.28'	Downgradient	Total Organic Carbon (TOC) - SW9060				
Surface Water (Six Mile Creek)	Depth to groundwater ranged from 0.0 to 27.1 ft bgs.		Total Dissolved Solids (TDS) – 160.1				
LF1SW-1		Potential contaminant receptor	Alkalinity – 310.2				
LF1SW-2SMC		Potential contaminant receptor	Phenols – SW9066				
LF1SW-3		Potential contaminant receptor	Hardness – 130.2				
			Color – 110.2				
			Boron – SW6010B				
Methane All gas monitoring probes and vents	--	In accordance with 6 NYCRR 360-2.17(f)	CGI Methane or %LEL[4]	Gas	20 probes 31 vents	Semiannually	

1 Baseline parameters based on 6 NYCRR Part 360, Subpart 2, Appendix A.

.

Table 2-6
Landfill 1 AOC Historical LTM Network Optimization

Sampling Locations	Sampling Rationale	Target Analytes/ Method Numbers[1]	Sampling Frequency	Evaluation Criteria/ Modification Justification
Historical LTM Network Changes				
November 2011 (CERCLA Sites Optimization Plans)				
Analysis/Frequency Change				
Groundwater LF1MW-1R LF1P-3 LF1MW-10 LF1MW-12 LF1MW-103	---------- Upgradient of source Downgradient from source and plume Downgradient from source, cross-gradient from plume Downgradient from source Bedrock, Downgradient from source	Metals – SW6010B (except Hg) Landfill Leachate Indicators: Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – SM2540C Alkalinity – SM2320B Hardness – 130.2 Color – 110.2	Annually	Remove VOC analysis as these monitoring wells have not shown VOC exceedances in previous sampling rounds or have shown VOC exceedances in several years.
January 2011				
Analysis/Frequency Change				
Gas Sampling 18 monitoring probes and 31 gas vents	In accordance with 6 NYCRR 360-2.17 (f)	Methane LEL Oxygen Carbon dioxide Barometric pressure	Semi-annually	Reduce monitoring frequency to semi-annual as methane levels have stabilized throughout the site.

Table 2-6 (continued)
Landfill 1 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
August 2009				
Analysis/Frequency Changes				
Groundwater LF1P-2 LF1P-3 LF1MW-5 LF1MW-6 LF1MW-10 LF1MW-11 LF1MW-12 LF1MW-13 LF1MW-14 LF1MW-103 MWSAR03 **Surface Water (Six Mile Creek)** LF1SW-1 LF1SW-2SMC LF1SW-3	---------- Downgradient from source, within plume Downgradient from source and plume Downgradient from source, within plume Downgradient from source Downgradient from source, cross-gradient from plume Downgradient from source Downgradient from source POC well POC well Bedrock, Downgradient from source Downgradient from source ---------- Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	VOCs – SW8260 Metals – SW6010B (except Hg) Landfill Leachate Indicators: Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Hardness – 130.2 Color – 110.2	Annually	Reduce sampling frequency from semi-annually to annually. Sampling frequency reduced due to low concentrations of COCs.
April 2008				
Analysis/Frequency Changes				
All groundwater monitoring wells utilizing low flow sampling	--	Metals – SW6010B (except Hg)	Semi-annually Annually (Baseline)	Samples collected for metals analysis will be analyzed for total concentrations only.

Table 2-6 (continued)
Landfill 1 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
June 2007				
Analysis/Frequency Changes				
Groundwater LF1P-2 LF1MW-5 LF1MW-6 LF1MW-11 MWSAR03	---------- Downgradient from source and within plume Downgradient from source and within plume Downgradient from source Downgradient from source Downgradient from source	VOCs – SW8260 Metals – SW6010B (except Hg) Landfill Leachate Indicators: Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Hardness – 130.2 Color[2] – 110.2	Semi-annually	Reduce sampling frequency from quarterly to semi-annually. Sampling frequency was reduced, due to the low concentrations of COCs.
April 2006				
Analysis/Frequency Changes				
Groundwater LF1P-3 LF1P-5 LF1MW-10 LF1MW-12 LF1MW-13 LF1MW-14 LF1MW-103 **Surface Water (Six Mile Creek)** LF1SW-1 LF1SW-2SMC LF1SW-3	---------- Downgradient from source and plume Downgradient from source and plume Downgradient from source, cross-gradient from plume Downgradient from source POC well POC well Bedrock, Downgradient from source ---------- Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	VOCs – SW8260 Metals – SW6010B (except Hg) Landfill Leachate Indicators: Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Hardness – 130.2 Color[2] – 110.2	Semi-annually	Reduce sampling frequency from quarterly to semi-annually. Sampling frequency was reduced, due to the low concentrations of COCs.

Table 2-6 (continued)
Landfill 1 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
April 2006				
Analysis/Frequency Changes				
All groundwater monitoring wells and surface water sampling locations	--	Metals – SW6010B (except Hg)	Quarterly (Routine) Semi-annually Annually (Baseline)	Samples collected for metals analysis, will be analyzed for both dissolved and total concentrations.
All groundwater monitoring wells and surface water sampling locations	--	VOCs – SW8260 Metals – SW6010B (except Hg) Landfill Leachate Indicators: Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Hardness – 130.2 Color[2] – 110.2	Quarterly (Routine) Semi-annually Annually (Baseline)	Analytes list was reduced, due to the low concentrations or absence of particular COCs. The following analytes were removed: boron, cyanide, mercury, PCBs, pesticides, and phenols.
October 2005				
Added Sampling Locations				
LF1GMP-18, LF1GMP-19, LF1GMP-20	POC Gas Monitoring Probes	Methane, LEL, Oxygen, Carbon dioxide, Barometric pressure	Quarterly	Quarterly monitoring with semi-annual evaluation and recommendations.
LF1VENT-24, LF1VENT-25 LF1VENT-26 LF1VENT-27 LF1VENT-28 LF1VENT-29 LF1VENT-30 LF1VENT-31	Landfill Gas Vents	Methane LEL Oxygen Carbon dioxide Barometric pressure	Quarterly	Quarterly monitoring with semi-annual evaluation and recommendations.

Table 2-6 (continued)
Landfill 1 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
October 2005				
Removed Sampling Locations				
LF1VENT-23	Landfill Gas Vent	--	--	Gas vent was removed during the construction of the passive gas vent trench.
January 2005				
Analysis/Frequency Changes				
All groundwater monitoring wells and surface water sampling locations	--	VOCs – SW8260 Metals – SW6010B (except Hg) Mercury – SW7470 Cyanide – SW9010 Pesticides/PCBs – SW8081/SW8082 Landfill Leachate Indicators: Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Annually (Baseline)	It was recommended that baseline sampling be postponed until the March 2005 sampling round. By postponing the baseline sampling at the Landfill 1 AOC, baseline parameters were collected at all on-base landfill AOCs (Landfills 1, 2/3, 5, and 7) during a single sampling event (March/ spring sampling round).
November 2004				
Added Sampling Locations				
LF1MW-14	POC well	Same as above	Quarterly (Routine) Annually (Baseline)	Quarterly monitoring with semi-annual evaluation and recommendations. POC well, downgradient of second plume.

Table 2-6 (continued)
Landfill 1 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
November 2004				
Added Sampling Locations				
LF1GMP-11 LF1GMP-12 LF1GMP-13 LF1GMP-14 LF1GMP-15 LF1GMP-16 LF1GMP-17	POC Gas Monitoring Probes	Methane LEL Oxygen Carbon dioxide Barometric pressure	Quarterly	Quarterly monitoring with semi-annual evaluation and recommendations.
LF1VENT-23	Landfill Gas Vent	Methane, LEL Oxygen. Carbon dioxide, Barometric pressure	Quarterly	Quarterly monitoring with semi-annual evaluation and recommendations.
April 2004				
Analysis/Frequency Changes				
LF1SW-2SMC	Potential contaminant receptor	VOCs – SW8260 SVOCs – SW8270 Metals – SW6010B (except Hg) Mercury[2] – SW7470 Cyanide[2] – SW9010 Pesticides/PCBs[2] – SW8081/SW8082 Landfill Leachate Indicators: Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Phenols – SW9066 Hardness – 130.2 Color[2] – 110.2 Boron[2] – SW6010B	Quarterly (Routine) Annually (Baseline)	Quarterly monitoring with semi-annual evaluation and recommendations. Due to the proximity of surface water sampling location LF1SW-2 (Landfill 1 AOC LTM network) to sediment/ surface water sampling location SMCFSS-2 (Six Mile Creek AOC LTM network), the sampling locations were combined into one location. The list of analytes sampled for at this combined location (LF1SW-2SMC) is the union of the Landfill 1 AOC target analytes list and the Six Mile Creek target analytes list.

1 Target analytes are based on 6 NYCRR Part 360, Subpart 2, Appendix A.
2 Analyses only performed in baseline sampling. (Unless otherwise specified, parameters are analyzed on a routine/quarterly basis).
3 Landfill gas parameters will be collected in the field with a portable gas analyzer.

Table 3-1

Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	27-Sep-04				5-Nov-04				16-Dec-04				17-Jan-05				17-Feb-05			
	Barometric Pressure (in.) = 29.68				Barometric Pressure (in.) = 29.60				Barometric Pressure (in.) = 29.79				Barometric Pressure (in.) = 29.77				Barometric Pressure (in.) = 29.34			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	32	1.6	2.4	16.0	---	---	---	---	6	0.3	1.0	13.1	0	0.0	4.1	10.7	0	0.0	6.4	10.5
LF2GMP-02	>100	8.7	4.7	6.3	---	---	---	---	41	2.4	11.3	7.4	6	0.3	10.0	7.4	0	0.0	13.3	5.3
LF2GMP-03	0	0.0	18.7	2.7	---	---	---	---	>100	11.3	0.5	21.5	>100	9.5	0.5	19.9	0	0.0	5.7	12.5
LF2GMP-04	62	3.0	9.4	12.3	---	---	---	---	>100	13.1	0.7	26.9	>100	11.4	0.6	23.1	>100	10.8	3.6	22.0
LF2GMP-05	>100	7.0	5.8	7.6	---	---	---	---	6	0.3	16.2	2.2	0	0.0	18.5	0.9	0	0.0	20.2	0.2
LF2GMP-06	0	0.0	13.9	6.0	---	---	---	---	6	0.3	12.4	7.8	0	0.0	14.1	6.3	0	0.0	18.2	3.0
LF2GMP-07	0	0.0	16.9	4.5	---	---	---	---	6	0.3	17.5	2.9	0	0.0	18.0	1.8	0	0.0	19.1	1.4
LF2GMP-08	NI	NI	NI	NI	0	0.0	20.3	0.5	4	0.2	19.4	0.9	0	0.0	19.8	0.2	0	0.0	19.6	0.8
LF2GMP-09	NI	NI	NI	NI	0	0.0	21.0	0.2	4	0.2	20.1	0.3	0	0.0	20.6	0.2	0	0.0	20.5	0.2
LF2VENT-01	---	---	---	---	---	---	---	---	>100	19.5	5.5	17.5	>100	7.2	9.1	10.0	>100	7.6	7.6	9.6
LF2VENT-02	---	---	---	---	---	---	---	---	54	2.7	18.2	2.3	44	2.2	18.5	1.7	>100	9.8	11.8	9.9
LF2VENT-03	>100	15.2	6.8	13.0	---	---	---	---	>100	44.5	1.5	20.3	>100	28.2	8.9	13.3	>100	25.1	9.1	14.0
LF2VENT-04	>100	10.5	15.0	8.6	---	---	---	---	>100	33.3	0.2	22.8	>100	22.2	5.6	16.1	>100	25.9	2.3	19.5
LF2VENT-05	>100	32.0	0.3	29.4	---	---	---	---	>100	24.6	0.0	25.1	>100	21.3	1.0	21.5	>100	14.7	0.3	21.0
LF2VENT-06	>100	13.7	7.9	15.9	---	---	---	---	>100	8.6	0.7	20.3	54	2.7	5.2	14.7	0	0.0	21.0	0.0
LF2VENT-07	>100	10.0	18.4	5.2	---	---	---	---	>100	11.3	3.7	8.8	>100	6.5	5.8	7.8	16	0.8	11.3	3.5
LF2VENT-08	66	3.2	5.7	12.6	---	---	---	---	4	0.2	3.9	10.0	0	0.0	11.2	5.5	0	0.0	10.1	6.9
LF2VENT-09	---	---	---	---	---	---	---	---	6	0.3	6.8	4.7	0	0.0	18.4	0.5	0	0.0	14.0	3.7
LF2VENT-10	---	---	---	---	---	---	---	---	24	1.2	9.4	5.1	2	0.1	13.0	3.6	0	0.0	15.2	3.9
LF2VENT-11	50	2.5	16.1	5.2	---	---	---	---	>100	8.8	1.2	15.2	>100	7.8	1.4	13.1	48	2.4	6.9	10.7
LF2VENT-12	>100	24.3	0.3	29.1	---	---	---	---	>100	13.1	0.0	21.3	>100	9.1	0.5	12.9	>100	6.0	2.2	16.2
LF2VENT-13	54	3.1	19.9	1.9	---	---	---	---	>100	23.0	4.0	15.9	>100	18.0	6.6	12.9	>100	17.5	6.0	12.7
LF2VENT-14	>100	11.4	16.7	8.0	---	---	---	---	>100	38.1	0.4	26.7	>100	32.5	1.5	20.6	>100	28.5	0.9	22.3

Notes:

NI Not Installed

--- Not monitored

Table 3-1

Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	24-Mar-05				28-Apr-05				26-May-05				23-Jun-05				1-Aug-05			
	Barometric Pressure (in.) = 30.00				Barometric Pressure (in.) = 29.28				Barometric Pressure (in.) = 29.23				Barometric Pressure (in.) = 29.61				Barometric Pressure (in.) = 29.54			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	18.1	1.2	0	0.0	16.1	2.3	4	0.2	19.3	0.3	0	0.0	9.7	8.3	12	0.6	3.7	16.2
LF2GMP-02	0	0.0	13.1	5.7	6	0.3	10.0	8.1	40	2.0	8.5	9.8	76	3.8	8.7	11.4	>100	5.2	11.2	6.8
LF2GMP-03	0	0.0	14.6	6.3	0	0.0	14.7	5.5	0	0.0	18.8	2.3	0	0.0	19.5	1.1	0	0.0	19.1	1.1
LF2GMP-04	>100	5.9	6.7	17.4	>100	9.1	8.6	17.3	80	4.0	10.2	12.7	16	0.8	10.6	11.5	18	0.9	6.1	14.7
LF2GMP-05	0	0.0	20.6	0.2	0	0.0	18.2	0.5	0	0.0	15.3	1.1	12	0.6	10.3	3.2	>100	9.5	5.5	9.2
LF2GMP-06	0	0.0	18.4	2.4	0	0.0	17.0	3.1	0	0.0	16.7	2.9	0	0.0	15.9	3.5	0	0.0	13.3	6.0
LF2GMP-07	0	0.0	18.6	1.5	0	0.0	18.6	2.2	0	0.0	19.7	1.6	0	0.0	18.0	2.5	0	0.0	18.4	2.6
LF2GMP-08	0	0.0	19.0	1.1	0	0.0	19.8	0.9	0	0.0	20.4	0.5	0	0.0	19.6	0.9	0	0.0	20.1	0.3
LF2GMP-09	0	0.0	20.2	0.4	0	0.0	20.7	0.3	0	0.0	20.7	0.2	0	0.0	20.0	0.3	0	0.0	20.2	0.2
LF2VENT-01	>100	5.2	15.7	3.3	>100	9.0	14.2	5.3	0	0.0	21.2	0.0	0	0.0	18.7	1.1	0	0.0	20.2	0.5
LF2VENT-02	46	2.3	17.8	2.5	16	0.8	20.2	0.5	60	3.0	17.6	3.8	0	0.0	15.8	4.1	0	0.0	20.4	0.1
LF2VENT-03	>100	25.2	8.2	14.4	>100	24.0	11.3	14.2	>100	18.1	7.1	18.9	>100	7.5	8.5	16.5	14	0.7	11.9	13.1
LF2VENT-04	>100	12.5	9.3	10.4	>100	11.0	5.5	15.9	0	0.0	20.8	0.1	2	0.1	8.0	10.6	8	0.4	19.1	1.8
LF2VENT-05	84	4.2	7.1	10.4	66	3.3	21.0	0.0	52	2.6	16.1	6.0	0	0.0	17.7	1.7	8	0.4	20.5	0.1
LF2VENT-06	0	0.0	18.4	2.1	24	1.2	9.1	10.1	0	0.0	21.2	0.0	0	0.0	19.7	0.2	>100	5.1	11.1	11.7
LF2VENT-07	0	0.0	20.3	0.2	16	0.8	13.4	4.2	0	0.0	20.9	0.1	0	0.0	10.2	4.8	0	0.0	18.7	2.8
LF2VENT-08	0	0.0	20.9	0.0	0	0.0	11.6	5.3	0	0.0	21.1	0.0	0	0.0	17.2	1.8	>100	6.5	3.4	17.3
LF2VENT-09	0	0.0	20.8	0.0	0	0.0	17.2	2.7	0	0.0	21.0	0.0	0	0.0	17.9	1.6	0	0.0	16.8	4.7
LF2VENT-10	0	0.0	20.7	0.0	0	0.0	18.5	1.5	0	0.0	21.1	0.0	0	0.0	18.3	1.5	0	0.0	16.5	4.8
LF2VENT-11	0	0.0	20.6	0.1	60	3.0	9.1	8.4	0	0.0	21.1	0.0	0	0.0	18.2	1.4	50	2.5	10.7	10.8
LF2VENT-12	0	0.0	15.5	3.3	>100	8.3	2.6	16.8	0	0.0	21.1	0.0	0	0.0	16.4	1.4	>100	9.6	7.8	15.6
LF2VENT-13	>100	16.8	8.7	10.2	>100	21.1	9.4	12.7	2	0.1	17.8	4.0	0	0.0	15.5	3.1	0	0.0	19.8	0.9
LF2VENT-14	>100	26.5	5.5	19.9	>100	32.5	2.5	24.9	>100	18.3	3.1	23.3	8	0.4	19.0	1.0	86	4.3	17.8	2.8

Notes:

NI Not Installed

--- Not monitored

Table 3-1

Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	29-Aug-05				7-Oct-05				14-Nov-05				28-Nov-05				6-Jan-05			
	Barometric Pressure (in.) = 29.50				Barometric Pressure (in.) = 29.87				Barometric Pressure (in.) = 30.32				Barometric Pressure (in.) = 30.06				Barometric Pressure (in.) = 29.13			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	10	0.5	15.3	5.7	20	1.0	2.3	14.8	16	0.8	0.7	11.5	12	0.6	0.2	12.1	0	0.0	9.8	5.6
LF2GMP-02	0	0.0	20.5	0.0	>100	9.5	0.3	22.1	>100	5.1	6.4	11.4	>100	7.0	3.4	14.2	20	1.0	2.9	11.3
LF2GMP-03	0	0.0	19.4	1.3	0	0.0	19.4	1.2	0	0.0	17.6	2.2	0	0.0	12.2	3.7	88	4.4	0.0	14.4
LF2GMP-04	0	0.0	6.4	15.1	4	0.2	9.0	9.0	>100	6.2	15.4	4.1	>100	9.2	2.8	20.9	>100	11.9	1.0	25.1
LF2GMP-05	>100	8.9	6.3	12.3	38	1.9	6.7	10.9	0	0.0	12.9	6.5	0	0.0	14.2	5.5	0	0.0	14.0	5.3
LF2GMP-06	0	0.0	13.4	7.1	0	0.0	13.9	6.3	0	0.0	12.9	6.2	0	0.0	12.8	6.6	2	0.1	11.4	7.4
LF2GMP-07	6	0.3	18.5	2.9	0	0.0	17.9	2.5	0	0.0	17.4	2.9	0	0.0	18.1	2.7	0	0.0	19.4	2.4
LF2GMP-08	0	0.0	19.9	0.9	0	0.0	20.1	0.6	0	0.0	19.5	1.0	0	0.0	20.3	0.8	0	0.0	20.7	0.1
LF2GMP-09	0	0.0	20.2	0.3	0	0.0	20.6	0.1	0	0.0	20.2	0.3	0	0.0	20.7	0.2	0	0.0	20.5	0.5
LF2VENT-01	0	0.0	19.4	1.3	0	0.0	19.5	1.0	6	0.3	18.8	1.3	>100	7.5	12.8	6.1	---	---	---	---
LF2VENT-02	0	0.0	19.6	1.1	0	0.0	20.6	0.0	0	0.0	20.2	0.2	>100	11.3	11.9	10.3	---	---	---	---
LF2VENT-03	38	1.9	7.5	19.3	0	0.0	20.6	0.0	0	0.0	19.5	0.4	80	4.0	14.9	1.7	---	---	---	---
LF2VENT-04	2	0.1	8.6	12.2	0	0.0	20.7	0.0	40	2.0	8.7	8.0	18	0.9	15.0	5.3	---	---	---	---
LF2VENT-05	18	0.9	11.3	8.5	>100	26.0	0.4	26.2	>100	5.1	14.7	6.7	>100	25.6	1.0	24.1	---	---	---	---
LF2VENT-06	0	0.0	20.2	0.3	0	0.0	20.5	0.0	0	0.0	20.2	0.3	64	3.2	12.4	8.5	---	---	---	---
LF2VENT-07	0	0.0	15.8	4.5	0	0.0	20.4	0.0	0	0.0	20.6	0.0	0	0.0	21.0	0.0	---	---	---	---
LF2VENT-08	4	0.2	20.6	0.1	>100	6.8	0.3	18.3	0	0.0	20.7	0.0	0	0.0	21.1	0.0	---	---	---	---
LF2VENT-09	2	0.1	19.6	1.8	0	0.0	20.6	0.0	0	0.0	20.6	0.0	0	0.0	21.0	0.0	---	---	---	---
LF2VENT-10	0	0.0	18.7	2.6	0	0.0	19.6	0.6	0	0.0	20.6	0.0	0	0.0	20.6	0.0	---	---	---	---
LF2VENT-11	0	0.0	20.7	0.2	70	3.5	2.6	14.4	0	0.0	19.5	0.7	38	1.9	10.0	7.0	---	---	---	---
LF2VENT-12	6	0.3	17.4	3.5	>100	16.2	1.2	23.0	8	0.4	17.3	2.7	78	3.9	12.8	7.8	---	---	---	---
LF2VENT-13	0	0.0	18.5	2.3	0	0.0	18.9	2.1	0	0.0	19.6	0.3	>100	5.1	9.7	2.8	---	---	---	---
LF2VENT-14	28	1.4	10.2	11.6	30	1.5	19.3	1.7	18	0.9	19.1	0.7	>100	11.5	9.2	8.9	---	---	---	---

Notes:

NI Not Installed

--- Not monitored

Table 3-1

Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	30-Mar-06				20-Apr-06				26-May-06				30-Jun-06				28-Jul-06			
	Barometric Pressure (in.) = 30.22				Barometric Pressure (in.) = 30.02				Barometric Pressure (in.) = 30.06				Barometric Pressure (in.) = 29.96				Barometric Pressure (in.) = 29.24			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	16.8	2.7	0	0.0	17.2	3.2	0	0.0	13.0	5.3	0	0.0	16.1	3.2	63	3.2	0.6	17.4
LF2GMP-02	0	0.0	3.1	11.9	0	0.0	20.9	0.0	8	0.4	19.9	0.2	>100	10.7	0.3	19.9	0	0.0	21.6	0.0
LF2GMP-03	0	0.0	20.9	0.0	0	0.0	20.9	0.0	0	0.0	20.1	0.0	0	0.0	20.2	0.0	0	0.0	21.6	0.0
LF2GMP-04	10	0.5	12.2	2.8	0	0.0	20.9	0.0	0	0.0	20.1	0.0	0	0.0	20.2	0.0	0	0.0	21.1	0.0
LF2GMP-05	0	0.0	19.0	0.7	0	0.0	20.8	0.0	4	0.2	10.5	2.7	0	0.0	20.0	0.1	>100	14.9	0.2	10.6
LF2GMP-06	0	0.0	16.5	3.3	0	0.0	21.0	0.0	4	0.2	20.1	0.1	0	0.0	20.2	0.0	0	0.0	10.7	7.3
LF2GMP-07	0	0.0	20.0	1.0	0	0.0	20.6	0.5	2	0.1	19.9	0.3	0	0.0	17.8	2.9	0	0.0	18.8	2.1
LF2GMP-08	0	0.0	20.2	0.4	0	0.0	20.4	0.6	4	0.2	19.9	0.3	0	0.0	18.7	1.4	0	0.0	19.9	1.5
LF2GMP-09	0	0.0	20.7	0.2	0	0.0	20.8	0.2	4	0.2	20.0	0.1	0	0.0	19.7	0.6	0	0.0	20.2	0.6
LF2VENT-01	6	0.3	20.2	0.1	0	0.0	20.9	0.0	0	0.0	20.1	0.0	0	0.0	20.2	0.0	0	0.0	21.6	0.0
LF2VENT-02	16	0.8	19.5	1.4	44	2.2	18.8	2.2	6	0.3	20.1	0.1	0	0.0	20.2	0.0	0	0.0	21.6	0.0
LF2VENT-03	0	0.0	20.1	0.1	4	0.2	19.2	0.9	4	0.2	20.0	0.1	0	0.0	20.1	0.1	0	0.0	11.7	7.2
LF2VENT-04	66	3.3	16.2	2.3	32	1.6	14.0	3.7	0	0.0	20.1	0.0	6	0..3	13.8	3.9	3	0.2	18.0	1.9
LF2VENT-05	>100	5.5	11.3	8.0	0	0.0	20.8	0.1	0	0.0	20.1	0.0	0	0.0	19.6	0.8	>100	17.3	0.9	21.1
LF2VENT-06	0	0.0	13.4	6.6	0	0.0	21.0	0.1	2	0.1	20.0	0.0	48	2.4	12.3	6.1	>100	15.4	4.7	17.1
LF2VENT-07	0	0.0	19.9	0.1	0	0.0	20.2	0.2	6	0.3	16.2	2.8	0	0.3	20.0	0.2	0	0.0	3.6	7.9
LF2VENT-08	4	0.2	17.4	1.9	0	0.0	19.4	1.5	0	0.0	20.1	0.0	0	0.0	14.7	2.6	14	0.7	2.4	13.4
LF2VENT-09	0	0.0	18.0	1.1	0	0.0	14.5	3.7	0	0.0	20.2	0.0	0	0.0	9.7	6.6	0	0.0	5.2	11.2
LF2VENT-10	0	0.0	20.1	0.1	0	0.0	18.8	1.0	0	0.0	20.2	0.0	0	0.0	20.3	0.0	0	0.0	4.3	12.1
LF2VENT-11	18	0.9	16.5	2.5	0	0.0	21.0	0.0	0	0.0	20.2	0.0	0	0.0	20.3	0.0	8	0.4	6.0	11.3
LF2VENT-12	36	1.8	5.8	10.1	0	0.0	20.9	0.2	2	0.1	20.2	0.1	22	1.1	14.5	5.1	>100	16.9	1.6	20.3
LF2VENT-13	22	1.1	19.1	0.4	0	0.0	20.9	0.0	0	0.0	20.1	0.0	0	0.0	20.1	0.0	0	0.0	21.6	0.0
LF2VENT-14	>100	6.6	16.1	4.5	>100	10.5	13.8	8.5	>100	15.6	6.6	17.9	>100	8.5	14.5	5.6	>100	20.8	1.1	21.2

Notes:

NI Not Installed

--- Not monitored

Table 3-1

Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	18-Aug-06				29-Sep-06				4-Jan-07				31-May-07				30-Jul-07			
	Barometric Pressure (in.) = 30.18				Barometric Pressure (in.) = 29.83				Barometric Pressure (in.) = 29.40				Barometric Pressure (in.) = 29.43				Barometric Pressure (in.) = 29.49			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	16.3	3.1	0	0.0	20.3	0.1	0	0.0	20.7	0.1	32	1.6	17.6	1.9	0	0.0	20.2	0.4
LF2GMP-02	>100	12.1	0.0	22.4	>100	11.2	21.7	1.5	2	0.1	4.5	11.4	32	1.6	0.4	9.6	>100	5.4	6.5	15.0
LF2GMP-03	0	0.0	20.1	0.0	0	0.0	20.1	0.0	0	0.0	20.2	0.3	0	0.0	19.9	0.0	0	0.0	20.6	0.1
LF2GMP-04	0	0.0	20.2	0.0	0	0.0	17.8	0.0	5	0.3	19.8	0.9	0	0.0	19.9	0.0	0	0.0	20.7	0.0
LF2GMP-05	>100	13.1	0.0	11.4	0	0.0	18.0	0.0	0	0.0	18.8	1.3	0	0.0	11.4	1.5	>100	7.7	3.5	7.7
LF2GMP-06	0	0.0	20.2	0.0	0	0.0	20.3	0.0	0	0.0	12.2	6.3	0	0.0	21.2	0.0	0	0.0	20.7	0.1
LF2GMP-07	0	0.0	19.8	0.3	0	0.0	17.3	1.6	0	0.0	20.7	0.4	0	0.0	21.0	0.0	0	0.0	20.9	0.2
LF2GMP-08	0	0.0	19.7	0.1	0	0.0	17.5	0.0	0	0.0	20.2	0.7	0	0.0	21.1	0.0	0	0.0	20.6	0.4
LF2GMP-09	0	0.0	20.2	0.0	0	0.0	19.8	0.4	1	0.1	20.7	0.2	0	0.0	20.4	0.0	0	0.0	20.6	0.2
LF2VENT-01	0	0.0	19.6	0.7	0	0.0	17.6	0.2	>100	5.7	15.8	2.9	30	1.5	19.6	0.1	0	0.0	20.4	0.2
LF2VENT-02	0	0.0	20.3	0.0	2	0.1	17.7	0.1	8	0.4	20.4	0.4	0	0.0	19.9	0.0	0	0.0	20.5	0.1
LF2VENT-03	0	0.0	20.1	0.0	0	0.0	20.0	0.0	0	0.0	20.7	0.1	1	0.1	18.4	1.2	0	0.0	20.5	0.2
LF2VENT-04	0	0.0	19.9	0.0	26	1.3	18.6	0.8	>100	5.5	15.9	2.7	3	0.2	17.3	2.1	0	0.0	19.9	0.8
LF2VENT-05	0	0.0	20.3	0.0	0	0.0	19.3	0.0	>100	28.5	0.2	23.0	0	0.0	20.2	0.0	16	0.8	13.0	5.0
LF2VENT-06	0	0.0	20.2	0.0	28	1.4	18.7	1.8	>100	12.6	6.6	15.1	0	0.0	20.1	1.2	0	0.0	20.0	0.4
LF2VENT-07	0	0.0	20.1	0.2	0	0.0	17.6	0.4	14	0.7	18.6	0.5	1	0.1	18.1	2.8	0	0.0	19.1	1.0
LF2VENT-08	0	0.0	12.9	6.3	0	0.0	17.6	0.0	0	0.0	18.1	1.4	0	0.0	16.1	4.8	0	0.0	20.8	0.2
LF2VENT-09	0	0.0	19.2	0.8	0	0.0	20.3	0.0	13	0.7	10.8	3.3	0	0.0	20.5	0.4	0	0.0	16.3	3.6
LF2VENT-10	0	0.0	20.3	0.0	0	0.0	20.1	0.1	0	0.0	20.2	0.4	0	0.0	19.6	1.2	0	0.0	20.2	0.3
LF2VENT-11	0	0.0	18.0	2.5	0	0.0	20.4	0.0	47	2.4	17.0	2.6	0	0.0	19.7	1.5	0	0.0	17.5	2.0
LF2VENT-12	0	0.0	19.5	0.8	10	0.5	17.3	1.3	>100	7.8	11.3	9.4	0	0.0	19.6	2.0	0	0.0	20.1	0.7
LF2VENT-13	0	0.0	18.8	1.1	0	0.0	18.0	0.0	70	3.5	16.8	1.0	0	0.0	21.0	0.2	0	0.0	20.0	0.9
LF2VENT-14	>100	5.3	11.5	10.1	6	0.3	19.4	0.1	>100	5.7	18.7	3.4	>100	6.3	13.5	8.3	96	4.8	7.7	10.1

Notes:

NI Not Installed

--- Not monitored

Table 3-1

Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	6-Oct-07				23-Jan-08				17-Apr-08				16-Jul-08				17-Nov-08			
	Barometric Pressure (in.) = 30.15				Barometric Pressure (in.) = 29.42-29.48				Barometric Pressure (in.) = 30.01-30.02				Barometric Pressure (in.) = NA				Barometric Pressure (in.) = 29.64			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	20.6	0.0	0	0.0	20.2	0.5	0	0.0	20.7	0.1	0	0.0	11.4	5.5	0	0.0	20.7	0.2
LF2GMP-02	8	0.4	20.2	0.5	0	0.0	10.2	6.7	0	0.0	5.4	8.3	>100	9.5	0.0	19.3	0	0.0	21.0	0.1
LF2GMP-03	0	0.0	20.6	0.0	36	1.8	14.1	5.4	2	0.1	20.4	0.5	0	0.0	20.2	0.1	0	0.0	15.2	3.3
LF2GMP-04	0	0.0	20.6	0.0	1	0.1	19.7	0.8	4	0.2	20.6	0.1	0	0.0	20.5	0.0	0	0.0	20.0	1.1
LF2GMP-05	0	0.0	20.6	0.0	0	0.0	18.9	0.3	2	0.1	19.2	0.3	>100	6.9	0.4	7.8	0	0.0	17.8	2.2
LF2GMP-06	0	0.0	20.6	0.0	0	0.0	9.7	7.8	2	0.1	13.6	3.5	0	0.0	20.3	0.2	0	0.0	14.6	5.2
LF2GMP-07	0	0.0	20.6	0.0	0	0.0	19.9	1.0	6	0.3	20.1	0.3	0	0.0	19.6	1.0	0	0.0	20.2	1.3
LF2GMP-08	0	0.0	20.6	0.1	0	0.0	20.4	0.5	0	0.0	20.6	0.1	0	0.0	20.6	0.3	0	0.0	20.4	1.2
LF2GMP-09	0	0.0	20.6	0.0	0	0.0	20.6	0.3	2	0.1	20.8	0.2	0	0.0	20.5	0.3	0	0.0	21.2	0.4
LF2VENT-01	0	0.0	20.5	0.1	21	1.1	19.2	0.7	0	0.0	21.0	0.1	0	0.0	20.2	0.3	44	2.2	17.9	1.6
LF2VENT-02	0	0.0	20.6	0.0	28	1.5	19.7	1.7	8	0.4	20.7	0.2	0	0.0	20.7	0.1	6	0.3	21.4	0.3
LF2VENT-03	2	0.0	20.5	0.1	7	0.4	20.4	0.3	2	0.1	20.9	0.1	0	0.0	20.7	0.1	19	0.9	20.3	0.6
LF2VENT-04	4	0.1	20.3	0.3	1	0.1	20.2	0.7	8	4.0	19.3	0.5	2	0.1	20.0	0.3	51	3.1	16.6	2.7
LF2VENT-05	0	0.2	20.6	0.0	>100	23.6	2.3	20.8	>100	12.6	8.6	10.9	>100	6.8	4.2	11.7	>100	10.2	14.3	7.1
LF2VENT-06	0	0.0	20.6	0.0	>100	8.5	10.6	11.3	30	1.5	17.1	2.0	0	0.0	19.7	0.5	>100	26.1	1.2	22.3
LF2VENT-07	0	0.0	19.3	0.8	0	0.0	18.7	0.4	4	0.2	20.0	0.1	0	0.0	20.3	0.2	0	0.0	21.6	0.1
LF2VENT-08	0	0.0	16.5	3.2	45	2.3	13.2	4.4	26	1.3	14.4	2.3	0	0.0	19.5	0.6	2	0.1	20.2	0.9
LF2VENT-09	0	0.0	19.9	0.5	0	0.0	17.7	1.8	8	0.4	13.6	1.2	0	0.0	20.2	0.2	5	0.2	16.1	2.3
LF2VENT-10	0	0.0	20.2	0.3	0	0.0	19.5	0.9	6	0.3	20.1	0.0	0	0.0	20.8	0.1	2	0.1	20.6	0.7
LF2VENT-11	0	0.0	16.9	3.0	31	1.6	16.7	2.5	4	0.2	20.3	0.2	0	0.0	20.8	0.1	2	0.1	18.4	0.8
LF2VENT-12	0	0.0	18.4	2.3	>100	5.0	12.3	7.6	12	0.6	19.8	0.5	0	0.0	19.3	0.6	>100	5.0	15.0	6.0
LF2VENT-13	0	0.0	19.5	1.1	11	0.6	19.6	0.6	6	0.3	20.8	0.0	0	0.0	20.2	0.2	43	2.1	17.1	1.2
LF2VENT-14	2	0.1	20.3	0.2	32	1.6	18.9	1.3	22	1.1	19.2	0.5	0	0.0	20.3	0.2	6	0.3	19.7	1.0

Notes:

NI Not Installed

--- Not monitored

Table 3-1

Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	15-Jan-09				28-Apr-09				10-Jul-09				21-Oct-09				3-Feb-10			
	Barometric Pressure (in.) = 28.98-29.62				Barometric Pressure (in.) = 29.41-29.51				Barometric Pressure (in.) = 29.52-29.6				Barometric Pressure (in.) = 29.56-29.5				Barometric Pressure (in.) = 29.34			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	20.7	0.1	0	0.0	19.7	0.7	0	0.0	16.9	2.4	0	0.0	21.0	0.0	0	0.0	21.1	0.1
LF2GMP-02	0	0.0	19.7	0.1	12	0.6	0.6	11.1	>100	9.7	0.0	17.5	>100	8.8	0.0	20.9	0	0.0	21.5	0.0
LF2GMP-03	0	0.0	21.4	0.3	0	0.0	21.1	0.0	0	0.0	20.0	0.0	0	0.0	19.3	1.1	3	0.1	21.1	0.4
LF2GMP-04	3	0.2	21.5	0.5	0	0.0	21.2	0.0	0	0.0	20.5	0.0	0	0.0	20.2	0.4	14	0.7	19.1	1.9
LF2GMP-05	0	0.0	20.9	0.2	0	0.0	17.8	0.5	64	3.2	0.1	6.3	0	0.0	0.4	12.9	0	0.0	22.0	0.1
LF2GMP-06	2	0.1	20.3	0.4	0	0.0	10.8	5.0	0	0.0	19.1	0.6	0	0.0	20.7	0.1	0	0.0	10.3	6.9
LF2GMP-07	0	0.0	20.1	0.4	0	0.0	20.0	0.5	0	0.0	19.9	0.1	0	0.0	20.6	0.2	0	0.0	21.3	1.2
LF2GMP-08	0	0.0	20.4	0.7	0	0.0	20.2	0.3	0	0.0	20.3	0.1	0	0.0	20.3	0.5	0	0.0	21.8	0.4
LF2GMP-09	0	0.0	20.5	0.4	0	0.0	20.8	0.0	0	0.0	20.4	0.1	0	0.0	20.4	0.3	0	0.0	21.9	0.3
LF2VENT-01	8	0.5	20.2	0.8	19	0.9	18.8	0.7	0	0.0	19.9	0.0	0	0.0	19.6	0.6	34	1.7	19.9	0.9
LF2VENT-02	1	0.1	21.7	0.2	0	0.0	20.8	0.0	0	0.0	19.8	0.0	4	0.2	20.7	0.1	0	0.0	21.9	0.2
LF2VENT-03	17	0.8	21.0	0.5	0	0.0	20.8	0.0	0	0.0	20.0	0.0	0	0	20.8	0.1	55	2.8	19.9	1.0
LF2VENT-04	2	0.1	19.5	1.8	0	0.0	20.6	0.0	0	0.0	20.1	0.0	>100	6.1	16.4	2.5	11	0.5	19.4	1.7
LF2VENT-05	21	1.1	19.9	1.1	0	0.0	20.4	0.0	0	0.0	20.3	0.0	>100	13.1	10.8	8.6	11	0.6	21.6	0.5
LF2VENT-06	67	3.4	17.0	3.0	0	0.0	20.2	0.0	8	0.4	18.2	0.8	>100	29.2	0.0	23.0	>100	6.8	14.7	6.8
LF2VENT-07	0	0.0	20.1	0.1	0	0.0	20.8	0.0	0	0.0	20.5	0.0	7	0.3	18.6	0.5	0	0.0	22.0	0.1
LF2VENT-08	4	0.2	17.5	1.5	0	0.0	21.0	0.0	0	0.0	20.3	0.0	0	0	21.0	0.0	0	0.0	22.1	0.1
LF2VENT-09	0	0.0	17.3	1.4	0	0.0	19.2	0.4	0	0.0	20.2	0.0	0	0	21.0	0.0	0	0.0	22.1	0.1
LF2VENT-10	0	0.0	19.6	0.6	0	0.0	21.2	0.0	0	0.0	20.2	0.0	0	0	20.9	0.0	0	0.0	22.0	0.1
LF2VENT-11	10	0.5	17.8	1.3	0	0.0	20.9	0.0	0	0.0	20.1	0.0	0	0	20.9	0.1	2	0.1	21.5	0.3
LF2VENT-12	66	3.2	13.6	4.6	0	0.0	20.9	0.0	0	0.0	20.2	0.0	0	0	21.0	0.1	4	0.2	21.3	0.4
LF2VENT-13	9	0.5	19.0	0.4	0	0.0	20.8	0.0	0	0.0	19.9	0.0	4	0.2	19.8	0.4	9	0.4	21.0	0.4
LF2VENT-14	40	2.0	18.8	0.7	0	0.0	20.8	0.0	0	0.0	20.4	0.0	14	0.5	17.9	1.0	92	4.6	16.4	1.7

Notes:

NI Not Installed

--- Not monitored

Table 3-1

Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	6-May-10				26-Oct-10				13-May-11				19-Oct-11				9-May-12			
	Barometric Pressure (in.) = 29.05-29.06				Barometric Pressure (in.) = 29.24				Barometric Pressure (in.) = 29.21				Barometric Pressure (in.) = 29.11-29.14				Barometric Pressure (in.) = 28.89-28.95			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	16.9	2.2	0	0.0	18.5	1.6	0	0.0	20.2	0.5	0	0.0	16.3	2.8	0	0.0	21.7	0.0
LF2GMP-02	>100	5.4	1.0	16.3	0	0.0	15.8	4.8	4	0.2	18.4	1.4	>100	7.6	4.6	16.6	0	0.0	22.0	0.0
LF2GMP-03	0	0.0	21.0	0.0	0	0.0	17.4	2.5	0	0.0	19.5	1.3	0	0.0	19.0	2.3	0	0.0	22.0	0.0
LF2GMP-04	0	0.0	21.0	0.0	0	0.0	18.1	1.8	0	0.0	20.6	0.0	0	0.0	21.2	0.2	31	1.6	20.8	0.4
LF2GMP-05	0	0.0	21.0	0.0	0	0.0	18.4	1.5	0	0.0	11.7	2.1	>100	7.6	0.5	12.3	9	0.4	21.4	0.2
LF2GMP-06	0	0.0	21.3	0.0	3	0.2	17.4	2.2	0	0.0	8.8	5.3	0	0.0	6.2	10.2	>100	12.9	10.8	9.4
LF2GMP-07	0	0.0	20.9	0.5	5	0.3	18.1	2.3	0	0.0	18.7	1.5	0	0.0	19.2	2.9	0	0.0	21.5	0.1
LF2GMP-08	0	0.0	20.5	0.6	0	0.0	18.4	1.8	0	0.0	19.9	0.8	0	0.0	21.1	0.9	32	1.9	18.1	1.2
LF2GMP-09	0	0.0	21.0	0.3	0	0.0	18.9	1.3	0	0.0	20.3	0.3	0	0.0	21.8	0.0	0	0.0	22.3	0.1
LF2VENT-01	43	2.1	18.4	1.1	0	0.0	19.5	0.6	51	2.5	17.0	1.1	33	1.6	18.8	1.4	0	0.0	22.1	0.0
LF2VENT-02	0	0.0	21.0	0.0	0	0.0	19.4	0.6	2	0.1	20.0	0.0	0	0.0	21.9	0.0	0	0.0	22.3	0.1
LF2VENT-03	7	0.3	20.4	0.3	0	0.0	19.4	0.7	16	0.7	19.1	0.4	0	0.0	21.8	0.0	0	0.0	22.6	0.1
LF2VENT-04	41	2.0	14.2	5.2	1	0.0	19.1	0.9	86	5.2	16.6	1.2	60	2.8	17.6	1.9	2	0.1	22.1	0.1
LF2VENT-05	77	3.8	16.7	3.8	0	0.0	19.1	0.9	45	2.6	18.2	1.4	20	1.0	18.8	1.6	0	0.0	22.3	0.1
LF2VENT-06	>100	7.1	12.0	7.9	0	0.0	18.8	1.3	>100	9.5	9.5	8.5	>100	13.2	12.2	9.3	0	0.0	17.1	3.0
LF2VENT-07	2	0.1	17.2	1.1	0	0.0	19.5	0.6	5	0.3	17.7	0.5	0	0.0	22.0	0.0	75	3.6	3.8	14.2
LF2VENT-08	0	0.0	19.0	1.0	6	0.3	19.1	1.1	3	0.1	16.0	1.6	0	0.0	16.3	2.3	0	0.0	21.7	0.1
LF2VENT-09	0	0.0	18.4	1.8	7	0.4	19.4	0.8	3	0.1	12.7	2.1	10	0.5	11.1	4.1	4	0.2	21.5	0.4
LF2VENT-10	0	0.0	20.8	0.1	0	0.0	19.5	0.7	0	0.0	18.2	0.3	0	0.0	20.3	0.4	0	0.0	22.2	0.1
LF2VENT-11	6	0.3	17.5	1.4	0	0.0	19.5	0.7	12	0.6	14.7	1.5	0	0.0	20.0	0.6	0	0.0	22.7	0.0
LF2VENT-12	15	0.7	18.4	1.4	0	0.0	19.5	0.7	76	4.0	14.9	1.0	0	0.0	21.7	0.1	0	0.0	21.0	1.9
LF2VENT-13	36	1.8	18.4	0.9	0	0.0	19.4	0.6	37	1.8	17.3	0.7	13	0.6	19.1	0.9	0	0.0	21.2	1.0
LF2VENT-14	34	1.7	14.5	2.5	0	0.0	19.5	0.6	76	4.0	14.9	1.0	2	0.1	21.4	0.1	0	0.0	22.1	0.4

Notes:

NI Not Installed

--- Not monitored

Table 3-1

Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	4-Oct-12																			
	Barometric Pressure (in.) = 29.43-29.57				Barometric Pressure (in.) =				Barometric Pressure (in.) =				Barometric Pressure (in.) =				Barometric Pressure (in.) =			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	17.3	2.4																
LF2GMP-02	>100	8.4	0.0	21.7																
LF2GMP-03	0	0.0	20.8	0.0																
LF2GMP-04	0	0.0	20.8	0.0																
LF2GMP-05	63	3.0	3.3	13.9																
LF2GMP-06	0	0.0	20.6	0.5																
LF2GMP-07	0	0.0	19.0	2.3																
LF2GMP-08	0	0.0	20.6	0.5																
LF2GMP-09	0	0.0	20.6	0.3																
LF2VENT-01	0	0.0	20.9	0.0																
LF2VENT-02	0	0.0	21.0	0.0																
LF2VENT-03	0	0.0	21.0	0.0																
LF2VENT-04	4	0.2	18.7	1.1																
LF2VENT-05	12	0.6	20.3	0.7																
LF2VENT-06	92	4.6	10.3	10.3																
LF2VENT-07	0	0.0	21.0	0.0																
LF2VENT-08	0	0.0	21.0	0.0																
LF2VENT-09	0	0.0	21.0	0.0																
LF2VENT-10	0	0.0	21.0	0.0																
LF2VENT-11	0	0.0	21.0	0.0																
LF2VENT-12	2	0.1	20.0	0.2																
LF2VENT-13	0	0.0	21.0	0.0																
LF2VENT-14	0	0.0	20.9	0.0																

Notes:

NI Not Installed

--- Not monitored

Table 3-2
Landfill 2/3 AOC LTM Network

Sampling Locations	Screen Interval Depth (ft MSL)	Sampling Rationale	Target Analytes/ Method Numbers[1]	Matrix	# of Samples	Sampling Frequency	Evaluation Criteria
Groundwater		----------	Landfill Leachate Indicators:	Water	9	Biennially	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells.
LF2MW2-1	516.28' – 506.28'	Downgradient from potential source	Anions – SW9056				
LF2MW-4	526.17' – 516.19'	Downgradient from potential source	Nitrogen (TKN) – 351.2				
LF2MW-12	521.5'– 511.5'	Downgradient from potential source	Ammonia – 350.1				
LF2MW-13	519.98' – 509.98'	Downgradient from potential source	COD – 410.4				
LF2MW-14	531.35' – 521.35'	Upgradient from potential source	BOD – 405.1				
LF2MW-100	475.2'– 465.2'	Downgradient from potential source	TOC – SW9060				
			TDS – 160.1				
Surface Water	Depth to groundwater ranged from 3.12 to 29.79 ft bgs.		Alkalinity – 310.2				
LF2SW-1		Potential contaminant receptor	Phenols – SW9066				
LF2SW-2		Potential contaminant receptor	Hardness – 130.2				
LF2SW-3		Potential contaminant receptor	Color – 110.2				
			Boron – SW6010B				
Gas Sampling Gas monitoring probes/vents		In accordance with 6 NYCRR 360-2.17(f)	Methane (FID/CGI)	Gas	9 probes 14 vents	Semiannual	

[1] Baseline parameters based on 6 NYCRR Part 360, Subpart 2, Appendix A.

Table 3-3
Landfill 2/3 AOC Historical LTM Network Optimization

Sampling Locations	Sampling Rationale	Target Analytes/ Method Numbers[1]	Sampling Frequency	Evaluation Criteria
Historical LTM Network Changes				
November 2011 (CERCLA Sites Optimization Plans)				
Analysis/Frequency Changes				
Groundwater LF2MW2-1 LF2MW-4 LF2MW-12 LF2MW-13 LF2MW-14 LF2MW-100 **Surface Water** LF2SW-1 LF2SW-2 LF2SW-3	---------- Downgradient from potential source Downgradient from potential source Downgradient from potential source Downgradient from potential source Upgradient from potential source Downgradient from potential source Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	<u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Biennially	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells.
January 2011				
Analysis/Frequency Changes				
Gas Sampling 9 Gas monitoring probes and 14 gas vents	In accordance with 6 NYCRR 360-2,17 (f)	Methane LEL Oxygen Carbon dioxide Barometric Pressure	Semi-annualy	Reduce monitoring frequency to semi-annual as methane levels have stabilized throughout the site.
April 2008				
Analysis/Frequency Changes				
All groundwater monitoring wells utilizing low flow sampling	--	<u>Metals</u> – SW6010B (except Hg)	Semi-annually Annually (Baseline)	Samples collected for metals analysis will be analyzed for total concentrations only.

Table 3-3 (continued)
Landfill 2/3 AOC Historical LTM Network Optimization

April 2006				
Analysis/Frequency Changes				
Groundwater LF2MW2-1 LF2MW-4 LF2MW-12 LF2MW-13 LF2MW-100 **Surface Water** LF2SW-1 LF2SW-2 LF2SW-3	---------- Downgradient from potential source Downgradient from potential source Downgradient from potential source Downgradient from potential source Bedrock, downgradient from potential source ---------- Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	<u>Metals</u> – SW6010B (except Hg) <u>Landfill Leachate Indicators:</u> Anions –SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Hardness – 130.2 Color[2] – 110.2 Boron[2]– SW6010B	Semi-annually (Routine) Annually (Baseline)	Reduce sampling frequency from quarterly to semi-annually. Sampling frequency was reduced, due to the low concentrations of COCs.
All groundwater monitoring wells and surface water sampling locations	--	<u>Metals</u> – SW6010B (except Hg)	Semi-annually Annually (Baseline)	Samples collected for metals analysis will be analyzed for both dissolved and total concentrations.

Table 3-3 (continued)
Landfill 2/3 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
April 2008				
Analysis/Frequency Changes				
All groundwater monitoring wells and surface water sampling locations	--	Metals – SW6010B (except Hg) Landfill Leachate Indicators: Anions –SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Hardness – 130.2 Color[2] – 110.2 Boron[2]– SW6010B	Quarterly (Routine) Semi-annually Annually (Baseline)	Analytes list was reduced, due to the low concentrations or absence of particular COCs. The following analytes were removed: cyanide, mercury, phenols, and VOCs.

Table 3-3 (continued)
Landfill 2/3 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
January 2005				
Analysis/Frequency Changes				
All groundwater monitoring wells and surface water sampling locations	--	VOCs – SW8260 Metals – SW6010B (except Hg) Mercury – SW7470 Cyanide – SW9010 Landfill Leachate Indicators: Anions –SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Annually (Baseline)	It was recommended that baseline sampling be postponed until the March 2005 sampling round. By postponing the baseline sampling at the Landfill 2/3 AOC, baseline parameters were collected at all on-base landfill AOCs (Landfills 1, 2/3, 5, and 7) during a single sampling event (March/spring sampling round).
November 2004				
Added Sampling Locations				
LF2GMP-8 LF2GMP-9	POC Gas Monitoring Probes	Methane LEL Oxygen Carbon Dioxide Barometric Pressure	Quarterly	Quarterly monitoring with semi-annual evaluation and recommendations.

1 Target analytes are based on 6 NYCRR Part 360, Subpart 2, Appendix A.
2 Analyses only performed in baseline sampling. (Unless otherwise specified, parameters are analyzed on a routine/quarterly basis.)

Table 4-1
Landfill 7 AOC LTM Network

Sampling Locations	Screen Interval Depth (ft MSL)	Sampling Rationale	Target Analytes/ Method Numbers[1]	Matrix	# of Samples	Sampling Frequency	Evaluation Criteria
Groundwater		----------	Landfill Leachate Indicators:	Water	10	Biennially	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells.
LF7MW-22	479.12' – 474.19'	Downgradient from source, within plume	Anions – SW9056				
			Nitrogen (TKN) – 351.2				
LF7MW-23	482.03' – 472.01'	Downgradient from source, cross-gradient from plume	Ammonia – 350.2				
			COD – 410.4				
LF7MW-26	495.53' – 485.53'	Downgradient from source, within plume	BOD – 405.1				
			TOC – SW9060				
LF7MW-27	500.91' – 490.91'	Downgradient from source	TDS – 160.1				
LF7MW-28	484.31' – 474.31'	POC well	Alkalinity – 310.1				
LF7MW-29	514.56' – 504.56'	Upgradient from source	Phenols – SW9066				
LF7MW-30	494.67' – 484.67'	Downgradient from source	Hardness – 130.2				
LF7MW-100	470.57' – 460.57'	Downgradient from source, within plume, Bedrock well	Color – 110.2				
			Boron – SW6010B				
	----------	----------					
Surface Water	Depth to groundwater ranged from less than 1 ft to 17.71 ft bgs.						
LF7WL-3		Potential contaminant receptor					
LF7WL-4		Potential contaminant receptor					

1 Baseline parameters based on 6 NYCRR Part 360, Subpart 2, Appendix A.

Table 4-2
Landfill 7 AOC Historical LTM Network Optimization

Sampling Locations	Sampling Rationale	Target Analytes/ Method Numbers[1]	Sampling Frequency	Evaluation Criteria
Historical LTM Network Changes				
November 2011 (CERCLA Sites Optimization Plans)				
Analysis/Frequency Changes				
Groundwater LF7MW-22 LF7MW-23 LF7MW-26 LF7MW-27 LF7MW-28 LF7MW-29 LF7MW-30 LF7MW-100 **Surface Water** LF7WL-3 LF7WL-4	---------- Downgradient from source, within plume Downgradient from source, cross-gradient from plume Downgradient from source, within plume Downgradient from source POC well Upgradient from source Downgradient from source Downgradient from source, within plume, Bedrock well ---------- Potential contaminant receptor Potential contaminant receptor	<u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.2 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.1 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Biennially	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells.
November 2007				
Analysis/Frequency Changes				
All groundwater monitoring wells utilizing low flow sampling (except for LF7MW-23)	--	<u>Metals</u> – SW6010B (except Hg)	Semi-annually Annually (Baseline)	Samples collected for metals analysis will be analyzed for total concentrations only.

Table 4-2 (continued)
Landfill 7 AOC Historical LTM Network Optimization

April 2006				
Analysis/Frequency Changes				
Groundwater LF7MW-22 LF7MW-23 LF7MW-26 LF7MW-27 LF7MW-28 LF7MW-29 LF7MW-30 LF7MW-100 Leachate Samples **Surface Water** LF7WL-3 LF7WL-4	---------- Downgradient from source, within TCE plume Downgradient from source Downgradient from source, within TCE plume Downgradient from source Downgradient from source, POC well Upgradient from source Downgradient from source Bedrock, downgradient from source, within TCE plume If encountered ---------- Potential contaminant receptor Potential contaminant receptor	Same as above	Semi-annually	Reduce sampling frequency from quarterly to semi-annually for metals. Sampling frequency was reduced, due to the low concentrations of COCs.

Table 4-2 (continued)
Landfill 7 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
April 2006				
Analysis/Frequency Changes				
All groundwater monitoring wells and surface water sampling locations	--	Metals – SW6010B (except Hg)	Semi-annually	Samples collected for metals analysis will be analyzed for both dissolved and total concentrations.
All groundwater monitoring wells and surface water sampling locations	--	Metals – SW6010B (except Hg)	Semi-annually	Analytes list was reduced, due to the low concentrations or absence of particular COCs. The following analytes were removed: all leachate indicators, mercury, PCBs, and VOCs.

1 Target analytes are based on 6 NYCRR Part 360, Subpart 2, Appendix A.
2 Analyses only performed in baseline sampling.

Table 5-1
Landfill 5 AOC LTM Network

Sampling Locations	Screen Interval Depth (ft MSL)	Sampling Rationale	Target Analytes/ Method Numbers[1]	Matrix	# of Samples	Sampling Frequency	Evaluation Criteria
Groundwater		----------	Landfill Leachate Indicators:	Water	8	Biennially	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells.
LF5MW-3	459.25' – 449.25'	Downgradient of potential source and between landfill and hardfill	Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.2 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.1 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B				
MW49D07	455.51' – 445.51'	Downgradient from potential source					
LF5MW-5	459.49' – 449.49'	Downgradient from potential source					
LF5MW-100	405.92' – 395.92'	Bedrock, downgradient					
LF5MW-1A	465.6' – 455.6'	Upgradient from potential					
Leachate Samples		None encountered					
	----------	----------					
Surface Water	Depth to groundwater ranged from 4.90 to 21.80 ft bgs.						
LF5SW-1		Potential contaminant receptor					
LF5SW-2		Potential contaminant receptor					
LF5SW-3		Potential contaminant receptor					

1 Baseline parameters based on 6 NYCRR Part 360, Subpart 2, Appendix A.

Table 5-2
Landfill 5 AOC Historical LTM Network Optimization

Sampling Locations	Sampling Rationale	Target Analytes/ Method Numbers[1]	Sampling Frequency	Evaluation Criteria
Historical LTM Network Changes				
November 2011 (CERCLA Sites Optimization Plans)				
Analysis/Frequency Changes				
Groundwater LF5MW-3 MW49D07 LF5MW-5 LF5MW-100 LF5MW-1A Leachate Samples **Surface Water** LF5SW-1 LF5SW-2 LF5SW-3	---------- Downgradient of potential source and between landfill and hardfill Downgradient from potential source Downgradient from potential source Bedrock, downgradient Upgradient from potential None encountered ---------- Potential contaminant receptor Potential contaminant receptor Potential contaminant recept	<u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.2 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.1 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Biennially	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells.
April 2009				
Analysis/Frequency Changes				
LF5MW-100R	Bedrock, downgradient	<u>PCBs</u> – SW8082	Semi-annually (Routine) Annually (Baseline)	Remove PCB analysis. No PCBs have been detected for several sampling rounds.

Table 5-2 (continued)
Landfill 5 AOC Historical LTM Network Optimization

June 2007				
Analysis/Frequency Changes				
LF5MW-100R	Bedrock, downgradient	PCBs – SW8082	Semi-annually (Routine) Annually (Baseline)	Semi-annual monitoring with semi-annual evaluation and recommendations. Samples collected for PCB analysis will be analyzed for both dissolved and total concentrations.

Table 5-2 (continued)
Landfill 5 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
April 2006				
Analysis/Frequency Changes				
Groundwater LF5MW-3 MW49D07 LF5MW-5 LF5MW-100R LF5MW-1A Leachate Samples **Surface Water** LF5SW-1 LF5SW-2 LF5SW-3	---------- Downgradient of potential source and between landfill and hardfill Downgradient from potential source Downgradient from potential source Bedrock, downgradient Upgradient from potential source If encountered Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	Metals – SW6010B (except Hg)	Semi-annually	Reduce sampling frequency from quarterly to semi-annually. Sampling frequency was reduced, due to the low concentrations of COCs.
All groundwater monitoring wells and surface water sampling locations	--	Metals – SW6010B (except Hg)	Semi-annually	Samples collected for metals analysis will be analyzed for both dissolved and total concentrations.

Table 5-2 (continued)
Landfill 5 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
April 2006				
Analysis/Frequency Changes				
LF5MW-100R	Bedrock, downgradient	PCBs – SW8082	Semi-annually	Continued semi-annual sampling.
All groundwater monitoring wells and surface water sampling locations	--	Metals – SW6010B (except Hg)	Semi-annually	Analytes list was reduced, due to the low concentrations or absence of particular COCs. The following analytes were removed: all leachate indicators, mercury, PCBs, and VOCs.
March 2005				
Added Sampling Locations				
LF5MW-100R	Bedrock, downgradient	Same as above	Same as above	Quarterly monitoring with semi-annual evaluation and recommendations. Replaced bedrock monitoring well LF5MW-100.
Removed Sampling Locations				
LF5MW-100	Bedrock, downgradient	--	--	Removed from LTM network, the well's integrity was compromised when the concrete pad settled.

1 Target analytes are based on 6 NYCRR Part 360, Subpart 2, Appendix A.

Table 6-1
Landfill 6 Landfill Gas Monitoring Results

Sample Location	21-Dec-04				17-Jan-05				17-Feb-05				24-Mar-05				26-Apr-05			
	Barometric Pressure (in.) =			29.39	Barometric Pressure (in.) =			29.77	Barometric Pressure (in.) =			29.34	Barometric Pressure (in.) =			30.00	Barometric Pressure (in.) =			29.28
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-02	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	---	---	---	---	0	0.0	19.6	0.4
LF6GMP-03	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.5	0.1	0	0.0	20.8	0.0	0	0.0	20.7	0.0
LF6GMP-04	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.3	0.1	0	0.0	20.2	0.3	0	0.0	20.4	0.0
LF6GMP-05	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	19.7	0.6	0	0.0	20.8	0.0	0	0.0	20.4	0.1
LF6GMP-06	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	19.5	0.5	0	0.0	19.1	0.5	0	0.0	19.6	0.5
LF6GMP-07	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.7	0.0	0	0.0	16.6	2.7	0	0.0	15.9	3.6
LF6GMP-08	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	---	---	---	---	4	0.2	11.3	8.1
LF6GMP-09	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-10	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	---	---	---	---	0	0.0	20.4	0.1
LF6GMP-11	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	---	---	---	---	0	0.0	19.1	1.0
LF6GMP-12	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	---	---	---	---	0	0.0	16.7	3.5
LF6GMP-13	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	---	---	---	---	0	0.0	19.6	0.6
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.7	0.0	0	0.0	20.9	0.0	0	0.0	20.7	0.0
LF6GMP-15D	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.8	0.0	0	0.0	20.9	0.0	0	0.0	20.6	0.0
LF6GMP-16S	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.6	0.0	0	0.0	20.8	0.0	0	0.0	20.5	0.0
LF6GMP-16D	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.1	0.2	0	0.0	20.9	0.0	0	0.0	20.7	0.0
LF6GMP-17S	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.6	0.0	0	0.0	21.0	0.0	0	0.0	20.6	0.0
LF6GMP-17D	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.5	0.0	0	0.0	21.1	0.0	0	0.0	20.7	0.0
LF6VENT-01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-03	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-04	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-06	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-07	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-08	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-09	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-10	0	0.0	20.9	0.0	0	0.0	20.5	0.1	---	---	---	---	---	---	---	---	0	0.0	20.2	0.2
LF6VENT-11	0	0.0	18.2	1.8	0	0.0	17.4	2.1	---	---	---	---	---	---	---	---	0	0.0	18.7	0.9
LF6VENT-12	0	0.0	19.6	0.8	0	0.0	16.1	1.4	---	---	---	---	---	---	---	---	0	0.0	18.9	1.2
LF6VENT-13	0	0.0	20.6	0.3	0	0.0	14.7	3.4	---	---	---	---	---	---	---	---	0	0.0	17.6	1.0
LF6VENT-14	4	0.2	21.4	0.0	0	0.0	18.7	0.8	---	---	---	---	---	---	---	---	0	0.0	18.5	1.1
LF6VENT-15	2	0.1	21.4	0.0	0	0.0	17.6	0.9	---	---	---	---	---	---	---	---	0	0.0	17.6	1.4
LF6VENT-16	4	0.2	21.5	0.0	0	0.0	17.4	1.7	---	---	---	---	---	---	---	---	0	0.0	15.5	2.7

Notes:
NI = Not Installed.
NS = Not Sampled.
--- = Not Monitored.

Table 6-1
Landfill 6 Landfill Gas Monitoring Results

Sample Location	26-May-05				24-Jun-05				2-Aug-05				30-Aug-05				10-Oct-05			
	Barometric Pressure (in.) =			29.23	Barometric Pressure (in.) =			29.61	Barometric Pressure (in.) =			29.55	Barometric Pressure (in.) =			29.38	Barometric Pressure (in.) =			29.55
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	15.1	1.0
LF6GMP-02	0	0.0	18.0	1.8	0	0.0	49.1	0.6	---	---	---	---	0	0.0	15.1	4.2	2	0.1	20.7	0.0
LF6GMP-03	0	0.0	20.7	0.1	0	0.0	20.2	0.1	---	---	---	---	0	0.0	18.4	1.0	0	0.0	20.7	0.0
LF6GMP-04	0	0.0	19.6	0.9	0	0.0	19.3	0.6	---	---	---	---	0	0.0	17.4	2.4	0	0.0	20.5	0.1
LF6GMP-05	2	0.1	20.3	0.5	0	0.0	19.6	0.5	---	---	---	---	0	0.0	18.8	1.6	0	0.0	20.4	0.1
LF6GMP-06	2	0.1	19.9	0.5	0	0.0	19.3	0.6	---	---	---	---	0	0.0	19.1	1.5	0	0.0	19.1	1.2
LF6GMP-07	0	0.0	20.9	0.1	0	0.0	19.4	0.7	---	---	---	---	0	0.0	14.4	5.9	0	0.0	20.8	0.0
LF6GMP-08	6	0.3	13.6	7.5	42	2.1	6.4	18.6	---	---	---	---	98	4.9	2.8	28.5	94	4.7	5.7	17.5
LF6GMP-09	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	2	0.1	18.7	0.5
LF6GMP-10	2	0.1	20.9	0.0	0	0.0	18.9	1.6	---	---	---	---	0	0.0	18.5	2.3	2	0.1	18.5	2.1
LF6GMP-11	2	0.1	18.8	2.1	0	0.0	18.1	2.5	---	---	---	---	0	0.0	15.9	5.2	2	0.1	20.6	0.1
LF6GMP-12	0	0.0	14.1	6.7	0	0.0	17.6	3.7	---	---	---	---	0	0.0	15.3	4.3	0	0.0	17.4	2.7
LF6GMP-13	2	0.1	19.8	0.9	0	0.0	18.3	1.9	---	---	---	---	0	0.0	16.9	3.5	2	0.1	16.6	3.7
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	0	0.0	20.8	0.0	0	0.0	20.7	0.0	0	0.0	20.6	0.0	0	0.0	20.3	0.3	0	0.0	20.6	0.0
LF6GMP-15D	0	0.0	21.0	0.0	0	0.0	20.6	0.0	0	0.0	20.5	0.0	0	0.0	20.6	0.1	0	0.0	20.7	0.0
LF6GMP-16S	0	0.0	20.6	0.0	0	0.0	20.2	0.2	0	0.0	20.1	0.2	0	0.0	20.0	0.4	0	0.0	20.2	0.2
LF6GMP-16D	0	0.0	20.3	0.2	0	0.0	20.7	0.0	0	0.0	20.6	0.0	0	0.0	20.0	0.4	0	0.0	20.2	0.2
LF6GMP-17S	0	0.0	20.7	0.1	0	0.0	20.3	0.1	0	0.0	20.3	0.1	0	0.0	20.3	0.3	0	0.0	20.2	0.2
LF6GMP-17D	0	0.0	20.8	0.0	0	0.0	20.6	0.0	0	0.0	20.4	0.0	0	0.0	20.4	0.2	0	0.0	20.2	0.1
LF6VENT-01	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	14	0.7	5.1	2.2	0	0.0	19.5	0.2
LF6VENT-02	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	>100	9.6	2.5	0.0	0	0.0	20.7	0.0
LF6VENT-03	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	>100	23.8	0.0	15.2	0	0.0	20.4	0.4
LF6VENT-04	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	>100	8.5	10.7	3.7	>100	14.5	4.9	9.4
LF6VENT-05	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	>100	7.4	0.4	19.8	0	0.0	16.2	2.8
LF6VENT-06	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	>100	6.3	5.4	1.1	0	0.0	20.7	0.0
LF6VENT-07	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	0	0.0	6.4	13.7	0	0.0	20.7	0.0
LF6VENT-08	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	80	4.0	1.2	20.6	0	0.0	20.7	0.0
LF6VENT-09	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	0	0.0	15.6	4.4	0	0.0	20.8	0.0
LF6VENT-10	0	0.0	21.0	0.0	0	0.0	20.3	0.2	---	---	---	---	18	0.9	1.8	18.8	0	0.0	20.8	0.0
LF6VENT-11	0	0.0	21.0	0.0	0	0.0	18.4	1.6	---	---	---	---	0	0.0	12.0	7.8	0	0.0	20.7	0.0
LF6VENT-12	0	0.0	13.5	5.1	0	0.0	18.9	1.5	---	---	---	---	46	2.3	0.9	22.3	0	0.0	20.8	0.0
LF6VENT-13	0	0.0	17.2	2.6	0	0.0	16.2	2.8	---	---	---	---	0	0.0	7.8	11.1	0	0.0	20.7	0.0
LF6VENT-14	0	0.0	21.2	0.0	0	0.0	17.6	2.0	---	---	---	---	0	0.0	11.4	7.7	0	0.0	20.8	0.0
LF6VENT-15	0	0.0	21.1	0.0	0	0.0	10.6	8.1	---	---	---	---	>100	5.1	0.0	26.0	0	0.0	20.7	0.0
LF6VENT-16	0	0.0	21.2	0.0	0	0.0	11.9	6.2	---	---	---	---	38	1.9	0.3	19.5	0	0.0	20.7	0.0

Notes:
NI = Not Installed.
NS = Not Sampled.
--- = Not Monitored.

Table 6-1
Landfill 6 Landfill Gas Monitoring Results

Sample Location	14-Nov-05				1-Dec-05				9-Jan-06				13-Jul-06				9-Oct-06			
	Barometric Pressure (in.) =			30.32	Barometric Pressure (in.) =			29.94	Barometric Pressure (in.) =			29.79	Barometric Pressure (in.) =			29.77-30.04	Barometric Pressure (in.) =			29.51-29.65
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	0	0.0	14.0	0.8	0	0.0	19.2	0.3	0	0.0	17.2	0.5	0.0	0.0	16.5	11.2	0	0.0	9.6	3.0
LF6GMP-02	0	0.0	20.6	0.0	0	0.0	12.3	5.2	0	0.0	16.7	2.7	0.0	0.0	20.6	0.0	0	0.0	20.2	0.2
LF6GMP-03	0	0.0	20.6	0.0	0	0.0	18.3	0.7	0	0.0	19.3	0.4	0.0	0.0	20.6	0.0	0	0.0	21.0	0.1
LF6GMP-04	0	0.0	20.5	0.0	0	0.0	20.6	0.2	0	0.0	19.2	1.1	0.0	0.0	20.4	0.0	0	0.0	15.9	4.1
LF6GMP-05	0	0.0	20.6	0.0	0	0.0	18.2	1.9	0	0.0	20.5	0.0	0.0	0.0	20.6	0.0	0	0.0	18.1	2.1
LF6GMP-06	0	0.0	19.6	0.4	0	0.0	18.5	1.6	0	0.0	19.2	0.8	0.0	0.0	20.6	0.0	0	0.0	21.0	0.3
LF6GMP-07	0	0.0	20.5	0.0	0	0.0	13.6	6.1	0	0.0	20.2	0	0.0	0.0	20.6	0.0	0	0.0	13.7	6.1
LF6GMP-08	50	2.5	13.7	7.1	>100	9.1	0.1	24.0	>100	7.5	0.0	22.2	72.0	3.6	0.0	29.8	20	1.0	1.8	15.2
LF6GMP-09	0	0.0	20.5	0	0	0	15.5	4.1	0	0	18.2	1.3	0.0	0.0	20.7	0.0	0	0	20.3	0.6
LF6GMP-10	0	0.0	20.2	0.2	0	0.0	20.7	0.3	0	0.0	20.1	0.4	0.0	0.0	20.3	0.0	0	0.0	19.7	1.8
LF6GMP-11	0	0.0	20.5	0.0	0	0.0	16.0	3.3	0	0.0	20.5	o	0.0	0.0	20.6	0.0	0	0.0	14.8	5.5
LF6GMP-12	0	0.0	19.8	0.4	0	0.0	16.40	3.6	0	0.0	18.00	2.0	0.0	0.0	20.6	0.0	0	0.0	13.40	6.2
LF6GMP-13	0	0.0	16.0	3.4	0	0.0	16.5	3.4	0	0.0	16.6	3.3	0.0	0.0	20.4	0.1	0	0.0	15.6	4.0
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	0	0.0	20.4	0.0	0	0.0	20.4	0.2	0	0.0	20.3	0.1	---	---	---	---	---	---	---	---
LF6GMP-15D	0	0.0	20.5	0.0	0	0.0	20.6	0.0	0	0.0	20.4	0.1	---	---	---	---	---	---	---	---
LF6GMP-16S	0	0.0	20.2	0.0	0	0.0	20.2	0.2	0	0.0	19.8	0.4	---	---	---	---	---	---	---	---
LF6GMP-16D	0	0.0	20.4	0.0	0	0.0	19.9	0.3	0	0.0	20.5	0.0	---	---	---	---	---	---	---	---
LF6GMP-17S	0	0.0	20.3	0.0	0	0.0	20.5	0.2	0	0.0	20.2	0.2	---	---	---	---	---	---	---	---
LF6GMP-17D	0	0.0	20.4	0.0	0	0.0	20.6	0.0	0	0.0	20.4	0.0	---	---	---	---	---	---	---	---
LF6VENT-01	0	0.0	20.5	0.0	0	0.0	15.8	0.2	0	0.0	20.5	0.0	0.0	0.0	19.1	0.3	1	0.1	14.6	1.2
LF6VENT-02	0	0.0	20.6	0.0	30	1.5	11.6	0.0	0	0.0	20.5	0.0	0.0	0.0	20.5	0.0	15	0.8	16.8	0.1
LF6VENT-03	0	0.0	20.5	0.0	34	1.7	4.4	7.1	0	0.0	20.3	0.0	0.0	0.0	18.4	1.3	18	0.9	15.6	2.8
LF6VENT-04	0	0.0	20.5	0.0	>100	5.9	4.2	4.5	0	0.0	20.4	0.0	62.0	3.1	12.9	4.4	>100	5.1	14.3	2.2
LF6VENT-05	0	0.0	20.4	0.0	0	0.0	9.8	6.7	0	0.0	20.3	0.0	0.0	0.0	19.9	0.3	0	0.0	19.3	1.4
LF6VENT-06	0	0.0	20.5	0.0	52	2.6	11.6	0.0	0	0.0	20.4	0.0	0.0	0.0	19.2	0.0	7	0.4	14.5	0.5
LF6VENT-07	0	0.0	20.5	0.0	0	0.0	15.4	3.7	0	0.0	20.4	0.0	0.0	0.0	18.6	1.4	0	0.0	12.6	5.2
LF6VENT-08	0	0.0	20.6	0.0	0	0.0	16.6	2.5	0	0.0	20.4	0.0	0.0	0.0	19.0	1.0	0	0.0	17.9	1.7
LF6VENT-09	0	0.0	20.5	0.0	0	0.0	17.8	1.9	0	0.0	20.6	0.0	0.0	0.0	19.3	0.4	0	0.0	16.2	3.1
LF6VENT-10	0	0.0	20.5	0.0	0	0.0	15.5	3.2	0	0.0	20.5	0.0	0.0	0.0	18.7	2.2	0	0.0	9.4	6.5
LF6VENT-11	0	0.0	20.5	0.0	0	0.0	16.1	3.2	0	0.0	20.2	0.0	0.0	0.0	19.1	0.8	0	0.0	6.2	7.3
LF6VENT-12	0	0.0	20.5	0.0	0	0.0	15.5	3.5	0	0.0	20.4	0.0	0.0	0.0	18.4	2.7	0	0.0	16.6	3.1
LF6VENT-13	0	0.0	20.5	0.0	0	0.0	13.4	4.8	0	0.0	20.5	0.0	0.0	0.0	16.4	2.6	0	0.0	12.7	5.4
LF6VENT-14	0	0.0	20.5	0.0	0	0.0	13.6	4.3	0	0.0	20.2	0.0	0.0	0.0	16.4	2.7	0	0.0	14.0	3.9
LF6VENT-15	0	0.0	20.5	0.0	0	0.0	8.9	7.3	0	0.0	20.3	0.0	0.0	0.0	13.8	7.1	5	0.3	9.7	7.4
LF6VENT-16	0	0.0	19.7	0.4	48	2.4	1.3	13.5	0	0.0	20.2	0.0	16.0	0.8	3.3	16.2	0	0.0	10.3	5.3

Notes:
NI = Not Installed.
NS = Not Sampled.
--- = Not Monitored.

Table 6-1
Landfill 6 Landfill Gas Monitoring Results

Sample Location	4-Jan-07				1-Jun-07				31-Jul-07				6-Oct-07				29-Jan-08			
	Barometric Pressure (in.) =			29.35-29.40	Barometric Pressure (in.) =			29.41-29.52	Barometric Pressure (in.) =			29.36-29.48	Barometric Pressure (in.) =			29.94	Barometric Pressure (in.) =			29.06-29.42
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	0	0.0	19.4	0.4	0	0.0	14.9	1.7	0	0.0	16.1	2.5	0	0.0	13.1	3.3	0	0.0	18.0	1.3
LF6GMP-02	0	0.0	10.0	6.4	0	0.0	8.9	6.7	0	0.0	11.1	6.3	0	0.0	18.2	1.9	0	0.0	10.3	7.0
LF6GMP-03	0	0.0	13.9	2.5	0	0.0	14.9	1.7	0	0.0	15.4	2.1	0	0.0	17.2	1.7	0	0.0	19.0	1.0
LF6GMP-04	0	0.0	12.9	7.1	0	0.0	13.9	6.0	0	0.0	13.1	6.3	0	0.0	14.1	5.9	0	0.0	14.7	5.9
LF6GMP-05	0	0.0	20.5	0.4	0	0.0	18.2	1.7	0	0.0	18.8	1.8	0	0.0	18.4	2.0	0	0.0	18.2	2.3
LF6GMP-06	0	0.0	18.3	2.3	0	0.0	18.2	1.7	0	0.0	19.2	1.6	0	0.0	17.9	2.5	0	0.0	18.3	2.2
LF6GMP-07	0	0.0	20.9	0.1	0	0.0	15.2	5.2	0	0.0	15.7	5.0	0	0.0	15.8	4.8	0	0.0	15.7	5.2
LF6GMP-08	0	0.0	20.6	0.4	0	0.0	3.6	19.1	0	0.0	9.2	11.3	0	0.0	5.1	16.0	0	0.0	5.4	11.5
LF6GMP-09	0	0.0	20.2	0.6	0	0.0	18.3	3.4	0	0.0	19.1	1.6	0	0.0	14.1	6.5	0	0.0	16.8	4.0
LF6GMP-10	0	0.0	20.6	1.0	0	0.0	20.0	0.4	0	0.0	20.0	1.0	0	0.0	20.0	0.7	0	0.0	19.9	1.1
LF6GMP-11	0	0.0	18.6	2.6	0	0.0	18.5	2.4	0	0.0	17.9	3.2	0	0.0	17.7	3.2	0	0.0	19.0	2.3
LF6GMP-12	0	0.0	19.5	1.3	0	0.0	18.1	3.1	0	0.0	17.4	3.5	0	0.0	17.4	7.5	0	0.0	18.3	2.7
LF6GMP-13	0	0.0	18.3	2.2	0	0.0	19.2	1.3	0	0.0	19.3	1.7	0	0.0	19.7	1.1	0	0.0	19.6	1.9
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-15D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-16S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-16D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-17S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-17D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6VENT-01	12	0.6	10.8	0.8	0	0.0	17.1	1.2	0	0.0	12.6	1.0	6	0.3	12.6	1.4	7	0.4	9.5	1.4
LF6VENT-02	83	4.2	4.2	0.1	38	1.9	11.6	0.2	32	1.6	10.6	0.4	>100	6.1	1.3	0.5	>100	5.8	0.6	0.2
LF6VENT-03	99	5.0	3.2	7.9	0	0.0	13.2	4.8	18	0.9	8.4	7.7	>100	5.3	6.7	9.2	>100	6.8	2.7	10.3
LF6VENT-04	>100	9.5	0.4	4.0	>100	9.4	9.1	5.7	>100	12.1	4.5	7.3	>100	15.7	6.2	6.0	>100	14.6	0.5	5.5
LF6VENT-05	3	0.2	6.7	6.1	0	0.0	19.1	1.4	0	0.0	14.2	4.5	0	0.0	13.4	5.5	32	1.6	3.0	11.9
LF6VENT-06	66	3.3	8.4	0.5	0	0.0	16.1	0.2	7	0.3	9.7	0.3	30	1.5	11.4	0.4	84	4.2	2.3	0.5
LF6VENT-07	0	0.0	13.4	5.1	0	0.0	19.5	1.4	0	0.0	15.2	4.2	0	0.0	13.8	5.3	>100	0.0	9.9	8.6
LF6VENT-08	0	0.0	13.5	3.9	0	0.0	17.9	2.5	0	0.0	17.8	2.4	0	0.0	10.3	6.7	0	0.0	8.8	7.8
LF6VENT-09	0	0.0	19.8	0.7	0	0.0	19.8	0.6	0	0.0	17.6	1.9	0	0.0	16.6	3.1	0	0.0	15.4	4.8
LF6VENT-10	0	0.0	13.2	4.1	0	0.0	17.7	2.9	0	0.0	13.7	4.9	0	0.0	6.2	10.1	0	0.0	5.9	9.4
LF6VENT-11	0	0.0	16.4	3.3	0	0.0	19.0	1.0	0	0.0	15.8	3.3	0	0.0	14.1	5.0	0	0.0	6.3	8.0
LF6VENT-12	0	0.0	18.0	1.5	0	0.0	18.3	2.5	0	0.0	14.5	5.3	0	0.0	3.8	12.8	0	0.0	14.8	5.2
LF6VENT-13	0	0.0	14.9	4.3	0	0.0	16.8	3.0	0	0.0	12.0	6.0	0	0.0	10.9	7.9	0	0.0	11.5	8.1
LF6VENT-14	0	0.0	15.7	3.4	0	0.0	17.2	2.8	0	0.0	15.9	3.8	0	0.0	14.4	4.6	0	0.0	12.3	7.8
LF6VENT-15	0	0.0	19.7	0.8	0	0.0	5.0	13.5	0	0.0	4.6	12.2	8	0.4	1.4	17.3	0	0.0	5.0	12.5
LF6VENT-16	0	0.0	20.9	0.2	0	0.0	3.0	13.6	1	0.0	15.2	4.7	0	0.0	4.0	12.3	0	0.0	4.8	10.1

Notes:
NI = Not Installed.
NS = Not Sampled.
--- = Not Monitored.

Table 6-1
Landfill 6 Landfill Gas Monitoring Results

Sample Location	17-Apr-08				16-Jul-08				18-Nov-08				14-Jan-09				28-Apr-09			
	Barometric Pressure (in.) =			30.01-30.02	Barometric Pressure (in.) =			NA	Barometric Pressure (in.) =			29.60-29.63	Barometric Pressure (in.) =			29.17-29.66	Barometric Pressure (in.) =			29.41-29.47
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	0	0.0	18.5	0.4	0	0.0	19.4	0.7	0	0.0	20.1	0.4	0	0.0	19.2	1.4	0	0.0	20.7	0.0
LF6GMP-02	0	0.0	13.5	4.2	0	0.0	12.7	4.3	0	0.0	21.5	0.1	0	0.0	12.5	6.4	0	0.0	11.5	4.8
LF6GMP-03	0	0.0	16.6	1.5	0	0.0	15.5	1.8	0	0.0	20.8	0.0	0	0.0	16.8	2.5	0	0.0	16.0	2.0
LF6GMP-04	0	0.0	16.7	3.6	0	0.0	19.6	4.9	0	0.0	21.0	0.0	0	0.0	16.0	5.0	0	0.0	21.0	0.0
LF6GMP-05	0	0.0	19.3	1.4	0	0.0	18.9	1.1	0	0.0	21.3	0.0	0	0.0	19.3	2.2	0	0.0	18.8	1.8
LF6GMP-06	0	0.0	19.3	1.2	0	0.0	18.6	1.3	0	0.0	21.2	0.0	0	0.0	19.8	1.8	0	0.0	18.9	1.5
LF6GMP-07	2	0.1	16.5	4.2	0	0.0	16.3	4.0	0	0.0	21.2	0.1	0	0.0	16.4	4.9	0	0.0	16.3	4.3
LF6GMP-08	0	0.0	14.1	3.8	0	0.0	5.1	13.6	0	0.0	21.3	0.0	0	0.0	11.4	7.2	0	0.0	5.2	10.6
LF6GMP-09	0	0	17.7	1.8	0	0	15.8	4.1	0	0	21.7	0.1	0	0	19.4	2.3	0	0	17.2	2.7
LF6GMP-10	0	0.0	21.0	0.1	0	0.0	19.4	0.9	2	0.1	21.7	0.0	0	0.0	21.4	0.4	0	0.0	20.3	0.0
LF6GMP-11	0	0.0	19.4	1.3	0	0.0	18.3	2.1	0	0.0	21.5	0.4	0	0.0	20.5	1.8	0	0.0	19.0	1.7
LF6GMP-12	0	0.0	18.5	2.0	0	0.0	18.4	2.0	0	0.0	21.6	0.1	0	0.0	19.5	2.4	0	0.0	17.9	2.1
LF6GMP-13	0	0.0	20.4	0.8	0	0.0	18.3	2.1	0	0.0	21.4	0.2	0	0.0	20.3	1.8	0	0.0	19.2	1.4
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-15D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-16S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-16D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-17S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-17D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6VENT-01	0	0.0	20.4	0.4	0	0.0	16.1	0.6	0	0.0	16.9	2.0	0	0.0	19.5	0.5	0	0.0	20.7	0.1
LF6VENT-02	0	0.0	19.9	0.2	4	0.2	12.1	0.2	0	0.0	19.9	0.1	0	0.0	19.2	0.2	0	0.0	21.0	0.0
LF6VENT-03	0	0.0	19.8	0.9	0	0	13.3	3	0	0.0	18.8	1.1	0	0.0	18.8	1.1	0	0.0	21.0	0.0
LF6VENT-04	6	0.3	15.2	2.3	60	2.9	11.1	4.8	1	0.0	17.7	1.4	0	0.0	18.8	1.5	1	0.0	19.9	0.6
LF6VENT-05	0	0.0	19.6	1.1	0	0	12.8	3.8	0	0.0	20.5	0.4	0	0.0	20.5	1.0	0	0.0	19.3	0.6
LF6VENT-06	0	0.0	20.9	0.2	0	0	12	0.2	1	0.0	20.7	0.3	0	0.0	17.7	1.9	1	0.0	15.8	1.0
LF6VENT-07	0	0.0	20.8	0.5	0	0	20.5	0.2	0	0.0	20.9	0.2	0	0.0	20.0	0.4	0	0.0	21.0	0.0
LF6VENT-08	0	0.0	20.7	0.5	0	0	19.5	0.5	2	0.1	20.1	1.1	0	0.0	21.6	0.3	0	0.0	19.5	0.9
LF6VENT-09	0	0.0	20.2	0.7	0	0	20	0.5	2	0.1	18.5	1.9	0	0.0	20.7	0.2	0	0.0	20.9	0.1
LF6VENT-10	0	0.0	20.3	0.8	0	0.0	18.4	1.2	0	0.0	20.0	0.6	0	0.0	20.4	0.9	0	0.0	20.3	0.5
LF6VENT-11	0	0.0	19.7	1.0	0	0.0	18.4	1.1	0	0.0	20.6	0.1	0	0.0	20.9	0.2	0	0.0	20.7	0.0
LF6VENT-12	0	0.0	20.4	0.7	0	0.0	19.3	1.1	0	0.0	20.2	0.5	0	0.0	20.6	1.2	0	0.0	20.8	0.0
LF6VENT-13	0	0.0	18.1	2.0	0	0.0	15.7	2.5	0	0.0	19.9	0.5	0	0.0	20.6	0.7	0	0.0	20.3	0.2
LF6VENT-14	2	0.1	19.1	1.6	0	0.0	17.3	1.8	2	0.1	20.3	0.3	0	0.0	21.4	0.4	0	0.0	20.5	0.1
LF6VENT-15	0	0.0	17.5	2.2	0	0.0	13.7	4.4	2	0.1	19.6	0.8	0	0.0	21.3	0.3	0	0.0	18.8	1.7
LF6VENT-16	0	0.0	16.5	2.8	0	0.0	10.4	5.8	0	0.0	17.2	2.0	0	0.0	20.9	0.4	0	0.0	17.9	3.4

Notes:

NI = Not Installed.

NS = Not Sampled.

--- = Not Monitored.

Table 6-1
Landfill 6 Landfill Gas Monitoring Results

Sample Location	13-Jul-09				22-Oct-09				2-Feb-10				7-May-10				26-Oct-10			
	Barometric Pressure (in.) =			29.28-29.31	Barometric Pressure (in.) =			29.28-29.36	Barometric Pressure (in.) =			NS	Barometric Pressure (in.) =			29.18-29.38	Barometric Pressure (in.) =			29.19-29.20
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	0	0.0	19.6	0.1	0	0.0	12.3	4.0	NS	NS	NS	NS	0	0.0	20.6	0.1	0	0.0	19.4	0.5
LF6GMP-02	2	0.1	10.5	6.0	0	0.0	10.6	7.2	NS	NS	NS	NS	0	0.0	20.9	0.1	0	0.0	11.8	6.6
LF6GMP-03	2	0.1	16.7	2.5	0	0.0	14.3	2.9	NS	NS	NS	NS	0	0.0	20.9	0.0	0	0.0	15.6	2.7
LF6GMP-04	2	0.1	19.4	1.6	0	0.0	12.6	6.9	NS	NS	NS	NS	0	0.0	20.9	0.0	0	0.0	19.4	1.0
LF6GMP-05	2	0.1	19.5	1.4	0	0.0	17.4	2.4	NS	NS	NS	NS	0	0.0	20.9	0.0	0	0.0	20.6	0.2
LF6GMP-06	2	0.1	19.6	1.2	0	0.0	17.6	2.4	NS	NS	NS	NS	0	0.0	19.7	0.9	0	0.0	20.4	0.4
LF6GMP-07	0	0.0	20.5	0.0	0	0.0	15.3	5.3	NS	NS	NS	NS	0	0.0	17.6	3.4	0	0.0	16.3	4.6
LF6GMP-08	0	0.0	20.2	0.3	0	0.0	4.2	14.2	NS	NS	NS	NS	0	0.0	10.2	9.2	0	0.0	5.4	13.8
LF6GMP-09	2	0.1	18.6	2.4	0	0.0	13.2	6.8	NS	NS	NS	NS	0	0.0	17.4	3.1	0	0.0	14.2	5.9
LF6GMP-10	2	0.1	19.7	1.1	0	0.0	19.5	1.3	NS	NS	NS	NS	0	0.0	19.8	1.0	0	0.0	19.7	1.0
LF6GMP-11	2	0.1	19.5	1.3	0	0.0	17.8	2.9	NS	NS	NS	NS	0	0.0	19.9	1.1	0	0.0	18.0	2.7
LF6GMP-12	2	0.1	18.8	2.3	0	0.0	17.1	3.2	NS	NS	NS	NS	0	0.0	20.3	0.6	0	0.0	18.8	1.9
LF6GMP-13	0	0.0	19.6	0.7	0	0.0	16.8	3.5	NS	NS	NS	NS	0	0.0	20.2	0.7	0	0.0	18.9	1.5
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-15D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-16S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-16D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-17S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-17D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6VENT-01	0	0.0	14.3	2.1	5	0.2	8.1	1.6	NS	NS	NS	NS	0	0.0	19.7	0.7	0	0.0	20.7	0.1
LF6VENT-02	38	1.9	4.0	0.6	94	4.7	0.0	0.4	NS	NS	NS	NS	0	0.0	20.4	0.1	0	0.0	20.6	0.0
LF6VENT-03	7	0.3	8.0	6.4	>100	5.3	0.9	11.3	NS	NS	NS	NS	0	0.0	20.2	0.5	0	0.0	20.6	0.1
LF6VENT-04	>100	7.2	6.5	5.6	>100	14.7	0.2	6.4	NS	NS	NS	NS	0	0.0	18.5	1.6	0	0.0	20.7	0.0
LF6VENT-05	2	0.1	15.6	3.3	4	0.2	2.5	10.9	NS	NS	NS	NS	0	0.0	20.1	0.8	0	0.0	20.2	0.2
LF6VENT-06	9	0.4	10.0	0.6	39	1.9	1.1	0.7	NS	NS	NS	NS	0	0.0	20.2	0.4	0	0.0	20.7	0.0
LF6VENT-07	2	0.1	14.2	4.4	0	0.0	10.2	7.4	NS	NS	NS	NS	0	0.0	19.4	0.8	0	0.0	20.2	0.0
LF6VENT-08	2	0.1	16.5	3.2	0	0.0	9.8	5.7	NS	NS	NS	NS	0	0.0	19.8	0.6	0	0.0	20.3	0.0
LF6VENT-09	1	0.1	19.4	1.3	0	0.0	15.8	3.4	NS	NS	NS	NS	0	0.0	19.5	0.7	0	0.0	20.4	0.0
LF6VENT-10	2	0.1	16.0	3.4	0	0.0	4.9	9.6	NS	NS	NS	NS	0	0.0	19.6	0.9	0	0.0	20.4	0.1
LF6VENT-11	2	0.1	18.2	2.4	0	0.0	15.4	4.3	NS	NS	NS	NS	0	0.0	19.5	0.9	0	0.0	20.6	0.0
LF6VENT-12	2	4.1	17.2	3.2	0	0.0	8.0	7.8	NS	NS	NS	NS	0	0.0	20.1	0.7	0	0.0	20.5	0.0
LF6VENT-13	2	0.1	15.2	4.4	0	0.0	11.6	7.5	NS	NS	NS	NS	0	0.0	17.3	2.0	0	0.0	20.6	0.0
LF6VENT-14	2	0.1	16.9	3.5	0	0.0	14.8	4.1	NS	NS	NS	NS	0	0.0	19.2	1.4	0	0.0	20.6	0.0
LF6VENT-15	2	0.1	7.5	9.7	0	0.0	4.4	13.0	NS	NS	NS	NS	0	0.0	18.7	1.5	0	0.0	20.6	0.0
LF6VENT-16	2	0.1	13.4	5.7	0	0.0	11.2	5.9	NS	NS	NS	NS	0	0.0	15.7	4.1	0	0.0	20.7	0.0

Notes:
NI = Not Installed.
NS = Not Sampled.
--- = Not Monitored.

Table 6-1
Landfill 6 Landfill Gas Monitoring Results

Sample Location	16-May-11				19-Oct-11				10-May-12				5-Oct-12							
	Barometric Pressure (in.) =			29.14-29.19	Barometric Pressure (in.) =			29.11-29.14	Barometric Pressure (in.) =			28.99-29.32	Barometric Pressure (in.) =			29.44	Barometric Pressure (in.) =			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	0	0.0	19.4	0.3	0	0.0	12.0	7.0	0	0.0	19.3	0.8	0	0.0	11.0	2.4				
LF6GMP-02	0	0.0	20.9	0.1	0	0.0	19.7	0.8	0	0.0	22.8	0.1	0	0.0	12.4	6.7				
LF6GMP-03	0	0.0	20.6	0.1	0	0.0	16.1	3.0	0	0.0	22.2	0.1	0	0.0	16.3	2.7				
LF6GMP-04	0	0.0	20.8	0.0	0	0.0	14.8	5.7	0	0.0	22.4	0.1	0	0.0	15.3	5.4				
LF6GMP-05	0	0.0	20.8	0.0	0	0.0	18.8	2.7	0	0.0	22.7	0.1	0	0.0	18.8	2.0				
LF6GMP-06	0	0.0	20.8	0.1	0	0.0	19.0	2.6	0	0.0	22.8	0.2	0	0.0	18.6	2.4				
LF6GMP-07	0	0.0	20.8	0.0	0	0.0	16.6	5.2	0	0.0	23.0	0.1	0	0.0	17.0	4.2				
LF6GMP-08	0	0.0	12.7	5.5	0	0.0	4.6	14.7	0	0.0	23.0	0.1	0	0.0	11.4	8.5				
LF6GMP-09	0	0.0	14.6	5.2	0	0.0	14.1	6.2	0	0.0	20.2	1.8	0	0.0	15.3	5.2				
LF6GMP-10	0	0.0	20.8	0.0	0	0.0	20.5	1.4	0	0.0	22.9	0.1	0	0.0	19.5	1.2				
LF6GMP-11	0	0.0	18.9	2.1	0	0.0	18.5	3.0	0	0.0	23.0	0.1	0	0.0	18.5	2.5				
LF6GMP-12	0	0.0	18.2	2.1	0	0.0	18.4	3.4	0	0.0	22.8	0.2	0	0.0	18.3	2.6				
LF6GMP-13	0	0.0	18.5	2.5	0	0.0	18.3	3.4	0	0.0	22.2	0.7	0	0.0	17.8	3.0				
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-15D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-16S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-16D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-17S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-17D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6VENT-01	0	0.0	20.3	0.6	0	0.0	14.0	2.2	0	0.0	21.9	0.2	0	0.0	11.0	2.4				
LF6VENT-02	0	0.0	20.7	0.0	24	1.2	6.2	0.4	0	0.0	21.4	0.7	35	1.7	4.1	0.6				
LF6VENT-03	0	0.0	20.7	0.2	14	0.7	4.7	8.1	0	0.0	20.5	1.0	16	0.8	4.4	9.2				
LF6VENT-04	0	0.0	20.8	0.1	>100	10.7	0.3	6.0	0	0.0	19.4	1.6	>100	8.1	0.7	7.4				
LF6VENT-05	0	0.0	20.9	0.0	0	0.0	9.9	6.8	0	0.0	21.6	0.6	0	0.0	8.1	8.7				
LF6VENT-06	0	0.0	20.8	0.0	2	0.0	8.9	1.3	0	0.0	22.4	0.0	0	0.0	8.5	0.8				
LF6VENT-07	0	0.0	20.4	0.0	0	0.0	14.5	5.9	0	0.0	20.6	0.7	0	0.0	13.6	5.3				
LF6VENT-08	0	0.0	20.4	0.0	0	0.0	16.2	4.5	0	0.0	19.7	1.8	0	0.0	15.5	3.7				
LF6VENT-09	0	0.0	19.9	0.6	0	0.0	17.7	2.9	0	0.0	21.5	0.9	0	0.0	16.7	3.0				
LF6VENT-10	0	0.0	20.5	0.0	0	0.0	14.6	5.2	0	0.0	21.1	0.8	0	0.0	11.0	6.4				
LF6VENT-11	0	0.0	20.7	0.0	0	0.0	16.7	3.7	0	0.0	22.5	0.1	0	0.0	16.0	3.8				
LF6VENT-12	0	0.0	20.3	0.5	0	0.0	14.6	5.2	0	0.0	22.2	0.2	0	0.0	11.6	5.7				
LF6VENT-13	0	0.0	20.4	0.3	0	0.0	13.8	6.4	0	0.0	20.3	1.5	0	0.0	12.1	7.1				
LF6VENT-14	0	0.0	20.5	0.4	0	0.0	16.3	4.0	0	0.0	22.2	0.1	0	0.0	16.4	3.3				
LF6VENT-15	0	0.0	18.3	2.8	0	0.0	10.7	7.0	0	0.0	21.9	0.4	0	0.0	5.8	9.7				
LF6VENT-16	0	0.0	13.4	5.7	0	0.0	10.0	7.7	0	0.0	16.4	3.0	0	0.0	8.3	7.3				

Notes:
NI = Not Installed.
NS = Not Sampled.
--- = Not Monitored.

Table 6-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	775VMW-10												
Date of Collection			6/28/2006	9/15/2006	12/11/2006	4/11/2007	6/19/2007	9/27/2007	12/10/2007	4/3/2008	6/12/2008	9/30/2008	12/9/2008	4/15/2009	6/29/2009
Sample ID No.			775VM1095AA	775VM1095BB	775VM1095CA	775VM1095DA	775VM1095EA	775VM1095FA	775VM1095GA	775VM1095HA	775VM1095IA	775VM1095JA	775VM1095KA	775VM1095LA	775VM1095MA
Depth to Water (ft)			60.25	60.18	59.27	58.15	57.97	59.37	59.63	58.43	58.32	49.46	59.53	59.07	59.13
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	1.1	1	0.820 F	0.720 F	0.700 F	0.510 F	0.750 F	U	U	0.540 F	0.540 F	0.400 F	0.340 F
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	1.4 F	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	0.140 F	U	U	U	U	U	U	U	0.150 F	U	U
chloromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	0.475 F	U	0.130 F	U	1.00 F	U	U	U	U
trichloroethene (TCE)	5*	1	**96**	**83.6**	**84.3 F**	**68.2**	**68.4**	**58.8**	**65.6**	**60.4**	**59.0**	**46.9**	**43.4**	**43.5**	**34.6**
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**98.5**	**84.6**	**85.26**	**68.92**	**69.45**	**59.31**	**66.48**	**60.4**	**60.0**	**47.44**	**44.09**	**43.90**	**34.94**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	148 B	120	120	110	110	100	100	98	100	94	110	100	98
ammonia	2	0.2	U	U	U	U	0.023 F	U	0.024 F	U	0.11 B	U	U	U	U
BOD5	--	2.4	U	U	UJ	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.011 F	U	U	U	U	0.044 F	U	0.045 F	0.043 F	UJ	0.046 F	U
COD	--	5	U	U	U	13	15 B	U	4.1 F	4.1 F	U	U	15	3.7 F	U
chloride	250	1	35.3 B	44	34	52	86	110	120	120	150	150	120	100	90 J
color	15	5	**50**	NA	NA	NA	U	NA	NA	NA	U	NA	NA	U	NA
cyanide, Total	200	0.02	U	NA	NA	NA	U	NA	NA	U	0.0063 F	NA	NA	NA	NA
hardness, Total	--	1	260	210	150	190	240	220	260	260	300	270	290	220	210
nitrate	10	1	4.7	3.3	3.0	2.7	2.5	2.6	2.6	2.4	2.0	1.7	1.6	1.3	1.1
TKN	1	0.2	U	U	U	0.14 F	0.063 F	0.22	0.058 F	0.058 F	U	U	0.11 F	U	0.36
sulfate	250	1	7 B	6.3	6.4	5.6	6.2	9.9	11	9.5	12	14	13	10	8.9
TDS	500	10	254	260	250	260	390	**510**	340	480	**710**	490	400	330	320
TOC	--	1	1	0.46 F	0.54 F	U	U	0.79 F	0.95 F	0.51 F	U	U	0.67 F	U	U

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	775VMW-10													
Date of Collection			**9/14/2009**	**3/22/2010**	**9/23/2010**	**6/8/2011**	**6/19/2012**									
Sample ID No.			**775VM1095NA**	**775VM1095OA**	**775VM1095PA**	**775VM1095PA**	**775VM1095QA**									
Depth to Water (ft)			**60.05**	**60.57**	**61.55**	**59.20**	**59.80**									
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	0.380 F	0.410 F	0.460 F	0.50 F	0.36 J									
1,1-dichloroethene	5*	1	U	U	U	U	U									
1,2-dichloroethane	0.6	1	U	U	U	U	U									
1,4-dichlorobenzene	3	0.5	U	U	U	U	U									
acetone	50	10	U	U	2.54 FB	U	U									
benzene	1	0.1	U	U	U	U	U									
carbon disulfide	1,000	0.5	U	U	U	U	U									
chloroform	7	0.3	U	U	U	0.17 F	U									
chloromethane	5*	1	U	U	U	U	U									
cis-1,2-dichloroethene	5*	1	U	U	U	U	U									
dichlorodifluoromethane	5*	1	U	U	U	U	U									
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U									
methylene chloride	5*	1	U	U	U	U	0.33 J									
trichloroethene (TCE)	5*	1	**43.2**	**41.2**	**43.3**	**45.0**	**42.0**									
toluene	5*	1	U	U	U	U	U									
trans-1,2-dichloroethene	5*	1	U	U	U	U	U									
trichlorofluoromethane	5*	1	U	U	U	U	U									
vinyl chloride	2	1	U	U	U	U	U									
xylenes, Total	--	1.5	U	U	U	U	U									
Total VOCs (µg/L)			**43.58**	**41.61**	**46.3**	**45.67**	**42.69**									
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	100	130	120	310	160									
ammonia	2	0.2	U	U	U	0.18	0.062 JB									
BOD5	--	2.4	U	U	U	U	U									
bromide	2	0.5	0.035 F	U	U	U	U									
COD	--	5	U	U	U	U	U									
chloride	250	1	100	61	73	200	150									
color	15	5	NA	U	NA	U	U									
cyanide, Total	200	0.02	NA	0.0088 F	U	U	U									
hardness, Total	--	1	210	180	190	310	190									
nitrate	10	1	1.1	1.0 B	1.1	1.7	1.5									
TKN	1	0.2	U	0.24 B	0.21 B	0.34 F	0.67 JB									
sulfate	250	1	9.4	9.2 B	9.0	24	22									
TDS	500	10	380	220	270	**600**	430									
TOC	--	1	0.52 F	U	0.82 F	0.82 F	0.81 J									

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	775VMW-18R												
Date of Collection			6/28/2006	9/15/2006	12/11/2006	4/11/2007	6/19/2007	9/27/2007	12/10/2007	4/7/2008	6/12/2008	9/30/2008	12/9/2008	4/14/2009	6/29/2009
Sample ID No.			775VM18R90AA	775VM18R90BB	775VM18R90CA	775VM18R90DA	775VM18R90EA	775VM18R90FA	775VM18R90GA	775VM18R90HA	775VM18R90IA	775VM18R90JA	775VM18R90KA	775VM18R90LA	775VM18R90MA
Depth to Water (ft)			52.65	52.63	51.77	50.57	50.15	51.68	52.26	51.10	51.57	51.84	52.1	51.52	51.33
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	**6**	**5.01**	**5.50**	**5.09**	4.7	3.91	**5.17**	4.37	4.92	4.11	3.96	4.25	4.29
1,1-dichloroethene	5*	1	0.4 F	0.37 F	0.280 F	0.230 F	0.250 F	0.240 F	0.840 F	U	U	U	0.180 F	U	U
1,2-dichloroethane	0.6	1	**1.3**	**1.3**	**1.07**	**0.91**	**0.85**	**0.670**	**0.840**	**0.650**	**0.700**	**0.630**	0.580	0.590	0.510
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	UF	U
chloroform	7	0.3	0.52	0.49 F	0.500	U	0.370 F	0.230 F	0.720	0.260 F	0.280 F	0.280 F	0.360 F	0.290	0.290 F
chloromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	UJ	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**7.22**	**7.17**	**7.35**	**6.23**	**6.17**	**5.05**	**6.85**	**5.28**	**5.90**	**5.02**	**5.08**	**5.13**	**5.09**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	142	140	150	120	110	130	130	140	150	140	130	150	140
ammonia	2	0.2	U	U	U	U	0.024 F	U	0.025 F	0.020 F	0.056 B	U	U	U	U
BOD5	--	2.4	U	U	UJ	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.092 F	0.043 F	0.18 F	0.20 F	0.20 F	0.25 F	0.20 F	0.19 F	0.14 F	UJ	0.17 F	0.11 F
COD	--	5	27.4	7.1 F	9.4 F	17	15 B	6.3 F	6.3 F	8.5 F	4.1 F	26	22	26	20
chloride	250	1	**873**	**550**	**450**	**710**	**880**	**880**	**860**	**790**	**680**	**720**	**760**	**810**	**630 F**
color	15	5	**18**	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	U	NA	NA	0.0096 F	0.0078 F	NA	NA	NA	NA
hardness, Total	--	1	680	520	450	720	770	610	650	600	470	500	600	590	480
nitrate	10	1	4.4	3.4	3.0	4.1	3.3	3.4	3.5	3.2	3.2	3.5	3.5	3.7	3.6
TKN	1	0.2	U	U	0.084 F	0.18 F	0.21 B	0.12 F	U	U	U	U	0.16 F	0.11 F	0.15 F
sulfate	250	1	63	41	34	40	50	40	41	36	35	35	35	43	39
TDS	500	10	**1,770**	**1,500**	**1,300**	**1,900**	**2,600**	**2,300**	**1,700**	**1,900**	**2,000**	**1,400**	**1,800**	**1,200**	**1,600**
TOC	--	1	0.83 F	0.63 F	0.66 F	0.45 F	0.61 F	0.83 F	0.69 F	0.80 F	0.50 F	0.53 F	1.0	0.48 F	0.59 F

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	775VMW-18R													
Date of Collection			**9/14/2009**	**3/22/2010**	**9/23/2010**	**6/7/2011**	**6/19/2012**									
Sample ID No.			**775VM18R90NA**	**775VM18R90OA**	**775VM18R90PA**	**775VM18R90PA**	**775VM18R9QA**									
Depth to Water (ft)			**52.29**	**53.04**	**53.74**	**51.50**	**52.02**									
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	3.96	4.00	4.03	NA	NA									
1,1-dichloroethene	5*	1	U	U	0.170 F	NA	NA									
1,2-dichloroethane	0.6	1	0.500	0.460 F	0.430 F	NA	NA									
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA									
acetone	50	10	U	U	1.71 FB	NA	NA									
benzene	1	0.1	U	U	U	NA	NA									
carbon disulfide	1,000	0.5	U	U	U	NA	NA									
chloroform	7	0.3	0.270 F	0.360 F	0.530	NA	NA									
chloromethane	5*	1	U	U	U	NA	NA									
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA									
dichlorodifluoromethane	5*	1	U	U	U	NA	NA									
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA									
methylene chloride	5*	1	U	U	U	NA	NA									
trichloroethene (TCE)	5*	1	U	U	U	NA	NA									
toluene	5*	1	U	U	U	NA	NA									
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA									
trichlorofluoromethane	5*	1	U	U	U	NA	NA									
vinyl chloride	2	1	U	U	U	NA	NA									
xylenes, Total	--	1.5	U	U	U	NA	NA									
Total VOCs (µg/L)			**4.73**	**4.82**	**6.87**	NA	NA									
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	150	160	160	160	190									
ammonia	2	0.2	0.35	U	U	0.094 F	0.81									
BOD5	--	2.4	U	U	U	U	U									
bromide	2	0.5	0.12 F	U	U	0.11 F	0.14									
COD	--	5	6.7 F	5.6 FB	U	U	8.0 J									
chloride	250	1	**560**	**640**	**510**	**550**	**460**									
color	15	5	NA	U	NA	U	U									
cyanide, Total	200	0.02	NA	0.0080 F	U	NA	U									
hardness, Total	--	1	410	500	440	480	310									
nitrate	10	1	3.9	3.7	4.5	3.2	3.4									
TKN	1	0.2	0.4	0.22 B	0.20 B	0.30 F	0.61 JB									
sulfate	250	1	29	35	35	45	42									
TDS	500	10	**1,400**	**1,500**	**1,200**	**1,200**	**1,000**									
TOC	--	1	0.61 F	0.65 FB	0.88 F	0.80 F	0.81 J									

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	775VMW-20R												
Date of Collection			6/28/2006	9/18/2006	12/11/2006	4/11/2007	6/20/2007	9/28/2007	12/10/2007	4/8/2008	6/12/2008	10/1/2008	12/9/2008	4/14/2009	6/29/2009
Sample ID No.			775VM20R110AA	775VM20R110BB	775VM20R110CA	775VM20R110DA	775VM20R110EA	775VM20R110FA	775VM20R110GA	775VM20R110HA	775VM20R110IA	775VM20R110JA	775VM20R110KA	775VM20R110LA	775VM20R110MA
Depth to Water (ft)			65.15	65.20	64.22	63.22	62.95	64.40	64.61	63.34	63.31	64.42	64.54	63.99	64.01
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	UJ	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	0.180 F	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	0.140 F	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**0**	**0**	**0.18**	**0**	**0.14**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	219	180	180	180	180	180	170	170	180	180	170	170	170
ammonia	2	0.2	0.012 F	0.035 F	U	0.020 F	0.039 F	0.013 F	0.045 F	0.034 F	0.055 B	0.033 F	0.020 F	0.047 F	0.026 F
BOD5	--	2.4	UJ	U	UJ	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.011 F	U	U	U	0.022 F	0.046 F	0.051 F	0.037 F	0.039 F	UJ	0.048 F	0.027 F
COD	--	5	17.8	16 B	U	13	17	U	4.1 F	8.5 F	U	3.7 F	U	6.0 F	U
chloride	250	1	51.1	59	57	58	71	83	84	89	110	110	92	92	98 J
color	15	5	15	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	U	NA	NA	U	0.018 F	NA	NA	NA	NA
hardness, Total	--	1	213	260	230	220	230	220	260	260	270	300	270	270	280
nitrate	10	1	U	U	0.013 F	0.21	0.041 F	0.015	U	0.040 F	U	U	U	U	U
TKN	1	0.2	0.12 F	0.084 F	0.42	0.12 F	U	U	U	0.12 F	U	U	U	U	U
sulfate	250	1	39.4	42	39	39	40	37	37	38	38	38	35	36	34
TDS	500	10	348	360	370	320	410	290	300	360	480	380	390	350	330
TOC	--	1	0.75 F	U	0.55 F	0.44 F	1.6	0.61 F	0.45 F	1.1 B	U	0.85 F	0.53 F	U	U

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	775VMW-20R													
Date of Collection			**9/14/2009**	**3/22/2010**	**9/23/2010**	**6/7/2011**	**6/19/2012**									
Sample ID No.			**775VM20R110NA**	**775VM20R110OA**	**775VM20R110PA**	**775VM20R110PA**	**775VM20R11QA**									
Depth to Water (ft)			**64.97**	**65.51**	**66.65**	**64.50**	**64.72**									
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA									
1,1-dichloroethene	5*	1	U	U	U	NA	NA									
1,2-dichloroethane	0.6	1	U	U	U	NA	NA									
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA									
acetone	50	10	U	U	1.61 FB	NA	NA									
benzene	1	0.1	U	U	U	NA	NA									
carbon disulfide	1,000	0.5	U	U	U	NA	NA									
chloroform	7	0.3	U	U	U	NA	NA									
chloromethane	5*	1	U	U	U	NA	NA									
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA									
dichlorodifluoromethane	5*	1	U	U	U	NA	NA									
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA									
methylene chloride	5*	1	U	U	U	NA	NA									
trichloroethene (TCE)	5*	1	U	U	U	NA	NA									
toluene	5*	1	U	U	U	NA	NA									
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA									
trichlorofluoromethane	5*	1	U	U	U	NA	NA									
vinyl chloride	2	1	U	U	U	NA	NA									
xylenes, Total	--	1.5	U	U	U	NA	NA									
Total VOCs (µg/L)			**0**	**0**	**1.61**	NA	NA									
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	180	170	170	160	180									
ammonia	2	0.2	0.22 F	0.35 F	U	0.2	0.075 JB									
BOD5	--	2.4	U	U	U	1.4 F	U									
bromide	2	0.5	0.037 F	U	U	U	U									
COD	--	5	U	U	U	U	U									
chloride	250	1	110	120	130	73	57									
color	15	5	NA	U	NA	U	U									
cyanide, Total	200	0.02	NA	0.0080 F	U	NA	U									
hardness, Total	--	1	300	280	280	200	200									
nitrate	10	1	0.017 F	0.055 F	U	U	0.048 J									
TKN	1	0.2	0.13 F	0.30 B	0.18 FB	0.45 F	1 B									
sulfate	250	1	35	34	37	29	39									
TDS	500	10	410	410	**530**	330	300									
TOC	--	1	0.39 F	U	0.71 F	0.61 F	0.62 J									

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6MW-1												
Date of Collection			6/28/2006	9/18/2006	12/11/2006	4/9/2007	6/20/2007	9/27/2007	12/10/2007	4/2/2008	6/17/2008	9/30/2008	12/9/2008	4/14/2009	6/29/2009
Sample ID No.			LF6M0168AA	LF6M0168BB	LF6M0168CA	LF6M0168DA	LF6M0168EA	LF6M0168FA	LF6M0168GA	LF6M0168HA	LF6MO168IA	LF6MO168JA	LF6MO168KA	LF6M0168LA	LF6M0168MA
Depth to Water (ft)			63.18	63.21	62.19	61.18	60.97	62.46	62.59	61.55	61.24	62.39	62.52	62.00	62.03
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	1.1 F	U	U	1.00 F	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	0.170 F	U	U	U	U	UJ	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	UM	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	0.330 F	U	U	U	0.120 F♦	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.180 F
vinyl chloride	2	1	U	U	U	U	U	UJ	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**1.1**	**0**	**0.33**	**1**	**0**	**0**	**0.290**	**0**	**0**	**0**	**0**	**0**	**0.180**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	251	250 F	330	360	400♦	340	320♦	270	330	390	340	270	280
ammonia	2	0.2	0.039 F	U	U	U	0.028 F♦	U	0.049 F♦	0.016 F	0.057 B♦	U	U	U	U
BOD5	--	2.4	UJ	U	UF	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.25 F	0.12 F	0.24 F	0.18 F♦	0.26 F	U	U	U	0.18 F	UJ	0.064 F♦	0.077 F
COD	--	5	U	14 B	24 B	19 F	20 F	28 F	13 B	6.3 F♦	6.3 F	17	3.7 F	6.0 F	U
chloride	250	1	3.6	**1,300 M**	**970 M**	**1,100 M**	**740 M♦**	**1,200**	**740**	**340♦**	**390**	**870**	**280**	**270**	**430**
color	15	5	**80**	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	0.012 F	NA	NA	0.0090 F	0.015 F♦	NA	NA	NA	NA
hardness, Total	--	1	444	740	520	530	260	360	240	100	190 F	370♦	130 F♦	140	180♦
nitrate	10	1	0.77 F	0.95 F	0.87	1.6	0.94 F	1.0	0.97 F♦	0.82 F♦	0.81 F	1.2	0.75	0.82 F	1.0
TKN	1	0.2	0.49	U	0.11 F	0.23	0.10 F♦	0.10 F♦	0.12 F	0.068 F♦	U	0.070 F	0.077 F♦	U	0.14 F
sulfate	250	1	6.1	45	50	55 M	49♦	72♦	65 M	39♦	52	78 M	34	32	50
TDS	500	10	156	**3,000**	**2,100**	**2,300**	**1,700♦**	**4,700 F♦**	**1,700♦**	**900**	**1,100♦**	**1,900♦**	**940**	**810**	**1,000**
TOC	--	1	1.1	1.6	2.5 B	2.1	2.5	2.6 B♦	2.4	1.7	1.8	2.2♦	2.0	0.79 F	1.1

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6MW-1													
Date of Collection			**9/15/2009**	**3/22/2010**	**9/23/2010**	**6/6/2011**	**6/19/2012**									
Sample ID No.			**LF6M0168NA**	**LF6M0168OA**	**LF6M0168PA**	**LF6M0168PA**	**LF6M0168QA**									
Depth to Water (ft)			**63.02**	**63.52**	**64.47**	**62.09**	**62.72**									
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA									
1,1-dichloroethene	5*	1	U	U	U	NA	NA									
1,2-dichloroethane	0.6	1	U	U	U	NA	NA									
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA									
acetone	50	10	U	U	1.66 FB	NA	NA									
benzene	1	0.1	U	U	U	NA	NA									
carbon disulfide	1,000	0.5	U	U	U	NA	NA									
chloroform	7	0.3	U	U	U	NA	NA									
chloromethane	5*	1	U	U	U	NA	NA									
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA									
dichlorodifluoromethane	5*	1	U	U	U	NA	NA									
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA									
methylene chloride	5*	1	U	U	U	NA	NA									
trichloroethene (TCE)	5*	1	U	U	U	NA	NA									
toluene	5*	1	U	U	U	NA	NA									
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA									
trichlorofluoromethane	5*	1	U	U	U	NA	NA									
vinyl chloride	2	1	U	U	U	NA	NA									
xylenes, Total	--	1.5	U	U	U	NA	NA									
Total VOCs (µg/L)			**0**	**0**	**1.66**	NA	NA									
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	280	320	310	360	230									
ammonia	2	0.2	0.019 F♦	U	U	0.10 F	0.13♦ JB									
BOD5	--	2.4	U	U	U	U	U									
bromide	2	0.5	0.14 F	U	U	0.12 F	U									
COD	--	5	6.7 F	5.2 FB♦	8.1 FB♦	10 F♦	16 J♦									
chloride	250	1	**290 M♦**	**320**	**310**	**480**	**1,300**									
color	15	5	NA	U	NA	U	U									
cyanide, Total	200	0.02	NA	0.013 F	0.0063 F	U	U									
hardness, Total	--	1	160	170	160	240	410 J									
nitrate	10	1	1.0 ♦	0.86 FB ♦	0.98 F♦	0.9	2.0♦									
TKN	1	0.2	U	0.19 FB♦	0.29 BF♦	0.49 F	1.0 B									
sulfate	250	1	61 M♦	42	65♦	50	56									
TDS	500	10	**870♦**	**840**	**850**	**1,200**	**2,400**									
TOC	--	1	1.3♦	1.4 B	2.0	1.5	1.4									

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-10R2												
Date of Collection			6/29/2006	9/19/2006	12/13/2006	4/13/2007	6/21/2007	10/1/2007	12/12/2007	4/7/2008	6/18/2008	10/1/2008	12/11/2008	4/16/2009	6/30/2009
Sample ID No.			LF6VM10R230AA	LF6VM10R230BB	LF6VM10R230CA	LF6VM10R230DA	LF6VM10R230EA	LF6VM10R230FA	LF6VM10R230GA	LF6VM10R230HA	LF6VM10R230IA	LF6VM10R230JA	LF6VM10R230KA	LF6VM10R230LA	LF6VM10R230MA
Depth to Water (ft)			12.92	13.33	12.27	11.40	12.15	13.22	12.61	11.47	12.27	13.01	12.49	12.02	12.46
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	1.31 F
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	0.120 F	U	U	U	U	UJ	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	0.18 F	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	0.110 F	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**0.18**	**0**	**0**	**0**	**0**	**0**	**0.230**	**0**	**0**	**0**	**0**	**0**	**1.31**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	93.8	84	86	82	82	80	86	92	80	88	80	80	78
ammonia	2	0.2	U	0.023 F	U	U	0.025 F	0.011 F	U	0.014 F	0.047 F	0.019 F	U	0.029 F	U
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	0.018 F	0.024 F	0.016 F	UJ	0.033 F	0.037 F
COD	--	5	12 B	9.2 F	U	19	11 B	U	6.3 F	8.5 F	6.3 F	U	8.2 F	8.2 F	6.7 F
chloride	250	1	2.7	2.5	2.1	2.1	2.4	2.4	2.3	3.4	5.0	3.6	4.1	4.1	5.0
color	15	5	**140**	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	U	NA	NA	NA	U	NA	NA	0.010 F	0.0050 F	NA	NA	NA	NA
Fluoride	1.5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hardness, Total	--	1	86.7	130	100	96	92	92	120	92	420	120	120	110	100
nitrate	10	1	0.29 F	0.24 F	0.47	0.17	0.16 B	0.16 B	0.055 F	0.23	0.39	0.19	0.14	0.77	0.90
TKN	1	0.2	0.076 F	U	U	0.076 F	U	0.38 B	U	U	U	U	U	U	U
sulfate	250	1	10.9	12	11	12	13	12	12	13	15	14	13	14	14
TDS	500	10	148	120	140	70	130	120	130	120	120	130	93	130	140
TOC	--	1	0.45 F	U	0.73 F	U	0.76 F	0.54 F	0.59 F	1.3	U	0.49 F	U	U	0.51 F

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-10R2													
Date of Collection			**9/15/2009**	**3/24/2010**	**9/16/2010**	**6/7/2011**	**6/18/2012**									
Sample ID No.			**LF6VM10R230NA**	**LF6VM10R230OA**	**LF6VM10R230PA**	**LF6VM10R230PA**	**LF6VM10R230QA**									
Depth to Water (ft)			**13.29**	**12.78**	**14.11**	**11.97**	**13.20**									
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA									
1,1-dichloroethene	5*	1	U	U	U	NA	NA									
1,2-dichloroethane	0.6	1	U	U	U	NA	NA									
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA									
acetone	50	10	U	U	1.51 FB	NA	NA									
benzene	1	0.1	U	U	U	NA	NA									
carbon disulfide	1,000	0.5	U	U	U	NA	NA									
chloroform	7	0.3	U	U	U	NA	NA									
chloromethane	5*	1	U	U	U	NA	NA									
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA									
dichlorodifluoromethane	5*	1	U	U	U	NA	NA									
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA									
methylene chloride	5*	1	U	U	U	NA	NA									
trichloroethene (TCE)	5*	1	U	U	U	NA	NA									
toluene	5*	1	U	U	U	NA	NA									
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA									
trichlorofluoromethane	5*	1	U	U	U	NA	NA									
vinyl chloride	2	1	U	U	U	NA	NA									
xylenes, Total	--	1.5	U	U	U	NA	NA									
Total VOCs (µg/L)			**0**	**0**	**1.51**	NA	NA									
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	80	82	80	88	100									
ammonia	2	0.2	U	U	U	0.25 F	0.22 JB									
BOD5	--	2.4	U	U	U	U	U									
bromide	2	0.5	0.044 F	0.067 F	U	0.12 F	U									
COD	--	5	U	U	U	U	6.0 J									
chloride	250	1	4.6	3.5	7.4	7.0	5.2 J									
color	15	5	NA	U	NA	U	U									
cyanide, Total	200	0.02	NA	NA	U	NA	U									
Fluoride	1.5	1	U	U	U	U	U									
hardness, Total	--	1	110	100	120	120	130									
nitrate	10	1	0.68	0.6	0.64 F	0.89	0.86									
TKN	1	0.2	U	0.20 B	0.16 FB	0.42 F	0.69 JB									
sulfate	250	1	14	14	19	22	19									
TDS	500	10	130	110	110	150	140									
TOC	--	1	0.48 F	U	1.1	8	0.5 J									

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6MW-12												
Date of Collection			6/29/2006	9/19/2006	12/13/2006	4/17/2007	6/25/2007	10/1/2007	12/12/2007	4/7/2008	6/18/2008	10/2/2008	12/11/2008	4/16/2009	7/1/2009
Sample ID No.			LF6M1246AA	LF6M1246BB	LF6M1246CA	LF6M1246DA	LF6M1246EA	LF6M1246FA	LF6M1246GA	LF6M1246HA	LF6M1246IA	LF6M1246JA	LF6M1246KA	LF6M1246LA	LF6M1246MA
Depth to Water (ft)			4.48	4.91	3.90	2.90	3.89	4.85	4.2	3.29	3.91	4.06	4.12	3.74	4.15
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	0.63 F	U	0.490 F	U	0.530 F	U	0.490 F	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	0.76 F	U	U	U	U	U	U	U	U	**66.0 F**	U	U	U
benzene	1	0.1	0.62	0.47 F	U	0.360 F	U	0.390 F	U	0.310 F	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	6.00 F	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	**470**	**264**	**275**	**192 J**	**175**	**179**	**163**	**158**	**138**	**160**	**266**	**120**	**117**
dichlorodifluoromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	**6.00 F**	U	U	U	U	4.50 F	U	U	U
trichloroethene (TCE)	5*	1	**1,500**	**942**	**1,060 J**	**851 J**	**702**	**741**	**791**	**767**	**727**	**664**	**523**	**653**	**709**
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	**16**	**12.8**	**8.75 F**	4.68	**9.00 F**	**14.9**	**20.2 F**	**5.31**	**8.25**	**28.5**	**11 F**	4.75 F	**6.00 F**
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	**2.7**	**2.4**	U	1.27	U	1.57	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	2.50 F	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**1,990.08**	**1,222.30**	**1,348.75**	**1,049.80**	**892.00**	**937.39**	**974.2**	**931.11**	**873.25**	**929.00**	**800**	**777.75**	**832**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	431	350	340	330	320	290	310	330	350	120	210	290	310
ammonia	2	0.2	0.013 F	0.051 B	0.041 F	0.073	0.078	0.068	0.062	0.065	0.10 B	0.11 B	0.098	0.12 B	0.085
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	63 F	28	U	U
bromide	2	0.5	U	0.09 F	U	0.15	0.10 F	0.12	0.21	0.24	0.16	0.17 F	U	0.17 F	0.18 F
COD	--	5	U	U	16	13 B	24 B	8.5 F	13 B	11	8.5 F	110	35	10	14
chloride	250	1	38	44	49	49	55	52	66	75	58	63	75	70	64
color	15	5	13	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	U	NA	NA	NA	U	NA	NA	0.0087 F	0.0093 F	NA	NA	NA	NA
Fluoride	1.5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hardness, Total	--	1	212	470	420	410	400	380	550	24	110	96	310	400	420
nitrate	10	1	0.05 F	U	U	U	U	U	U	0.015	0.016 F	U	U	U	0.030 F
TKN	1	0.2	U	0.082 F	0.059 F	U	0.058 F	0.14 F	0.071 F	0.092 F	0.14 F	0.64	0.28	0.18 F	0.22
sulfate	250	1	56.9	59	55	53	60	68	72	66	82	23	55	79	70
TDS	500	10	**564**	**520**	**540**	**510**	**510**	**1000**	**530**	**540**	**530**	310	430	**550**	**570**
TOC	--	1	2.2	1.7	2.0	1.6	1.5	1.8	1.7	1.8	1.6	33	8.3	1.6	1.7

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6MW-12													
Date of Collection			**9/16/2009**	**3/24/2010**	**9/16/2010**	**6/8/2011**	**6/20/2012**									
Sample ID No.			**LF6M1246NA**	**LF6M1246OA**	**LF6M1246PA**	**LF6M1246PA**	**LF6M1246QA**									
Depth to Water (ft)			**4.77**	**4.20**	**6.55**	**3.75**	**4.32**									
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	U	U	U	U	U									
1,1-dichloroethene	5*	1	U	U	U	2.1	0.59 J									
1,2-dichloroethane	0.6	1	U	U	U	U	U									
1,4-dichlorobenzene	3	0.5	U	U	U	U	U									
acetone	50	10	U	U	**226 FB**	**55**	U									
benzene	1	0.1	U	U	U	0.28 F	U									
carbon disulfide	1,000	0.5	U	U	3.50 F	U	U									
chloroform	7	0.3	U	U	U	U	U									
chloromethane	5*	1	U	U	U	U	U									
cis-1,2-dichloroethene	5*	1	**174**	**241**	**972**	**530**	**380**									
dichlorodifluoromethane	5*	1	U	U	U	U	U									
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U									
methylene chloride	5*	1	U	U	U	U	U									
trichloroethene (TCE)	5*	1	**711**	**655**	**14.5 F**	**220**	**300**									
toluene	5*	1	U	U	U	U	U									
trans-1,2-dichloroethene	5*	1	**9.25 F**	**7.25 F**	5.00 F	**6.2**	**7.9**									
trichlorofluoromethane	5*	1	U	U	U	U	U									
vinyl chloride	2	1	U	U	U	**4.7**	**4.1**									
xylenes, Total	--	1.5	U	U	U	U	U									
Total VOCs (µg/L)			**894.25**	**903.25**	**1,221**	**818.28**	**692.59**									
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	300	310	430	420	400									
ammonia	2	0.2	0.068	0.034 F	U	0.20 F	0.084 JB									
BOD5	--	2.4	U	10	550 F	U	59 D									
bromide	2	0.5	0.12 F	0.4	U	0.20 F	0.12 J									
COD	--	5	14	22	1,300	54	15 J									
chloride	250	1	68	110	78	85	67									
color	15	5	NA	U	NA	U	U									
cyanide, Total	200	0.02	NA	NA	U	U	U									
Fluoride	1.5	1	U	U	U	**3.1**	0.68 J									
hardness, Total	--	1	420	450	580	460	460									
nitrate	10	1	U	U	U	U	U									
TKN	1	0.2	U	0.63 B	0.73	0.60 F	0.83 JB									
sulfate	250	1	62	66	14	50	47									
TDS	500	10	**510**	**540**	**770**	**640**	**580**									
TOC	--	1	3	4.5	270	12	3.1									

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-17D												
Date of Collection			**6/28/2006**	**9/18/2006**	**12/12/2006**	**4/13/2007**	**6/21/2007**	**9/28/2007**	**12/10/2007**	**4/3/2008**	**6/18/2008**	**10/1/2008**	**12/9/2008**	**4/14/2009**	**6/29/2009**
Sample ID No.			**LF6VM17D48AA**	**LF6VM17D48BB**	**LF6VM17D48CA**	**LF6VM17D48DA**	**LF6VM17D48EA**	**LF6VM17D48FA**	**LF6VM17D48GA**	**LF6VM17D48HA**	**LF6VM17D48IA**	**LF6VM17D48JA**	**LF6VM17D48KA**	**LF6VM17D48LA**	**LF6VM17D48MA**
Depth to Water (ft)			**13.00**	**13.41**	**11.22**	**9.30**	**12.18**	**14.25**	**12.92**	**9.88**	**12.15**	**13.68**	**12.05**	**10.29**	**12.11**
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	0.180 F	U	U	U	U	U
acetone	50	10	1.1 F	1.12 F	U	U	U	U	U	U	U	U	U	U	5.06 F
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	UJ	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UF	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	0.42 F	U	U	U	U	0.170 F	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.190 F
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**1.1**	**1.54**	**0**	**0**	**0**	**0**	**0.170**	**0.180**	**0**	**0**	**0**	**0**	**5.25**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	110	120	150	150	110	100	120	130	120	92	110	110	96
ammonia	2	0.2	U	U	U	U	0.026 F	U	0.025 F	U	0.043 F	0.027 F	U	U	0.13
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	UJ	U	U
COD	--	5	U	U	9.4 F	19	8.5 F	U	4.1 F	8.5 F	U	U	U	28	U
chloride	250	1	2.9	3	2.5	2.3	2.4	2.1	2.0	2.0	1.9	1.7	3.4	1.7	1.6
color	15	5	**50**	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	U	NA	NA	0.0043 F	0.0047 F	NA	NA	NA	NA
Fluoride	1.5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hardness, Total	--	1	99.5	130.0	130	160	120	76	140	140	120	120	120	120	110
nitrate	10	1	0.13 F	0.18 F	0.18	0.21	0.16 B	0.15 B	0.22	0.19	0.16	0.14	0.17	0.18	0.15
TKN	1	0.2	0.38	U	U	U	U	U	0.060 F	U	U	0.12 F	U	U	0.16 F
sulfate	250	1	7.8	8.3	8.2	8.6	8.5	8.2	8.2	8.6	8.3	8.3	8.5	8.9	8.5
TDS	500	10	135	150	150	170	150	140	130	140	99	100	140	81	120
TOC	--	1	0.44 F	0.72 F	0.87 F	0.97 F	0.54 F	0.71 F	0.80 F	0.86 F	U	0.44 F	0.64 F	U	U

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-17D													
Date of Collection			**9/14/2009**	**3/22/2010**	**9/15/2010**	**6/7/2011**	**6/20/2012**									
Sample ID No.			**LF6VM17D48NA**	**LF6VM17D48OA**	**LF6VM17D48PA**	**LF6VM17D48PA**	**LF6VM17D48QA**									
Depth to Water (ft)			**14.00**	**12.06**	**15.05**	**9.86**	**12.58**									
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA									
1,1-dichloroethene	5*	1	U	U	U	NA	NA									
1,2-dichloroethane	0.6	1	U	U	U	NA	NA									
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA									
acetone	50	10	U	U	1.97 FB	NA	NA									
benzene	1	0.1	U	U	U	NA	NA									
carbon disulfide	1,000	0.5	U	U	U	NA	NA									
chloroform	7	0.3	U	U	U	NA	NA									
chloromethane	5*	1	U	U	U	NA	NA									
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA									
dichlorodifluoromethane	5*	1	U	U	U	NA	NA									
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA									
methylene chloride	5*	1	U	U	U	NA	NA									
trichloroethene (TCE)	5*	1	U	U	U	NA	NA									
toluene	5*	1	U	U	U	NA	NA									
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA									
trichlorofluoromethane	5*	1	U	U	U	NA	NA									
vinyl chloride	2	1	U	U	U	NA	NA									
xylenes, Total	--	1.5	U	U	U	NA	NA									
Total VOCs (µg/L)			**0**	**0**	**1.97**	NA	NA									
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	86	98	84	91	86									
ammonia	2	0.2	U	U	U	0.079 F	0.090 JB									
BOD5	--	2.4	U	U	U	U	U									
bromide	2	0.5	1.6	U	U	U	U									
COD	--	5	U	U	U	U	U									
chloride	250	1	1.6	1.5	1.5	1.3 F	1.3 J									
color	15	5	NA	U	NA	U	U									
cyanide, Total	200	0.02	NA	0.0083 F	U	NA	U									
Fluoride	1.5	1	U	U	U	U	U									
hardness, Total	--	1	110	110	85	100	93									
nitrate	10	1	0.15 B	0.16 B	U	0.16 F	0.28 J									
TKN	1	0.2	U	0.23 B	0.16 FB	0.38 F	0.64 JB									
sulfate	250	1	8.7	9.3 B	9.5	10	11									
TDS	500	10	100	98 B	100	110	98									
TOC	--	1	0.52 F	0.60 FB	U	0.49 F	0.50 J									

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-17S												
Date of Collection			**6/28/2006**	**9/18/2006**	**12/15/2006**	**4/13/2007**	**6/21/2007**	**9/28/2007**	**12/10/2007**	**4/3/2008**	**6/18/2008**	**10/2/2008**	**12/9/2008**	**4/15/2009**	**6/29/2009**
Sample ID No.			**LF6VM17S13AA**	**LF6VM17S12BB**	**LF6VM17S12CA**	**LF6VM17S12DA**	**LF6VM17S12EA**	**LF6VM17S12FA**	**LF6VM17S12GA**	**LF6VM17S15HA**	**LF6VM17S15IA**	**LF6VM17S13JA**	**LF6VM17S13KA**	**LF6VM17S15LA**	**LF6VM17S15MA**
Depth to Water (ft)			**--**	**12.26**	**9.27**	**7.77**	**11.08**	**13.40**	**12.07**	**6.38**	**11.08**	**12.78**	**10.60**	**8.77**	**10.89**
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	1.3 F	U	U	1.70 F	U	U	2.07	U	U	U	U	1.37 F	4.61 F
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	UJ	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	0.340 F	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UF	U	UF	UF	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.190 F
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**1.3**	**0**	**0**	**1.7**	**0**	**0**	**2.07**	**0**	**0**	**0**	**0.34**	**1.37**	**4.8**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	3.9 F	U	U	U	U	U	U	U	U	U	U	U	U
ammonia	2	0.2	U	U	0.10	0.014 F	0.041 F	0.034 F	0.038 F	0.038 F	0.050 B	0.014 F	U	0.036 F	U
BOD5	--	2.4	UJ	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	UJ	U	U
COD	--	5	12.3	14 B	24 B	26	17 B	20	28 B	6.3 F	17	15	6.0 F	U	9.0 F
chloride	250	1	1.9	0.66 F	0.46 F	0.78 F	0.72 F	0.77 F	0.74 F	0.62 F	0.52 F	0.62 F	2.4	0.52 F	0.63 F
color	15	5	U	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	U	NA	NA	0.012 F	U	NA	NA	NA	NA
Fluoride	1.5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hardness, Total	--	1	31.9	80 B	36	72	28	U	150.0	28	40	32	44	56	44
nitrate	10	1	1	1.1	1.3	1.3	1.6	1.0	1.3	1.9	3.0	1.5	3.3	4.2	3.5 J
TKN	1	0.2	0.058 F	0.19 F	0.31 F	0.16 F	0.11 F	0.33	0.63	0.42	0.078 F	0.36	0.13 F	0.45 B	0.21
sulfate	250	1	33.9	33	30	25	25	24	25	26	22	21	18	20	16
TDS	500	10	87	100	87	50	60	63	36	74	82	59	57	62	62
TOC	--	1	2.5	3.9	5.5	4.3	3.7 B	5.5	4.7	8.9	5.1	4.5	3.9	8.4	3.7

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-17S													
Date of Collection			**9/15/2009**	**3/22/2010**	**9/15/2010**	**6/7/2011**	**6/20/2012**									
Sample ID No.			**LF6VM17S13NA**	**LF6VM17S15OA**	**LF6VM17S15PA**	**LF6VM17S15PA**	**LF6VM17S15QA**									
Depth to Water (ft)			**13.03**	**10.60**	**14.12**	**8.27**	**11.41**									
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA									
1,1-dichloroethene	5*	1	U	U	U	NA	NA									
1,2-dichloroethane	0.6	1	U	U	U	NA	NA									
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA									
acetone	50	10	U	U	2.48 FB	NA	NA									
benzene	1	0.1	U	U	U	NA	NA									
carbon disulfide	1,000	0.5	U	U	U	NA	NA									
chloroform	7	0.3	U	U	U	NA	NA									
chloromethane	5*	1	U	U	U	NA	NA									
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA									
dichlorodifluoromethane	5*	1	U	U	U	NA	NA									
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA									
methylene chloride	5*	1	U	U	U	NA	NA									
trichloroethene (TCE)	5*	1	U	U	U	NA	NA									
toluene	5*	1	U	U	U	NA	NA									
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA									
trichlorofluoromethane	5*	1	U	U	U	NA	NA									
vinyl chloride	2	1	U	U	U	NA	NA									
xylenes, Total	--	1.5	U	U	U	NA	NA									
Total VOCs (µg/L)			**0**	**0**	**2.48**	NA	NA									
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	80	U	U	1.8 F	3.8 J									
ammonia	2	0.2	0.018 F	U	U	0.20	0.076 JB									
BOD5	--	2.4	U	U	U	U	U									
bromide	2	0.5	U	U	U	U	U									
COD	--	5	25	12 B	17	34 F	25									
chloride	250	1	0.70 F	0.95 F	1.4	0.46 F	0.54 J									
color	15	5	NA	U	NA	U	U									
cyanide, Total	200	0.02	NA	0.0081 F	U	NA	U									
Fluoride	1.5	1		U	U	0.063 F	0.20 J									
hardness, Total	--	1	24	31	30	47	74									
nitrate	10	1	3.0	4.4	4.5 F	3.4	2.2									
TKN	1	0.2	0.56	0.27 B	0.72 B	0.58 F	0.85 JB									
sulfate	250	1	15	15 B	11	21	13									
TDS	500	10	65	52 B	78	67	34									
TOC	--	1	4.8	3.2 B	3.1 B	8.6	4.3									

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-18												
Date of Collection			**6/28/2006**	**9/18/2006**	**12/12/2006**	**4/13/2007**	**6/21/2007**	**9/28/2007**	**12/12/2007**	**4/3/2008**	**6/18/2008**	**9/30/2008**	**12/9/2008**	**4/14/2009**	**6/29/2009**
Sample ID No.			**LF6VM1850AA**	**LF6VM1850BB**	**LF6VM1850CA**	**LF6VM1850DA**	**LF6VM1850EA**	**LF6VM1850FA**	**LF6VM1850GA**	**LF6VM1850HA**	**LF6VM1850IA**	**LF6VM1850JA**	**LF6VM1850KA**	**LF6VM1850LA**	**LF6VM1850MA**
Depth to Water (ft)			**11.28**	**11.67**	**10.58**	**9.61**	**10.31**	**11.43**	**9.97**	**9.78**	**10.50**	**11.29**	**10.97**	**10.28**	**10.70**
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	0.200 F	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	7.00 F
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	UF	U
chloroform	7	0.3	U	U	U	U	U	U	U	0.120 F	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	0.400 F	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	0.110 F	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.210 F
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**0**	**0**	**0**	**0**	**0**	**0**	**0.110**	**0.320**	**0**	**0**	**0.400**	**0**	**8.350**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	274	260	250	260	270	270	250	220	240	250	230	210	220
ammonia	2	0.2	U	U	U	0.016 F	0.036 F	U	U	U	0.052 B	0.014 F	U	U	U
BOD5	--	2.4	UJ	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.044 F	U	U	0.038 F	0.049 F	0.050 F	0.038 F	0.052 F	0.047 F	UJ	0.047 F	0.039 F
COD	--	5	14	U	9.4 F	13	8.5 F	4.1 F	6.3 F	4.1 F	20	8.2 F	U	6.0 F	U
chloride	250	1	64.7	67	63	63	62	52	51	88	100	95	95	110	100 F
color	15	5	**20**	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	U	NA	NA	0.0098 F	U	NA	NA	NA	NA
hardness, Total	--	1	315	410	380	360	370	320	340	340	410	380	330	340	360
nitrate	10	1	0.655	0.14 F	0.092 F	0.11	0.24	0.21 B	0.27	0.058 F	0.082 F	0.046 F	U	U	U
TKN	1	0.2	0.15 F	0.081 F	0.070 F	U	U	0.062 F	U	U	U	U	U	U	U
sulfate	250	1	46.5	56	52	49	54	50	44	39	41	43	38	38	39
TDS	500	10	420	480	470	420	**520**	330	410	290	420	480	450	430	490
TOC	--	1	U	0.72 F	1.1	0.56 F	1.3 B	0.92 F	3.0	1.6	0.48 F	0.53 F	0.86 F	U	0.65 F

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-18												
Date of Collection			**9/14/2009**	**3/22/2010**	**9/14/2010**	**6/6/2011**	**6/18/2012**								
Sample ID No.			**LF6VM1850NA**	**LF6VM1850OA**	**LF6VM1850PA**	**LF6VM1850PA**	**LF6VM1850QA**								
Depth to Water (ft)			**11.81**	**11.41**	**13.58**	**10.34**	**11.44**								
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA								
1,1-dichloroethene	5*	1	U	U	U	NA	NA								
1,2-dichloroethane	0.6	1	U	U	U	NA	NA								
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA								
acetone	50	10	U	U	2.30 F	NA	NA								
benzene	1	0.1	U	U	U	NA	NA								
carbon disulfide	1,000	0.5	U	U	U	NA	NA								
chloroform	7	0.3	U	U	U	NA	NA								
chloromethane	5*	1	U	U	U	NA	NA								
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA								
dichlorodifluoromethane	5*	1	U	U	U	NA	NA								
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA								
methylene chloride	5*	1	U	U	U	NA	NA								
m,p-xylene	5*	2	U	U	U	NA	NA								
trichloroethene (TCE)	5*	1	U	U	U	NA	NA								
toluene	5*	1	U	U	U	NA	NA								
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA								
trichlorofluoromethane	5*	1	U	U	U	NA	NA								
vinyl chloride	2	1	U	U	U	NA	NA								
xylenes, Total	--	1.5	U	U	U	NA	NA								
Total VOCs (µg/L)			**0**	**0**	**2.30**	NA	NA								
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	260	240	240	230	260								
ammonia	2	0.2	0.038 F	U	U	0.064 F	0.096 JB								
BOD5	--	2.4	U	U	U	U	U								
bromide	2	0.5	0.053 F	U	U	U	U								
COD	--	5	U	5.4 FB	U	U	7.3 J								
chloride	250	1	110	110	120	120	92								
color	15	5	NA	U	NA	U	U								
cyanide, Total	200	0.02	NA	0.0083 F	U	NA	U								
hardness, Total	--	1	360	350	340	320	310								
nitrate	10	1	0.030 F	U	U	U	U								
TKN	1	0.2	U	0.19 FB	0.27 B	0.47 F	0.74 JB								
sulfate	250	1	42	39	42	39	42								
TDS	500	10	470	460	480	460	430								
TOC	--	1	0.62 F	0.67 FB	0.82 F	0.80 F	0.67 J								

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-19												
Date of Collection			6/28/2006	9/18/2006	12/12/2006	4/13/2007	6/20/2007	9/28/2007	12/10/2007	4/7/2008	6/18/2008	9/30/2008	12/9/2008	4/14/2009	6/29/2009
Sample ID No.			LF6VM1926AA	LF6VM1926BB	LF6VM1926CA	LF6VM1926DA	LF6VM1926EA	LF6VM1926FA	LF6VM1926GA	LF6VM1926HA	LF6VM1926IA	LF6VM1926JA	LF6VM1926KA	LF6VM1926LA	LF6VM1926MA
Depth to Water (ft)			**9.03**	**9.37**	**8.31**	**7.02**	**7.65**	**9.03**	**8.78**	**7.38**	**7.95**	**8.90**	**8.68**	**7.96**	**9.30**
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	0.180 F	U	U	U	U	U
acetone	50	10	1 F	U	U	U	U	U	U	U	U	U	U	U	2.49 F
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	UJ	U
chloroform	7	0.3	U	1.07	0.290 F	0.100 F	0.850	1.450	0.640	0.150 F	0.470 F	1.57	0.570	0.130 F	0.770
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	0.120 F	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	UJ	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**1**	**1.07**	**0.29**	**0.1**	**0.850**	**1.570**	**0.640**	**0.330**	**0.470**	**1.570**	**0.570**	**0.130**	**3.260**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	106	110	130	140	92	120	150	250	150	110	180	290	190
ammonia	2	0.2	U	U	U	U	0.027 F	U	0.025 F	0.061	0.059 B	0.012 F	U	U	U
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.014 F	U	U	U	0.044 F	U	U	0.036 F	0.042 F	UJ	0.015 F	0.016 F
COD	--	5	0.0076 F	5 F	9.4 F	19	8.5 F	U	U	6.3 F	4.1 F	58	U	3.7 F	U
chloride	250	1	3.4	40	10	6.0	90	100	23	7.9	76	120	24	7.5	44 J
color	15	5	**50**	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	U	NA	NA	0.014 F	U	NA	NA	NA	NA
hardness, Total	--	1	115	160	190	200	180	170	190	280	240	260	300	340	250
nitrate	10	1	0.55 F	1.6	0.95	0.87	1.4	1.6	0.68	0.49	1.2	1.5	0.65	0.82	1.4
TKN	1	0.2	0.16 F	U	U	U	0.089 F	0.078 F	U	NA	U	0.076 F	**3.3**	0.12	U
sulfate	250	1	15.6	23	42	42	20	17	17	27	24	20	23	28	23
TDS	500	10	158	230	250	220	370	390	170	310	350	350	280	330	340
TOC	--	1	0.65 F	0.5 F	1.2	1.7	U	0.47 F	1.2	1.2	0.69 F	0.43 F	0.85 F	U	0.60 F

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-19													
Date of Collection			**9/14/2009**	**3/22/2010**	**9/14/2010**	**6/6/2011**	**6/18/2012**									
Sample ID No.			**LF6VM1926NA**	**LF6VM1926OA**	**LF6VM1926PA**	**LF6VM1926PA**	**LF6VM1926QA**									
Depth to Water (ft)			**9.31**	**9.34**	**10.55**	**8.05**	**9.15**									
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA									
1,1-dichloroethene	5*	1	U	U	U	NA	NA									
1,2-dichloroethane	0.6	1	U	U	U	NA	NA									
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA									
acetone	50	10	U	U	2.20 F	NA	NA									
benzene	1	0.1	U	U	U	NA	NA									
carbon disulfide	1,000	0.5	U	U	U	NA	NA									
chloroform	7	0.3	1.87	0.5	1.97	NA	NA									
chloromethane	5*	1	U	U	U	NA	NA									
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA									
dichlorodifluoromethane	5*	1	U	U	U	NA	NA									
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA									
methylene chloride	5*	1	U	U	U	NA	NA									
m,p-xylene	5*	2	U	U	U	NA	NA									
trichloroethene (TCE)	5*	1	U	U	U	NA	NA									
toluene	5*	1	U	U	U	NA	NA									
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA									
trichlorofluoromethane	5*	1	U	U	U	NA	NA									
vinyl chloride	2	1	U	U	U	NA	NA									
xylenes, Total	--	1.5	U	U	U	NA	NA									
Total VOCs (µg/L)			**1.87**	**0.5**	**4.17**	NA	NA									
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	140	320	160	160	190									
ammonia	2	0.2	0.042 F	U	U	0.054 F	0.099 JB									
BOD5	--	2.4	U	U	U	U	U									
bromide	2	0.5	0.037 F	U	U	U	U									
COD	--	5	U	U	U	U	5.0 J									
chloride	250	1	77	21	78	24	82									
color	15	5	NA	U	NA	U	U									
cyanide, Total	200	0.02	NA	0.0089 F	U	NA	U									
hardness, Total	--	1	200	360	250	190	250									
nitrate	10	1	2.0	1.4	1.8	4.9	3.4									
TKN	1	0.2	U	0.24 B	0.28 B	0.36 F	0.58 JB									
sulfate	250	1	17	23 B	18	11	18									
TDS	500	10	320	370	290	250	340									
TOC	--	1	0.44 F	1.3 B	0.78 F	1.1	0.91 J									

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-20												
Date of Collection			6/28/2006	9/18/2006	12/12/2006	4/11/2007	6/20/2007	9/27/2007	12/10/2007	4/7/2008	6/17/2008	9/30/2008	12/9/2008	4/14/2009	6/29/2009
Sample ID No.			LF6VM2068AA	LF6VM2068BB	LF6VM2068CA	LF6VM2068DA	LF6VM2068EA	LF6VM2068FA	LF6VM2068GA	LF6VM2068HA	LF6VM2068IA	LF6VM2068JA	LF6VM2068KA	LF6VM2068LA	LF6VM2068MA
Depth to Water (ft)			**11.04**	**11.40**	**10.25**	**8.97**	**9.20**	**4.78**	**10.85**	**9.28**	**9.54**	**10.74**	**10.73**	**9.95**	**10.10**
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	UJ	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	0.340 F	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	0.140 F	U	U	U	0.100	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	UJ	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**0**	**0**	**0.14**	**0**	**0**	**0**	**0.100**	**0**	**0**	**0**	**0.34**	**0**	**0**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	140	120	130	130	150	160	150	160	180	160	170	190	180
ammonia	2	0.2	0.22	0.081	U	U	0.031 F	0.011 F	0.039 F	0.09	0.093 B	U	U	U	U
BOD5	--	2.4	UJ	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.077 F	0.044 F	U	0.10 F	U	0.088 F	0.052 F	U	0.061 F	UJ	0.035 F	U
COD	--	5	U	9.2 F	5.3 F	17	15	U	6.3 F	6.3 F	U	8.2 F	U	6.0 F	U
chloride	250	1	**463**	**400**	**340**	**470**	**470**	35	**390**	200	180	250	230	110	57
color	15	5	**400**	NA	NA	NA	15	NA	NA	**20**	**25**	NA	NA	10	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	0.018 F	NA	NA	0.016 F	0.046	NA	NA	NA	NA
hardness, Total	--	1	600	450	400	420	340	270	340	210	200	240	210	160	120
nitrate	10	1	0.87 F	1.3	1.5	1.4	1.5	0.11	1.2	0.9	0.79 F	0.92	0.98	0.98	0.93
TKN	1	0.2	0.46	0.12 F	U	U	U	0.071 F	U	U	U	U	U	U	U
sulfate	250	1	10	14	16	12	15	1.1	15	14	13	11	13	12	7.7
TDS	500	10	**806**	**1,100**	**890**	**1,100**	**1,100**	**860**	**620**	**520**	490	**600**	**590**	390	310
TOC	--	1	1 B	0.93 F	0.83 F	0.51 F	0.51 F	0.53 F	0.70 F	0.71 F	U	U	0.73 F	U	U

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-20												
Date of Collection			**9/14/2009**	**3/22/2010**	**9/15/2010**	**6/6/2011**	**6/18/2012**								
Sample ID No.			**LF6VM2068NA**	**LF6VM2068OA**	**LF6VM2068PA**	**LF6VM2068PA**	**LF6VM2068QA**								
Depth to Water (ft)			**11.20**	**11.65**	**12.71**	**10.08**	**11.09**								
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA								
1,1-dichloroethene	5*	1	U	U	U	NA	NA								
1,2-dichloroethane	0.6	1	U	U	U	NA	NA								
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA								
acetone	50	10	U	U	1.21 F	NA	NA								
benzene	1	0.1	U	U	U	NA	NA								
carbon disulfide	1,000	0.5	U	U	U	NA	NA								
chloroform	7	0.3	U	U	U	NA	NA								
chloromethane	5*	1	U	U	U	NA	NA								
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA								
dichlorodifluoromethane	5*	1	U	U	U	NA	NA								
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA								
methylene chloride	5*	1	U	U	U	NA	NA								
m,p-xylene	5*	2	U	U	U	NA	NA								
trichloroethene (TCE)	5*	1	U	U	U	NA	NA								
toluene	5*	1	U	U	U	NA	NA								
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA								
trichlorofluoromethane	5*	1	U	U	U	NA	NA								
vinyl chloride	2	1	U	U	U	NA	NA								
xylenes, Total	--	1.5	U	U	U	NA	NA								
Total VOCs (µg/L)			**0**	**0**	**1.21**	NA	NA								
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	180	170	160	190	180								
ammonia	2	0.2	U	U	U	0.056 F	0.11 B								
BOD5	--	2.4	U	U	U	U	U								
bromide	2	0.5	0.028 F	U	U	U	U								
COD	--	5	U	U	U	U	8.0 J								
chloride	250	1	42	68	54	96	120								
color	15	5	NA	U	NA	U	U								
cyanide, Total	200	0.02	NA	0.0082 F	U	NA	U								
hardness, Total	--	1	110	140	130	140	130								
nitrate	10	1	1.1	1.0 B	0.76 F	13.0	1.5								
TKN	1	0.2	U	0.56 B	0.16 FB	0.43 F	0.75 JB								
sulfate	250	1	7.4	8.9 B	9.0	U	9.9								
TDS	500	10	260	280	250	350	360								
TOC	--	1	U	0.55 FB	0.53 F	0.64 F	0.43 J								

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-21												
Date of Collection			6/28/2006	9/18/2006	12/12/2006	4/11/2007	6/20/2007	9/27/2007	12/10/2007	4/7/2008	6/17/2008	10/1/2008	12/9/2008	4/14/2009	6/29/2009
Sample ID No.			LF6VM2175AA	LF6VM2175BB	LF6VM2175CA	LF6VM2175DA	LF6VM2175EA	LF6VM2175FA	LF6VM2175GA	LF6VM2175HA	LF6VM2175IA	LF6VM2175JA	LF6VM2175KA	LF6VM2175LA	LF6VM2175MA
Depth to Water (ft)			**43.30**	**43.41**	**42.40**	**41.29**	**41.35**	**42.68**	**42.78**	**41.51**	**41.54**	**43.71**	**42.74**	**42.05**	**42.15**
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	1.5 F	U	U	U	U	U	U	U	U	U	U	U	4.77 F
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	0.22 F	0.260 F	U	0.150 F	U	0.150 F	0.160 F	0.110 F	U	U	0.160 F	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	0.31 F	0.190 F	U	U	U	0.160 F	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	0.11 F	U	U	U	U	U	U	U	U	0.110 F	0.180 F	0.210 F
vinyl chloride	2	1	U	U	U	U	U	UJ	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**1.5**	**0.64**	**0.45**	**0**	**0.150**	**0**	**0.310**	**0.160**	**0.110**	**0**	**0.110**	**0.340**	**4.930**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	111	96	92	72	82	88	82	100	100	90	92	120	110
ammonia	2	0.2	0.023 F	0.011 F	U	U	0.026 F	U	0.026 F	0.084	0.045 F	0.021 F	U	U	U
BOD5	--	2.4	UJ	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	UJ	U	U
COD	--	5	U	18 B	16	17	6.3 F	U	22 B	6.3 F	U	U	U	U	U
chloride	250	1	3.6	2.5	1.8	1.9	1.0	2.2	2.3	3.5	4.8	2.8	3.6	4.7	2.7
color	15	5	**160**	NA	NA	NA	U	NA	NA	U	10	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	U	NA	NA	U	0.0065 F	NA	NA	NA	NA
hardness, Total	--	1	107	100	96	84	88	60	96	100	88	110	92	110	88
nitrate	10	1	0.75 F	0.87 F	0.77	0.71	0.82	0.85	0.80	0.81	0.72	0.80	0.8	0.9	1.2
TKN	1	0.2	0.5	0.075 F	0.071 F	U	U	U	U	U	U	U	U	U	U
sulfate	250	1	6	5	4.7	4.9	4.9	4.8	4.8	4.6	4.9	4.4	9.9	4.8	4.2
TDS	500	10	148	140	79	100	120	130	66	120	120	92	120	78	120
TOC	--	1	U	0.54 F	0.88 F	U	U	U	0.43 F	0.47 F	U	U	0.45 F	U	U

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-21												
Date of Collection			**9/15/2009**	**3/22/2010**	**9/14/2010**	**6/62011**	**6/18/2012**								
Sample ID No.			**LF6VM2175NA**	**LF6VM2175OA**	**LF6VM2175PA**	**LF6VM2175PA**	**LF6VM2175QA**								
Depth to Water (ft)			**43.25**	**43.72**	**44.67**	**42.25**	**43.03**								
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA								
1,1-dichloroethene	5*	1	U	U	U	NA	NA								
1,2-dichloroethane	0.6	1	U	U	U	NA	NA								
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA								
acetone	50	10	U	U	1.56 F	NA	NA								
benzene	1	0.1	U	U	U	NA	NA								
carbon disulfide	1,000	0.5	U	U	U	NA	NA								
chloroform	7	0.3	U	0.110 F	0.120 F	NA	NA								
chloromethane	5*	1	U	U	U	NA	NA								
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA								
dichlorodifluoromethane	5*	1	U	U	U	NA	NA								
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA								
methylene chloride	5*	1	U	U	U	NA	NA								
m,p-xylene	5*	2	U	U	U	NA	NA								
trichloroethene (TCE)	5*	1	U	U	U	NA	NA								
toluene	5*	1	U	U	U	NA	NA								
trans-1,2-dichloroethene	5*	1	0.140 F	U	U	NA	NA								
trichlorofluoromethane	5*	1	U	0.140 F	0.140 F	NA	NA								
vinyl chloride	2	1	U	U	U	NA	NA								
xylenes, Total	--	1.5	U	U	U	NA	NA								
Total VOCs (µg/L)			**0.14**	**0.25**	**1.82**	NA	NA								
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	130	110	100	120	100								
ammonia	2	0.2	U	U	U	0.076 F	0.12 B								
BOD5	--	2.4	NA	U	U	U	U								
bromide	2	0.5	U	U	U	U	U								
COD	--	5	39	U	U	U	6.3 J								
chloride	250	1	3.5	2.9	2.3	3.4	3.0								
color	15	5	NA	U	NA	**20**	U								
cyanide, Total	200	0.02	NA	0.0080 F	U	NA	U								
hardness, Total	--	1	180	110	100	94	99								
nitrate	10	1	2.3	2.3	1.2	2.5	1.3								
TKN	1	0.2	0.17 F	0.44 B	0.19 FB	0.39 F	0.70 JB								
sulfate	250	1	4.3	4.3 B	4.6	4.4 F	3.0 J								
TDS	500	10	140	130 B	97	130	110								
TOC	--	1	0.86 F	U	U	0.44 F	0.48 J								

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-22												
Date of Collection			6/29/2006	9/19/2006	12/13/2006	4/13/2007	6/21/2007	9/28/2007	12/12/2007	4/8/2008	6/18/2008	10/1/2008	12/11/2008	4/16/2009	6/30/2009
Sample ID No.			LF6VM2235AA	LF6VM2235BB	LF6VM2235CA	LF6VM2235DA	LF6VM2235EA	LF6VM2235FA	LF6VM2235GA	LF6VM2235HA	LF6VM2235IA	LF6VM2235JA	LF6VM2235KA	LF6VM2235LA	LF6VM2235MA
Depth to Water (ft)			19.27	14.68	13.54	12.71	13.37	14.41	13.89	12.84	13.56	14.28	13.74	13.36	13.76
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	0.100 F	U	U	U	0.190 F	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	5.26 F
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	0.120 F♦	U	U	U	U	UJ	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	0.120 F	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**0**	**0**	**0**	**0.100**	**0.120**	**0**	**0.120**	**0.190**	**0**	**0**	**0**	**0**	**5.26**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	211	170	130	100	140	190	190	140	170♦	210	210	160	190
ammonia	2	0.2	U	U	U	U	0.015 F	0.017 F♦	U	U	0.046 F♦	0.029 F	U	0.031 F♦	0.017 F
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.021 F	U	U	0.025 F♦	0.040 F	0.044 F♦	0.029 F	0.042 F	0.052 F	UJ	0.043 F	0.073 F♦
COD	--	5	U	U	9.4 F	13 J	13 B	U	13 B♦	6.3 F♦	13 J♦	3.7 F	6.0 F♦	6.0 F♦	U
chloride	250	1	18.4	20	9.1	4.6	27	50	38	8.8	30	45	28	10	23
color	15	5	**20 J**	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	U	NA	NA	NA	U	NA	NA	0.0047 F	U	NA	NA	NA	NA
Fluoride	1.5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hardness, Total	--	1	197	200	150	110	190♦	270	260	140	210♦	280	240♦	190	240
nitrate	10	1	0.9 F	0.89 F	0.42	0.29	0.90♦	1.2	1.2	0.57 B♦	1.1	1.5	1.4	0.99 ♦	1.3
TKN	1	0.2	U	U	U	U	U	0.078 F	U	U	U	U	U	U	0.12 F
sulfate	250	1	18.4	20	16	13	21♦	27	27	16	21	26	24	20	24♦
TDS	500	10	260	240	180	110	270	260	350♦	160♦	220	300	290♦	210	350♦
TOC	--	1	0.64 F	0.72 F	0.69 F	U	0.77 F♦	1.2	0.90 F	1.5 B	0.54 F	0.97 F	0.65 F	0.39 F	0.75 F

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-22													
Date of Collection			**9/16/2009**	**3/23/2010**	**9/15/2010**	**6/7/2011**	**6/18/2012**									
Sample ID No.			**LF6VM2235NA**	**LF6VM2235OA**	**LF6VM2235PA**	**LF6VM2235PA**	**LF6VM2235QA**									
Depth to Water (ft)			**14.61**	**14.15**	**15.47**	**13.36**	**14.15**									
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA									
1,1-dichloroethene	5*	1	U	U	U	NA	NA									
1,2-dichloroethane	0.6	1	U	U	U	NA	NA									
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA									
acetone	50	10	U	1.17 F	1.76 FB♦	NA	NA									
benzene	1	0.1	U	U	U	NA	NA									
carbon disulfide	1,000	0.5	U	U	U	NA	NA									
chloroform	7	0.3	U	U	U	NA	NA									
chloromethane	5*	1	U	U	U	NA	NA									
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA									
dichlorodifluoromethane	5*	1	U	U	U	NA	NA									
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA									
methylene chloride	5*	1	U	U	U	NA	NA									
m,p-xylene	5*	2	U	U	U	NA	NA									
trichloroethene (TCE)	5*	1	U	U	U	NA	NA									
toluene	5*	1	U	U	U	NA	NA									
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA									
trichlorofluoromethane	5*	1	U	U	U	NA	NA									
vinyl chloride	2	1	U	U	U	NA	NA									
xylenes, Total	--	1.5	U	U	U	NA	NA									
Total VOCs (µg/L)			**0**	**1.17**	**1.76**	NA	NA									
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	230	220	250	140	180									
ammonia	2	0.2	U	U	U	0.12	0.19 B♦									
BOD5	--	2.4	U	U	U	1.4 F♦	U									
bromide	2	0.5	0.051 F	0.036 F	UM	U	U									
COD	--	5	9.0 F	59 J	5.6 F	4.3 F♦	9.7 J									
chloride	250	1	38	14	20♦	1.6 F♦	21									
color	15	5	NA	U	NA	U	U									
cyanide, Total	200	0.02	NA	0	U	NA	U									
Fluoride	1.5	1	U	U	U	U	U									
hardness, Total	--	1	360♦	0.010 F	300	150 ♦	310 J									
nitrate	10	1	1.7	1.2	1.9	0.85♦	2.2									
TKN	1	0.2	U	0.38 JB♦	0.24 B♦	0.39 F	0.71 J B♦									
sulfate	250	1	28	23	26	14	18									
TDS	500	10	340	270	340♦	170 ♦	230									
TOC	--	1	0.89 F	0.81 F	1.1 B	0.75 F	0.63 J									

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-23												
Date of Collection			**6/29/2006**	**9/18/2006**	**12/12/2006**	**4/17/2007**	**6/21/2007**	**9/28/2007**	**12/11/2007**	**4/3/2008**	**6/18/2008**	**10/1/2008**	**12/11/2008**	**4/16/2009**	**6/30/2009**
Sample ID No.			**LF6VM2348AA**	**LF6VM2348BB**	**LF6VM2348CA**	**LF6VM2348DA**	**LF6VM2348EA**	**LF6VM2348FA**	**LF6VM2348GA**	**LF6VM2348HA**	**LF6VM2348IA**	**LF6VM2348JA**	**LF6VM2348KA**	**LF6VM2348LA**	**LF6VM2348MA**
Depth to Water (ft)			**16.16**	**16.60**	**15.58**	**14.44**	**15.33**	**16.38**	**15.96**	**14.69**	**15.51**	**16.21**	**15.70**	**15.21**	**16.69**
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	1.10 F
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	UJ	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	0.14 F	U	U	U	U	0.110 F	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**0**	**0.14**	**0**	**0**	**0**	**0**	**0.110**	**0**	**0**	**0**	**0**	**0**	**1.10**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	205	180	380	160	160	180	190	210	200	180	200	220	190
ammonia	2	0.2	U	U	U	U	0.018 F	U	0.05	U	0.057 B	0.029 F	U	U	0.024 F
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.029 F	U	0.11	0.080 F	0.11 F	0.12 F	0.023 F	0.024 F	0.035 F	UJ	0.020 F	U
COD	--	5	11.6 B	18 B	5.3 F	19 B	11 B	U	8.5 F	U	4.1 F	U	6.0 F	6.0 F	U
chloride	250	1	2.5	2.8	3.0	5.3	6.3	5.9	5.3	2.0	1.3	1.2	3.3	0.89 F	0.67 F
color	15	5	**60**	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	U	NA	NA	NA	U	NA	NA	0.015 F	U	NA	NA	NA	NA
Fluoride	1.5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hardness, Total	--	1	237	230	200	260	300	310	330	260	220	220	260	250	220
nitrate	10	1	0.32 F	0.68 F	0.53	1.3	1.9	1.6	1.7	0.96	0.61	0.6	0.81	0.61	0.70
TKN	1	0.2	0.17 F	U	U	0.057 F	U	0.085 F	U	U	U	U	U	U	U
sulfate	250	1	40.7	35	35	85	130	120	110	54	30	38	51	39	22
TDS	500	10	278	250	210	330	410	270	390	290	260	240	200	250	260
TOC	--	1	0.8 F	1.1	0.89 F	0.52 F	1.3 B	0.97 F	0.81 F	1.3	0.48 F	0.59 F	0.44 F	0.38 F	0.50 F

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-23													
Date of Collection			**9/15/2009**	**3/23/2010**	**9/15/2010**	**6/62011**	**6/20/2012**									
Sample ID No.			**LF6VM2348NA**	**LF6VM2348OA**	**LF6VM2348PA**	**LF6VM2348PA**	**LF6VM2348QA**									
Depth to Water (ft)			**16.51**	**16.07**	**17.40**	**15.22**	**16.07**									
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	U	U	U	NA	U									
1,1-dichloroethene	5*	1	U	U	U	NA	U									
1,2-dichloroethane	0.6	1	U	U	U	NA	U									
1,4-dichlorobenzene	3	0.5	U	U	U	NA	U									
acetone	50	10	U	1.42 F	2.07 FB	NA	U									
benzene	1	0.1	U	U	U	NA	U									
carbon disulfide	1,000	0.5	U	U	U	NA	U									
chloroform	7	0.3	U	U	U	NA	U									
chloromethane	5*	1	U	U	U	NA	U									
cis-1,2-dichloroethene	5*	1	U	U	U	NA	U									
dichlorodifluoromethane	5*	1	U	U	U	NA	U									
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	U									
methylene chloride	5*	1	U	U	U	NA	U									
m,p-xylene	5*	2	U	U	U	NA	U									
trichloroethene (TCE)	5*	1	U	U	U	NA	U									
toluene	5*	1	U	U	U	NA	U									
trans-1,2-dichloroethene	5*	1	U	U	U	NA	U									
trichlorofluoromethane	5*	1	U	U	U	NA	U									
vinyl chloride	2	1	U	U	U	NA	U									
xylenes, Total	--	1.5	U	U	U	NA	U									
Total VOCs (µg/L)			**0**	**1.42**	**2.07**	NA	**0**									
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	190	220	210	240	290									
ammonia	2	0.2	0.048 F	U	U	0.060 F	0.092 JB									
BOD5	--	2.4	U	U	U	U	U									
bromide	2	0.5	0.025 F	0.021 F	U	U	U									
COD	--	5	U	U	U	U	U									
chloride	250	1	0.79 F	0.55 F	0.82 F	0.72	1.6 J									
color	15	5	NA	U	NA	U	U									
cyanide, Total	200	0.02	NA	0.0091 F	U	NA	U									
Fluoride	1.5	1	U	U	U	U	0.093 J									
hardness, Total	--	1	210	260	230	250	310									
nitrate	10	1	0.74	0.6	0.48 F	0.9	5.7									
TKN	1	0.2	U	0.20 B	0.16 FB	0.49 F	0.56 JB									
sulfate	250	1	21	29	20	23	18									
TDS	500	10	240	240	250	260	320									
TOC	--	1	0.67 F	0.66 F	2.2 B	0.92 F	0.97 J									

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-24												
Date of Collection			**6/29/2006**	**9/19/2006**	**12/12/2006**	**4/17/2007**	**6/21/2007**	**9/28/2007**	**12/11/2007**	**4/7/2008**	**6/18/2008**	**10/1/2008**	**12/11/2008**	**4/16/2009**	**7/1/2009**
Sample ID No.			**LF6VM2448AA**	**LF6VM2449BB**	**LF6VM2449CA**	**LF6VM2449DA**	**LF6VM2449EA**	**LF6VM2449FA**	**LF6VM2449GA**	**LF6VM2449HA**	**LF6VM2449IA**	**LF6VM2449JA**	**LF6VM2449KA**	**LF6VM2449LA**	**LF6VM2449MA**
Depth to Water (ft)			**12.32**	**12.74**	**11.70**	**10.65**	**11.51**	**12.52**	**12.12**	**10.92**	**11.71**	**12.39**	**11.85**	**4.42**	**11.90**
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	5.40 F♦
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	UJ	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	0.320 F	U	U	U	0.120 F	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.210 F♦
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**0**	**0**	**0.32**	**0**	**0**	**0**	**0.120**	**0**	**0**	**0**	**0**	**0**	**5.61**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	138	120	160	120	120	130	130	130	130	120	120	130	120
ammonia	2	0.2	0.087	0.073 B	0.054	0.065	U	0.074	0.11	0.11	0.10 B	0.11 B	0.062	0.11 B	0.10 ♦
BOD5	--	2.4	U	2.7	U	U	U	U	2.5	U	2.4	2.8	2.7	U	2.2
bromide	2	0.5	0.77	0.63	0.50	0.50	0.47	1.2	1.4	0.53	0.50	0.56	0.54 J	0.58	0.48 F♦
COD	--	5	12.3 B	5 F	7.3 F	15 B	8.5 F	4.1 F	8.5 F	6.3 F	U	8.2 F	8.2 F	8.2 F	9.0 F
chloride	250	1	199	110	110	98	110	130	130	130	130	150	150	170	170 M
color	15	5	**30**	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	U	NA	NA	NA	U	NA	NA	U	U	NA	NA	NA	NA
Fluoride	1.5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hardness, Total	--	1	159	180	150	170	180	180	200	200	210	220	220	230	250
nitrate	10	1	U	U	U	U	0.040 F	U	U	U	U	U	U	U	U
TKN	1	0.2	0.061 F	0.077 F	0.18 F	U	U	0.082 F	0	U	0.13 F	U	U	U	0.16 F
sulfate	250	1	24.6	29	28	28	27	24	24	24	25	24	25	23	21
TDS	500	10	350	350	350	350	390	300	370	370	400	390	380	410	**530♦**
TOC	--	1	U	U	0.45 F	0.81 F	0.66 F	0.51 F	0.48 F	0.93 F	0.42 F	U	U	U	U

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-24													
Date of Collection			**9/15/2009**	**3/23/2010**	**9/23/2010**	**6/9/2011**	**6/19/2012**									
Sample ID No.			**LF6VM2449NA**	**LF6VM2449OA**	**LF6VM2449PA**	**LF6VM2449PA**	**LF6VM2449QA**									
Depth to Water (ft)			**12.68**	**12.19**	**13.80**	**11.50**	**12.22**									
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	U	U	U	U	U									
1,1-dichloroethene	5*	1	U	U	U	0.23 F	U									
1,2-dichloroethane	0.6	1	U	U	U	U	U									
1,4-dichlorobenzene	3	0.5	U	U	U	U	U									
acetone	50	10	U	1.22 F	2.21 FB	U	U									
benzene	1	0.1	U	U	U	U	U									
carbon disulfide	1,000	0.5	U	U	U	U	U									
chloroform	7	0.3	U	U	U	U	U									
chloromethane	5*	1	U	U	U	U	U									
cis-1,2-dichloroethene	5*	1	U	U	U	U	0.49 J									
dichlorodifluoromethane	5*	1	U	U	U	U	U									
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U									
methylene chloride	5*	1	U	U	U	0.50 F	U									
m,p-xylene	5*	2	U	U	U	U	U									
trichloroethene (TCE)	5*	1	U	U	U	U	U									
toluene	5*	1	U	U	U	U	U									
trans-1,2-dichloroethene	5*	1	U	U	U	U	U									
trichlorofluoromethane	5*	1	U	U	U	U	U									
vinyl chloride	2	1	U	U	U	U	U									
xylenes, Total	--	1.5	U	U	U	U	U									
Total VOCs (µg/L)			**0**	**1.22**	**2.21**	**0.73**	**0.49**									
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	120	130	130	120	99									
ammonia	2	0.2	0.093	0.065	0.073	0.19	0.12 B									
BOD5	--	2.4	U	8.5	3.8 J	9.4	U									
bromide	2	0.5	0.58	0.7	U	0.67	0.63									
COD	--	5	6.7 F	U	5.6 FB	6.6 F	4.3 J									
chloride	250	1	180	210	240	250	**390**									
color	15	5	NA	U	NA	U	U									
cyanide, Total	200	0.02	NA	0.0090 F	U	NA	U									
Fluoride	1.5	1	U	U	U	U	U									
hardness, Total	--	1	250	280	300	340	440									
nitrate	10	1	U	U	U	U	U									
TKN	1	0.2	0.95	0.54 B	0.24 B	0.45 F	0.90 JB									
sulfate	250	1	24	18	16	22	45									
TDS	500	10	**530**	**510**	**620**	**710**	**800**									
TOC	--	1	0.67 F	U	0.85 F	0.51 F	0.56 J									

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-25												
Date of Collection			**6/29/2006**	**9/19/2006**	**12/12/2006**	**4/17/2007**	**6/25/2007**	**10/1/2007**	**12/11/2007**	**4/3/2008**	**6/17/2008**	**10/2/2008**	**12/11/2008**	**4/16/2009**	**6/30/2009**
Sample ID No.			**LF6VM2544AA**	**LF6VM2544BB**	**LF6VM2544CA**	**LF6VM2544DA**	**LF6VM2544EA**	**LF6VM2544FA**	**LF6VM2544GA**	**LF6VM2544HA**	**LF6VM2544IA**	**LF6VM2544JA**	**LF6VM2544KA**	**LF6VM2544LA**	**LF6VM2544MA**
Depth to Water (ft)			**3.13**	**3.72**	**2.86**	**1.83**	**2.85**	**3.56**	**3.10**	**2.10**	**2.99**	**3.37**	**2.87**	**2.62**	**3.08**
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	0.140 F	U	U	U	U	UJ	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	0.290 F	U	U	U	0.150 F	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**0**	**0**	**0.29**	**0**	**0**	**0**	**0.190**	**0**	**0**	**0**	**0**	**0**	**0**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	478	390	120	400	380	390	380	380	370	320	340	370	360
ammonia	2	0.2	0.077	0.94	1.0	1.3	1.4	1.4	1.4	1.5	1.6	1.5	1.6	1.5	1.5
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.024 F	U	0.050 F	0.024 F	0.029 F	0.040 F	0.024 F	.062 F	0.13	UJ	0.14 F	0.11
COD	--	5	U	7.1 F	16	19 B	22 B	13	15 B	13	8.5 F	15	15	10	16
chloride	250	1	11.5	15	14	14	17	19	18	13	15	28	20	12	13
color	15	5	**25**	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	U	NA	NA	NA	U	NA	NA	0.016 F	NA	NA	NA	NA	NA
Fluoride	1.5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hardness, Total	--	1	720	460	28	420	410	12	460	400	440	420	480	440	500
nitrate	10	1	U	0.017 F	0.089 F	U	U	0.038 F	0.032 F	0.025 F	0.018 F	0.041 F	U	0.086 F	0.021 F
TKN	1	0.2	**1.2**	**1.1**	**1.1**	**1.2**	**1.4**	**1.3**	**1.4**	**1.5**	**1.4**	**1.6**	**1.5**	**2.1**	**1.7**
sulfate	250	1	36.3	36	33	33	34	36	36	38	47	120	120	110	120 J
TDS	500	10	498	470	490	**510**	**500**	**510**	**500**	450	430	**560**	470	**560**	**670**
TOC	--	1	3.9	3.5	3.7	3.3	3.7	3.4	3.5	3.4	3.0	3.6	3.0	2.8	2.9

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-25													
Date of Collection			**9/16/2009**	**3/23/2010**	**9/15/2010**	**6/8/2011**	**6/19/2012**									
Sample ID No.			**LF6VM2544NA**	**LF6VM2544OA**	**LF6VM2544PA**	**LF6VM2544PA**	**LF6VM2544QA**									
Depth to Water (ft)			**3.84**	**3.09**	**4.48**	**2.69**	**3.29**									
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	U	U	U	U	U									
1,1-dichloroethene	5*	1	U	U	U	U	U									
1,2-dichloroethane	0.6	1	U	U	U	U	U									
1,4-dichlorobenzene	3	0.5	U	U	U	U	U									
acetone	50	10	U	U	1.06 FB	U	U									
benzene	1	0.1	U	U	U	U	U									
carbon disulfide	1,000	0.5	U	U	U	U	U									
chloroform	7	0.3	U	U	U	U	U									
chloromethane	5*	1	U	U	U	U	U									
cis-1,2-dichloroethene	5*	1	U	U	U	U	U									
dichlorodifluoromethane	5*	1	U	U	U	U	U									
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U									
methylene chloride	5*	1	U	U	U	U	U									
m,p-xylene	5*	2	U	U	U	U	U									
trichloroethene (TCE)	5*	1	U	U	U	U	U									
toluene	5*	1	U	U	U	U	U									
trans-1,2-dichloroethene	5*	1	U	U	U	U	U									
trichlorofluoromethane	5*	1	U	U	U	U	U									
vinyl chloride	2	1	U	U	U	U	U									
xylenes, Total	--	1.5	U	U	U	U	U									
Total VOCs (µg/L)			**0**	**0**	**1.06**	**0**	**0**									
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	350	390	330	360	340									
ammonia	2	0.2	1.5	1.3	1.0	0.78	0.67									
BOD5	--	2.4	U	U	U	2.2 F	U									
bromide	2	0.5	0.14 F	U	U	U	U									
COD	--	5	14	15	U	8.7 F	7.3 J									
chloride	250	1	23	19	21	19	13									
color	15	5	NA	U	NA	U	U									
cyanide, Total	200	0.02	NA	0.0084 F	U	U	U									
Fluoride	1.5	1	U	U	U	U	U									
hardness, Total	--	1	530	520	440	370	380									
nitrate	10	1	0.043 F	0.052 F	U	U	0.045 J									
TKN	1	0.2	**1.4**	**1.5**	**1.2**	0.96 F	**1.4 B**									
sulfate	250	1	150	160	110	70	50									
TDS	500	10	**640**	**590**	500	480	430									
TOC	--	1	3.1	2.9	3.4 B	2.6	2.4									

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-26												
Date of Collection			7/6/2006	9/19/2006	12/13/2006	4/17/2007	6/25/2007	10/1/2007	12/12/2007	4/7/2008	6/18/2008	9/29/2008	12/11/2008	4/16/2009	7/1/2009
Sample ID No.			LF6VM02650AA	LF6VM02650BB	LF6VM2650CA	LF6VM2650DA	LF6VM2650EA	LF6VM2650FA	LF6VM2650GA	LF6VM2650HA	LF6VM2650IA	LF6VM2650JA	LF6VM2650KA	LF6VM2650LA	LF6VM2650MA
Depth to Water (ft)			5.35	5.72	4.65	3.85	4.87	5.63	4.91	4.13	4.91	5.39	4.85	4.50	4.92
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	UM	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	UM	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	UM	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	UM	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	UJ	0.600 F
chloroform	7	0.3	UM	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	UM	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	**99 M**	**75.2**	**106**	**90.5 J**	**102**	**91.8**	**108♦**	**115**	**92.8**	**78.0**	**93.9**	**87.4**	**105**
dichlorodifluoromethane	5*	1	UM	U	UJ	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	UM	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	UM	0.12 F	U	U	1.20 F	U	0.550 F♦	U	U	U	U	U	U
m,p-xylene	5*	2	UM	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	UM	U	U	1.07	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	UM	U	U	U	U	U	U	U	U	U	U	0.800 F	U
trichlorofluoromethane	5*	1	UM	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	0.72 M	0.63	U	0.610 F	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	UM	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**99.72**	**75.95**	**106**	**92.18**	**103.20**	**91.8**	**108.55**	**115**	**92.8**	**78.0**	**93.90**	**88.20**	**105.60**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	306	260	240	240	240	240	230	240	250	250	230	220	220
ammonia	2	0.2	U	U	U	U	0.028 F	0.012 F	U	0.043 F♦	0.21♦	U	U	0.030 F	0.088
BOD5	--	2.4	U	U	2.1	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	0.26 F	0.07 F	U	0.080 F	0.055 F	0.059 F	0.090 F♦	0.19	0.22	0.12 F	UJ	0.076 F	0.063 F
COD	--	5	UM	U	9.4 F	17 BJ	17 B♦	U	11 B♦	8.5 F	13♦	3.7 F	3.7 F	6.0 F	6.7 F
chloride	250	1	50	45	51	48	52	61	62	130	120	88	200	93	85
color	15	5	**70**	NA	NA	NA	U	NA	NA	U	10	NA	NA	U	NA
cyanide, Total	200	0.02	UM	NA	NA	NA	U	NA	NA	0.0072 F	U	NA	NA	NA	NA
hardness, Total	--	1	370 M	330	320	320	330	320	350♦	420	420	360	360	340	350
nitrate	10	1	U	U	U	U	U	U	U	U	U	0.031 F	U	U	U
TKN	1	0.2	UM	U	U	U	U	U	U	U	0.21 J	U	U	U	0.11 F
sulfate	250	1	41	42	42	45	53	54	55	53	48	49	46	58	54
TDS	500	10	419	350	380	390	420♦	450	460	**520**	**580♦**	**530**	460	440	**520**
TOC	--	1	0.84 F	0.61 F	0.74 F	0.84 F	1.1	1.1	1.1 ♦	1.4	0.60 F	0.70 F	U	U	0.41 F

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-26												
Date of Collection			**9/16/2009**	**3/24/2010**	**9/16/2010**	**6/8/2011**	**6/20/2012**								
Sample ID No.			**LF6VM2650NA**	**LF6VM2650OA**	**LF6VM2650PA**	**LF6VM2650PA**	**LF6VM2650QA**								
Depth to Water (ft)			**5.57**	**5.00**	**6.22**	**4.47**	**5.12**								
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U								
1,1-dichloroethene	5*	1	U	U	U	U	U								
1,2-dichloroethane	0.6	1	U	U	U	U	U								
1,4-dichlorobenzene	3	0.5	U	U	U	U	U								
acetone	50	10	U	U	5.35	U	U								
benzene	1	0.1	U	U	U	U	U								
carbon disulfide	1,000	0.5	U	U	U	U	U								
chloroform	7	0.3	U	U	U	U	U								
chloromethane	5*	1	U	U	U	U	U								
cis-1,2-dichloroethene	5*	1	**100**	**80. 4♦**	**82**	**100 F**	**100**								
dichlorodifluoromethane	5*	1	U	U	U	U	U								
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U								
methylene chloride	5*	1	U	U	U	U	U								
m,p-xylene	5*	2	U	U	U	U	U								
trichloroethene (TCE)	5*	1	U	U	U	U	U								
toluene	5*	1	U	U	U	U	U								
trans-1,2-dichloroethene	5*	1	0.550 F	U	U	0.35 F	0.25 J								
trichlorofluoromethane	5*	1	U	U	U	U	U								
vinyl chloride	2	1	U	U	U	U	U								
xylenes, Total	--	1.5	U	U	U	U	U								
Total VOCs (µg/L)			**100.55**	**80.4**	**87.35**	**100.35**	**100.25**								
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	210	200	220	230	230								
ammonia	2	0.2	U	U	U	0.098	0.48 J♦								
BOD5	--	2.4	U	U	24 J	2.5	U								
bromide	2	0.5	0.083 F	U	U	0.11	0.17 J								
COD	--	5	6.7 F	U	23	U	U								
chloride	250	1	100	140 ♦	140	150 ♦	180								
color	15	5	NA	U	NA	U	10 ♦								
cyanide, Total	200	0.02	NA	NA	U	U	U								
hardness, Total	--	1	360	370	400	410 ♦	410								
nitrate	10	1	0.044 F	0.060 F	U	U	0.042 J♦								
TKN	1	0.2	U	0.28 B ♦	U	0.31	0.67 JB								
sulfate	250	1	53	49	51	50	47								
TDS	500	10	430	490♦	440	490	**510**								
TOC	--	1	0.60 F	0.66 F	1.0	0.81 ♦	0.73 J♦								

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	TMCMW-9												
Date of Collection			6/29/2006	9/19/2006	12/12/2006	4/17/2007	6/25/2007	10/1/2007	12/11/2007	4/3/2008	6/17/2008	10/2/2008	12/10/2008	4/16/2009	6/30/2009
Sample ID No.			TMC0919AA	TMC0919BB	TMCM0919CA	TMCM0919DA	TMCM0919EA	TMCM0919FA	TMCM0919GA	TMCM0919HA	TMCM0919IA	TMCM0919JA	TMCM0919KA	TMCM0919LA	TMCM0919MA
Depth to Water (ft)			**2.62**	**3.20**	**2.82**	**1.23**	**2.36**	**3.02**	**2.62**	**1.50**	**3.32**	**3.15**	**2.29**	**2.06**	**2.48**
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	1.20 F	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	UJ	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	0.480 F	U	U
cis-1,2-dichloroethene	5*	1	U	0.12 F	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	0.120 F	U	U	U	0.190 F	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**0**	**0.12**	**0.12**	**0**	**0**	**0**	**1.390**	**0**	**0**	**0**	**0.480**	**0**	**0**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	596	500	480	500	500	500	480	500	520	500	480	440	490
ammonia	2	0.2	0.8	1.5	U	0.42	1.3	1.3	0.028 F	0.28	1.4	1.3	U	0.041 F	1.3
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	0.11 F	U	0.077 F	0.098 F	0.051 F	0.1	0.11 F	UJ	U	0.083 F
COD	--	5	20.2 B	5 F	11	17 B	33	13	17 B	8.5 F	8.5 F	15	15 B	15	11
chloride	250	1	86.4	89	90	88	93	87	87	87	82	80	79	78	70
color	15	5	10	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	U	NA	NA	NA	0.0089 F	NA	NA	0.0061 F	NA	NA	NA	NA	NA
hardness, Total	--	1	546	610	530	560	570	570	530	540	640	560	470	470	540
nitrate	10	1	0.05 F	0.065 F	1.4	1.2	0.17 F	0.13 F	1.5	1.1	U	0.088 F	1.4	1.7	0.12 F
TKN	1	0.2	**1.4**	**1.5**	0.13 F	0.41	**1.4**	**1.3**	0.12 F	0.4	**1.2**	**1.3**	0.069 F	0.11 F	**1.5**
sulfate	250	1	87.4	93	92	85	90	85	84	87	82	77	74	74	66
TDS	500	10	**772**	**810**	**750**	**810**	**730**	**830**	**730**	**740**	**810**	**730**	**700**	**710**	**830**
TOC	--	1	3.5	3.3	3.4	3.3	4.0	3.4	3.2	3.3	3.2	3.3	3.7 B	2.9	3.5

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	TMCMW-9												
Date of Collection			**9/16/2009**	**3/23/2010**	**9/15/2010**	**6/8/2011**	**6/19/2012**								
Sample ID No.			**TMCM0919NA**	**TMCM0919OA**	**TMCM0919PA**	**TMCM0919PA**	**TMCM0919QA**								
Depth to Water (ft)			**3.26**	**2.45**	**3.88**	**2.18**	**2.67**								
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U								
1,1-dichloroethene	5*	1	U	U	U	U	U								
1,2-dichloroethane	0.6	1	U	U	U	U	U								
1,4-dichlorobenzene	3	0.5	U	U	U	U	U								
acetone	50	10	U	U	1.53 FB	U	U								
benzene	1	0.1	U	U	U	U	U								
carbon disulfide	1,000	0.5	U	U	U	U	U								
chloroform	7	0.3	U	U	U	U	U								
chloromethane	5*	1	U	U	U	U	U								
cis-1,2-dichloroethene	5*	1	0.110 F	U	0.120 F	U	U								
dichlorodifluoromethane	5*	1	U	U	U	U	U								
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U								
methylene chloride	5*	1	U	U	U	U	U								
m,p-xylene	5*	2	U	U	U	U	U								
trichloroethene (TCE)	5*	1	U	U	U	U	U								
toluene	5*	1	U	U	U	U	U								
trans-1,2-dichloroethene	5*	1	U	U	U	U	U								
trichlorofluoromethane	5*	1	U	U	U	U	U								
vinyl chloride	2	1	U	U	U	U	U								
xylenes, Total	--	1.5	U	U	U	U	U								
Total VOCs (µg/L)			**0.11**	**0**	**1.65**	**0**	**0**								
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	480	460	500	470	470								
ammonia	2	0.2	1.3	U	1.4	0.75	0.71								
BOD5	--	2.4	U	U	U	U	U								
bromide	2	0.5	0.097 F	0.1 F	U	U	0.15 J								
COD	--	5	16	12	12	7.3 F	14 J								
chloride	250	1	72	70	70	69	75								
color	15	5	NA	U	NA	U	U								
cyanide, Total	200	0.02	NA	0.012 F	U	U	U								
hardness, Total	--	1	580	490	510	460	460								
nitrate	10	1	0.21	1.1	U	0.45 F	2.0								
TKN	1	0.2	**1.3**	U	**1.5**	0.86 F	1.4 B								
sulfate	250	1	66	63	59	60	70								
TDS	500	10	**710**	**630**	**620**	**650**	**670**								
TOC	--	1	3.3	2.9	3.8	3.4	3.0								

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	TMC-USGS-2												
Date of Collection			7/6/2006	9/19/2006	12/13/2006	4/18/2007	6/21/2007	10/1/2007	12/11/2007	4/8/2008	6/18/2008	10/2/2008	12/11/2008	4/14/2009	7/1/2009
Sample ID No.			TMCUM0277AA	TMCUM0277BB	TMCUM0227CA	TMCUM0227DA	TMCUM0227EA	TMCUM0277FA	TMCUM0277GA	TMCUM0277HA	TMCUM0227IA	TMCUM0227JA	TMCUM0227KA	TMCUM0227LA	TMCUM0227MA
Depth to Water (ft)			**4.38**	**4.81**	**3.62**	**2.66**	**3.91**	**5.03**	**4.25**	**3.20**	**6.80**	**4.68**	**4.00**	**3.85**	**4.17**
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	0.25 F	U	UJ	0.110 F	0.100 F	U	U	U	U	U	U	U
acetone	50	10	1 F	U	U	UJ	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	0.11 F	U	U	UJ	U	U	U	U	U	U	U	UJ	0.140 F
chloroform	7	0.3	U	U	U	UJ	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	UJ	U	U	U	U	U	U	0.360 F	U	U
dichlorodifluoromethane	5*	1	U	U	UJ	UJ	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	0.16 F	U	U	UJ	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	0.43 F	0.170 F	UJ	0.120 F	U	0.150 F	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	UJ	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	UJ	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**1.27**	**0.68**	**0.17**	**0**	**0.23**	**0.1**	**0.150**	**0**	**0**	**0**	**0.36**	**0**	**0.140**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	156	130	190	240	150	170	170	150	190	160	150	180	130
ammonia	2	0.2	0.066 B	0.077 B	0.12	0.10	0.09	0.048 F	0.1	0.026 F	0.22	0.052 B	0.053	0.086 B	0.073
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.034 F	U	0.038 F	0.032 F	0.034 F	0.046 F	0.045 F	0.042 F	0.038 F	UJ	0.040 F	0.028 F
COD	--	5	16.1 B	U	U	26 B	15 B	39	26 B	26 B	15	19	31	6.0 F	23
chloride	250	1	21.9	22	21	21	23	21	21	21	21	22	19	23	23
color	15	5	**100**	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	U	NA	NA	NA	U	NA	NA	U	U	NA	NA	NA	NA
hardness, Total	--	1	260	200	250	260	200	200	200	180	210	200	210	300	190
nitrate	10	1	U	0.09 F	0.11	0.016 F	0.033 F	0.045 F	0.047 F	0.048 F	0.050 F	0.045 F	0.085	2.5 I	0.052 F
TKN	1	0.2	0.1 F	0.077 F	0.40	0.34	0.13 F	0.11 F	0.095 F	0.098 F	**2.50**	0.15 F	0.19 F	0.46	0.18 F
sulfate	250	1	32.8	35	33	34	34	33	31	33	32	32	29	33	31
TDS	500	10	243	210	250	250	290	260	220	180	250	240	200	190	270
TOC	--	1	0.54 F	0.76 F	0.73 F	U	U	0.51 F	0.66 F	U	U	0.55 F	U	U	0.50 F

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	TMC-USGS-2												
Date of Collection			**9/16/2009**	**3/24/2010**	**9/15/2010**	**6/7/2011**	**6/20/2012**								
Sample ID No.			**TMCUM0227NA**	**TMCUM0227OA**	**TMCUM0227PA**	**TMCUM0227PA**	**TMCUM0227QA**								
Depth to Water (ft)			**5.06**	**4.12**	**5.79**	**3.67**	**4.54**								
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA								
1,1-dichloroethene	5*	1	U	U	U	NA	NA								
1,2-dichloroethane	0.6	1	U	U	U	NA	NA								
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA								
acetone	50	10	U	U	2.15 FB	NA	NA								
benzene	1	0.1	U	U	U	NA	NA								
carbon disulfide	1,000	0.5	U	U	U	NA	NA								
chloroform	7	0.3	U	U	U	NA	NA								
chloromethane	5*	1	U	U	U	NA	NA								
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA								
dichlorodifluoromethane	5*	1	U	U	U	NA	NA								
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA								
methylene chloride	5*	1	U	U	U	NA	NA								
m,p-xylene	5*	2	U	U	U	NA	NA								
trichloroethene (TCE)	5*	1	U	U	U	NA	NA								
toluene	5*	1	U	U	U	NA	NA								
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA								
trichlorofluoromethane	5*	1	U	U	U	NA	NA								
vinyl chloride	2	1	U	U	U	NA	NA								
xylenes, Total	--	1.5	U	U	U	NA	NA								
Total VOCs (µg/L)			**0**	**0**	**2.15**	NA	NA								
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	150	160	200	140	130								
ammonia	2	0.2	0.063	U	0.082	0.14	0.096 JB								
BOD5	--	2.4	U	U	U	U	U								
bromide	2	0.5	0.036 F	U	U	U	U								
COD	--	5	34	14	47	U	U								
chloride	250	1	24	25	29	28	28								
color	15	5	NA	U	NA	5	U								
cyanide, Total	200	0.02	NA	NA	U	NA	U								
hardness, Total	--	1	210	190	340	190	170								
nitrate	10	1	0.1	0.092 F	U	0.11 F	0.37 J								
TKN	1	0.2	U	0.20 B	0.61 B	0.46 F	0.65 JB								
sulfate	250	1	31	32	32	31	27								
TDS	500	10	260	230	260	250	210								
TOC	--	1	0.52 F	U	1.9 B	1.1	0.70 J								

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6LH-1												
Date of Collection			12/20/2006	4/18/2007	6/21/2007	10/1/2007	12/11/2007	4/8/2008	6/18/2008	10/1/2008	12/10/2008	4/16/2009	6/30/2009	9/17/2009	3/24/2010
Sample ID No.			LF6LH0101CA	LF6LH0101DA	LF6LH0101EA	LF6LH0101FA	LF6LH0101GA	LF6LH0101HA	LF6LH0101IA	LF6LH0101JA	LF6LH0101KA	LF6LH0101LA	LF6LH0101MA	LF6LH0101NA	LF6LH0101OA
Depth to Water (ft)			Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	UJ	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	2.34 F	U	U	U	U	U	U	U	1.45 F	1.08 F	2.63 F	1.81 F
benzene	1	0.1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	UJ	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	UJ	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	UJ	UJ	UJ	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	UJ	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	0.210 F	UJ	U	U	0.120 F	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	UJ	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	0.230 F	0.310 F	U
trans-1,2-dichloroethene	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	UJ	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**0.21**	**2.34**	**0.21**	**0**	**0.120**	**0**	**0**	**0**	**0**	**1.45**	**1.31**	**2.94**	**1.81**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	180	130	180	180	190	150	180	190	190 B	150	190	200	160
ammonia	2	0.2	U	0.051	0.041 F	0.034 F	0.042 F	0.016 F	0.10 B	0.063 B	0.031 F	0.10 B	0.07	0.065	U
BOD5	--	2.4	3.1	2.1	U	U	U	2.2	2.4	U	U	2.6	U	2.4	U
bromide	2	0.5	U	U	U	U	0.27	U	0.33	0.19 F	UJ	0.013 F	0.021 F	0.022 F	U
COD	--	5	20	15 B	20 B	13	28 B	20	120	13	17 B	53	14	23	8.1 F
chloride	250	1	2.2	2.2	2.7	2.6	60	1.8	74	59	58	3.5	7.3	6.4	6.5
color	15	5	NA	NA	10	NA	NA	10	U	NA	NA	10	NA	NA	U
cyanide, Total	200	0.02	NA	NA	U	NA	NA	U	U	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	200	140	210	210	290	160	480	270	250	170	220	240	180
nitrate	10	1	U	**16**	U	U	U	0.016 F	0.016 F	U	U	U	0.014 F	0.029 F	0.016 F
TKN	1	0.2	0.085 F	0.14 F	0.11 F	0.25 B	0.39	0.46	**2.2**	0.38	0.20	0.93	0.28	0.36	0.32 B
sulfate	250	1	23	U	19	20	36	16	34	38	37	20	8.3	14	24
TDS	500	10	200	160	240	220	340	140	390	330	360	210	250	250	230
TOC	--	1	2.1	1.8	3.1	2.6	1.4 F	1.9 B	U	1.7	1.2 B	1.9	2.6	3.5	2.4 B

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6LH-1													
Date of Collection			**9/16/2010**	**6/8/2011**	**6/21/2012**											
Sample ID No.			**LF6LH0101PA**	**LF6LH0101PA**	**LF6LH0101QA**											
Depth to Water (ft)			**Leachate**	**Leachate**	**Leachate**											
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	U	NA	NA											
1,1-dichloroethene	5*	1	U	NA	NA											
1,2-dichloroethane	0.6	1	U	NA	NA											
1,4-dichlorobenzene	3	0.5	U	NA	NA											
acetone	50	10	3.09 FB	NA	NA											
benzene	1	0.1	U	NA	NA											
carbon disulfide	1,000	0.5	U	NA	NA											
chloroform	7	0.3	U	NA	NA											
chloromethane	5*	1	U	NA	NA											
cis-1,2-dichloroethene	5*	1	U	NA	NA											
dichlorodifluoromethane	5*	1	U	NA	NA											
hexachlorobutadiene	0.5*	0.6	U	NA	NA											
methylene chloride	5*	1	U	NA	NA											
m,p-xylene	5*	2	U	NA	NA											
trichloroethene (TCE)	5*	1	U	NA	NA											
toluene	5*	1	1.08	NA	NA											
trans-1,2-dichloroethene	5*	1	U	NA	NA											
trichlorofluoromethane	5*	1	U	NA	NA											
vinyl chloride	2	1	U	NA	NA											
xylenes, Total	--	1.5	U	NA	NA											
Total VOCs (µg/L)			**4.17**	NA	NA											
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	190	200	240											
ammonia	2	0.2	0.6	0.31	0.16 B											
BOD5	--	2.4	9.7 J	U	3.0											
bromide	2	0.5	U	U	U											
COD	--	5	130	9.3 F	41											
chloride	250	1	6.0	2.5 F	12											
color	15	5	NA	**40**	U											
cyanide, Total	200	0.02	U	U	U											
hardness, Total	--	1	220	200	230											
nitrate	10	1	U	U	U											
TKN	1	0.2	**3.2**	0.87 F	0.80 JB											
sulfate	250	1	10	5.4	2.1											
TDS	500	10	190	210	270											
TOC	--	1	11	3.7	8.1											

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6LH-2												
Date of Collection			12/20/2006	4/18/2007	6/21/2007	10/1/2007	12/12/2007	4/8/2008	6/18/2008	10/1/2008	12/10/2008	4/16/2009	7/1/2009	9/17/2009	3/25/2010
Sample ID No.			LF6LH0201CA	LF6LH0201DA	LF6LH0201EA	LF6LH0201FA	LF6LH0201GA	LF6LH0201HA	LF6LH0201IA	LF6LH0201JA	LF6LH0201KA	LF6LH0201LA	LF6LH0201MA	LF6LH0201NA	LF6LH0201OA
Depth to Water (ft)			Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	UJ	U	U	U	U	U	U	0.130 F	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	UJ	U	U	U	0.180 F	U	U	U	U	U	U	U
acetone	50	10	U	UJ	U	U	U	U	U	U	1.85 F	U	U	U	U
benzene	1	0.1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	UJ	U	U	0.100 F	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	UJ	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	UJ	UJ	UJ	U	U	U	U	U	0.640 F	U	U	0.540 F	U
cis-1,2-dichloroethene	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	UJ	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	0.150 F	UJ	0.120 F	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	UJ	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	1.33	0.400	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	UJ	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			**0.15**	**0**	**0.12**	**0**	**0.100**	**0.180**	**1.330**	**0.400**	**2.85**	**0**	**0**	**0.54**	**0**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	190	180	180	180	160	190	190	170	140 B	180	170	170	160
ammonia	2	0.2	U	0.031 F	0.046 F	0.043 F	0.013 F	0.046 F	0.31	0.17	0.054	0.084 B	0.082	0.074	0.046 F
BOD5	--	2.4	U	U	U	U	4.1	U	9.6	3.8	13	U	U	U	U
bromide	2	0.5	0.080 F	0.19 F	0.17	0.32	U	0.13	0.029 F	0.023 F	UJ	0.31	0.22 F	0.31	0.24 F
COD	--	5	7.3 F	17 B	17 B	4.1 F	13 B	15	39	17	250	13	U	6.7 F	12
chloride	250	1	37	49	56	71	2.0	64	11	5.1	6.1	79	80	91	99
color	15	5	NA	NA	U	NA	NA	U	**45**	NA	NA	U	NA	NA	U
cyanide, Total	200	0.02	NA	NA	U	NA	NA	U	U	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	220	220	230	250	200	280	250	220	210	250	250	260	270
nitrate	10	1	U	U	U	U	0.018 F	0.033 F	0.034 F	U	U	U	U	0.029 F	U
TKN	1	0.2	U	U	U	0.12 F	0.088 F	0.26	**1.8**	0.70	**4.6**	0.20	0.26	U	0.35 B
sulfate	250	1	37	36	39	36	24	36	15	17	21	39	38	38	37
TDS	500	10	270	320	360	390	200	330	250	210	190	400	420	380	380
TOC	--	1	0.56 F	U	U	0.71 F	2.7	0.49 F	4.6	5.7	5.9 B	U	U	0.46 F	1.3 B

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6LH-2													
Date of Collection			**9/16/2010**	**6/8/2011**	**6/21/2012**											
Sample ID No.			**LF6LH0201PA**	**LF6LH0201PA**	**LF6LH0201QA**											
Depth to Water (ft)			**Leachate**	**Leachate**	**Leachate**											
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	U	NA	NA											
1,1-dichloroethene	5*	1	U	NA	NA											
1,2-dichloroethane	0.6	1	U	NA	NA											
1,4-dichlorobenzene	3	0.5	U	NA	NA											
acetone	50	10	1.99 FB	NA	NA											
benzene	1	0.1	U	NA	NA											
carbon disulfide	1,000	0.5	U	NA	NA											
chloroform	7	0.3	U	NA	NA											
chloromethane	5*	1	U	NA	NA											
cis-1,2-dichloroethene	5*	1	U	NA	NA											
dichlorodifluoromethane	5*	1	U	NA	NA											
hexachlorobutadiene	0.5*	0.6	U	NA	NA											
methylene chloride	5*	1	U	NA	NA											
m,p-xylene	5*	2	U	NA	NA											
trichloroethene (TCE)	5*	1	U	NA	NA											
toluene	5*	1	U	NA	NA											
trans-1,2-dichloroethene	5*	1	U	NA	NA											
trichlorofluoromethane	5*	1	U	NA	NA											
vinyl chloride	2	1	U	NA	NA											
xylenes, Total	--	1.5	U	NA	NA											
Total VOCs (µg/L)			**1.99**	NA	NA											
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	160	160	120											
ammonia	2	0.2	0.051	0.097 F	0.022 JB											
BOD5	--	2.4	U	4.1	U											
bromide	2	0.5	U	0.19 F	U											
COD	--	5	9.0 F	U	12											
chloride	250	1	120	100	6.7											
color	15	5	NA	5	U											
cyanide, Total	200	0.02	U	U	U											
hardness, Total	--	1	300	240	160											
nitrate	10	1	U	U	0.079 J											
TKN	1	0.2	0.32 B	0.45 F	0.81 JB											
sulfate	250	1	39	37	30											
TDS	500	10	360	360	190											
TOC	--	1	1.0	0.77 F	2.3											

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6SW-1												
Date of Collection			7/6/2006	9/19/2006	12/14/2006	4/17/2007	6/25/2007	10/1/2007	12/11/2007	4/3/2008	6/18/2008	10/1/2008	12/10/2008	4/16/2009	6/30/2009
Sample ID No.			LF6SW0101AA	LF6SW0101BB	LF6SW0101CA	LF6SW0101DA	LF6SW0101EA	LF6SW0101FA	LF6SW0101GA	LF6SW0101HA	LF6SW01011A	LF6SW0101JA	LF6SW0101KA	LF6SW0101LA	LF6SW0101MA
Depth to Water (ft)			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
VOCs (ug/L)															
1,2-dichlorobenzene	3	1	U	0.22 F	0.110 F	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	0.21 F	U	0.120 F	U	U	0.220 F	0.190 F	U	U	U	U	U
acetone	50	10	2.2 F	2.21	1.45 F	U	1.6 F	U	1.51 F	U	U	U	2.47	2.38 F	1.81 F
benzene	1	0.1	U	U	U	U	U	U	0.350 F	U	U	U	U	0.110 F	U
carbon disulfide	--	0.5	U	U	U	U	U	U	0.170 F	U	U	U	U	U	U
chlorobenzene	5	0.5	0.37 F	0.92	0.560	0.430 F	0.160 F	0.210 F	1.11	0.370 F	U	0.350 F	0.160	0.380 F	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	0.130 F	U
chloromethane	--	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5**	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
methylene chloride	5	1	U	U	0.210 F	U	U	U	0.120 F	U	U	U	U	U	U
tetrachloroethene	0.7	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5	1	U	0.13 F	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	0.3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	276	370	230	190	230	250	240	180	130	210	96 B	190	220
ammonia	2	0.2	U	0.049 F	0.053	0.033 F	0.063	0.041 F	0.13	0.022 F	0.19	0.2	0.059	0.046 F	0.033 F
BOD5	--	2.4	U	2.2	U	U	U	U	U	U	U	U	2.4	U	U
bromide	2	0.5	0.31 F	0.14 F	0.11	0.12	0.28	0.28	0.23	0.13 F	0.2	0.26	UJ	0.19 F	0.18 F
COD	--	5	U	50	20 B	26 B	15 B	8.5 F	15 B	15	15	17	33	120	11
chloride	250	1	184	180	130	140	180	170	190	140	74	130	140	150	160
color	15	5	**18 B**	NA	NA	NA	15	NA	NA	**45**	**20**	NA	NA	10	NA
hardness, Total	--	1	370	340	300	250	340	350	330	260	200	300	150	260	320
nitrate	10	1	0.48 F	0.42 F	0.69	1.1	0.1	0.042 F	0.72	0.82	0.24	0.29	0.49	0.39 F	0.17 F
TKN	1	0.2	0.087 F	0.19 F	0.22 F	0.27	0.17 F	0.30 B	0.32	0.32	0.38	0.42	0.61	0.22	0.20
sulfate	250	1	52.8	49	47	37	47	45	45	39	23	37	18	39	40
TDS	500	10	**695**	**640**	**570**	480	**610**	**640**	**640**	480	340	490	410	490	**590**
TOC	--	1	2.7	3.3	3.2	4.9	2.8	2.9	3.1	4.6	3.5	3.8	4.8 B	2.1	2.3

For notes, please refer to the end of the tables section.

Table 6-2

Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6SW-1												
Date of Collection			**9/17/2009**	**3/24/2010**	**9/16/2010**	**6/8/2011**	**6/21/2012**								
Sample ID No.			**LF6SW0101NA**	**LF6SW0101OA**	**LF6SW0101PA**	**LF6SW0101QA**	**LF6SW0101QA**								
Depth to Water (ft)			**Surface Water**	**Surface Water**	**Surface Water**	**Surface Water**	**Surface Water**								
VOCs (µg/L)															
1,2-dichlorobenzene	3	1	U	U	U	U	U								
1,4-dichlorobenzene	3	0.5	U	U	U	U	U								
acetone	50	10	3.1 F	2.17 F	1.97 FB	U	U								
benzene	1	0.1	U	0.160 F	U	U	U								
carbon disulfide	--	0.5	U	U	U	U	U								
chlorobenzene	5	0.5	U	0.400 F	U	U	U								
chloroform	7	0.3	U	U	U	U	U								
chloromethane	--	1	U	U	U	U	U								
cis-1,2-dichloroethene	5	1	U	U	U	U	U								
dichlorodifluoromethane	5**	1	U	U	U	U	U								
methylene chloride	5	1	U	U	U	U	U								
tetrachloroethene	0.7	1	U	U	U	U	U								
trichloroethene (TCE)	5	1	U	U	U	U	U								
trans-1,2-Dichloroethene	5	1	U	U	U	U	U								
vinyl chloride	0.3	1	U	U	U	U	U								
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	250	190	250	200	250								
ammonia	2	0.2	0.032 F	U	0.026 F	0.16	0.070 JB								
BOD5	--	2.4	U	U	U	U	3.1 J								
bromide	2	0.5	0.25 F	0.17 F	U	0.16 F	0.27 J								
COD	--	5	9.0 F	17	7.9 F	5.6 F	7.0 J								
chloride	250	1	180	120	180	150	190								
color	15	5	NA	**30**	NA	U	U								
hardness, Total	--	1	350	250	340	260	300								
nitrate	10	1	0.16 F	0.87	U	0.49 F	0.23 J								
TKN	1	0.2	0.11 F	0.67 B	0.30 B	0.51 F	0.86 JB								
sulfate	250	1	43	35	40	35	40								
TDS	500	10	**620**	440	**550**	**510**	**590**								
TOC	--	1	2	6.4	2.5	2.3	2.0								

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6SW-2												
Date of Collection			7/6/2006	9/19/2006	12/14/2006	4/17/2007	6/21/2007	10/1/2007	12/11/2007	4/3/2008	6/18/2008	10/1/2008	12/10/2009	4/16/2009	7/1/2009
Sample ID No.			LF6SW0201AA	LF6SW0201BB	LF6SW0201CA	LF6SW0201DA	LF6SW0201EA	LF6SW0201FA	LF6SW0201GA	LF6SW0201HA	LF6SW02011A	LF6SW0201JA	LF6SW0201KA	LF6SW0201LA	LF6SW0201MA
Depth to Water (ft)			Surface Water	Surface Water	SurfaceWater	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
VOCs (ug/L)															
1,2-dichlorobenzene	3	1	U	0.25 F	0.110 F	U	U	U	0.110 F	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	0.22 F	U	0.110 F	U	U	0.110 F	U	U	U	U	U	U
acetone	50	10	1.5 F	1.42 F	1.18 F	1.12 F	U	1.26 F	1.55 F	U	3.20	U	1.73 F	2.64 F	U
benzene	1	0.1	U	0.12 F	U	U	U	U	0.210 F	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	0.170 F	U	U	U	U	U	U
chlorobenzene	5	0.5	0.23 F	1.15	0.480 F	0.340 F	0.130 F	0.130 F	0.720	0.300 F	0.200 F	0.260 F	U	0.280 F	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	0.110 F	U
chloromethane	--	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5**	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
methylene chloride	5	1	U	U	0.200 F	U	U	U	0.130 F	U	U	U	U	U	U
tetrachloroethene	0.7	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5	1	U	U	U	0.110 F	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	0.3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	279	250	230	170	230	250	230	190	130	210	130 B	180	220
ammonia	2	0.2	U	0.041 F	0.050	0.024 F	0.13	0.028 F	0.14	0.017 F	0.21	0.23	0.036 F	0.15	0.048 F
BOD5	--	2.4	U	U	U	U	U	U	U	3.0	U	U	2.3	14	U
bromide	2	0.5	0.31 F	0.14 F	0.11	0.12 F	0.21	0.24	0.23	0.13 F	0.2	0.25	UJ	0.17 F	0.19 F
COD	--	5	U	16	16 B	28 B	20 B	8.5 F	11 B	17	17	13	26 B	15	18
chloride	250	1	144	180	130	130	140	150	190	140	72	130	91	140	160
color	15	5	**18 B**	NA	NA	NA	**25**	NA	NA	**30**	**20**	NA	NA	**20**	NA
hardness, Total	--	1	370	350	300	240	330	350	350	270	190	290	180	260	300
nitrate	10	1	0.44 F	0.3 F	0.67	0.80	0.11	0.031 F	0.67	0.77	0.23	0.29	0.32	0.20 F	0.13 F
TKN	1	0.2	U	0.12 F	0.26 F	0.25	0.25 B	0.21 B	0.31	0.40	0.26	0.42	0.58	**2.8**	0.37
sulfate	250	1	52	53	46	36	47	44	45	39	23	37	22	38	41
TDS	500	10	**636**	**4,600**	**550**	460	**580**	**600**	**630**	470	310	460	370	390	**600**
TOC	--	1	3	2.7	3.4	4.7	4.2	3.3	2.9	3.8	3.4	3.9	6.3 B	3.6	2.2

For notes, please refer to the end of the tables section.

Table 6-2

Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6SW-2												
Date of Collection			9/17/2009	3/25/2010	9/16/2010	6/8/2011	6/21/2012								
Sample ID No.			LF6SW0201NA	LF6SW0201OA	LF6SW0201PA	LF6SW0101PA	LF6SW0101QA								
Depth to Water (ft)			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water								
VOCs (µg/L)															
1,2-dichlorobenzene	3	1	U	U	U	U	U								
1,4-dichlorobenzene	3	0.5	U	U	U	U	U								
acetone	50	10	1.54 F	3.67 F	1.22 FB	4.4 F	U								
benzene	1	0.1	U	0.180 F	U	U	U								
carbon disulfide	--	0.5	U	U	U	U	U								
chlorobenzene	5	0.5	U	0.420 F	U	U	U								
chloroform	7	0.3	U	U	U	U	U								
chloromethane	--	1	U	U	U	U	U								
cis-1,2-dichloroethene	5	1	U	U	U	U	U								
dichlorodifluoromethane	5**	1	U	U	U	U	U								
methylene chloride	5	1	U	U	U	U	U								
tetrachloroethene	0.7	1	U	U	U	U	U								
trichloroethene (TCE)	5	1	U	U	U	U	U								
trans-1,2-Dichloroethene	5	1	U	U	U	U	U								
vinyl chloride	0.3	1	U	U	U	U	U								
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	250	210	250	200	250								
ammonia	2	0.2	0.025 F	U	U	0.17	0.075 JB								
BOD5	--	2.4	U	U	U	U	U								
bromide	2	0.5	0.25 F	0.19 F	U	0.16 F	0.27 J								
COD	--	5	9.0 F	13	U	U	6.3 J								
chloride	250	1	170	140	170	150	180								
color	15	5	NA	**20**	NA	U	U								
hardness, Total	--	1	360	270	330	260	310								
nitrate	10	1	0.15 F	0.8	U	0.52	0.19 J								
TKN	1	0.2	U	0.43 B	0.25 B	0.47 F	0.80 JB								
sulfate	250	1	43	37	40	35	39								
TDS	500	10	**620**	480	**510**	490	**560**								
TOC	--	1	2.2	5.2	2.3	2.1	2.2								

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6SW-3												
Date of Collection			7/6/2006	9/19/2006	12/14/2006	4/18/2007	6/21/2007	10/1/2007	12/11/2007	4/7/2008	6/18/2008	10/1/2008	12/10/2008	4/16/2009	6/30/2009
Sample ID No.			LF6SW0301AA	LF6SW0301BB	LF6SW0301CA	LF6SW0301DA	LF6SW0301EA	LF6SW0301FA	LF6SW0301GA	LF6SW0301HA	LF6SW03011A	LF6SW0301JA	LF6SW0301KA	LF6SW0301LA	LF6SW0301MA
Depth to Water (ft)			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
VOCs (µg/L)															
1,2-dichlorobenzene	3	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	0.1 F	U	UJ	0.130 F	U	U	U	U	U	U	U	U
acetone	50	10	1.2 F	1.4 F	U	UJ	U	U	U	U	2.94 F	U	2.49 F	2.01 F	2.16 F
benzene	1	0.1	U	U	U	UJ	U	U	0.140 F	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	0.140 F	U	U	U	U	U	U
chlorobenzene	5	0.5	U	0.13 F	0.310 F	0.370 F	U	U	0.470 F	U	U	U	0.140 F	0.220 F	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	--	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5**	1	U	U	UJ	UJ	U	U	U	U	U	U	U	U	U
methylene chloride	5	1	U	U	U	0.130 F	U	U	0.140 F	U	U	U	U	U	U
tetrachloroethene	0.7	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	0.3	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	267	220	220	180	220	240	230	180	140	190	100 B	190	230
ammonia	2	0.2	U	0.067 B	0.029 F	0.021 F	0.17	0.031 F	0.091	0.022 F	0.17	0.15	0.057	0.041 F	0.028 F
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	2.3	2.6	U
bromide	2	0.5	0.31 F	0.2 F	0.11	0.14 F	0.23	0.26	0.23	0.16	0.21 F	0.25	UJ	0.18 F	0.21 F
COD	--	5	26.7 B	11	22 B	21 B	17 B	8.5 F	11 B	11	13	10	26 B	87	14
chloride	250	1	154	160	120	140	140	150	170	130	70	120	120	140	150
color	15	5	13 B	NA	NA	NA	**20**	NA	NA	**20**	**20**	NA	NA	10	NA
hardness, Total	--	1	340	380	290	250	310	330	290	240	180	300	140	270	290
nitrate	10	1	0.38 F	0.15 F	0.60	0.77	0.12 F	0.041 F	0.59	0.45	0.23 F	0.25	0.48	0.37 F	0.13 F
TKN	1	0.2	U	0.22 F	0.21 F	0.20	0.31 B	0.17 F	0.19 F	0.19 F	0.34	0.35	0.5	0.24	0.19 F
sulfate	250	1	50.1	47	44	37	46	42	43	36	23	37	17	37	39
TDS	500	10	**620**	**570**	**520**	**500**	**550**	**630**	**590**	460	320	390	370	470	**590**
TOC	--	1	2.6	2.8	3.7	4.0	3.6	3.6	2.9	2.7	3.1	3.4	4.7 B	2.1	2.0

For notes, please refer to the end of the tables section.

Table 6-2

Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6SW-3												
Date of Collection			9/17/2009	3/24/2010	9/16/2010	6/6/2011	6/202012								
Sample ID No.			LF6SW0301NA	LF6SW0301OA	LF6SW0301PA	LF6SW0301PA	LF6SW0301QA								
Depth to Water (ft)			Surface Water	Surface Water	Surface Water	SurfaceWater	SurfaceWater								
VOCs (ug/L)															
1,2-dichlorobenzene	3	1	U	U	U	U	U								
1,4-dichlorobenzene	3	0.5	U	U	U	U	U								
acetone	50	10	2.49 F	2.60 F	1.34 FB	3.1 F	U								
benzene	1	0.1	U	0.110 F	U	U	U								
carbon disulfide	--	0.5	U	U	U	U	U								
chlorobenzene	5	0.5	U	0.300 F	U	U	U								
chloroform	7	0.3	U	U	U	U	U								
chloromethane	--	1	U	U	U	U	U								
cis-1,2-dichloroethene	5	1	U	U	U	U	U								
dichlorodifluoromethane	5**	1	U	U	U	U	U								
methylene chloride	5	1	U	U	U	U	U								
tetrachloroethene	0.7	1	U	U	U	U	U								
trichloroethene (TCE)	5	1	U	U	U	U	U								
trans-1,2-Dichloroethene	5	1	U	U	U	U	U								
vinyl chloride	0.3	1	U	U	U	U	U								
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	240	190	240	200	230								
ammonia	2	0.2	0.059	U	U	0.24	0.28 B								
BOD5	--	2.4	U	U	U	U	1.6 J								
bromide	2	0.5	0.23 F	0.18 F	U	0.17 F	0.26 J								
COD	--	5	11	19	7.9 F	4.6 F	10 J								
chloride	250	1	160	110	170	150	170								
color	15	5	NA	**30**	NA	U	15								
hardness, Total	--	1	350	240	330	250	300								
nitrate	10	1	0.13 F	0.87	U	0.43 F	0.19 J								
TKN	1	0.2	0.14 F	0.61 B	0.24 B	0.53 F	0.78 JB								
sulfate	250	1	41	32	40	35	39								
TDS	500	10	**590**	430	**530**	490	**520**								
TOC	--	1	1.9	6.2	2.4	2.2	2.3								

For notes, please refer to the end of the tables section.

Table 6-2

Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6W-1												
Date of Collection			7/6/2006	9/19/2006	12/14/2006	4/17/2007	6/21/2007	10/1/2007	12/11/2007	4/8/2008	6/18/2008	10/1/2008	12/10/2008	4/16/2009	7/1/2009
Sample ID No.			NS	NS	LF6WT0101CA	LF6WT0101DA	LF6WT0101EA	LF6WT0101FA	LF6WT0101GA	LF6WT0101HA	LF6WT0101IA	LF6WT0101JA	LF6WT0101KA	LF6WT0101LA	LF6WT0101MA
Depth to Water (ft)			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
VOCs (µg/L)															
1,2-dichlorobenzene	3	1	NS	NS	U	U	NS	NS	NS	U	NS	NS	U	U	U
1,4-dichlorobenzene	3	0.5	NS	NS	U	U	NS	NS	NS	0.190 F	NS	NS	U	U	U
acetone	50	10	NS	NS	2.17 F	U	NS	NS	NS	U	NS	NS	U	1.70 F	1.87 F
benzene	1	0.1	NS	NS	U	U	NS	NS	NS	U	NS	NS	U	U	U
carbon disulfide	--	0.5	NS	NS	U	U	NS	NS	NS	U	NS	NS	U	U	U
chlorobenzene	5	0.5	NS	NS	U	U	NS	NS	NS	U	NS	NS	U	U	U
chloroform	7	0.3	NS	NS	U	U	NS	NS	NS	U	NS	NS	U	U	U
chloromethane	--	1	NS	NS	U	U	NS	NS	NS	U	NS	NS	U	U	U
cis-1,2-dichloroethene	5	1	NS	NS	2.13	2.67 J	NS	NS	NS	U	NS	NS	U	**11.7**	**27.4**
dichlorodifluoromethane	5**	1	NS	NS	UJ	U	NS	NS	NS	U	NS	NS	U	U	U
methylene chloride	5	1	NS	NS	0.300 F	U	NS	NS	NS	U	NS	NS	U	U	U
tetrachloroethene	0.7	1	NS	NS	U	U	NS	NS	NS	U	NS	NS	0.110 F	0.660 F	0.420 F
trichloroethene (TCE)	5	1	NS	NS	0.140 F	0.460 F	NS	NS	NS	U	NS	NS	U	**11.0**	**12.9**
trans-1,2-Dichloroethene	5	1	NS	NS	U	U	NS	NS	NS	U	NS	NS	U	0.220 F	0.350 F
vinyl chloride	0.3	1	NS	NS	**0.690 F**	U	NS	NS	NS	U	NS	NS	U	**3.36**	**3.36**
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	NS	NS	260	170	NS	NS	NS	180	NS	NS	190 B	390	480
ammonia	2	0.2	NS	NS	U	U	NS	NS	NS	0.021 F	NS	NS	U	0.72	1.2
BOD5	--	2.4	NS	NS	U	U	NS	NS	NS	U	NS	NS	U	U	3.5
bromide	2	0.5	NS	NS	U	0.044 F	NS	NS	NS	0.035 F	NS	NS	UJ	0.093 F	0.1
COD	--	5	NS	NS	22 B	19 B	NS	NS	NS	81	NS	NS	35	8.2 F	U
chloride	250	1	NS	NS	1.8	11	NS	NS	NS	8.5	NS	NS	6.8	2.1	2.2
color	15	5	NS	NS	NA	NA	NS	NS	NS	**20**	NS	NS	NA	U	NA
hardness, Total	--	1	NS	NS	280	180	NS	NS	NS	200	NS	NS	200	410	500
nitrate	10	1	NS	NS	0.022 F	0.41	NS	NS	NS	0.24 B	NS	NS	0.28 B	U	U
TKN	1	0.2	NS	NS	0.24 F	0.15 F	NS	NS	NS	**1.3**	NS	NS	0.51	**2.6**	1.8
sulfate	250	1	NS	NS	28	12	NS	NS	NS	20	NS	NS	7.2	39	46 J
TDS	500	10	NS	NS	340	220	NS	NS	NS	180	NS	NS	180	470	**600**
TOC	--	1	NS	NS	5.9	4.7	NS	NS	NS	6.0	NS	NS	5.6 B	7.7	7.2

For notes, please refer to the end of the tables section.

Table 6-2

Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6W-1												
Date of Collection			9/17/2009	3/24/2010	9/15/2010	6/6/2011	6/21/2012								
Sample ID No.			LF6WT0101NA	LF6WT0101OA											
Depth to Water (ft)			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water								
VOCs (µg/L)															
1,2-dichlorobenzene	3	1	NS	U	NS	NS	NS								
1,4-dichlorobenzene	3	0.5	NS	U	NS	NS	NS								
acetone	50	10	NS	2.29 F	NS	NS	NS								
benzene	1	0.1	NS	U	NS	NS	NS								
carbon disulfide	--	0.5	NS	U	NS	NS	NS								
chlorobenzene	5	0.5	NS	U	NS	NS	NS								
chloroform	7	0.3	NS	U	NS	NS	NS								
chloromethane	--	1	NS	U	NS	NS	NS								
cis-1,2-dichloroethene	5	1	NS	U	NS	NS	NS								
dichlorodifluoromethane	5**	1	NS	U	NS	NS	NS								
methylene chloride	5	1	NS	U	NS	NS	NS								
tetrachloroethene	0.7	1	NS	U	NS	NS	NS								
trichloroethene (TCE)	5	1	NS	U	NS	NS	NS								
trans-1,2-Dichloroethene	5	1	NS	U	NS	NS	NS								
vinyl chloride	0.3	1	NS	U	NS	NS	NS								
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	NS	190	NS	NS	NS								
ammonia	2	0.2	NS	U	NS	NS	NS								
BOD5	--	2.4	NS	U	NS	NS	NS								
bromide	2	0.5	NS	U	NS	NS	NS								
COD	--	5	NS	6.7 F	NS	NS	NS								
chloride	250	1	NS	1.8	NS	NS	NS								
color	15	5	NS	U	NS	NS	NS								
hardness, Total	--	1	NS	230	NS	NS	NS								
nitrate	10	1	NS	**12**	NS	NS	NS								
TKN	1	0.2	NS	0.77	NS	NS	NS								
sulfate	250	1	NS	4.2	NS	NS	NS								
TDS	500	10	NS	200	NS	NS	NS								
TOC	--	1	NS	4.1	NS	NS	NS								

For notes, please refer to the end of the tables section.

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Table 6-3
Landfill 6 MAROS Trend Results

Well ID	Well Type	Number of Samples	Number of Detects	Mann-Kendall Statistic	Mann -Kendall Trend/ % Confidence		Linear Regression Trend/ % Confidence	
Alkalinity [Carbonate (as C03)]								
775VMW-18R	Tail	18	18	77	I	99.9	I	100.0
775VMW-20R	Tail	18	18	-62	D	99	D	98.7
LF6MW-1	Tail	18	18	-9	S	61.7	S	71.6
LF6VMW-10R2	Tail	18	18	-21	S	77.3	NT	71.6
LF6VMW-17D	Tail	18	18	-88	D	100	D	100.0
LF6VMW-17S	Tail	3	3	0	N/A	0	N/A	0.0
LF6VMW-18	Tail	18	18	-55	D	98	PD	93.5
LF6VMW-19	Tail	18	18	78	I	99.9	I	98.8
LF6VMW-20	Tail	18	18	97	I	100	I	100.0
LF6VMW-21	Tail	18	18	55	I	98	I	97.9
LF6VMW-22	Tail	18	18	43	PI	94.4	PI	90.1
LF6VMW-23	Tail	18	18	59	I	98.7	NT	89.1
LF6VMW-24	Tail	18	18	-38	PD	91.8	D	99.2
LF6VMW-25	Tail	18	18	-64	D	99.2	NT	60.4
RV-LF6LH-1	Tail	16	16	56	I	99.4	I	98.9
RV-LF6LH-2	Tail	16	16	-64	D	99.8	D	99.9
TMCMW-9	Tail	18	18	-63	D	99.1	D	98.9
TMC-USGS-2	Tail	18	18	-27	S	83.5	S	87.8
WT-LF6WT-1	Tail	7	7	8	NT	84.5	NT	74.8
775VMW-10	Source	18	18	0	S	48.5	I	96.8
LF6MW-12	Source	18	18	-11	S	64.6	NT	67.5
LF6VMW-26	Source	18	18	-83	D	99.9	D	99.7
Hardness [bicarbonate]								
775VMW-18R	Tail	18	18	-78	D	99.9	D	99.9
775VMW-20R	Tail	18	18	48	I	96.3	I	100.0
LF6MW-1	Tail	18	18	-57	D	98.4	D	95.1
LF6VMW-10R2	Tail	18	18	43	PI	94.4	NT	71.2
LF6VMW-17D	Tail	18	18	-66	D	99.4	D	97.2
LF6VMW-17S	Tail	17	17	-2	S	51.6	S	57.1
LF6VMW-18	Tail	18	18	-41	PD	93.4	D	96.0
LF6VMW-19	Tail	18	18	70	I	99.7	I	99.0
LF6VMW-20	Tail	18	18	-121	D	100	D	100.0
LF6VMW-21	Tail	18	18	23	NT	79.5	NT	82.8
LF6VMW-22	Tail	18	18	40	PI	92.9	S	74.0
LF6VMW-23	Tail	18	18	1	NT	50	NT	65.7
LF6VMW-24	Tail	18	18	141	I	100	I	100.0
LF6VMW-25	Tail	18	18	8	NT	60.3	NT	83.6
RV-LF6LH-1	Tail	16	16	11	NT	67.1	NT	55.1
RV-LF6LH-2	Tail	16	16	25	NT	85.7	S	64.3
TMCMW-9	Tail	18	18	-67	D	99.5	D	99.9
TMC-USGS-2	Tail	18	18	-34	S	89.3	S	76.6
WT-LF6WT-1	Tail	7	7	8	NT	84.5	NT	79.7
775VMW-10	Source	18	18	-3	S	53	D	100
LF6MW-12	Source	18	18	40	PI	92.9	NT	79
LF6VMW-26	Source	18	18	68	I	99.6	I	99.7

Table 6-3
Landfill 6 MAROS Trend Results

Well ID	Well Type	Number of Samples	Number of Detects	Mann-Kendall Statistic	Mann -Kendall Trend/ % Confidence		Linear Regression Trend/ % Confidence	
Nitrate [nitrogen]								
775VMW-18R	Tail	18	18	17	NT	72.5	D	100
775VMW-20R	Tail	17	7	-3	NT	53.2	NT	51.7
LF6MW-1	Tail	18	18	23	NT	79.5	PI	91.2
LF6VMW-10R2	Tail	18	18	58	I	98.6	I	99.8
LF6VMW-17D	Tail	18	17	-13	S	67.3	S	78.9
LF6VMW-17S	Tail	18	18	100	I	100	I	100
LF6VMW-18	Tail	18	11	-84	D	100	D	100
LF6VMW-19	Tail	18	18	59	I	98.7	I	99.9
LF6VMW-20	Tail	18	18	9	NT	61.7	PI	91.3
LF6VMW-21	Tail	18	18	87	I	100	I	100
LF6VMW-22	Tail	18	18	70	I	99.7	I	99.6
LF6VMW-23	Tail	18	18	3	NT	53	NT	89.5
LF6VMW-24	Tail	17	1	-10	S	64.2	S	81.2
LF6VMW-25	Tail	18	12	22	NT	78.4	NT	67.5
RV-LF6LH-1	Tail	16	5	14	NT	71.8	NT	64
RV-LF6LH-2	Tail	16	5	13	NT	70.3	PI	90.9
TMCMW-9	Tail	18	16	22	NT	78.4	NT	70.4
TMC-USGS-2	Tail	18	16	62	I	99.0	PI	93.8
WT-LF6WT-1	Tail	7	5	0	NT	43.7	NT	71.2
775VMW-10	Source	18	18	-120	D	100	D	100
LF6MW-12	Source	17	3	-13	S	68.7	PI	90.3
LF6VMW-26	Source	17	4	36	PI	92.4	I	97.9
Total Organic Carbon								
775VMW-18R	Tail	18	18	18	NT	73.8	NT	82.8
775VMW-20R	Tail	17	13	-23	S	81.5	S	78.3
LF6MW-1	Tail	18	18	-43	PD	94.4	PD	91.3
LF6VMW-10R2	Tail	17	12	4	NT	54.8	NT	84.5
LF6VMW-17D	Tail	18	14	-50	D	96.9	PD	93.2
LF6VMW-17S	Tail	18	18	0	S	48.5	NT	71.9
LF6VMW-18	Tail	18	17	-22	S	78.4	S	82.2
LF6VMW-19	Tail	18	17	12	NT	66	NT	77.8
LF6VMW-20	Tail	18	13	-49	D	96.6	S	89.7
LF6VMW-21	Tail	17	8	-4	S	54.8	D	100
LF6VMW-22	Tail	18	17	13	NT	67.3	NT	753.2
LF6VMW-23	Tail	18	18	-7	S	58.9	NT	55.9
LF6VMW-24	Tail	16	11	-13	S	70.3	S	64
LF6VMW-25	Tail	18	18	-94	D	100	D	100
RV-LF6LH-1	Tail	16	15	44	I	97.4	I	97.8
RV-LF6LH-2	Tail	16	12	24	NT	84.7	NT	78.9
TMCMW-9	Tail	18	18	-25	S	81.6	S	85.6
TMC-USGS-2	Tail	18	11	10	NT	63.2	NT	84.5
WT-LF6WT-1	Tail	7	7	1	NT	50	NT	52.9
775VMW-10	Source	18	10	-13	S	67.3	S	56.7
LF6MW-12	Source	18	18	24	NT	80.6	PI	90.3
LF6VMW-26	Source	18	16	-21	S	77.3	S	70.3

Notes:
D = Decreasing
I = Increasing
N/A = Not applicable
NT = No trend
PD = Probably decreasing
PI = Probably increasing
S = Stable
* = One of the variables in the MAROS program is the value assigned to non-detects. This value was set at one half the detection limit, which causes a false positive for the COC's average concentration. Instead of 0 µg/L, the value of one half the detection limit was reported.

Table 6-4
Landfill 6 AOC LTM Network

Sampling Locations	Screen Interval Depth (ft MSL)	Sampling Rationale	Target Analytes/ Method Numbers[1]	Matrix	# of Samples	Sampling Frequency	Evaluation Criteria
Groundwater		----------	Landfill Leachate Indicators:	Water	23	Annually	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells.
LF6MW-1	460.8' – 450.8'	Upgradient well	Anions – SW9056				
TMC-USGS-2	428.6' – 426.1'	Downgradient from landfill	Nitrogen (TKN) – 351.2				
775VMW-18R	423.7' – 413.7'	Upgradient well	Ammonia – 350.2				
775VMW-20R	413.9' – 403.9'	Upgradient well	COD – 410.4				
LF6VMW-10R2	439.2' – 429.2'	Downgradient from landfill	BOD – 405.1				
LF6VMW-17S[2]	457.18' – 447.18'	Downgradient, vertical profile	TOC – SW9060				
LF6VMW-17D[2]	422.1' – 412.1'	Downgradient, vertical profile	TDS – 160.1				
LF6VMW-18[3]	411.88' – 421.88'	Downgradient, vertical profile	Alkalinity – 310.1				
LF6VMW-19[3]	438.95' – 428.95'	Downgradient, vertical profile	Phenols – SW9066				
LF6VMW-20[3]	398.26' – 388.26'	Downgradient, vertical profile	Hardness – 130.2				
LF6VMW-21[3]	434.93' – 424.93'	Upgradient well	Color – 110.2				
LF6VMW-22[3]	435.76' – 425.76'	Downgradient, vertical profile	Boron – SW6010B				
Leachate Locations							
LF6LH-1		Leachate locations					
LF6LH-2							

Table 6-4 (continued)
Landfill 6 AOC LTM Network

Sampling Locations	Screen Interval Depth (ft MSL)	Sampling Rationale	Target Analytes/ Method Numbers[1]	Matrix	# of Samples	Sampling Frequency	Evaluation Criteria
Groundwater 775VMW-10 LF6MW-12 LF6VMW-23[2] LF6VMW-24[2] LF6VMW-25[2] LF6VMW-26[3] TMCMW-9 **Surface Water (TMC)** LF6/TMCSW-1 LF6/TMCSW-2 LF6/TMCSW-3 **Wetlands** LF6W-1	427.1' – 412.1' 416.59' – 406.59' 424.57' – 414.57' 419.25' – 409.25' 416.6' – 406.6' 412.9' – 402.9' 439.16' – 429.16'	Upgradient well Downgradient from landfill Downgradient, vertical profile Downgradient, vertical profile Downgradient, vertical profile Downgradient from landfill Downgradient from landfill ---------- Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	VOCs – SW8260 Landfill Leachate Indicators: Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.2 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.1 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Water	23	Annually	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells. Surface water analytes and frequency will be varied to follow groundwater program.
Gas Sampling Gas monitoring probes/vents		In accordance with 6 NYCRR 360-2.17(f)	Methane (FID/CGI)	Gas	13 probes 16 vents	Semiannual	

1 Baseline parameters based on 6 NYCRR Part 360, Subpart 2, Appendix A.

Table 6-5
Landfill 6 AOC Historical LTM Network Optimization

Sampling Locations	Sampling Rationale	Target Analytes/ Method Numbers[1]	Sampling Frequency	Evaluation Criteria/ Modification Justification
Recommended LTM Network Changes				
Analysis/Frequency Changes				
March 2011				
Groundwater LF6MW-1 TMC-USGS-2 775VMW-18R 775VMW-20R LF6VMW-10R2 LF6VMW-17S LF6VMW-17D LF6VMW-18 LF6VMW-19 LF6VMW-20 LF6VMW-21 LF6VMW-22 **Leachate/Wetlands** LF6W-1 LF6W-2 LF6W-3 LF6LH-1 LF6LH-2	---------- Upgradient well Downgradient from landfill Upgradient well Upgradient well Downgradient from landfill Downgradient, vertical profile Downgradient, vertical profile Downgradient, vertical profile Downgradient, vertical profile Downgradient, vertical profile Upgradient well Downgradient, vertical profile ---------- Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor Leachate Sampling Location Leachate Sampling Location	Metals – SW6010B (except Hg) Mercury[2] – SW7470A Cyanide[2] – SW9010B Landfill Leachate Indicators: Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.2 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.1 Phenols – SW9066 Hardness – 130.2 Color[2] – 110.2 Boron[2] – SW6010B	Annually (Baseline)	Reduce sampling frequency as COCs have stabilized site-wide. Remove VOC analysis as VOCs have not been detected at these sampling locations for several sampling rounds.

Table 6-5 (continued)
Landfill 6 AOC Historical LTM Network Optimization

Recommended LTM Network Changes				
Analysis/Frequency Changes				
March 2011				
Groundwater TMCMW-9 775VMW-10 LF6MW-12 LF6VMW-22 LF6VMW-23 LF6VMW-24 LF6VMW-25 LF6VMW-26 **Surface Water (Three Mile Creek)** LF6/TMCSW-1 LF6/TMCSW-2 LF6/TMCSW-3	---------- Downgradient from landfill Upgradient well Downgradient from landfill Downgradient, vertical profile Downgradient, vertical profile Downgradient, vertical profile Downgradient, vertical profile Downgradient from landfill ---------- Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	VOCs – SW8260 Metals – SW6010B (except Hg) Mercury[2] – SW7470A Cyanide[2] – SW9010B Landfill Leachate Indicators: Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.2 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.1 Phenols – SW9066 Hardness – 130.2 Color[2] – 110.2 Boron[2] – SW6010B	Annually (Baseline)	Reduce sampling frequency as COCs have stabilized site-wide.
Analysis/Frequency Changes				
January 2011				
Gas Sampling 16 gas monitoring probes and 16 gas vents	In accordance with 6 NYCRR 360-2.17 (f)	Methane LEL Oxygen Carbon dioxide Barometric pressure	Semi-annually	Reduce monitoring frequency to semi-annual as methane levels have stabilized throughout the site.

Table 6-5 (continued)
Landfill 6 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
Analysis/Frequency Changes				
April 2009				
Groundwater	----------	VOCs – SW8260	Semi-Annual (Routine)	Reduce sampling frequency as COCs have stabilized site-wide.
LF6MW-1	Upgradient well	Metals – SW6010B (except Hg)		
TMCMW-9	Downgradient from landfill	Mercury[2] – SW7470A	Annually (Baseline)	
TMC-USGS-2	Downgradient from landfill	Cyanide[2] – SW9010B		
775VMW-10	Upgradient well	Landfill Leachate Indicators:		
775VMW-18R	Upgradient well	Anions – SW9056		
775VMW-20R	Upgradient well	Nitrogen (TKN) – 351.2		
LF6VMW-10R2	Downgradient from landfill	Ammonia – 350.2		
LF6MW-12	Downgradient from landfill	COD – 410.4		
LF6VMW-17S	Downgradient, vertical profile	BOD – 405.1		
LF6VMW-17D	Downgradient, vertical profile	TOC – SW9060		
LF6VMW-18	Downgradient, vertical profile	TDS – 160.1		
LF6VMW-19	Downgradient, vertical profile	Alkalinity – 310.1		
LF6VMW-20	Downgradient, vertical profile	Phenols – SW9066		
LF6VMW-21	Upgradient well	Hardness – 130.2		
LF6VMW-22	Downgradient, vertical profile	Color[2] – 110.2		
LF6VMW-23	Downgradient, vertical profile	Boron[2] – SW6010B		
LF6VMW-24	Downgradient, vertical profile			
LF6VMW-25	Downgradient, vertical profile			
LF6VMW-26	Downgradient from landfill			
Leachate/Wetlands	----------			
LF6W-1	Potential contaminant receptor			
LF6W-2	Potential contaminant receptor			
LF6W-3	Potential contaminant receptor			
LF6LH-1	Leachate Sampling Location			
LF6LH-2	Leachate Sampling Location			
Surface Water	----------			
LF6/TMCSW-1	Potential contaminant receptor			
LF6/TMCSW-2	Potential contaminant receptor			
LF6/TMCSW-3	Potential contaminant receptor			

Table 6-5 (continued)
Landfill 6 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
Analysis/Frequency Changes				
April 2009				
Gas Sampling[3] 16 gas monitoring probes and 16 gas vents	In accordance with 6 NYCRR 360-2.17 (f)	Methane LEL Oxygen Carbon dioxide Barometric pressure	Semi-Annually (Routine) Annually (Baseline)	Reduce sampling frequency from quarterly to semi-annually. Sampling frequency was reduced, due to the low methane concentrations.
December 2006				
Added Sampling Locations				
Leachate LF6LH-1 LF6LH-2	---------- Leachate Sampling Location Leachate Sampling Location	VOCs – SW8260 Metals – SW6010B (except Hg) Mercury[2] – SW7470A Cyanide[2] – SW9010B Landfill Leachate Indicators: Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.2 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.1 Phenols – SW9066 Hardness – 130.2 Color[2] – 110.2 Boron[2] – SW6010B	Quarterly (Routine) Annually (Baseline)	Quarterly monitoring with semi-annual evaluation and recommendations.

Table 6-5 (continued)
Landfill 6 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
June 2006				
Analysis/Frequency Changes				
All groundwater monitoring wells and surface water sampling locations	--	Metals – SW6010B (except Hg)	Quarterly (Routine) Annually (Baseline)	Samples collected for metals analysis will be analyzed for both dissolved and total concentrations.

1 Target analytes are based on 6 NYCRR Part 360, Subpart 2, Appendix A.

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Notes and Data Qualifiers

B = The analyte was found in an associated blank, as well as in the sample.

F = The analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).

J = For the 2002 to 2010 results, the analyte was positively identified, but the quantitation is an approximation.

J = For the 2011 and 2012 results, the analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).

M = A matrix effect was present.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.

UJ = The result is estimated at the method detection limit.

UM = A matrix effect was present; the analyte was not detected above the method detection limit.

NA = Not analyzed

NS = Not sampled

R = The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.

* - Color is analyzed in Platinum Cobalt Units (PCU)

♦ = Duplicate value was used.

-- = No value reported

= Value exceeded NYSDEC Groundwater standard.

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APPENDIX A

LANDFILL 1
INSPECTION REPORT
FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: __X__ Routine Quarterly ____ Response to Storm Event

Date of Inspection: 5/11/2012

Personnel Present: Josh Wenzel, Spencer Noyes

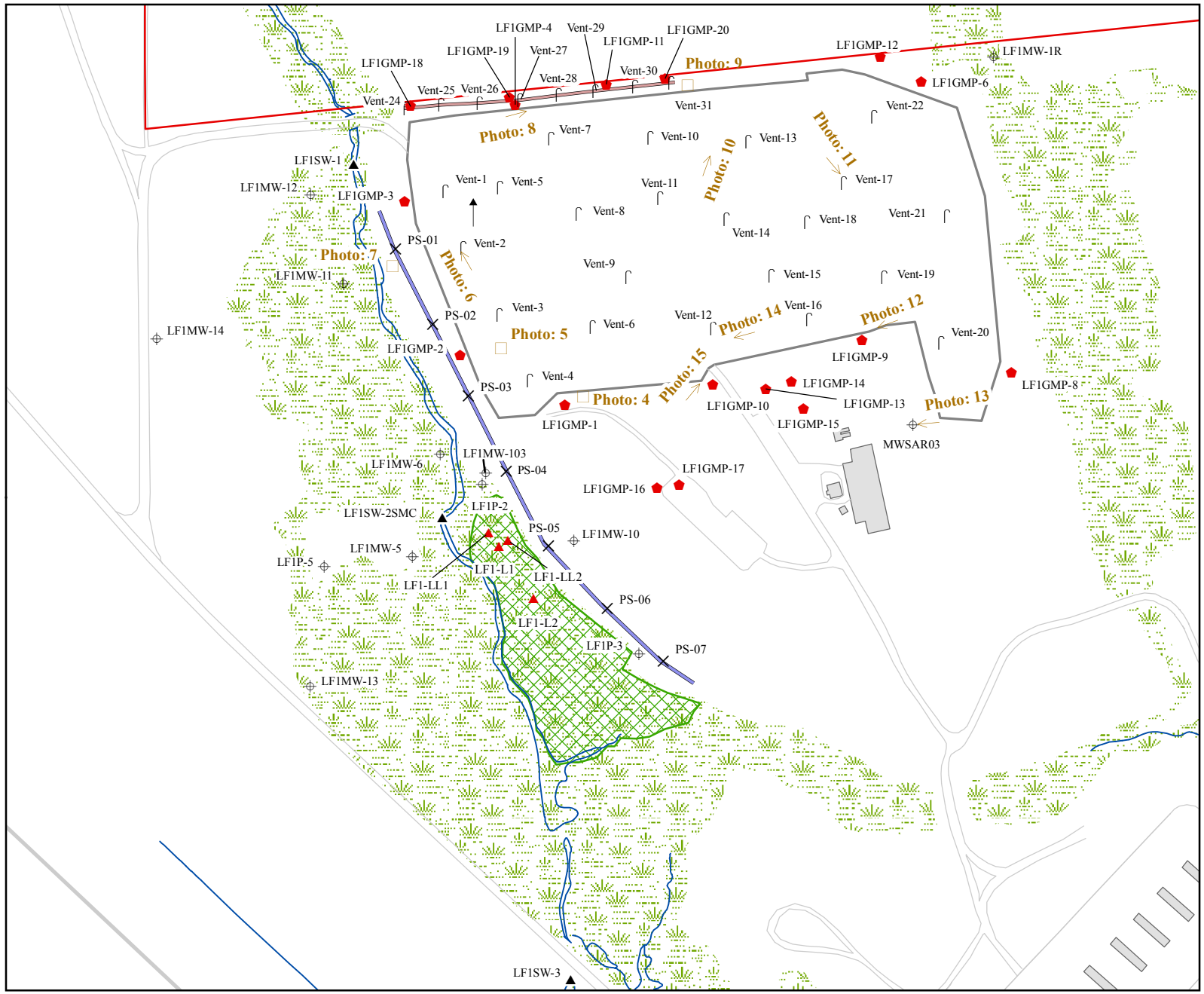
Weather Conditions: Sun, 60's

INSPECTION ITEMS	COMMENTS/NEED FOR ACTION
Soil Cover Integrity 6" topsoil 18" low-perm soil Geocomposite layer	The overall soil integrity is good (Photo 14). No signs of settlement was noted. No bare spots/erosion noted.
Slopes 2% min., 33% max. No significant ponding	Overall condition of the slopes is very good (Photo 6). No significant erosion was noted on the slopes.
Cover Vegetation Thick, no stress	Overall density of the cover vegetation is adequate (Photo 10). No thin spots were noted. Early spring vegetation shows good growth.
Leachate Breakouts Active seeps Staining, probable source	Significant iron staining was observed at drainage outfalls near gas monitoring probe LF1GMP-3 and -20 (Photos 7 and 9).
Vectors Holes from burrowing	There were no holes or burrows observed on or around the landfill cap.
Drainage Grass-lined swales Rip-Rap reinforced areas	Drainage swale, drainage points, and rip-rap areas in good working condition (Photo 12).

Institutional Controls Signs Deed restriction violations	Overall, signs are in good condition (Photo 14). No deed restrictions/ violations have been noted.
Monitoring Wells/ Gas Probes Protective casings/ Surface seals	Monitoring wells/gas probes in good working condition (Photos 13 and 15).
Gas Vents Integrity of piping Insect screens	Gas vents are in good working condition (Photos 8 and 11).
Security Fencing/Gates	Security fencing and gates are in good working condition (Photo 1).

Comments/Follow Up Needs:

Although water has dropped in the beaver pond created on Six Mile Creek, it appears beavers remain (Photo 4). Water levels will continue to be monitored throughout the spring. The roadway leading into Landfill 1 has been repaired and is in good working condition. (Photos 2 and 3).



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DANGER
ROAD WASHED OUT
NO ENTRY ALLOWED
RESTRICTED ACCESS
AREA
FOR ACCESS CALL
315-338-0393






Solid Waste
Landfill
Contains
Hazardous
Substances
No Trespassing
DANGER
NO SMOKING, MATCHES
OR OPEN LIGHTS





















LANDFILL 1
INSPECTION REPORT
FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: __X__ Routine Quarterly ____ Response to Storm Event

Date of Inspection: 10/5/2012

Personnel Present: Josh Wenzel, Mark Grifasi

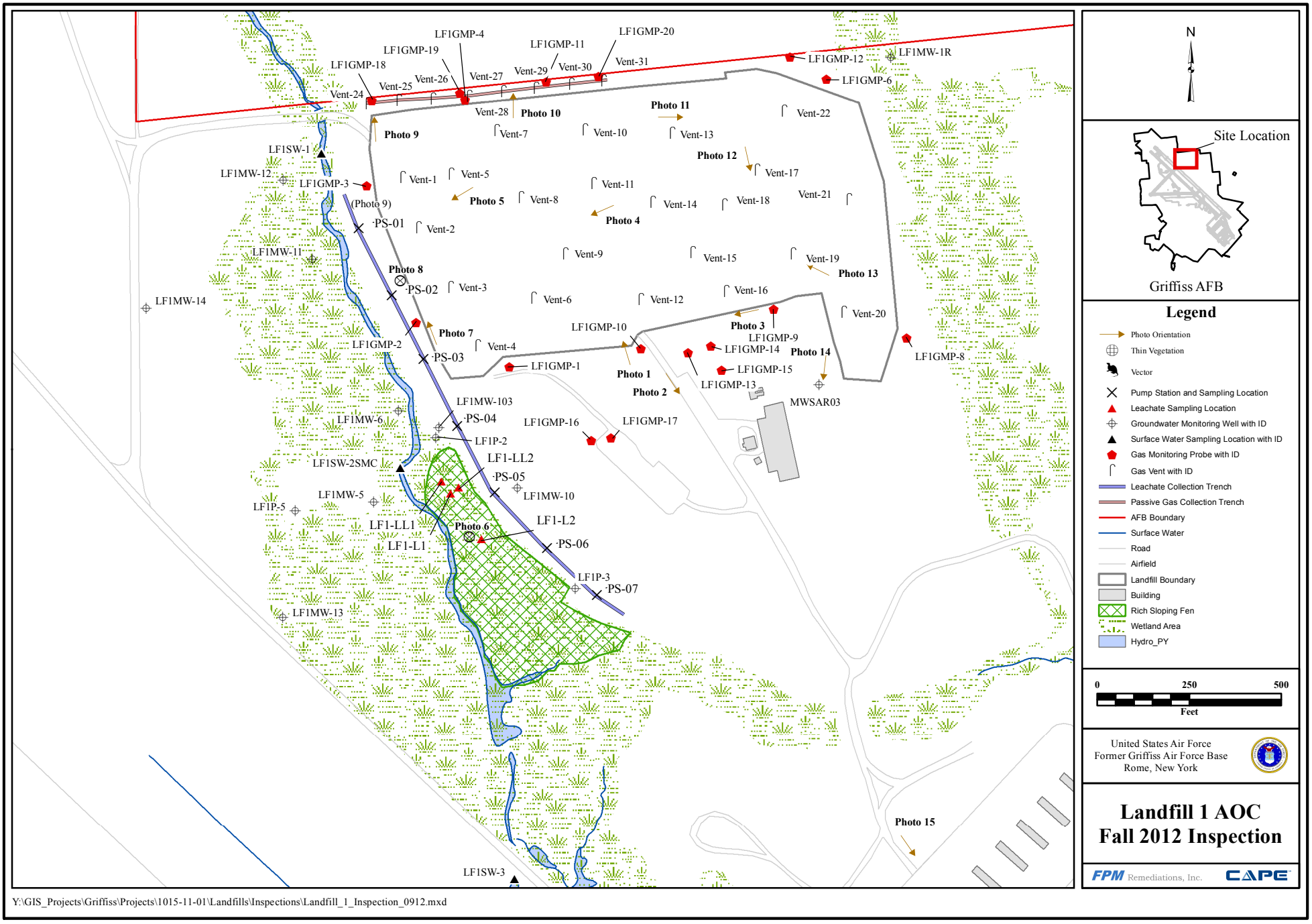
Weather Conditions: Cloudy, low 60's

INSPECTION ITEMS	COMMENTS/NEED FOR ACTION
Soil Cover Integrity 6" topsoil 18" low-perm soil Geocomposite layer	The overall soil integrity is very good. No signs of settlement was noted. No bare spots/erosion noted. (Photos #4 and #13)
Slopes 2% min., 33% max. No significant ponding	Overall condition of the slopes is very good. (Photo #7) No significant erosion was noted on the slopes.
Cover Vegetation Thick, no stress	Overall density of the cover vegetation is adequate (Photos #5 and #11).No thin spots were noted. Landfill cap was recently mowed.
Leachate Breakouts Active seeps Staining, probable source	Minor iron staining was observed at drainage outfalls near gas monitoring probe LF1GMP-12 and -20. (Photo #8)
Vectors Holes from burrowing	There were no holes or burrows observed on or around the landfill cap.
Drainage Grass-lined swales Rip-Rap reinforced areas	Drainage swale, drainage points, and rip-rap areas in good working condition. (Photo #2)

Institutional Controls Signs Deed restriction violations	Signs are upright and are in good condition. (Photo #1) No deed restrictions/ violations have been noted.
Monitoring Wells/ Gas Probes Protective casings/ Surface seals	Monitoring wells/gas probes in good working condition. All wells and gas probes are secured with locks. (Photos #9 and #14)
Gas Vents Integrity of piping Insect screens	Gas vents securely in the ground and are in good working condition. (Photo #12)
Security Fencing/Gates	Security fencing and gates are in good working condition. (Photos #10 and #15)

Comments/Follow Up Needs:

Beaver ponds/dams appear to be inactive. Ponds still exist, but all monitoring wells are accessible. Annual landfill mowing was recently completed. The Rich Sloping Fen is also in good condition (Photo #6).



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Solid Waste
Landfill
Contains
Hazardous
Substances
No Trespassing
DANGER
NO SMOKING, MATCHES
OR OPEN LIGHTS




























DANGER
ROAD WASHED OUT
NO ENTRY ALLOWED
RESTRICTED ACCESS
AREA
FOR ACCESS CALL
315-338-0393

LANDFILL 2/3
INSPECTION REPORT
FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: __X__ Routine Quarterly ____ Response to Storm Event

Date of Inspection: 5/11/2012

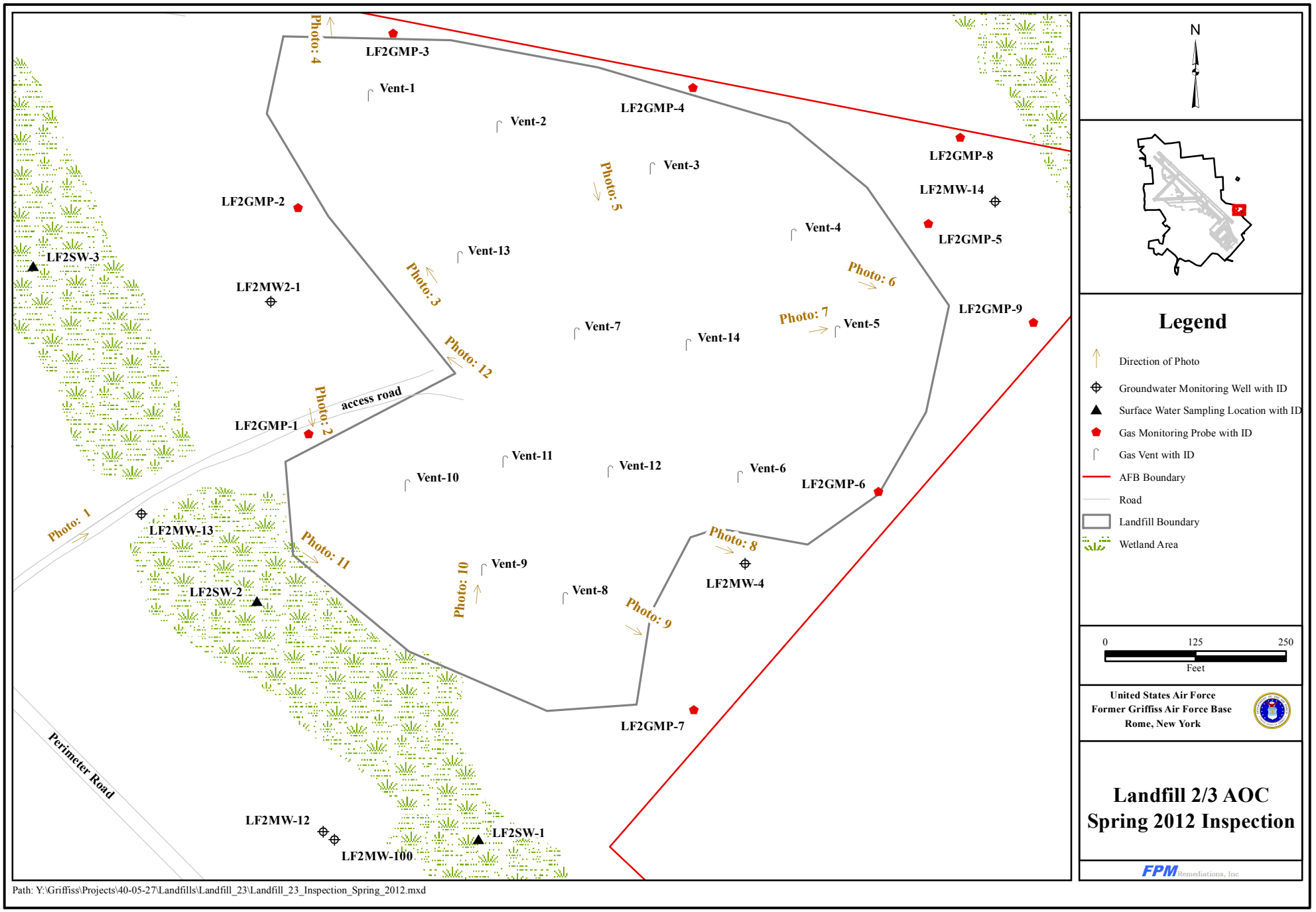
Personnel Present: Josh Wenzel, Spencer Noyes

Weather Conditions: Sun, 60's

INSPECTION ITEMS	COMMENTS/NEED FOR ACTION
Soil Cover Integrity 6" topsoil 18" low-perm soil Geocomposite layer	The overall soil integrity is good (Photo 5). No thin spots or signs of settlement were noted.
Slopes 2% min., 33% max. No significant ponding	Overall condition of the slopes is very good (Photo 6). No significant erosion was observed on the slopes.
Cover Vegetation Thick, no stress	Overall density of the cover vegetation is adequate (Photos 3 & 10). Early spring vegetation is healthy and thick.
Leachate Breakouts Active seeps Staining, probable source	No leachate seeps/breakouts noted.
Vectors Holes from burrowing	There were no woodchuck holes observed on or around the landfill during the inspection.
Drainage Grass-lined swales Rip-Rap reinforced areas	Drainage swale, drainage points, and rip-rap areas in good working condition (Photos 9 and 11).

Institutional Controls Signs Deed restriction violations	Overall, signs are in good condition (Photo 12). No deed restrictions/ violations have been noted.
Monitoring Wells/ Gas Probes Protective casings/ Surface seals	Monitoring wells/gas probes in good working condition (Photos 2 and 8).
Gas Vents Integrity of piping Insect screens	Gas vents are in good working condition (Photo 7).
Security Fencing/Gates	Security fencing and gates are in good working condition (Photos 1 and 4).

Comments/Follow Up Needs:



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RESTRICTED ACCESS
AREA
FOR ACCESS CALL
315-338-0393






















Solid Waste
Landfill
Contains
Hazardous
Substances
No Trespassing
DANGER

LANDFILL 2/3
INSPECTION REPORT
FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: __X__ Routine Quarterly ____ Response to Storm Event

Date of Inspection: 10/5/2012

Personnel Present: Josh Wenzel, Mark Grifasi

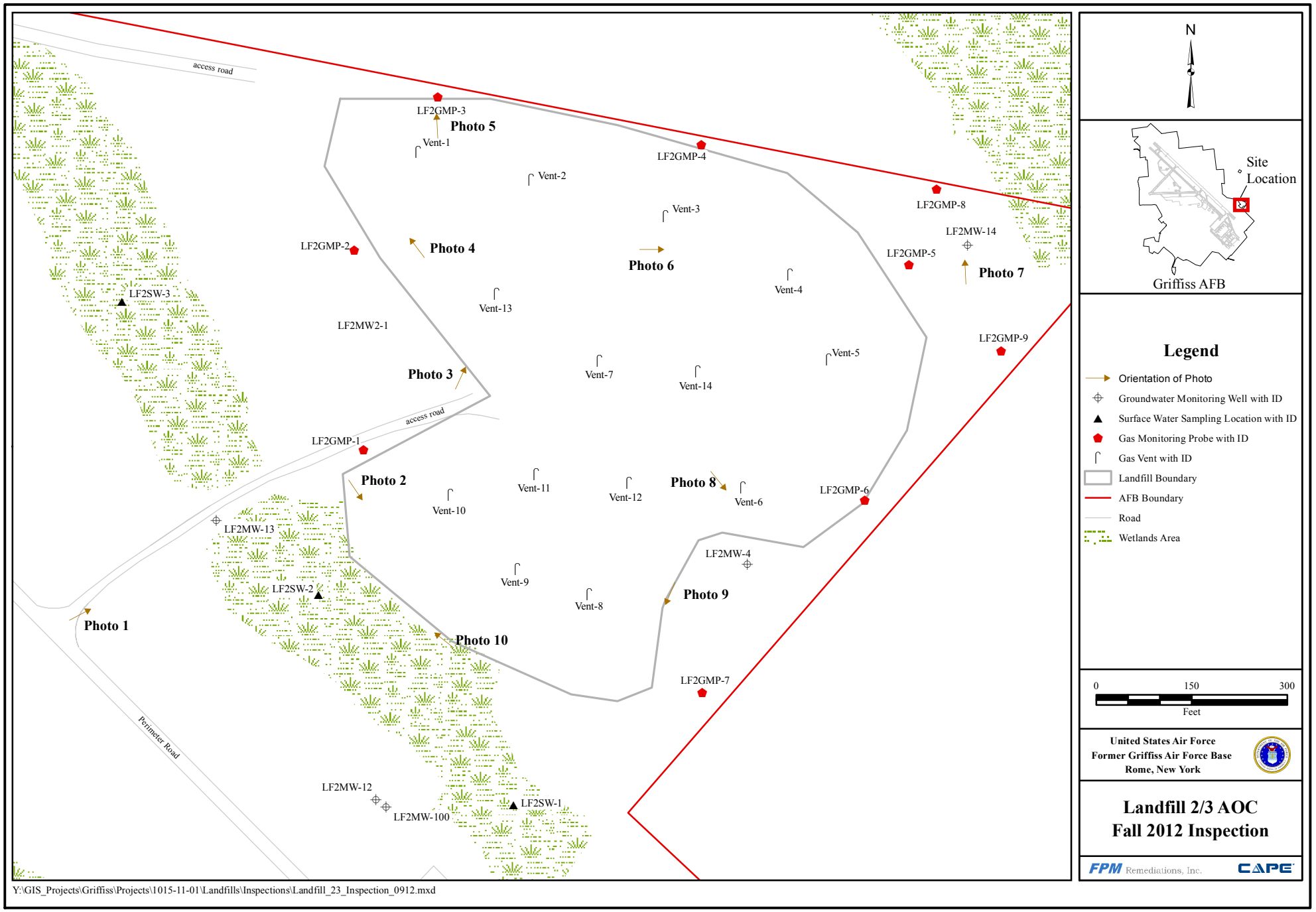
Weather Conditions: Cloudy, mid 60's

INSPECTION ITEMS	COMMENTS/NEED FOR ACTION
Soil Cover Integrity 6" topsoil 18" low-perm soil Geocomposite layer	The overall soil integrity is good. (Photo #6) No thin spots or signs of settlement were noted.
Slopes 2% min., 33% max. No significant ponding	Overall condition of the slopes is very good. (Photos #2 and #4) No significant erosion was observed on the slopes.
Cover Vegetation Thick, no stress	Vegetation is in excellent condition. No signs of stress were observed. (Photos #4 and #6)
Leachate Breakouts Active seeps Staining, probable source	No leachate seeps/breakouts noted.
Vectors Holes from burrowing	There were no woodchuck holes observed on or around the landfill during the inspection.
Drainage Grass-lined swales Rip-Rap reinforced areas	Drainage swale, drainage points, and rip-rap areas in good working condition. (Photos #9 and #10)

Institutional Controls Signs Deed restriction violations	Signs are upright and clearly visible. (Photo 3) No deed restrictions/ violations have been noted.
Monitoring Wells/ Gas Probes Protective casings/ Surface seals	All monitoring wells/gas probes are in good working condition. All are secured with locks. (Photo #5 and #7)
Gas Vents Integrity of piping Insect screens	Gas vents are in good working condition. (Photo #8)
Security Fencing/Gates	Security fencing and gates are in good working condition. Fencing that borders the landfill is free of obstructions. (Photos #1 and #11)

Comments/Follow Up Needs:

Landfill cap was recently mowed.



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AREA
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315-338-0393




Solid Waste
Landfill
Contains
Hazardous
Substances
No Trespassing
DANGER

















LANDFILL 5
INSPECTION REPORT
FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: __X__ Routine Quarterly ____ Response to Storm Event

Date of Inspection: 5/14/12

Personnel Present: Josh Wenzel, Spencer Noyes

Weather Conditions: Sun, 60's

INSPECTION ITEMS	COMMENTS/NEED FOR ACTION
Soil Cover Integrity 6" topsoil 18" low-perm soil Geocomposite layer	Nothing noted that would jeopardize the integrity of the cover. No signs of erosion. Overall soil cover is adequate (Photo 7).
Slopes 2% min., 33% max. No significant ponding	No signs of settlement. Slopes appear to be as noted in as-built drawings (Photo 6).
Cover Vegetation Thick, no stress	Overall, cover vegetation is very good (Photo 5).
Leachate Breakouts Active seeps Staining, probable source	No leachate seeps/breakouts noted.
Vectors Holes from burrowing	No woodchuck holes or other vectors were observed in or around the Landfill 5 boundary.
Drainage Grass-lined swales	Grass-lined swales are in good working condition (Photo 2).

Institutional Controls Overall, signs are in good condition (Photo 2)

Signs

Deed restriction violations

Monitoring Wells Monitoring wells/casings are in good working condition (Photo 3).

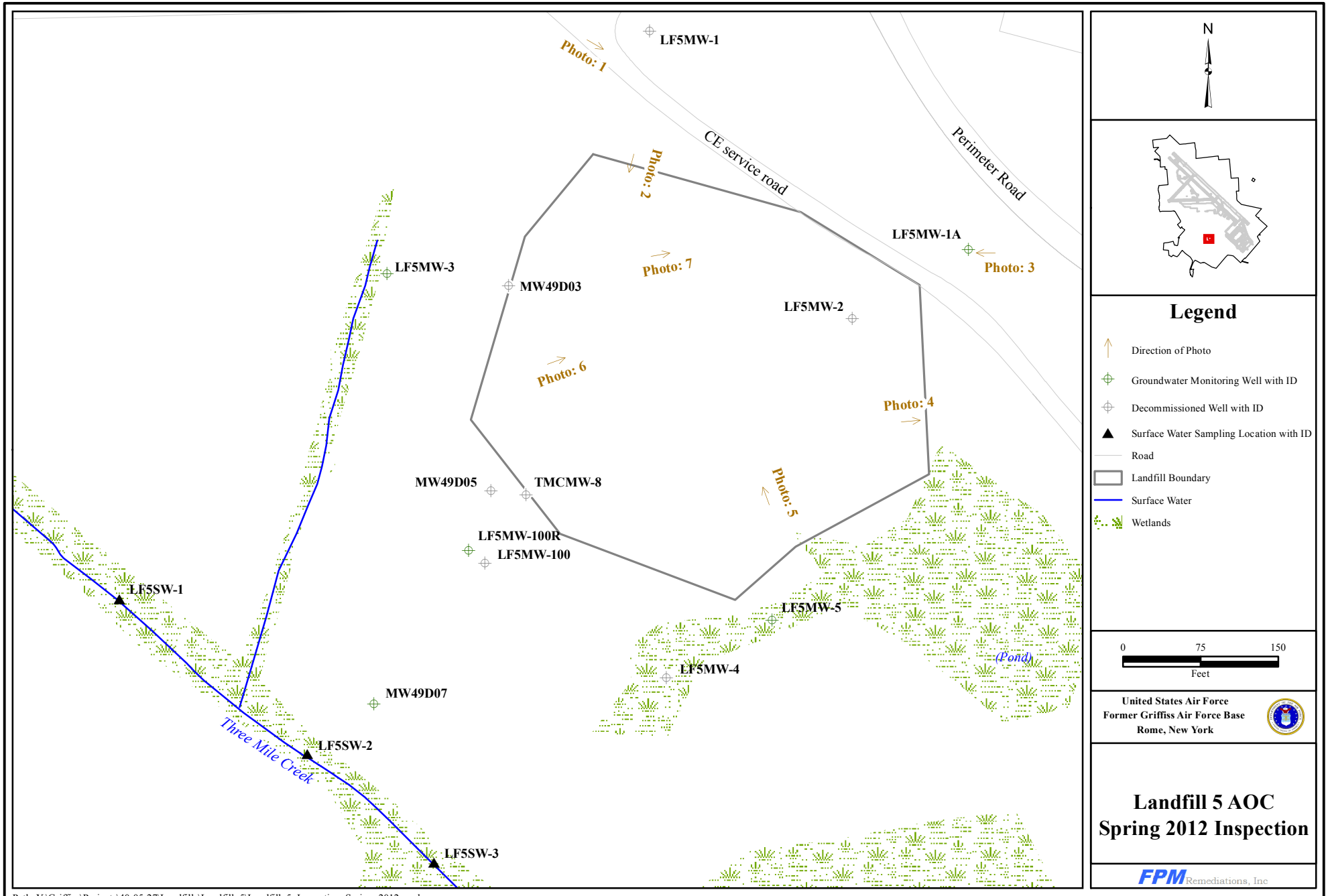
Protective casings/

Surface seals

Security Fencing/Gates Security gate is in good working condition (photo 1).

Comments/Follow Up Needs:

None



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RESTRICTED ACCESS
AREA
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Solid Waste
Landfill
Contains
Hazardous
Substances
No Trespassing











LANDFILL 5
INSPECTION REPORT
FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: __X__ Routine Quarterly ____ Response to Storm Event

Date of Inspection: 9/19/2012

Personnel Present: Josh Wenzel, Mark Grifasi

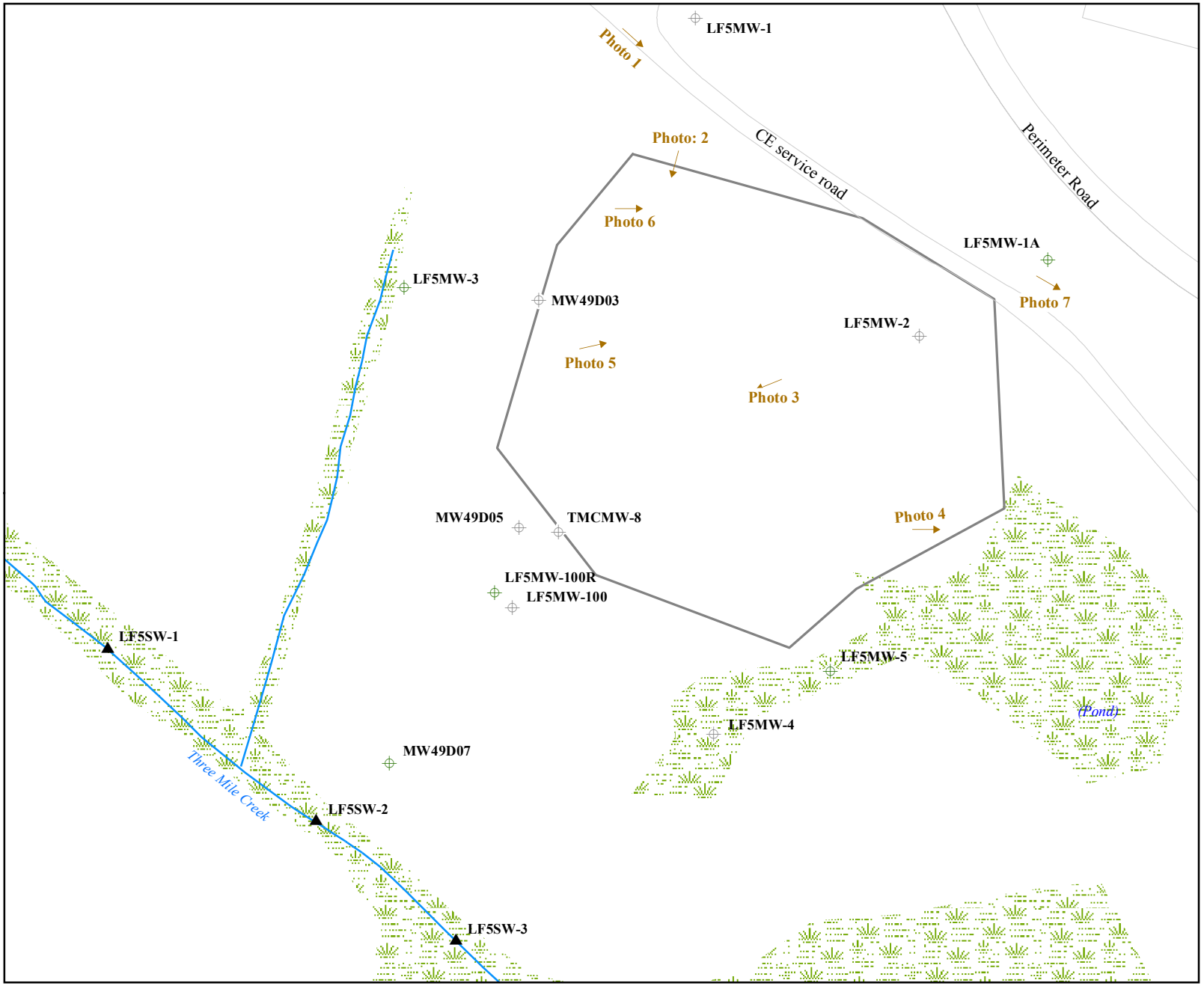
Weather Conditions: Partly Cloudy, low 50's

INSPECTION ITEMS	COMMENTS/NEED FOR ACTION
Soil Cover Integrity 6" topsoil 18" low-perm soil Geocomposite layer	Nothing noted that would jeopardize the integrity of the cover. No signs of erosion. Overall soil cover is adequate. Photo #5.
Slopes 2% min., 33% max. No significant ponding	No signs of settlement. Slopes appear to be as noted in as-built drawings. Photo #6.
Cover Vegetation Thick, no stress	Cover vegetation is in good condition. No bare spots were noted. Photo #3.
Leachate Breakouts Active seeps Staining, probable source	No leachate seeps/breakouts noted.
Vectors Holes from burrowing	No woodchuck holes or other vectors were observed in or around the Landfill 5 boundary.
Drainage Grass-lined swales Rip-Rap reinforced areas	Grass-lined swales are in good working condition. Photo #4.

Institutional Controls Signs Deed restriction violations	Signs are upright and in good condition. Photo #2.
Monitoring Wells Protective casings/ Surface seals	Monitoring wells/casings are in good working condition. All wells are secured with locks. Photo #7.
Security Fencing/Gates	Security gate is in good working condition. Photo #1.

Comments/Follow Up Needs:

Landfill cap was mowed the week of 9/10/12.



N

Site Location

Griffiss AFB

Legend

- Photo Orietation
- Groundwater Monitoring Well with ID
- Decommissioned Well with ID
- Surface Water Sampling Location with ID
- Road
- Surface Water
- Wetland
- Landfill Boundary

0 75 150

Feet

United States Air Force
Former Griffiss Air Force Base
Rome, New York

Landfill 5 AOC
Fall 2012 Inspection

FPM Remediations, Inc. CAPE

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Solid Waste
Landfill
Contains
Hazardous
Substances











LANDFILL 6
INSPECTION REPORT
FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: __X__ Routine Quarterly ____ Response to Storm Event

Date of Inspection: 5/14/12

Personnel Present: Josh Wenzel

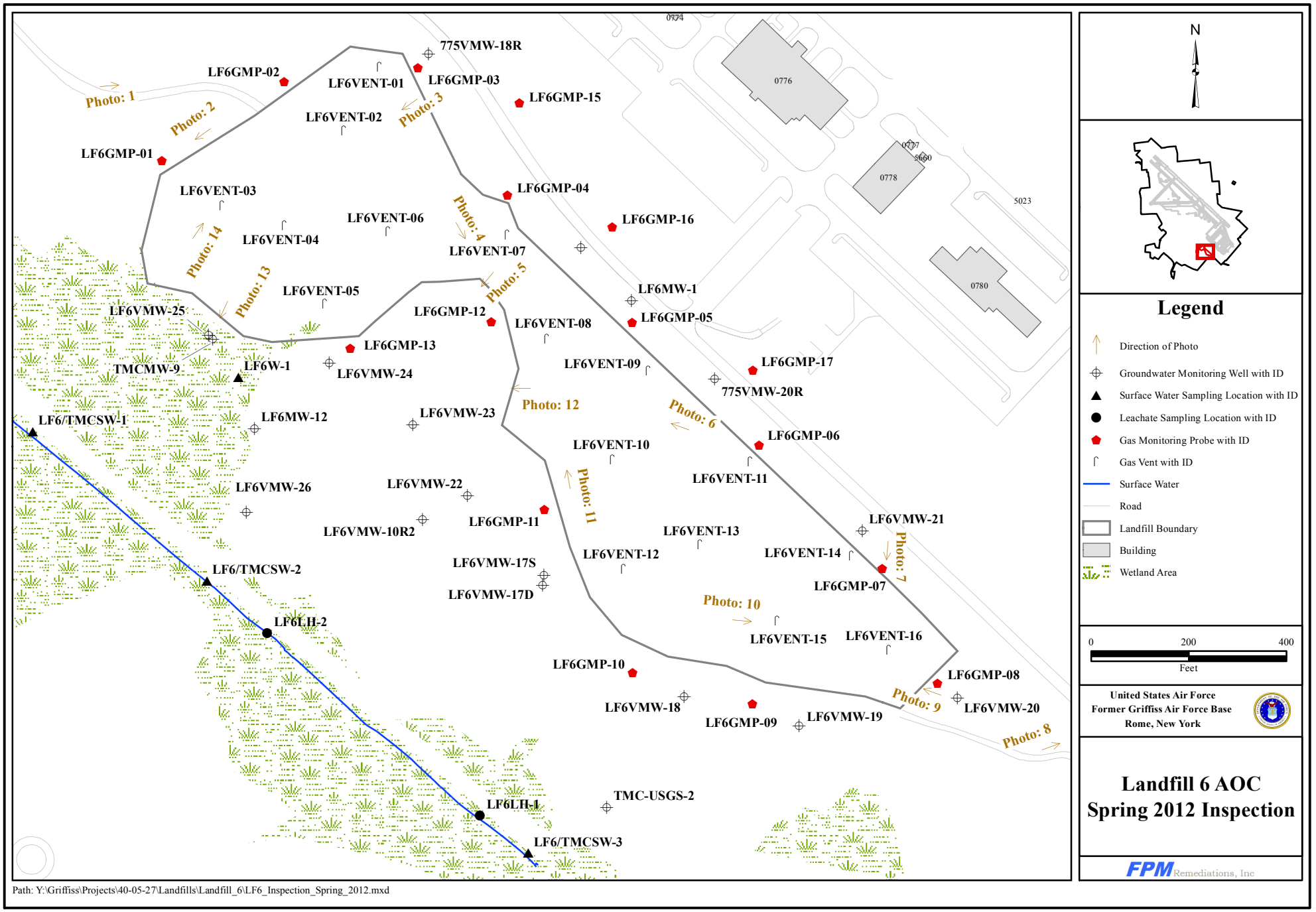
Weather Conditions: Sun, mid 60's

INSPECTION ITEMS	COMMENTS/NEED FOR ACTION
Soil Cover Integrity 6" topsoil 18" low-perm soil Geocomposite layer	The overall soil integrity is very good (Photo 6).
Slopes 2% min., 33% max. No significant ponding	Overall condition of the slopes is very good (Photos 9 and 11). No significant erosion observed.
Cover Vegetation Thick, no stress	Overall density of the cover vegetation is adequate (Photos 4 & 14). Early spring vegetation is thick.
Leachate Breakouts Active seeps Staining, probable source	No leachate seeps/breakouts were observed.
Vectors Holes from burrowing	No woodchuck holes or other vectors were observed on the landfill cap.
Drainage Grass-lined swales Rip-Rap reinforced areas	The drainage swale, drainage points, and rip-rap areas are in good working condition (Photo 2).
Institutional Controls	Overall, signs are in good condition (Photo 3).

Signs Deed restriction violations	No deed restrictions/violations have been noted.
Monitoring Wells/ Gas Probes Protective casings/ Surface seals	Monitoring wells/ gas probes are in good working condition (Photos 7 and 13).
Gas Vents Integrity of piping Insect screens	Gas vents are in good working condition (Photo 10).
Security Fencing/Gates	Security fencing, gates and berms are in good working condition (Photos 1 and 8).

Comments/Follow Up Needs:

Vernal pool in good working condition (photos 5 and 12) No signs of erosion were found in or around the vernal pool.



N

Legend

- Direction of Photo
- Groundwater Monitoring Well with ID
- Surface Water Sampling Location with ID
- Leachate Sampling Location with ID
- Gas Monitoring Probe with ID
- Gas Vent with ID
- Surface Water
- Road
- Landfill Boundary
- Building
- Wetland Area

0 200 400
Feet

United States Air Force
Former Griffiss Air Force Base
Rome, New York

Landfill 6 AOC
Spring 2012 Inspection

FPM Remediations, Inc

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AREA
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Solid Waste
Landfill
Contains
Hazardous
Substances
No Trespassing























LANDFILL 6
INSPECTION REPORT
FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: __X__ Routine Quarterly ____ Response to Storm Event

Date of Inspection: 10/8/12

Personnel Present: Josh Wenzel, Mark Grifasi

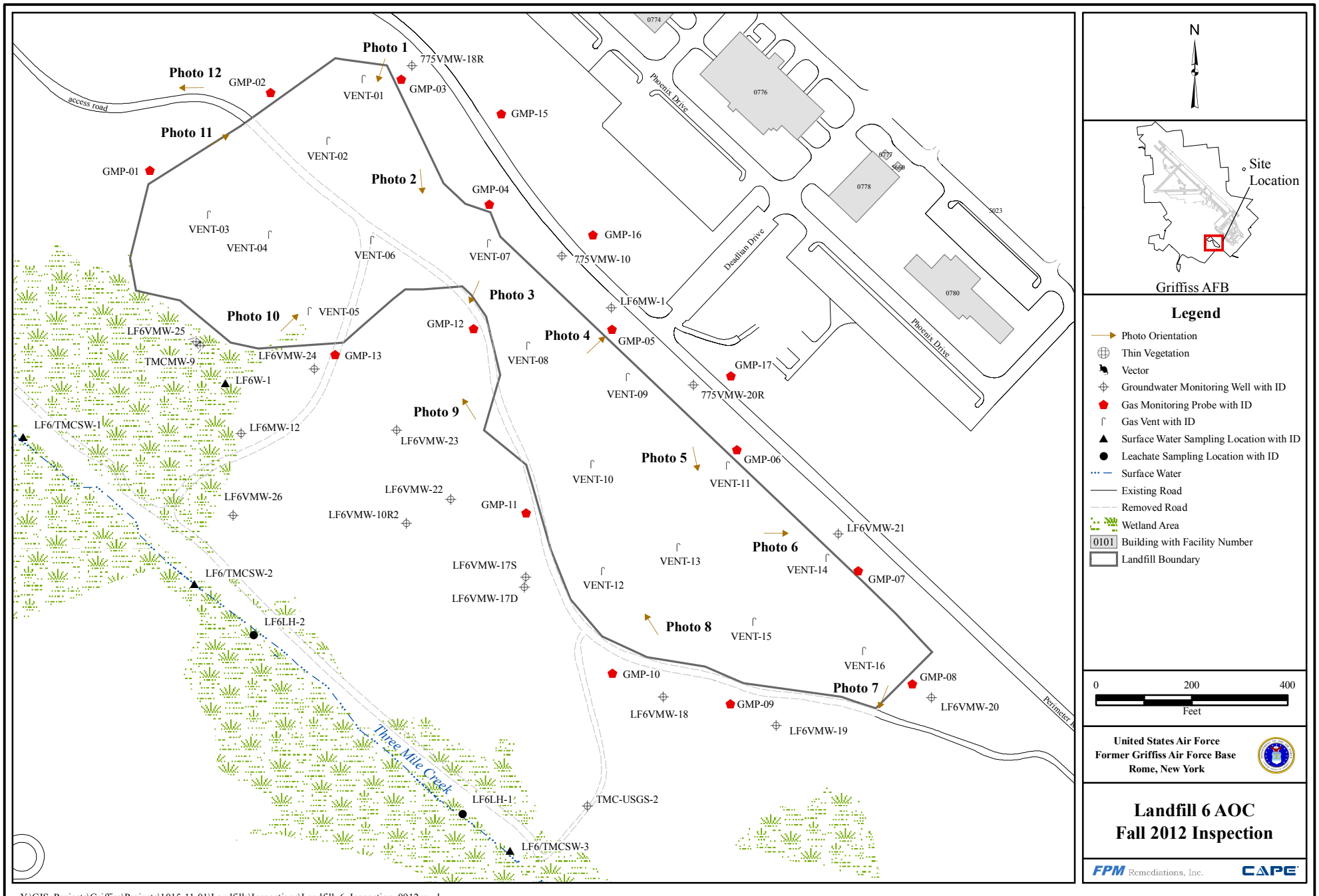
Weather Conditions: Cloudy, low 50's

INSPECTION ITEMS	COMMENTS/NEED FOR ACTION
Soil Cover Integrity 6" topsoil 18" low-perm soil Geocomposite layer	The overall soil integrity is very good. There are no signs of settlement or erosion on the landfill cap. (Photo #5)
Slopes 2% min., 33% max. No significant ponding	Overall condition of the slopes is very good. No signs of erosion were observed. (Photo #8)
Cover Vegetation Thick, no stress	Overall density of the cover vegetation is very good. No bare spots were noted. (Photos #2 and #13)
Leachate Breakouts Active seeps Staining, probable source	No leachate seeps/breakouts were observed.
Vectors Holes from burrowing	No vectors observed. Woodchuck holes observed during spring the spring inspection are still inactive and backfilled.
Drainage Grass-lined swales Rip-Rap reinforced areas	The drainage swale, drainage points, and rip-rap areas are in good working condition. (Photos #7 and #11)

Institutional Controls Signs Deed restriction violations	Signs are upright and visible. No deed restriction violations noted. (Photo #1)
Monitoring Wells/ Gas Probes Protective casings/ Surface seals	Monitoring wells/ gas probes are in good working condition. All wells and gas probes are secured with locks. (Photos # 4 and #6)
Gas Vents Integrity of piping Insect screens	Gas vents are in good working condition. (Photo #10)
Security Fencing/Gates	Security fencing, gates and berms are in good working condition. (Photos # 12 and #14)

Comments/Follow Up Needs:

Vernal pool in good working condition. (Photos #3 and #9) No signs of erosion were found in or around the vernal pool . Landfill cap was recently mowed.



Griffiss AFB

Legend

- Photo Orientation
- Thin Vegetation
- Vector
- Groundwater Monitoring Well with ID
- Gas Monitoring Probe with ID
- Gas Vent with ID
- Surface Water Sampling Location with ID
- Leachate Sampling Location with ID
- Surface Water
- Existing Road
- Removed Road
- Wetland Area
- 0101 Building with Facility Number
- Landfill Boundary

0 200 400
Feet

United States Air Force
Former Griffiss Air Force Base
Rome, New York

Landfill 6 AOC
Fall 2012 Inspection

FPM Remediations, Inc. CAPE

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Solid Waste
Landfill
Contains
Hazardous
Substances
No Trespassing


























RESTRICTED ACCESS
AREA
FOR ACCESS CALL
315-338-0393

LANDFILL 7
INSPECTION REPORT
FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: __X__ Routine Quarterly _____ Response to Storm Event

Date of Inspection: 5/14/2012

Personnel Present: Josh Wenzel, Spencer Noyes

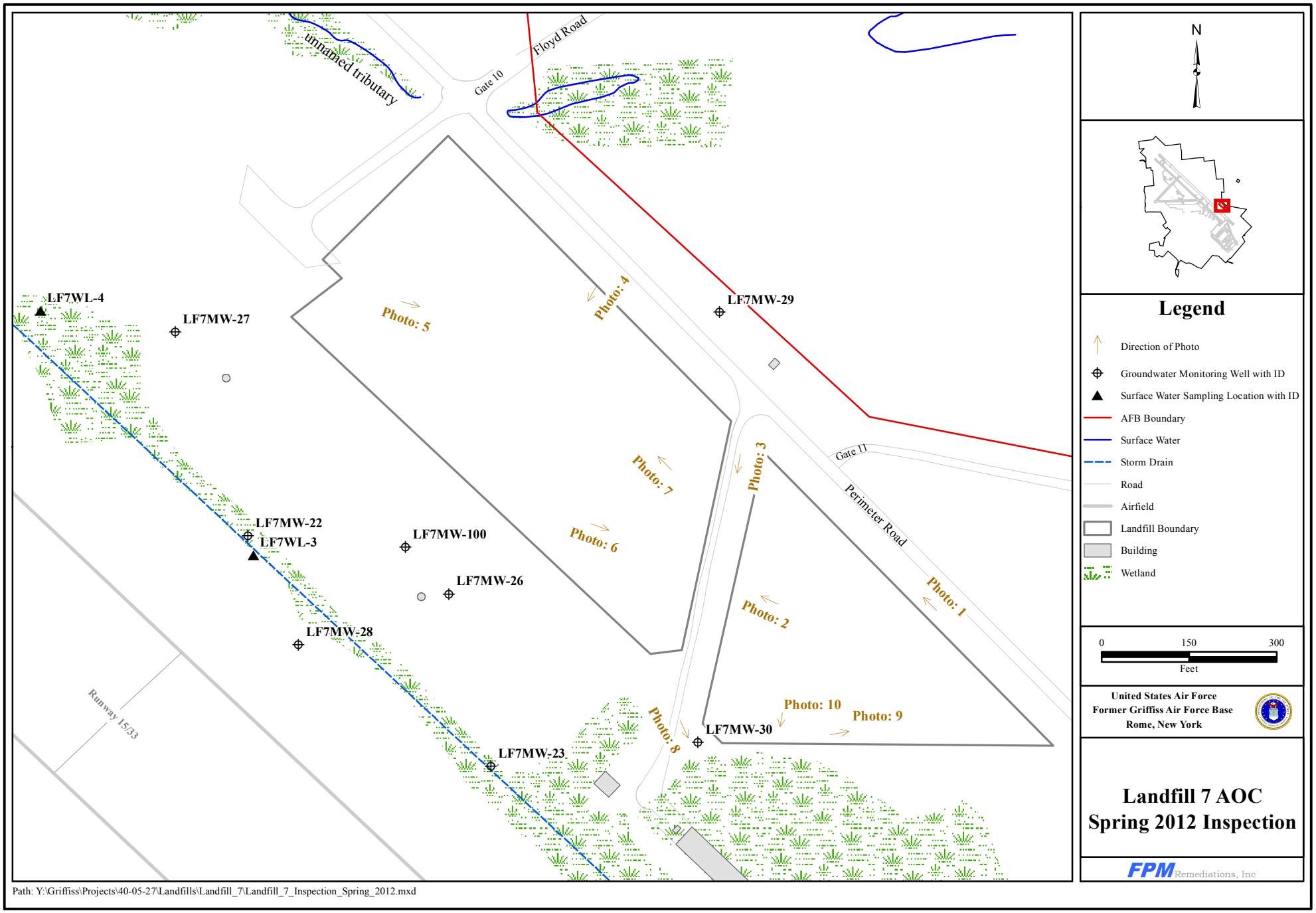
Weather Conditions: Sun, mid 60's

INSPECTION ITEMS	COMMENTS/NEED FOR ACTION
Soil Cover Integrity 6" topsoil 18" low-perm soil Geocomposite layer	Overall cover integrity is good (photos 5 and 6). No signs of erosion or settlement were noted.
Slopes 2% min., 33% max. No significant ponding	Overall, slopes are in good condition. No signs of settlement. (photos 3 and 9).
Cover Vegetation Thick, no stress	Overall density of the cover vegetation is very good (photos 2, and 7).
Leachate Breakouts Active seeps Staining, probable source	No leachate seeps/breakouts were observed.
Vectors Holes from burrowing	No vectors were observed on the Landfill 7 cap.
Drainage Grass-lined swales Rip-Rap reinforced areas	Drainage swales and rip-rap areas are in good working condition. (photo 10).

Institutional Controls Signs Deed restriction violations	Signs are in good condition (photo 4). No deed restriction violations have been noted.
Monitoring Wells/ Gas Probes Protective casings Surface seals	Monitoring wells/casings are in good working condition (photo 8).
Security Fencing/Gates	Security fence is in good working condition (photo 1).

Comments/Follow Up Needs:

None



Path: Y:\Griffiss\Projects\40-05-27\Landfills\Landfill_7\Landfill_7_Inspection_Spring_2012.mxd








Solid Waste
Landfill
Contains
Hazardous
Substances
No Trespassing













LANDFILL 7
INSPECTION REPORT
FORMER GRIFFISS AIR FORCE BASE

Type of Inspection: __X__ Routine Quarterly _____ Response to Storm Event

Date of Inspection: 9/19/2012

Personnel Present: Josh Wenzel, Mark Grifasi

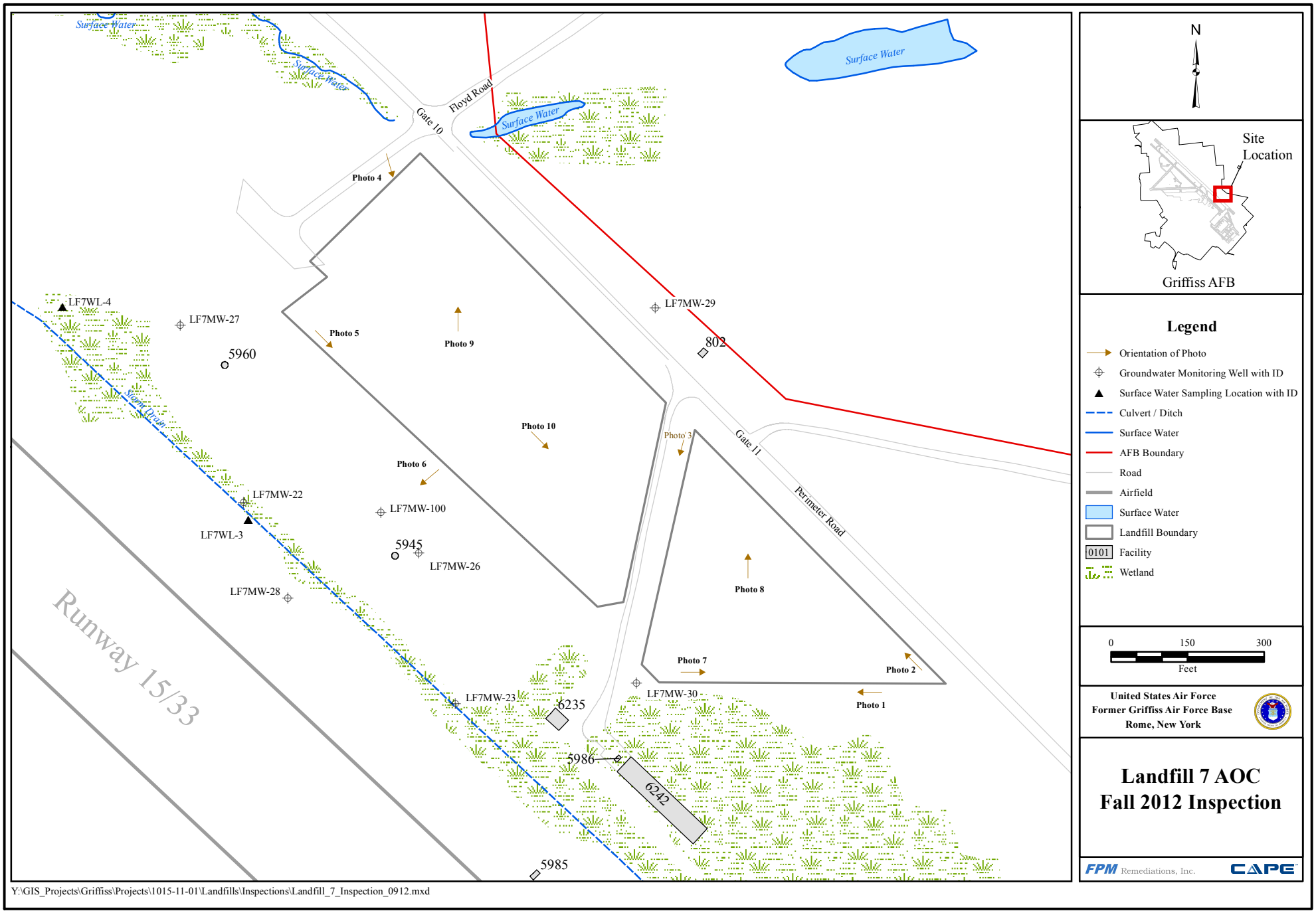
Weather Conditions: Partly Cloudy, low 50's

INSPECTION ITEMS	COMMENTS/NEED FOR ACTION
Soil Cover Integrity 6" topsoil 18" low-perm soil Geocomposite layer	Overall cover integrity is very good. No signs of erosion or settlement were noted. Photo #5.
Slopes 2% min., 33% max. No significant ponding	Overall, slopes are in good condition. No signs of settlement or erosion. Photos #1 and #10.
Cover Vegetation Thick, no stress	Overall density of the cover vegetation is very good. Photo #8 and #9.
Leachate Breakouts Active seeps Staining, probable source	No leachate seeps/breakouts were observed.
Vectors Holes from burrowing	No vectors were observed on or around the landfill cap.
Drainage Grass-lined swales Rip-Rap reinforced areas	Drainage swales and rip-rap areas are in good working condition. Photos #3 and #7.

Institutional Controls Signs Deed restriction violations	Signs are in good condition. Photo #4. No deed restriction violations have been noted.
Monitoring Wells/ Gas Probes Protective casings Surface seals	Monitoring wells/casings are in good working condition. All wells are secured with locks. Photo #6.
Security Fencing/Gates	Security fence is in good working condition. Photo #2.

Comments/Follow Up Needs:

Landfill cap was recently mowed week of 9/10/2012.



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Solid Waste
Landfill
Contains
Hazardous
Substances
No Trespassing













APPENDIX B

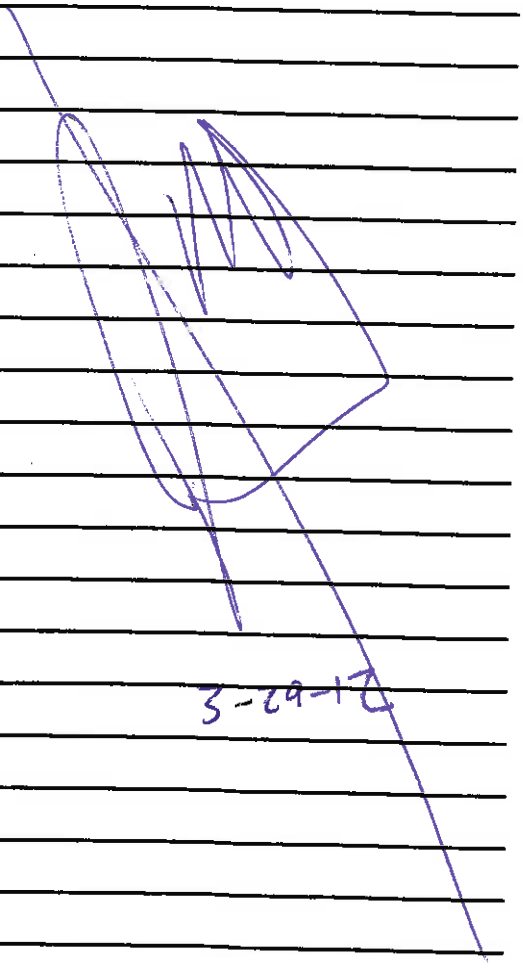
Daily Field Activities Log

Project/Client: 1015-11-01	Location: LF6
Field Activity Subject: Limb Removal @ LF6 access roads	
Personnel: Josh Wenzel	
Weather: Sun / 40°	Date: 3/29/12

Description of Daily Activities and Events:

1000AM Arrive at LF6. Begin clearing ~~road~~ access roads to monitoring wells ~~for~~ of debris.

1200PM Branch removal complete. Back to FPM



Daily Field Activities Log

Project/Client: 1015-11-01	Location: LF1 / LF2/3 / LF5
Field Activity Subject: General Maintenance	
Personnel: Josh Wenzel, Mark Grifasi	
Weather: Sun / 80°	Date: 8/21/12

Description of Daily Activities and Events:

1000 Mob to LF1. Identify GMPs / Monitoring wells near landfill cap. Begin [redacted] clearing tall grass from around these points.

1100 Mob to LF2/3. Identify GMPs / Monitoring wells near landfill cap. Begin clearing tall grass from around these points.

1200 Lunch

1300 Mob to LF5. Identify GMPs / Monitoring wells near landfill cap. Begin clearing tall grass from around these points

1400 Back to FPM office

8-21-12

Daily Field Activities Log

Project/Client: 1015-11-01	Location: LF1 / LF2/3 / LF5
Field Activity Subject: General Maintenance	
Personnel: Mark Grifasi, Josh Wemel	
Weather: Sun / 85°	Date: 8/22/12

Description of Daily Activities and Events:

0900 ~~Person~~ Contine clearing tall grass around GMPs / Monitoring wells so Tractor w/ ~~[redacted]~~ mower ~~[redacted]~~ will not damage them. (LF5, LF1, LF 2/3)

1200 LUNCH

1300 Contine clearing tall grass around GMPs / monitoring wells. (LF1, LF2/3, LF6)

1400 Back to FPM

8/22/12

Daily Field Activities Log

Project/Client: 1015-11-01	Location: LF 1/LF 2/3/LF 6/LF 7
Field Activity Subject: General Maintenance	
Personnel: Mark Grifasi, Josh Wenzel	
Weather: overcast, 75°	Date: 8/23/12

Description of Daily Activities and Events:

0900 Final mowing preparation at LF 1/LF 2/3/ LF 6/LF 7. Straighten several signs and clear limbs from roadways.

1200 Back to FPM - LUNCH

1300 MG continues final preparations for landfill mowing / general Landfill maintenance

1600 End Day

8/23/12

Daily Field Activities Log

Project/Client: 1015-11-01	Location: LF5 / LF6
Field Activity Subject: Landfill Maintenance	
Personnel: Mark Grifasi, Josh Wenzel	
Weather: overcast / 80°	Date: 8/24/12

Description of Daily Activities and Events:

0930	Mob to LF5. Clear trees/limbs blocking access road that connects LF5 + LF6
1030	Access roads clear.
1045	Arrive at LF6. Clear all roadways from brush and debris for future sampling in Fall 2012
1230	LUNCH

8-24-12

FPM group

Page: of

Daily Field Activities Log

Project/Client: 1015-11-01	Location: LF1, LF 2/3, LF5, LF6, LF7
Field Activity Subject: Landfill Cap Mowing	
Personnel: GLDC	
Weather:	Date: 9/10/12 → 9/14/2012

Description of Daily Activities and Events:

Landfill cap mowing completed by GLDC staff during week of 9/10/12. LF1, LF 2/3, LF5, LF6, LF7 caps all mowed

9-17-12

APPENDIX C

Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014 Date: 6/18/12

Project Name/Site Number: Griffiss Landfill Areas of Concern LTM sampling (LF009- Landfill 6)

Weather conditions: Average temperature: 80.2 Average Barometric reading: 29.68
Wind speed and direction: W, 6 mph
Significant wind changes: none

General description of tasks completed: Low flow sampling at LF009 – Landfill 6 (LF6VMW-10R?-18, -19, -20, -21, and -22)

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None

---

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

---

Corrective actions taken or instructions obtained from AFCEE/USACE personnel: No corrective actions necessary.

Sampling shipment completed: √ Yes □ No Test America Courier.

DCQCR Prepared by: Josh Wenzel, FPM, Technical Lead Date: June 18, 2012

CQCC Signature: Cornelia van Oeveal Date: 6/21/12

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs).
	✓ Daily Health and Safety Meeting Form

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: 279 Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB LF6 LTM Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations, Inc. 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America Inc. courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40 mL vials (HCl)	Hardness note 2 250 mL poly (HNO_3)	Anions, TDS, color, Alkalinity note 4 500 mL poly	NH3, COD, TKN, note 5 500 mL poly (H_2SO_4)	TOC note 6 250 mL amber (H_2SO_4)	BOD Note 7 1 L Poly	Comments
LF6VM10R230QA	LF6VMW-10R2	6/18	1200	WG	LF	N	0/0	5	--	1	1	1	1	1	
LF6VM1850 QA	WL-LF6VMW-18	6/18	1441	WG	LF	N	0/0	5	--	1	1	1	1	1	
LF6VM1926QA	WL-LF6VMW-19	6/18	1341	WG	LF	N	0/0	5	--	1	1	1	1	1	
LF6VM2068QA	WL-LF6VMW-20	6/18	1223	WG	LF	N	0/0	5	--	1	1	1	1	1	
LF6VM2175QA	WL-LF6VMW-21	6/18	1045	WG	LF	N	0/0	5	--	1	1	1	1	1	
LF6VM2235QA	WL-LF6VMW-22	6/18	1305	WG	LF	N	0/0	5	--	1	1	1	1	1	
LF6VM2235QC	WL-LF6VMW-22	6/18	1305	WG	LF	FD	0/0	5	--	1	1	1	1	1	
061812QE	FIELDQC	6/18	1500	WQ	LF	EB	0/0	5	--	1	1	1	1	1	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 List + NYS Part 360 Baseline Parameters.
Note 2: Hardness: SM2340B.
Note 3: Phenols: SW9065.
Note 4: Anions: SW9056, TDS: SM2540C, Color: 110.2, Alkalinity: SM2320B.
Note 5: NH3: 350.1, COD: 410.4, TKN: 351.2.
Note 6: TOC: SW9060.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 6/18/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Remediations Inc.	Time: 1600	Company Name:	Time:
#1 Received by: (Sig)	Date: :	#2 Received by: (Sig) REAG/136	Date: 06-18-12	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations, Inc.	Time:	Company Name: TA SYR	Time: 16:00	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Note 7: BOD: 405.1.
Note 9: Cyanide: SW9012.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: KM/MG

Location and Site Code (SITEID): Landfill 6

Well No. (LOCID): LF6VMW-10R2 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6.18.12 Weather: cloudy / 75°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

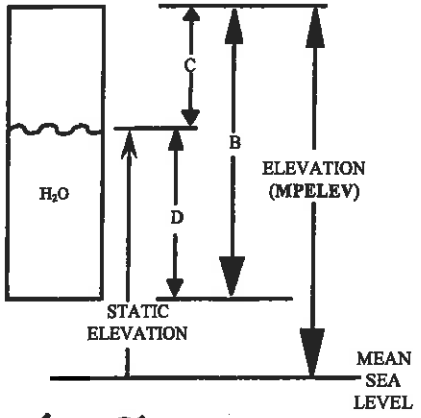
Measured Water Level Depth (C) (STATDEP) 12.85 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 30

Depth during Purging/Sampling: 13.1-13.15 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / 6-18-12

Physical Appearance/Comments: _____

~~Dissolved Ferrous Iron (mg/L):~~ min purge vol = 1060 mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1138	13.1	6.78	0.166	12.88	20.9	3.51	222	100
1142	13.1	6.84	0.166	12.65	19.9	3.33	222	100
1146	13.1	6.87	0.165	12.64	19.1	3.25	221	100
1150	13.1	6.95	0.165	12.48	19.3	3.14	221	100
1154	13.1	6.96	0.165	12.42	18.8	3.15	221	100

Sample Time: 1200 Sample ID: LF6VM10R2300A

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JH

Location and Site Code (SITEID): LF6

Well No. (LOCID): WL-LF6VMW-18 Well Diameter (SDIAM): 2

Date (LOGDATE): 6/18/12 Weather: cloudy 80°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) 11.22 ft. (optional)

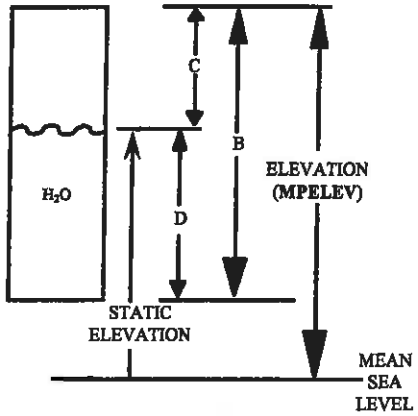
Measured Water Level Depth (C) (STATDEP) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 50ft

Depth during Purging/Sampling: 11.22 - 11.32 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/18/12

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): Remove 1,500 mL H2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1429	11.22	8.07	0.621	11.63	0.3	1.80	87	200
1431	11.22	8.07	0.627	11.70	1.0	0.50	24	200
1433	11.22	8.08	0.632	11.56	1.4	0.04	7	200
1435	11.22	8.08	0.633	11.40	1.7	0.00	-7	200
1437	11.22	8.06	0.634	11.46	1.4	0.00	-8	200
1439	11.22	8.07	0.634	11.37	1.4	0.00	-9	200

Sample Time: 1441 Sample ID: LF6VM1850QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW

Location and Site Code (SITEID): Landfill 6

Well No. (LOCID): WL-LF6VMW-19 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/18/12 Weather: cloudy 80°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

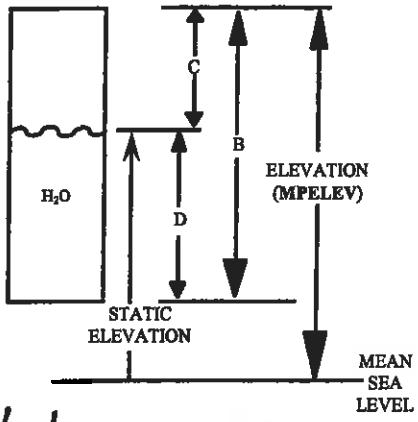
Measured Water Level Depth (C) (STATDEP) 8.95 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 26

Depth during Purging/Sampling: 8.95 - 8.99 ft (provide range)

Comments (re: Depth during purging/sampling): [redacted]



Purge Date and Method: BLADDER PUMP 6/18/12

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): Remove 972 mL H_2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1327	8.95	7.72	0.495	12.02	0.9	4.14	186	250
1329	8.95	7.71	0.508	11.94	0.2	3.38	188	250
1331	8.95	7.71	0.506	11.83	0.0	3.08	189	250
1333	8.95	7.74	0.506	11.64	0.3	2.87	186	250
1335	8.95	7.74	0.511	11.63	0.5	2.77	190	250
1337	8.95	7.80	0.511	11.54	0.4	2.70	188	250
1339	8.95	7.78	0.512	11.39	0.4	2.65	186	250

Sample Time: 1341 Sample ID: LF6VM1926QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW

Location and Site Code (SITEID): LF6

Well No. (LOCID): WL-LF6VMW-20 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6-18-12 Weather: Cloudy 80°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) 10.91 ft. (optional)

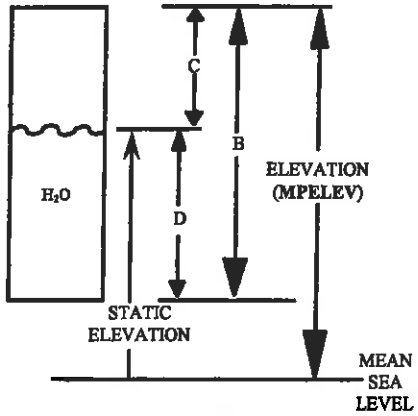
Measured Water Level Depth (C) (STATDEP) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 68

Depth during Purging/Sampling: 10.91-10.98 ft (provide range)

Comments (re: Depth during purging/sampling): [redacted]



Purge Date and Method: BLADDER PUMP 6/18/12

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): Remove 1,896 mL H_2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1205	10.91	6.96	0.539	12.90	31.9	6.29	222	200
1207	10.91	7.08	0.541	12.66	24.2	6.13	213	200
1209	10.91	7.11	0.545	12.46	19.7	6.09	205	200
1211	10.91	7.37	0.547	12.49	15.9	6.03	183	200
1213	10.91	7.50	0.550	12.36	15.9	6.03	170	200
1215	10.91	7.50	0.551	12.26	18.5	6.01	148	200
1217	10.91	7.71	0.552	12.32	19.0	6.02	142	200
1219	10.91	7.74	0.553	12.28	21.0	6.00	139	200
1221	10.91	7.79	0.553	12.24	20.9	6.01	132	200

Sample Time: 1223 Sample ID: LF6VM-206BQA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-61 Sampled by: JW

Location and Site Code (SITEID): LF 6

Well No. (LOCID): WL-LF6VMW-21 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/18/12 Weather: Sun 80°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

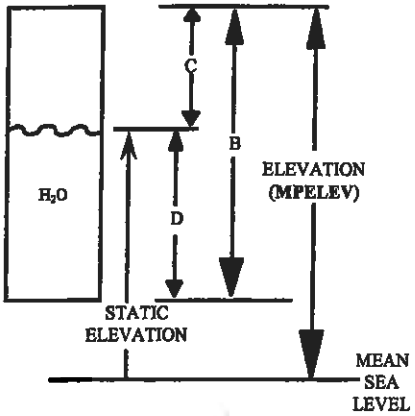
Measured Water Level Depth (C) (STATDEP) 42.91 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 75

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): 42.91 - 43.00



Purge Date and Method: BLADDER PUMP 6/18/12

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): Remove 2,050 mL H_2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1033	42.91	7.78	0.165	14.03	14.1	5.37	174	250
1035	42.91	7.99	0.163	13.81	17.3	5.51	167	250
1037	42.91	8.00	0.162	13.74	19.8	5.30	167	250
1039	42.91	8.12	0.161	13.72	22.3	5.30	166	250
1041	42.91	8.12	0.161	13.76	22.7	5.28	162	250
1043	42.91	8.14	0.161	13.67	22.9	5.24	163	250

Sample Time: 1045 Sample ID: LF6VMW175QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: KM/MG

Location and Site Code (SITEID): Landfill 6

Well No. (LOCID): LF6VMW-22 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/18/12 Weather: cloudy / 75°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

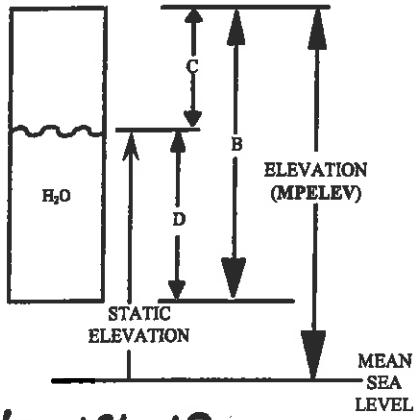
Measured Water Level Depth (C) (STATDEP) 14.15 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 35

Depth during Purging/Sampling: 14.15 - 14.2 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / 6.18.12

Physical Appearance/Comments: clear / no odor

~~Dissolved Ferrous Iron (mg/L):~~ min purge vol = 1170mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1250	14.15	6.83	0.249	12.17	0.6	3.67	234	200
1252	14.15	6.83	0.256	11.87	0.0	3.59	235	200
1254	14.15	6.82	0.261	12.07	0.5	3.68	235	200
1256	14.15	6.77	0.270	12.04	0.5	3.44	236	200
1258	14.15	6.77	0.273	11.85	0.7	3.39	236	200
1300	14.15	6.77	0.276	11.84	0.3	3.38	237	200

Sample Time: 1305 Sample ID: LF6VM2235QA /C

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: 01 09 (rental)

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/18/12	4.00	3.90	4.00	4.01	0109 - model
6/19/12	4.00	4.00			0109 - model #
6/20	4.00	4.00			" "
6/21	4.00	4.00			↓
6/22	4.00	4.00			

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: V-52

Model Number: 15304 (rental)

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/18/2	4.00	4.00			15304 - model
6/19	4.00	4.00			" " "
6/20	4.00	4.00			
6/21	4.00	3.99	4.00		
6/25	4.00	4.00			
6/26	4.00	3.99	4.00	4.01	

Daily Health and Safety Meeting Form

Date: 6/18/12 *Time Start:* 0845

Time End: 0900

Location: FPM Remediations office

Weather Conditions: sun / 80°

Meeting Type: Daily Health & Safety

Personnel Present: Josh Wenzel, ~~SS~~ Katrina Mattice, Mark Grifasi

Visitors Present: —

Visitor Training: —

PPE Required: Modified D, sunscreen, bugspray

Possible risks, injuries, concerns: Biological, sun+heat exposure, slip/trip/fall

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented): NONE

Daily Health and Safety Meeting Form (Page 2)

Property Damage: _____

NONE

Description (include sequence of events describing step by step how incident happened):

NONE

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO and FOM, approved by PM, and implemented by SSHO):

NONE

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety & Health Officer

Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014 Date: 6/19/12

Project Name/Site Number: Griffiss Landfill Areas of Concern LTM sampling (LF009- Landfill 6)

Weather conditions: Average temperature: 84 Average Barometric reading: 29.82
Wind speed and direction: W, 5 mph
Significant wind changes: none

General description of tasks completed: Low flow sampling at LF009 – Landfill 6 (LF6MW-1, 775VMW-10, -18R, -20R, LF6VMW-24 and -25, TMCMW-9)

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None

---

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

---

Corrective actions taken or instructions obtained from AFCEE/USACE personnel: No corrective actions necessary.

Sampling shipment completed: √ Yes □ No Test America Courier.

DCQCR Prepared by: Josh Wenzel, FPM, Technical Lead Date: June 19, 2012

CQCC Signature: Concordia van Hessen Date: 6/22/12

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs).
	✓ Daily Health and Safety Meeting Form

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _279 _ Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB LF6 LTM Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations, Inc. 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America Inc. courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40 mL vials (HCl)	Hardness note 2 250 mL poly (HNO_3)	Anions, TDS, color, Alkalinity note 4 500 mL poly	NH3, COD, TKN, note 5 500 mL poly (H_2SO_4)	TOC note 6 250 mL amber (H_2SO_4)	BOD Note 7 1 L Poly	Comments
LF6M0168QA	LF6MW-1	6/19	1523	WG	LF	N	0/0	5	--	1	1	1	1	1	
LF6M0168QC	LF6MW-1	6/19	1523	WG	LF	FD	0/0	5	--	1	1	1	1	1	
LF6M0168QS	LF6MW-1	6/19	1523	WG	LF	MS	0/0	5	--	1	1	1	1	1	
LF6M0168QD	LF6MW-1	6/19	1523	WG	LF	SD	0/0	5	--	1	1	1	1	1	
775VM1095QA	775VMW-10	6/19	1139	WG	LF	N	0/0	8	3	1	1	1	1	1	
775VM18R90QA	775VMW-18R	6/19	1049	WG	LF	N	0/0	5	--	1	1	1	1	1	
775VM20R110QA	775VMW-20R	6/19	1407	WG	LF	N	0/0	5	--	1	1	1	1	1	
LF6VM24499QA	WL-LF6VMW-24	6/19	1532	WG	LF	N	0/0	8	3	1	1	1	1	1	
LF6VM2544QA	WL-LF6VMW-25	6/19	1144	WG	LF	N	0/0	8	3	1	1	1	1	1	
TMCM0919QA	TMCMW-9	6/19	1248	WG	LF	N	0/0	8	3	1	1	1	1	1	
061912QE	FIELDQC	6/19	1251	WQ	LF	EB	0/0	8	3	1	1	1	1	1	
061912QF	FIELDQC	6/19	1325	WQ	NA	AB	0/0	3	3	-	-	-	-	-	
061912QR	FIELDQC	6/19	0845	WQ	NA	TB	0/0	2	2	-	-	-	-	-	

Sample Condition Upon Receipt at Laboratory:	Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 List + NYS Part 360 Baseline Parameters.
Note 2: Hardness: SM2340B.
Note 3: Phenols: SW9065.
Note 4: Anions: SW9056, TDS: SM2540C, Color: 110.2, Alkalinity: SM2320B.
Note 5: NH3: 350.1, COD: 410.4, TKN: 351.2.
Note 6: TOC: SW9060.
Note 7: BOD: 405.1.
Note 9: Cyanide: SW9012.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 6/19/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Remediations Inc.	Time: 1646	Company Name:	Time:
#1 Received by: (Sig)	Date: :	#2 Received by: (Sig) RENGLISH	Date: 06-19-12	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations, Inc.	Time:	Company Name: TA SyR	Time: 16:46	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JOJW/SN

Location and Site Code (SITEID): LF6

Well No. (LOCID): LF6MW-1 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/19/12 Weather: sun/90°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

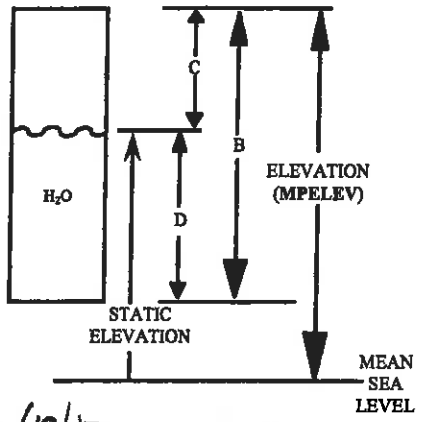
Measured Water Level Depth (C) (STATDEP) 62.72 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 68

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/19/12

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): Remove 1,896 mL H_2O prior to reading

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1506	62.72	6.72	3.97	15.19	15.8	4.93	-50	150
1509	62.72	6.83	4.16	14.88	8.0	5.00	-53	150
1512	62.72	6.96	4.24	14.65	4.7	5.08	-51	150
1515	62.72	7.05	4.27	14.72	2.4	5.08	-48	150
1518	62.72	7.08	4.30	14.52	1.8	5.08	-46	150
1521	62.72	7.11	4.29	14.69	1.5	5.09	-44	150

Sample Time: 1523 Sample ID: LF6M0168QA/C/S/D

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JP/JW

Location and Site Code (SITEID): LF6

Well No. (LOCID): 775VMW-10 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/19/12 Weather: Sun/85°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

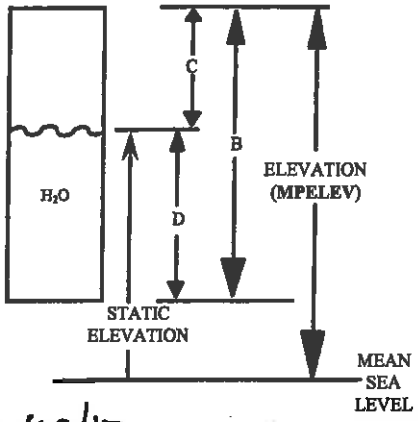
Measured Water Level Depth (C) (STATDEP) 59.80 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 95

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/19/12

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): Remove 2,490 mL H_2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1128	59.80	7.62	0.603	20.79	0.0	[illegible] 5.51	181	225
1130	59.80	7.60	0.565	20.65	0.0	[illegible] 5.57	183	225
1132	59.80	7.58	0.588	20.33	0.0	[illegible] 5.48	179	225
1134	59.80	7.51	0.584	20.15	0.0	5.42	175	225
1136	59.80	7.54	0.581	20.22	0.0	5.24	176	225

Sample Time: 1139 Sample ID: 775VM1095QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JP/JW/SN

Location and Site Code (SITEID): LF6

Well No. (LOCID): 775VMW-18R Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/19/17 Weather: sun / 90°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

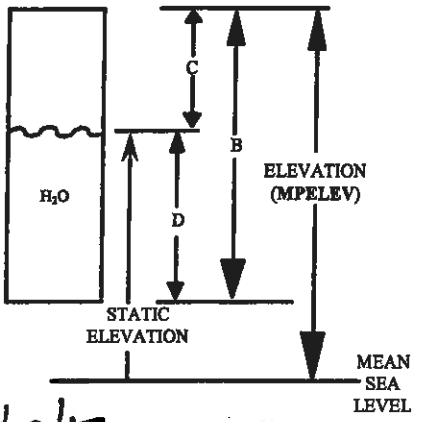
Measured Water Level Depth (C) (STATDEP) 52.62 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 90ft.

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/19/17

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): Remove 2,390 mL H_2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1034	52.11	6.93	1.74	15.34	0.0	68.8	203	200
1036	52.11	7.03	1.73	15.29	0.7	67.2	200	200
1038	52.11	7.09	1.72	15.26	1.1	60.5	197	200
1040	52.11	7.16	1.70	15.33	1.8	62.2	194	200
1042	52.11	7.21	1.69	15.38	2.9	59.6	192	200
1044	52.11	7.23	1.68	15.55	3.3	61.3	191	200
1046	52.11	7.27	1.68	15.50	3.3	59.3	190	200

Sample Time: 1049 Sample ID: 775VM18R90QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JP/JW/SN

Location and Site Code (SITEID): LF6

Well No. (LOCID): 775VMW-20R Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/19/12 Weather: Sun/ 85°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

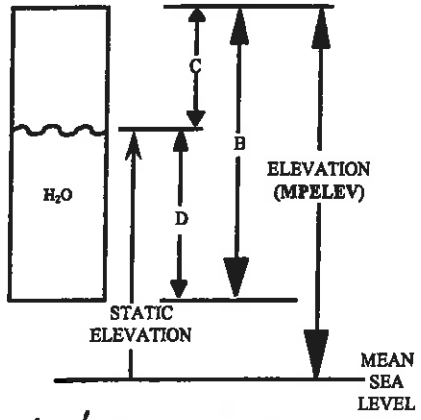
Measured Water Level Depth (C) (STATDEP) 64.72 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 110

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/19/12

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): Remove 2,820 mL H_2O prior to readings.

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1350	64.77	7.65	0.490	16.08	0.0	0.0	-56	150
1353	64.77	7.60	0.498	16.02	0.0	0.0	-66	150
1356	64.77	7.69	0.489	16.07	0.0	0.0	-83	150
1359	64.77	7.66	0.486	16.65	0.0	0.0	-88	150
[illegible]1402	64.77	7.68	0.475	16.68	0.0	0.0	-96	150
1405	64.77	7.64	0.476	17.38	0.0	0.0	-97	150

Sample Time: 1407 Sample ID: 775VMW20R 1106 QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 LFG Sampled by: KM/MG

Location and Site Code (SITEID): LF6

Well No. (LOCID): LF6VMW-24 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6.19.12 Weather: sun / 90°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

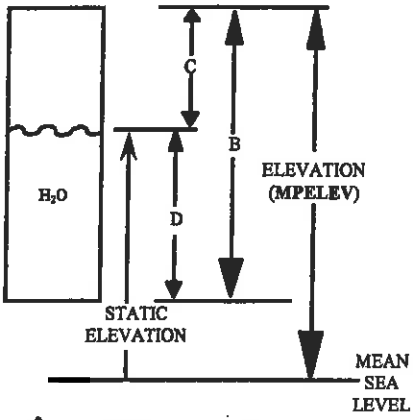
Measured Water Level Depth (C) (STATDEP) 12.22 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 49

Depth during Purging/Sampling: 12.22 - 12.25 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / 6.19.12

Physical Appearance/Comments: clear / sulfur odor

~~Dissolved Ferrous Iron (mg/L):~~ min purge vol = 1,478mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1518	12.22	7.81	0.817	14.66	0.0	4.90	47	250
1520	12.22	7.75	0.842	14.04	0.0	0.29	-6	250
1522	12.22	7.65	0.893	13.86	0.0	0.00	-61	250
1524	12.22	7.59	0.921	13.32	0.0	0.00	-92	250
1526	12.22	7.58	0.921	13.32	0.0	0.00	-94	250
1528	12.22	7.56	0.928	13.31	0.0	0.00	-96	250

Sample Time: 1532 Sample ID: LF6VM2449QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 LFG Sampled by: KM/MG

Location and Site Code (SITEID): Landfill 6

Well No. (LOCID): LFGMW-25 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/19/12 Weather: Sun / 80°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

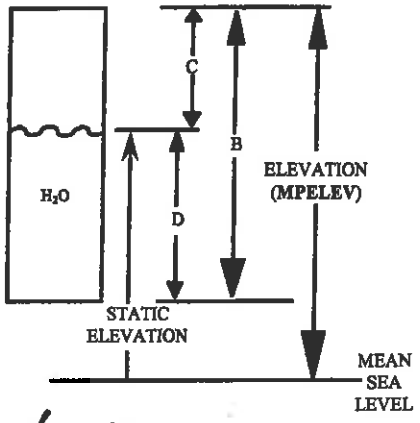
Measured Water Level Depth (C) (STATDEP) 3.29 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 44

Depth during Purging/Sampling: 3.29-3.4 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / 6.19.12

Physical Appearance/Comments: clear / no odor

~~Dissolved Ferrous Iron (mg/L):~~ min purge vol = 1,368 mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1122	3.29	6.63	0.482	13.02	0.0	0.00	197	250
1124	3.29	6.64	0.486	12.85	0.0	0.00	187	250
1126	3.29	6.63	0.488	12.95	0.0	0.00	187	250
1128	3.29	6.63	0.488	13.00	0.0	0.00	174	250
1130	3.29	6.63	0.488	12.98	0.0	0.00	166	250
1132	3.29	6.65	0.488	12.83	0.0	0.00	156	250
1134	3.29	6.65	0.487	12.80	0.0	0.00	143	250
1136	3.29	6.65	0.487	12.89	0.0	0.00	150	250
1138	3.29	6.67	0.486	12.72	0.0	0.00	129	250
1140	3.29	6.66	0.486	12.78	0.0	0.00	125	250

Sample Time: 1144 Sample ID: LFGMW2544QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 LFG Sampled by: KM/MG

Location and Site Code (SITEID): Landfill 6

Well No. (LOCID): TMCMW-9 Well Diameter (SDIAM): 3"

Date (LOGDATE): 6/19/12 Weather: Sun

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

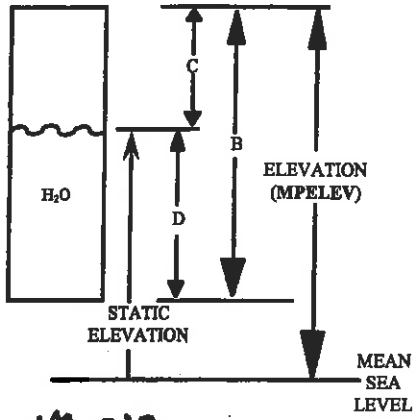
Measured Water Level Depth (C) (STATDEP) 2.67 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 19

Depth during Purging/Sampling: 2.97-2.98 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / 6-19-12

Physical Appearance/Comments: clear / no odor

~~Dissolved Ferrous Iron (mg/L)~~: min purge vol = 818 mL

FIELD MEASUREMENTS: * poor recharge

	Allowable Range:	± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1230	2.97	6.86	0.728	16.83	0.0	4.87	211	100
1234	2.97	6.84	0.737	17.94	0.0	2.32	212	100
1238	2.97	6.84	0.735	17.83	0.0	2.47	212	100
1242	2.97	6.85	0.733	17.88	0.0	2.70	214	100
1244	2.97	6.86	0.737	18.03	0.0	2.62	215	100

Sample Time: 1248 Sample ID: TMCM0919QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: 15304 (rental)

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/18/12	4.00	4.00			15304 - model
6/19	4.00	4.00			" "
6/20	4.00	4.00			
6/21	4.00	3.99	4.00		
6/25	4.00	4.00			
6/26	4.00	3.99	4.00	4.01	

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: 01 09 (rental)

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/18/12	4.00	3.90	4.00	4.01	0109 - model
6/19/12	4.00	4.00			0109 - model #
6/20	4.00	4.00			" "
6/21	4.00	4.00			↓
6/22	4.00	4.00			

Daily Health and Safety Meeting Form

Date: 6/19/12 *Time Start:* 0830

Time End: 0845

Location: FPM Remediations office

Weather Conditions: sun 85°

Meeting Type: Daily Health & Safety

Personnel Present: Josh Wenzel, Jake Pratt, Spencer Noyes, Katrina Mattice, Mark Grifasi

Visitors Present: —

Visitor Training: —

PPE Required: Modified D, sunscreen, bug spray

Possible risks, injuries, concerns: Biological, sun/heat exposure, slip/trip/fall

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NONE

Daily Health and Safety Meeting Form (Page 2)

Property Damage: _____

NONE

Description (include sequence of events describing step by step how incident happened):

NONE

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO and FOM, approved by PM, and implemented by SSHO):

NONE

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety & Health Officer

Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014 Date: 6/20/12

Project Name/Site Number: Griffiss Landfill Areas of Concern LTM sampling (LF009- Landfill 6)

Weather conditions: Average temperature: 82 Average Barometric reading: 29.85
Wind speed and direction: W, 8 mph
Significant wind changes: none

General description of tasks completed: Low flow sampling at LF009 – Landfill 6 (LF6MW-12, LF6VMW-17D, -17S, -23, -26 and TMC-USGS-2). Surface Water Sampling (LF6SW-3, and LF6WT-1)

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: There was no water at wetland sampling location LF6WT-1. Bailer sampling was performed at LF6VMW-17S as water level was below the top of bladder pump.

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

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Corrective actions taken or instructions obtained from AFCEE/USACE personnel: No corrective actions necessary.

Sampling shipment completed: √ Yes □ No Test America Courier.

DCQCR Prepared by: Josh Wenzel, FPM, Technical Lead Date: June 20, 2012

CQCC Signature: Concetta Whitford Date: 6/24/12

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs).
	✓ Daily Health and Safety Meeting Form

AFCEE
CHAIN OF CUSTODY RECORD

279/280

COC#: _1_ SDG#: _ _ Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB LF6 LTM Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations, Inc. 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America Inc. courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40 mL vials (HCl)	Hardness note 2 250 mL poly (HNO_3)	Anions, TDS, color, Alkalinity note 4 500 mL poly	NH3, COD, TKN, note 5 500 mL poly (H_2SO_4)	TOC note 6 250 mL amber (H_2SO_4)	BOD Note 7 1 L Poly	Comments
LF6M1246QA	LF6MW-12	6/20	1130	WG	LF	N	0/0	8	3	1	1	1	1	1	
LF6VM17D48QA	WL-LF6VMW-17D	6/20	1405	WG	LF	N	0/0	5	--	1	1	1	1	1	
LF6VM17S15QA	WL-LF6VMW-17S	6/20	1557	WG	LF	N	0/0	5	--	1	1	1	1	1	
LF6VM2348QA	WL-LF6VMW-23	6/20	1457	WG	LF	N	0/0	8	3	1	1	1	1	1	
LF6VM2650QA	WL-LF6VMW-26	6/20	1436	WG	LF	N	0/0	8	3	1	1	1	1	1	
LF6VM2650QC	WL-LF6VMW-26	6/20	1436	WG	LF	FD	0/0	8	3	1	1	1	1	1	
TMCUM0227QA	TMC-USGS-2	6/20	1115	WG	LF	N	0/0	5	--	1	1	1	1	1	
LF6SW0301QA	RV-LF6SW-3	6/20	1546	WS	G	N	0/0	8	3	1	1	1	1	1	
LF6WT0101QA	WT-LF6WT-1	-	-	WG	G	N	0/0	8	3	1	1	1	1	1	No Water at this loc.
062012QE	FIELDQC	6/20	1615	WQ	LF	EB	0/0	8	3	1	1	1	1	1	
0620 12QF	FIELDQC	6/20	1601	WQ	NA	AB	0/0	3	3	-	-	-	-	-	
062012QR	FIELDQC	6/20	0915	WQ	NA	TB	0/0	2	2	-	-	-	-	-	

Sample Condition Upon Receipt at Laboratory:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters) Cooler temperature:

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 List + NYS Part 360 Baseline Parameters.
Note 2: Hardness: SM2340B.
Note 3: Phenols: SW9065.
Note 4: Anions: SW9056, TDS: SM2540C, Color: 110.2, Alkalinity: SM2320B.
Note 5: NH3: 350.1, COD: 410.4, TKN: 351.2.
Note 6: TOC: SW9060.
Note 7: BOD: 405.1.
Note 9: Cyanide: SW9012.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 6/20/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Remediations Inc.	Time: 1645	Company Name:	Time:
#1 Received by: (Sig)	Date: :	#2 Received by: (Sig) REMG USG	Date: 06-20-12	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations, Inc.	Time:	Company Name: TA Syr	Time: 16:45	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 LF6 Sampled by: KM/MG

Location and Site Code (SITEID): LF6

Well No. (LOCID): LF6MW-12 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/20/12 Weather: sun / 90°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

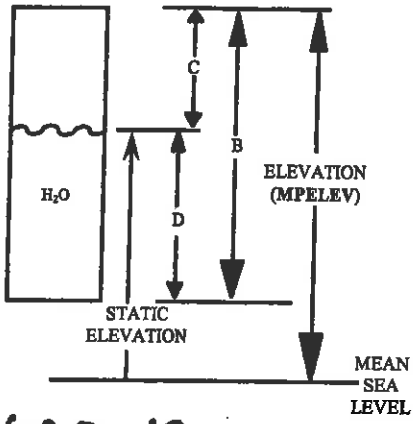
Measured Water Level Depth (C) (STATDEP) 4.32 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 46

Depth during Purging/Sampling: 4.32 - 4.5 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / 6.20.12

Physical Appearance/Comments: clear / strong sulfur odor

~~Dissolved Ferrous Iron (mg/L)~~: min purge vol = 1,412 mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1115	4.32	6.39	0.630	13.10	6.7	0.00	-246	250
1117	4.32	6.40	0.630	13.30	10.8	0.00	-250	250
1119	4.32	6.40	0.634	13.04	12.0	0.00	-254	250
1121	4.32	6.40	0.634	13.00	13.6	0.00	-254	250
1123	4.32	6.38	0.636	13.16	3.4	0.00	-259	250
1124	4.32	6.37	0.637	13.07	3.8	0.00	-262	250
1126	4.32	6.36	0.640	13.11	4.5	0.00	-263	250

Sample Time: 1130 Sample ID: LF6M12460A

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JP/JW/SN

Location and Site Code (SITEID): LF6

Well No. (LOCID): WL-LF6VM-17D Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/20/12 Weather: Sun/85°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

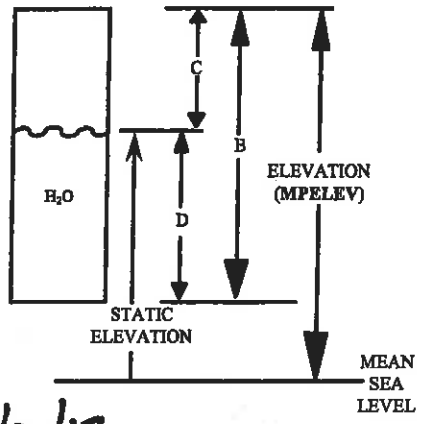
Measured Water Level Depth (C) (STATDEP) 12.58 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 48

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/20/12

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): Remove 1,456 mL H_2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1348	12.58	7.89	0.150	14.73	0.0	5.70	170	125
1352	12.58	7.92	0.146	14.16	0.0	5.45	175	125
1356	12.58	7.89	0.147	13.77	0.0	5.14	177	125
1400	12.58	7.82	0.147	13.61	0.0	5.16	179	125
1404	12.58	7.88	0.147	13.70	0.0	4.99	179	125

Sample Time: 1405 Sample ID: LF6VM17D48QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 1015-11-01 Sampled by: JP/JW/SN

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): WL LF6VMW-17S Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 6/20/12 Weather: sun/85°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

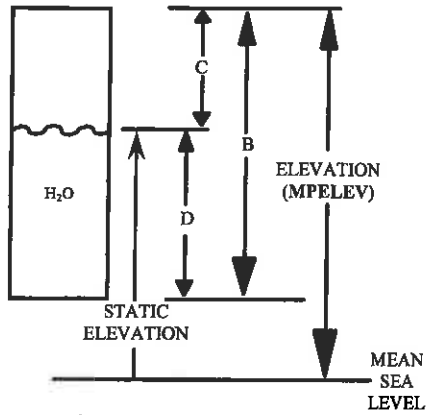
Measured Well Depth (B) (**TOTDEPTH**) 17.45 ft.

Measured Water Level Depth (C) (**STATDEP**) 11.41 ft.

Length of Static Water Column (D) = (B) 17.45 - (C) 11.41 = (D) 6.04 ft.

Casing Water Volume (E) = (A) 6.04 x (D) .16 = .964 gal

Minimum Purge Volume = 2.89 gal (3 well volumes)



Purge Date and Method: Bailer / 6/20/12

Physical Appearance/Comments: cloudy, no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1549	.75	6.90	0.058	12.48	204	8.50	193
1551	1.50	6.29	0.051	11.77	194	5.99	236
1553	2.25	5.95	0.051	11.30	133	4.75	266
1554	3.00	5.63	0.050	10.90	106	4.71	291
1555	3.75	5.33	0.050	10.70	163	5.78	302
1555	4.25	5.32	0.049	10.60	168	5.87	311
1556	5.00	5.25	0.049	10.51	49.0	5.02	311

Sample Time: 1557 Sample ID: LF6VM17S15QA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JP/JW/SN

Location and Site Code (SITEID): LF6

Well No. (LOCID): WL-LF6VMW-23 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/20/12 Weather: Sun/85°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

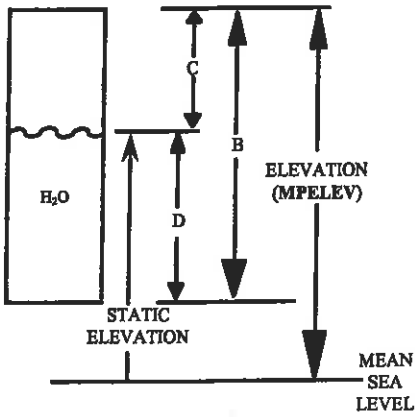
Measured Water Level Depth (C) (STATDEP) 16.07 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 48

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/20/12

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): Remove 730 mL H_2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1447	16.07	7.00	0.397	13.77	1.4	5.85	205	200
1449	16.07	7.04	0.439	13.81	0.4	4.41	206	200
1451	16.07	7.07	0.458	13.65	0.1	3.85	202	200
1453	16.07	7.02	0.464	13.88	0.3	3.79	205	200
1455	16.07	7.03	0.468	13.84	0.4	3.70	208	200

Sample Time: 1457 Sample ID: LF6VM2348QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 LFs Sampled by: km/mG

Location and Site Code (SITEID): LF6

Well No. (LOCID): LF6VMW-26 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/20/12 Weather: sun 190° F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

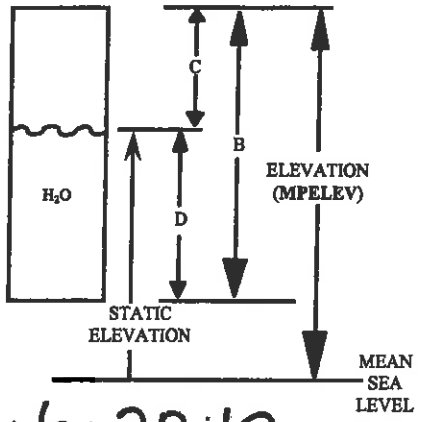
Measured Water Level Depth (C) (STATDEP) 5.12 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 50

Depth during Purging/Sampling: 5.12 - 5.25 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 1.6.20.12

Physical Appearance/Comments: clear / no odor

~~Dissolved Ferrous Iron (mg/L)~~: min purge vol = 1,500 mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1420	5.12	7.42	0.682	13.31	0.0	0.00	-37	225
1422	5.12	7.42	0.682	13.14	0.0	0.00	-35	225
1424	5.12	7.40	0.684	13.05	0.0	0.00	-35	225
1426	5.12	7.41	0.687	13.06	0.0	0.00	-35	225
1428	5.12	7.40	0.686	13.08	0.0	3.39	-35	225
1430	5.12	7.39	0.683	13.14	0.0	3.38	-36	225
1432	5.12	7.40	0.684	13.11	0.0	3.21	-38	225

Sample Time: ~~1432~~ 1436 km Sample ID: LF6VM2650QA/C

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JP/JW/SN

Location and Site Code (SITEID): LF6

Well No. (LOCID): TMC-US65-2 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/20/12 Weather: Sun/80°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

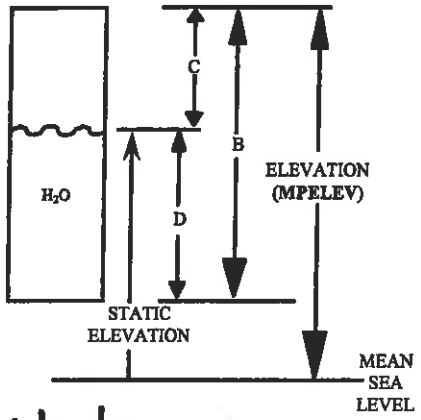
Measured Water Level Depth (C) (STATDEP) 4.54 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 27

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/20/12

Physical Appearance/Comments: Very poor recharge / cloudy / no odor

Dissolved Ferrous Iron (mg/L): Remove 994 mL H_2O prior to readings.

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1016	6.32	6.91	0.313	17.75	257	3.53	183	100
1020	6.66	7.29	0.275	19.43	260	2.93	175	100
1024	7.01	7.57	0.265	19.61	233	2.94	172	100
1028	7.36	7.72	0.255	19.78	207	2.92	160	100
1032	7.70	7.73	0.261	19.44	180	3.05	169	100
1036	7.85	7.74	0.268	18.58	155	3.00	154	100
1040	8.14	7.79	0.268	18.79	138	2.83	152	100
1044	8.52	7.77	0.267	18.20	120	2.76	155	100
1048	8.81	7.77	0.264	18.03	110	2.64	154	100
1052	9.00	7.87	0.270	18.97	103	2.25	169	100
1056	9.23	7.72	0.267	18.97	103	2.20	151	100

Sample Time: _____ Sample ID: TMCUM0227QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JP/JW/SN

Location and Site Code (SITEID): LF6

Well No. (LOCID): TMC-VSES-2 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/26/12 Weather: Sun 80°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

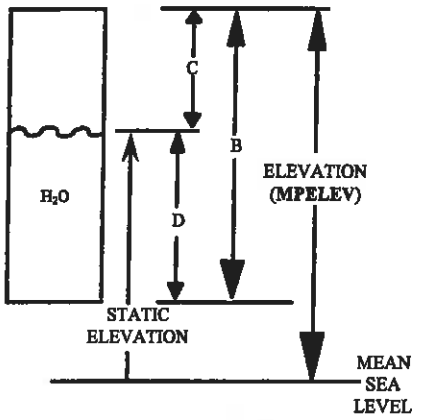
Measured Water Level Depth (C) (STATDEP) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): _____

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: _____

Dissolved Ferrous Iron (mg/L): _____

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1100	9.45	7.82	0.271	19.30	102	2.32	165	100
1104	9.58	7.85	0.270	18.68	97.5	1.98	165	100
1108	9.58	7.82	0.275	19.52	98.5	1.93	167	100
1112	9.58	7.83	0.274	20.58	96.7	1.94	166	100

Sample Time: 1115 Sample ID: TMCUM0227QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 1015-11-01 LFS Sampled by: KM/MG

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): LF6SW-3 Well Diameter (**SDIAM**): —

Date (**LOGDATE**): 6/20/12 Weather: Sun / 90°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

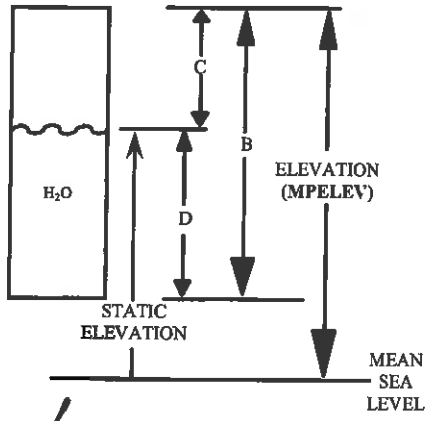
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: 6-20-12 / Grab

Physical Appearance/Comments: clear / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1540	X	7.57	0.687	25.73	4.6	7.22	97

Sample Time: 1546 Sample ID: LF6SW0301 QA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: 01 09 (rental)

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/18/12	4.00	3.90	4.00	4.01	0109 - model
6/19/12	4.00	4.00			0109 - model #
6/20	4.00	4.00			" "
6/21	4.00	4.00			↓
6/22	4.00	4.00			

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: 15304 (rental)

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/18/12	4.00	4.00			15304 - model
6/19	4.00	4.00			" "
6/20	4.00	4.00			
6/21	4.00	3.99	4.00		
6/25	4.00	4.00			
6/26	4.00	3.99	4.00	4.01	

Daily Health and Safety Meeting Form

Date: 6/20/12 *Time Start:* 0900

Time End: 0915

Location: FPM Remediations office

Weather Conditions: sun 80°

Meeting Type: Daily Health & Safety Meeting

Personnel Present: Josh Wenzel, Jake Ftatt, Spencer Noyes, Katrina Mattice, Mark Grifasi

Visitors Present: —

Visitor Training: —

PPE Required: Modified D, sunscreen, bug spray

Possible risks, injuries, concerns: Biological, sun/heat exposure, slip/trip/fall, thunder storms

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NONE

Daily Health and Safety Meeting Form (Page 2)

Property Damage: NONE

Description (include sequence of events describing step by step how incident happened): NONE

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO and FOM, approved by PM, and implemented by SSHO): NONE

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety & Health Officer

Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014 Date: 6/21/12

Project Name/Site Number: Griffiss Landfill Areas of Concern LTM sampling (LF001- Landfill 1 and LF009- Landfill 6)

Weather conditions: Average temperature: 70 Average Barometric reading: 29.99
Wind speed and direction: W, 1.2 mph
Significant wind changes: none

General description of tasks completed: Low flow sampling at LF001 – Landfill 1 (LF1P-2 and -3, LF1MW-11 and -13) LF009 – Landfill 6 Surface Water Sampling (LF6SW-1 and -2, LF6LH-1 and -2)

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None

---

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

---

Corrective actions taken or instructions obtained from AFCEE/USACE personnel: No corrective actions necessary.

Sampling shipment completed: √ Yes □ No Test America Courier.

DCQCR Prepared by: Josh Wenzel, FPM, Technical Lead Date: June 21, 2012

CQCC Signature: Amanda van Hoesen Date: 6/24/12

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs).
	✓ Daily Health and Safety Meeting Form

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: 280_ Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB LF1 LTM Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations, Inc. 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America Inc. courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note1 40mL vials (HCl)	Hardness note 2 250 mL poly (HNO_3)	Anions, TDS, color, Alkalinity note 6 500 mL poly	NH3, COD, TKN note7 500 mL poly (H_2SO_4)	TOC note8 250 mL amber (H_2SO_4)	BOD, note 10 1 L poly	Comments
LF1P0213UA	LF1P-2	6/21	1149	WG	LF	N	0/0	8	3	1	1	1	1	1	
LF1P0317UA	LF1P-3	6/21	1049	WG	LF	N	0/0	5	--	1	1	1	1	1	
LF1M1111UA	WL-LF1MW-11	6/21	1532	WG	LF	N	0/0	8	3	1	1	1	1	1	
LF1M1316UA	WL-LF1MW-13	6/21	1515	WG	LF	N	0/0	5	--	1	1	1	1	1	
LF1M1316UC	WL-LF1MW-13	6/21	1515	WG	LF	FD	0/0	5	--	1	1	1	1	1	
062112UE	FIELDQC	6/21	1615	WQ	LF	EB	0/0	8	3	1	1	1	1	1	
062112UF	FIELDQC	6/21	1201	WQ	NA	AB	0/0	3	3	-	-	-	-	-	
062112UR	FIELDQC	6/21	0815	WQ	NA	TB	0/0	2	2	-	-	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: 8260B AFCEE QAPP 4.0 List + NYS Part 360 Baseline Parameters.

Note 2: Hardness: 130.2.
Note 3: Metals: SW6010 AFCEE QAPP 4.0 List (Dissolved).
Note 4: PCBs: SW8082.
Note 5: Phenols: SW9065.
Note 6: Anions: SW9056, TDS: SM2540C, color: 110.2, Alkalinity: SM2320B.
Note 7: NH3: 350.1, COD: 410.4, TKN: 351.2.
Note 8: TOC: SW9060.
Note 9: Cyanide: SW9012.
Note 10: BOD: 405.1.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 6/21/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Remediations, Inc.	Time: 1635	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig) Reg/Lab	Date: 06-21-12	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations, Inc.	Time:	Company Name: TA Syr	Time: 16:35	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-1-01 Sampled by: JW/SN

Location and Site Code (SITEID): LF1

Well No. (LOCID): LF1P-2 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/21/12 Weather: Sun 80°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

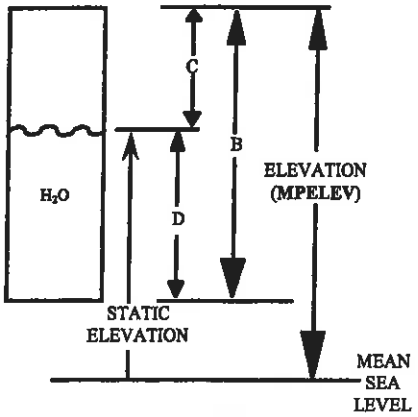
Measured Water Level Depth (C) (STATDEP) 5.51 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 13

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: CLEAR, SLIGHT PETRO ODOR

Dissolved Ferrous Iron (mg/L): Remove 686 mL H_2O before readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1131	5.61	6.72	0.621	15.40	0.0	0.0	-79	100
1135	5.61	6.71	0.624	15.94	0.0	0.0	-81	100
1139	5.61	6.74	0.622	16.23	0.0	0.0	-78	100
1144	5.61	6.74	0.624	16.44	0.0	0.0	-79	100
1149	5.61	6.73	0.625	16.65	0.0	0.0	-80	100

Sample Time: 1149 Sample ID: LF1P0213UA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: SN/SW

Location and Site Code (SITEID): LF1

Well No. (LOCID): LF1P-3 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/21/12 Weather: Sun/80°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

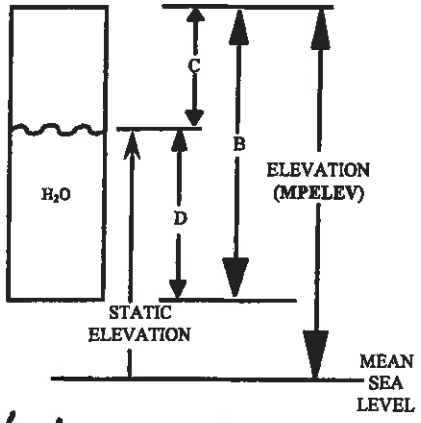
Measured Water Level Depth (C) (STATDEP) 3.89 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 17

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/21/12

Physical Appearance/Comments: clear, sulphur odor

Dissolved Ferrous Iron (mg/L): Remove 774 mL H2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1039	3.89	6.90	0.540	17.57	0.0	0.00	-18	225
1041	3.89	6.91	0.540	12.58	0.0	0.00	-22	225
1043	3.89	6.95	0.541	12.52	0.0	0.00	-23	225
1045	3.89	6.94	0.541	12.55	0.0	0.00	-25	225
1047	3.89	6.95	0.541	12.54	0.0	0.00	-27	225

Sample Time: 1049 Sample ID: LF1P0317ULA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: WAS-11-01 Sampled by: KM/MG

Location and Site Code (SITEID): LF7

Well No. (LOCID): LF1MW-11 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/21/12 Weather: sun / 90°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

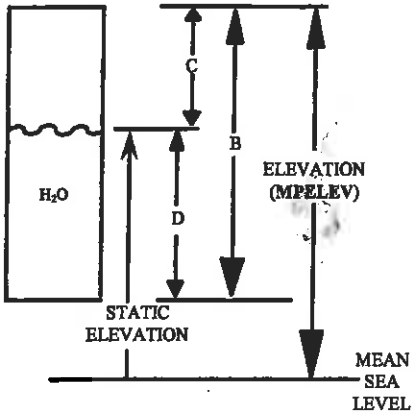
Measured Water Level Depth (C) (STATDEP) 4.07 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 11

Depth during Purging/Sampling: 4.07 - 4.11 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6-21-12

Physical Appearance/Comments: clear / sulfur odor

~~Dissolved Ferrous Iron (mg/L):~~ min purge vol = 642mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1522	4.07	6.35	0.628	12.88	0.0	0.00	-37	250
1524	4.07	6.31	0.633	12.71	0.0	0.00	-38	250
1526	4.07	6.32	0.631	12.56	0.0	0.00	-39	250
1528	4.07	6.30	0.635	12.25	0.0	0.00	-39	250

Sample Time: 1532 Sample ID: LF1MW11WA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SM

Location and Site Code (SITEID): LF1

Well No. (LOCID): WL-LF1MW-13 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/21/12 Weather: Sun/90°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

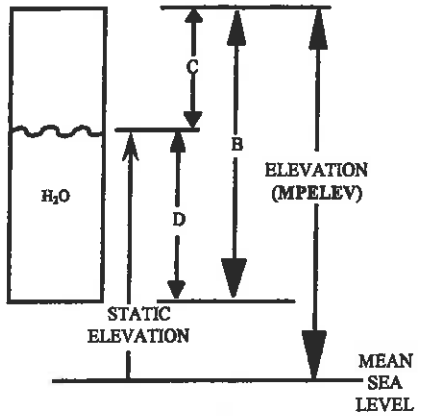
Measured Water Level Depth (C) (STATDEP) 7.35 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 16

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/21/12

Physical Appearance/Comments: cloudy, red (iron), no odor

Dissolved Ferrous Iron (mg/L): Remove >74 mL H_2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1447	7.39	6.54	0.316	14.92	>999	0.01	-50	225
1449	7.39	6.53	0.334	14.70	>999	0.00	-52	225
1451	7.39	6.50	0.346	14.64	763	0.00	-51	225
1453	7.39	6.51	0.344	14.58	566	0.00	-55	225
1455	7.39	6.51	0.349	14.53	421	0.00	-54	225
1457	7.39	6.49	0.351	14.49	315	0.00	-55	225
1459	7.39	6.47	0.351	14.38	250	0.01	-56	225
1501	7.39	6.44	0.356	14.54	178	0.00	-57	225
1503	7.39	6.46	0.355	14.53	157	0.00	-56	225
1505	7.39	6.47	0.355	14.70	144	0.00	-56	225
1507	7.39	6.44	0.359	15.00	120	0.00	-58	225

Sample Time: _____ Sample ID: LF1M1316UA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (SITEID): LF1

Well No. (LOCID): WL-LF1MW-13 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/21/12 Weather: Sun/90°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

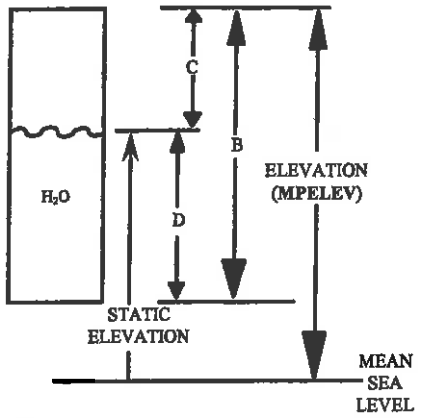
Measured Water Level Depth (C) (STATDEP) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): _____

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: _____

Dissolved Ferrous Iron (mg/L): _____

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1509	7.39	6.46	0.359	14.99	109	0.00	-60	225
1511	7.39	6.46	0.356	14.94	102	0.00	-60	225
1513	7.39	6.44	0.358	14.94	99	0.00	-59	225

Sample Time: 1515 Sample ID: LF1MW13161124/C

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: 279_ Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB LF6 LTM Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations, Inc. 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America Inc. courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40 mL vials (HCl)	Hardness note 2 250 mL poly (HNO_3)	Anions, TDS, color, Alkalinity note 4 500 mL poly	NH3, COD, TKN, note 5 500 mL poly (H_2SO_4)	TOC note 6 250 mL amber (H_2SO_4)	BOD Note 7 1 L Poly	Comments
LF6SW0101QA	RV-LF6SW-1	6/21	1210	WS	G	N	0/0	8	3	1	1	1	1	1	
LF6SW0201QA	RV-LF6SW-2	6/21	1120	WS	G	N	0/0	8	3	1	1	1	1	1	
LF6LH0101QA	RV-LF6LH-1	6/21	1040	WG	G	N	0/0	5	--	1	1	1	1	1	
LF6LH0201QA	RV-LF6LH-2	6/21	1140	WG	G	N	0/0	5	--	1	1	1	1	1	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 List + NYS Part 360 Baseline Parameters.
Note 2: Hardness: SM2340B.
Note 3: Phenols: SW9065.
Note 4: Anions: SW9056, TDS: SM2540C, Color: 110.2, Alkalinity: SM2320B.
Note 5: NH3: 350.1, COD: 410.4, TKN: 351.2.
Note 6: TOC: SW9060.
Note 7: BOD: 405.1.
Note 9: Cyanide: SW9012.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 6/21/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Remediations Inc.	Time: 1635	Company Name:	Time:

#1 Received by: (Sig)	Date: :	#2 Received by: (Sig)	Date: 06-21-12	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations, Inc.	Time:	Company Name: TASQA	Time: 16:35	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

WELL PURGING & SAMPLING FORM

Project: 1015-11-01 LFG Sampled by: KM/MG

Location and Site Code (SITEID): LF6

Well No. (LOCID): LH-1 Well Diameter (SDIAM): —

Date (LOGDATE): 6.21.12 Weather: sun / 90°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

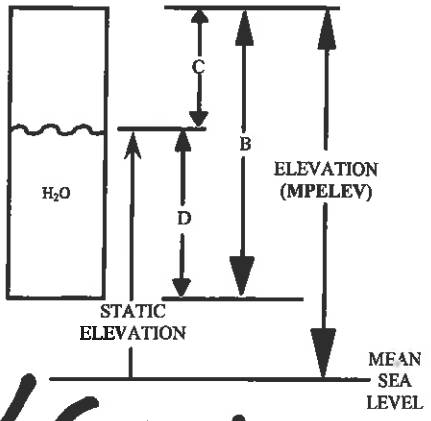
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: Grab / 6.21.12

Physical Appearance/Comments: organic sulfur odor / silty brown

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1038		6.06	0.349	24.69	43.1	3.65	19

Sample Time: 1040 Sample ID: LFGLH0101QA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 105-11-01 Sampled by: km/mc

Location and Site Code (SITEID): _____

Well No. (LOCID): LH-2 Well Diameter (SDIAM): —

Date (LOGDATE): 6.21.12 Weather: Sun / 90°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

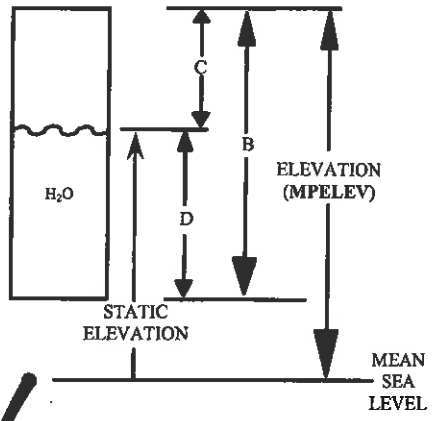
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: Grab / 6.21.12

Physical Appearance/Comments: Organic sulfur odor / cloudy

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1129		6.55	0.212	21.98	15.5	3.19	135

Sample Time: 1140 Sample ID: LF6LH0201QA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 1015-11-01 Sampled by: KM/MG

Location and Site Code (SITEID): _____

Well No. (LOCID): LF6SW-1 Well Diameter (SDIAM): —

Date (LOGDATE): 6.21.12 Weather: Sun / 90F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

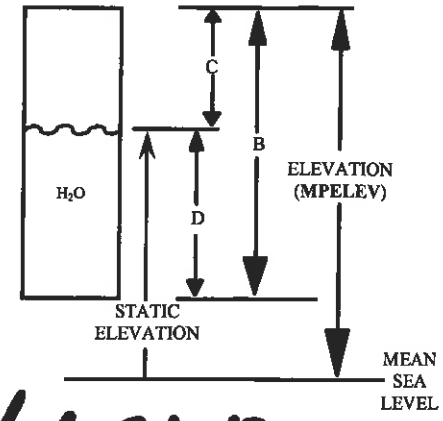
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: Grab / 6.21.12

Physical Appearance/Comments: clear / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1205		7.52	0.718	22.49	4.2	7.01	136

Sample Time: 1210 Sample ID: LF6SW0101QA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 1015-11-01 Sampled by: KM/MG

Location and Site Code (SITEID): LF6

Well No. (LOCID) LF6SW-2 Well Diameter (SDIAM): —

Date (LOGDATE): 6.21.12 Weather: SUN/90°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

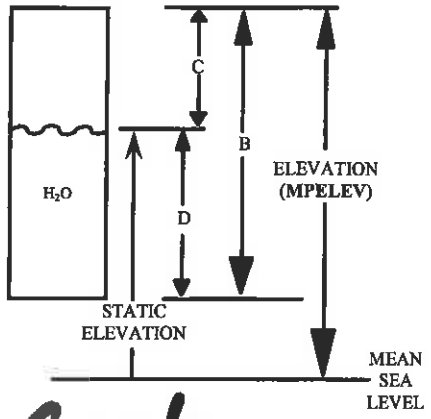
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: 6.21.12 / Grab

Physical Appearance/Comments: clear / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1118		6.99	0.691	23.04	14.9	6.04	145

Sample Time: 1120 Sample ID: LF6SW02012A

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: 0109 (rental)

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/18/12	4.00	3.90	4.00	4.01	0109 - model
6/19/12	4.00	4.00			0109 - model #
6/20	4.00	4.00			" "
6/21	4.00	4.00			↓
6/22	4.00	4.00			

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: 15304 (rental)

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/18/12	4.00	4.00			15304 - model
6/19	4.00	4.00			" "
6/20	4.00	4.00			
6/21	4.00	3.99	4.00		
6/25	4.00	4.00			
6/26	4.00	3.99	4.00	4.01	

Daily Health and Safety Meeting Form

Date: 6/21/12 *Time Start:* 0845

Time End: 0930

Location: FPM Remediations office

Weather Conditions: sun 80°

Meeting Type: Daily Health & Safety

Personnel Present: Josh Wenzel, Spencer Noyes, Katrina Mattice, Mark Grifas;

Visitors Present: —

Visitor Training: —

PPE Required: Modified D, sunscreen, bugspray

Possible risks, injuries, concerns: Biological, sun+heat exposure, slip/trip/fall

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NONE

Daily Health and Safety Meeting Form (Page 2)

Property Damage: _____

NONE

Description (include sequence of events describing step by step how incident happened):

NONE

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO and FOM, approved by PM, and implemented by SSHO):

NONE

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety & Health Officer

Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014 Date: 6/22/12

Project Name/Site Number: Griffiss Landfill Areas of Concern LTM sampling LF009- (Landfill 6)

Weather conditions: Average temperature: 75 Average Barometric reading: 29.87
Wind speed and direction: WNW, 8 mph
Significant wind changes: none

General description of tasks completed: Low flow sampling at LF009 – Landfill 6 (LF6VMW-23)

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: VOCs were resampled at well LF6VMW-23. VOC samples were not received by lab on original sample date (6/20/2012).

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

---

Corrective actions taken or instructions obtained from AFCEE/USACE personnel: No corrective actions necessary.

Sampling shipment completed: √ Yes □ No Test America Courier.

DCQCR Prepared by: Josh Wenzel, FPM, Technical Lead Date: June 22, 2012

CQCC Signature: Concordia Van Hoesen Date: 6/25/12

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs).
	✓ Daily Health and Safety Meeting Form

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: 279_ Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB LF6 LTM Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations, Inc. 584 Phoenix Drive Rome, NY 13441
Carrier: Test America Inc. courier.	Sampler Signature:	Phone: (315) 336-7721 Ext. 207

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40 mL vials (HCl)	Hardness note 2 250 mL poly (HNO_3)	Anions, TDS, color, Alkalinity note 4 500 mL poly	NH3, COD, TKN, note 5 500 mL poly (H_2SO_4)	TOC note 6 250 mL amber (H_2SO_4)	BOD Note 7 1 L Poly	Comments
LFVM2348QA	WL-LF6VMW-23	6/22	1200	WS	G	N	0/0	3	3	-	-	-	-	-	Recollect VOCs

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 List + NYS Part 360 Baseline Parameters.
Note 2: Hardness: SM2340B.
Note 3: Phenols: SW9065.
Note 4: Anions: SW9056, TDS: SM2540C, Color: 110.2, Alkalinity: SM2320B.
Note 5: NH3: 350.1, COD: 410.4, TKN: 351.2.
Note 6: TOC: SW9060.
Note 7: BOD: 405.1.
Note 9: Cyanide: SW9012.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 6/25/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Remediations Inc.	Time: 1640	Company Name:	Time:
#1 Received by: (Sig)	Date: :	#2 Received by: (Sig) RECVD 1516	Date: 06-25-12	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations, Inc.	Time:	Company Name: TA Syr	Time: 16:40	Company Name:	Time:

MATRIX **SMCODE** **SACODE**

WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (SITEID): LF6

Well No. (LOCID): LF6VMW-23 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/22/12 Weather: sun/75°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

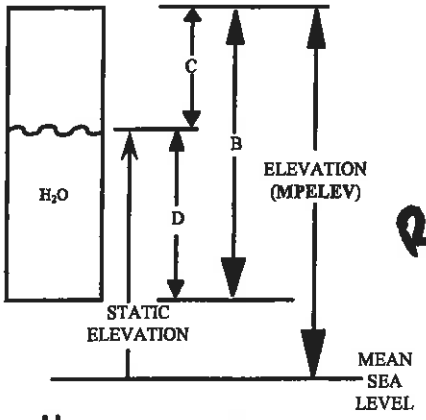
Measured Water Level Depth (C) (STATDEP) 16.10 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 48

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Recollect VOCs only.

Purge Date and Method: BLADDER PUMP 6/22/12

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): Remove 730 mL H2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1150	16.10	7.44	0.385	13.35	3.9	6.10	159	200
1152	16.10	7.41	0.395	13.33	3.8	4.64	163	200
1154	16.10	7.38	0.388	12.97	2.7	3.95	170	200
1156	16.10	7.36	0.380	12.96	1.5	3.80	177	200
1158	16.10	7.33	0.384	12.79	0.6	3.81	179	200

Sample Time: 1200 Sample ID: LF6VM2348QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: 01 09 (rental)

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/18/12	4.00	3.90	4.00	4.01	0109 - model
6/19/12	4.00	4.00			0109 - model #
6/20	4.00	4.00			" "
6/21	4.00	4.00			↓
6/22	4.00	4.00			

Daily Health and Safety Meeting Form

Date: 6/22/12 *Time Start:* 1000

Time End: 1015

Location: FPM Remediations office

Weather Conditions: sun / 120°

Meeting Type: Daily Health & Safety Meeting

Personnel Present: Josh Wenzel, Spencer Noyes

Visitors Present: ~~—~~

Visitor Training: ~~—~~

PPE Required: Modified D, boots,

Possible risks, injuries, concerns: slip/trip/fall, biological,

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NONE

Daily Health and Safety Meeting Form (Page 2)

Property Damage: _____

NONE

Description (include sequence of events describing step by step how incident happened):

NONE

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO and FOM, approved by PM, and implemented by SSHO):

NONE

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety & Health Officer

Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014 Date: 6/25/12

Project Name/Site Number: Griffiss Landfill Areas of Concern LTM sampling (LF001- Landfill 1)

Weather conditions: Average temperature: 67 Average Barometric reading: 30.09
Wind speed and direction: W, 12 mph
Significant wind changes: none

General description of tasks completed: Low flow sampling at LF001 – Landfill 1 (LF1P-5, LF1MW-5, -6, -10, and -12, MWSAR03)

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None

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Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

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Corrective actions taken or instructions obtained from AFCEE/USACE personnel: No corrective actions necessary.

Sampling shipment completed: √ Yes □ No Test America Courier.

DCQCR Prepared by: Josh Wenzel, FPM, Technical Lead Date: June 25, 2012

CQCC Signature:_____ Date:_____

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs).
	✓ Daily Health and Safety Meeting Form

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: 280 Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB LF1 LTM Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations, Inc. 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America Inc. courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note1 40mL vials (HCl)	Hardness note 2 500 mL poly (HNO_3)	Anions, TDS, color, Alkalinity note 6 500 mL poly	NH3, COD, TKN note7 500 mL poly (H_2SO_4)	TOC note8 250 mL amber (H_2SO_4)	BOD, note 10 1 L poly	Comments
LF1P0525UA	LF1P-5	6/25	1417	WG	LF	N	0/0	5	--	1	1	1	1	1	
LF1M0526UA	LF1MW-5	6/25	1335	WG	LF	N	0/0	8	3	1	1	1	1	1	
LF1M0620UA	LF1MW-6	6/25	1545	WG	LF	N	0/0	8	3	1	1	1	1	1	
LF1M1030UA	WL-LF1MW-10	6/25	1242	WG	LF	N	0/0	8	3	1	1	1	1	1	
LF1M1030UC	WL-LF1MW-10	6/25	1242	WG	LF	FD	FD	8	3	1	1	1	1	1	
LF1M1030US	WL-LF1MW-10	6/25	1242	WG	MS	B	MS	8	3	1	1	1	1	1	
LF1M1030UD	WL-LF1MW-10	6/25	1242	WG	SD	B	SD	8	3	1	1	1	1	1	
LF1M1212UA	WL-LF1MW-12	6/25	1131	WG	LF	N	0/0	8	3	1	1	1	1	1	
MWSAR0324 UA	MWSAR03	6/25	1532	WG	LF	N	0/0	8	3	1	1	1	1	1	
062512UE	FIELDQC	6/25	1615	WQ	LF	EB	0/0	8	3	1	1	1	1	1	
062512UF	FIELDQC	6/25	1145	WQ	NA	AB	0/0	3	3	-	-	-	-	-	
062512UR	FIELDQC	6/25	0925	WQ	NA	TB	0/0	2	2	-	-	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: 8260B AFCEE QAPP 4.0 List + NYS Part 360 Baseline Parameters.

Note 2: Hardness: 130.2.

Note 3: Metals: SW6010 AFCEE QAPP 4.0 List (Dissolved).

Note 4: PCBs: SW8082.
Note 5: Phenols: SW9065.
Note 6: Anions: SW9056, TDS: SM2540C, color: 110.2, Alkalinity: SM2320B.
Note 7: NH3: 350.1, COD: 410.4, TKN: 351.2.
Note 8: TOC: SW9060.
Note 9: Cyanide: SW9012.
Note 10: BOD: 405.1.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 6/25/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Remediations, Inc.	Time: 1640	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig) R. Fenwick	Date: 06-25-12	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations, Inc.	Time:	Company Name: TA Syr	Time: 16.40	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF1

Well No. (**LOCID**): LF1P-5 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 6/25/12 Weather: Sunny 70°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

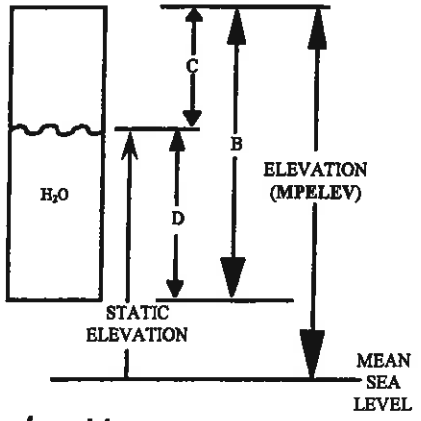
Measured Water Level Depth (C) (**STATDEP**) 4.99 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 25

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/25/12

Physical Appearance/Comments: clear no odor.

Dissolved Ferrous Iron (mg/L): Remove 950 mL before readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1404	5.09	7.09	0.460	10.87	8.2	4.77	-57	250
1406	5.09	7.09	0.460	10.85	7.3	6.88	-66	250
1408	5.09	7.04	0.462	10.77	6.9	10.71	-75	250
1410	5.09	7.03	0.469	10.87	7.3	11.04	-88	250
1412	5.09	7.01	0.474	10.89	7.9	10.99	-94	250
1414	5.09	7.04	0.474	10.86	7.5	10.98	-97	250

Sample Time: 1417 Sample ID: LF1P0525UA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-61 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF1

Well No. (**LOCID**): LF1MW-5 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 6/25/12 Weather: Sunny. 65°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

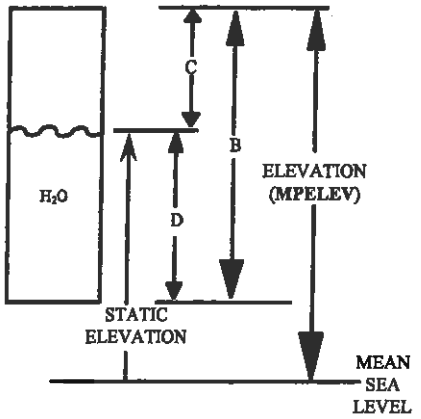
Measured Water Level Depth (C) (**STATDEP**) 3.40 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 26

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): Remove 972 mL prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1324	3.40	6.63	0.659	12.44	20.6	6.61	-133	250
1326	3.40	6.64	0.658	12.14	20.4	1.52	-134	250
1328	3.40	6.64	0.660	12.16	12.5	0.82	-134	250
1330	3.40	6.66	0.658	12.20	12.3	0.45	-137	250
1332	3.40	6.67	0.660	12.14	12.0	0.40	-137	250
1334	3.40	6.66	0.660	12.15	12.1	0.42	-137	250

Sample Time: 1335 Sample ID: LF1M0526-VA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (SITEID): LF1

Well No. (LOCID): LF1MW-6 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/25/12 Weather: Sunny 75°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

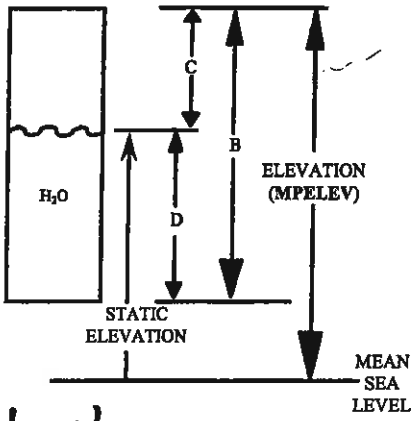
Measured Water Level Depth (C) (STATDEP) 2.30 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 20

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/25/12

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): remove 940 mL before readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1526	2.65	7.20	0.572	15.72	0.0	2.60	-116	100
1530	2.68	7.16	0.577	15.95	0.0	1.56	-117	100
1534	2.71	7.15	0.579	16.24	0.0	1.59	-117	100
1538	2.73	7.16	0.581	16.18	0.0	1.60	-117	100
1542	2.76	7.17	0.580	16.01	0.0	1.58	-116	100

Sample Time: 1545 Sample ID: LF1M0620UA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: KM, MG, ZF, KW

Location and Site Code (SITEID): LF1

Well No. (LOCID): LF1MW40 Well Diameter (SDIAM): 2 in.

Date (LOGDATE): 6/25/12 Weather: partly cloudy

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

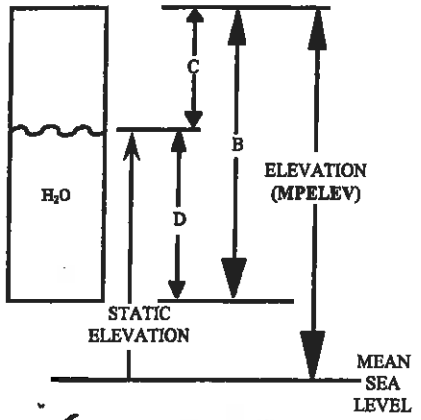
Measured Water Level Depth (C) (STATDEP) 25.9 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 30

Depth during Purging/Sampling: 25.9 – 26.06 (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/25/12

Physical Appearance/Comments: clear/odorless

~~Dissolved Ferrous Iron (mg/L)~~: Min Purge Vol - 1060 mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
12:29	25.9	6.82	0.300	15.77	1.9	9.70	213	200
12:31	25.9	6.82	0.300	15.77	1.9	9.70	213	200
12:33	25.9	6.78	0.296	11.46	0.9	4.70	202	200
12:35	25.9	6.78	0.292	11.65	0.5	4.28	174	200
12:37	25.9	6.77	0.290	11.98	0.5	4.39	166	200
12:39	25.9	6.76	0.290	11.17	0.6	4.45	161	200
12:41	25.9	6.76	0.290	10.98	0.5	4.41	160	200

Sample Time: 12:42 Sample ID: ~~LF1MW40122R~~ LF1M1030UA/C/S/D

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (SITEID): LF1

Well No. (LOCID): WL-LF/MW-12 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/25/12 Weather: Sun/70°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

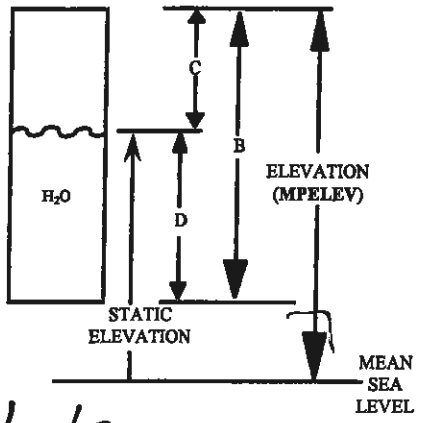
Measured Water Level Depth (C) (STATDEP) 4.60 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 12

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/25/12

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): Remove 544 mL H2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1110	4.65	6.21	0.263	14.83	1.7	4.40	-95	150
1113	4.65	6.21	0.263	14.64	2.0	1.94	-95	150
1116	4.65	6.19	0.263	14.27	1.6	1.06	-95	150
1119	4.65	6.15	0.263	14.09	1.3	0.84	-95	150
1122	4.65	6.14	0.263	13.82	1.0	0.35	-95	150
1125	4.65	6.13	0.263	13.80	1.0	0.00	-95	150
1128								

Sample Time: 1131 Sample ID: LF1M1212UA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 105-71-01 Sampled by: KM/MG/ZF/KW

Location and Site Code (SITEID): LF1

Well No. (LOCID): MWSAR03 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6-25-12 Weather: sun / 70°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

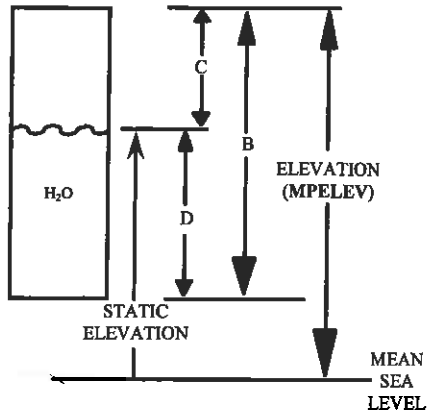
Measured Well Depth (B) (TOTDEPTH) 24.90 ft.

Measured Water Level Depth (C) (STATDEP) 20.31 ft.

Length of Static Water Column (D) = (B) 24.90 - (C) 20.31 = (D) 4.59 ft.

Casing Water Volume (E) = (A) 0.16 x (D) 4.59 = 0.73 gal

Minimum Purge Volume = 2.2 gal (3 well volumes)



Purge Date and Method: Bailer / 6-25-12

Physical Appearance/Comments: cloudy / organic odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
15:18	0.5	6.63	0.234	12.86	211	1.28	-67
15:19	1.0	6.33	0.227	13.11	147	0.01	-39
15:21	1.5	6.55	0.116	15.25	83.3	2.60	19
15:22	2.0	6.15	0.182	16.46	64.5	0.35	-26
15:24	2.5	6.21	0.196	17.18	61.1	0.90	-19
15:25	3.0	6.11	0.200	17.18	39.5	0.99	-9
15:27	3.5	6.08	0.230	12.76	33.2	0.21	-27
15:28	4.0	6.08	0.236	12.03	29.4	1.52	-25
15:30	4.5	6.03	0.224	12.00	48.0	1.73	-20

Sample Time: 1532 Sample ID: MWSAR0324UA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: 15304 (rental)

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/18/12	4.00	4.00			15304 - model
6/19	4.00	4.00			" "
6/20	4.00	4.00			
6/21	4.00	3.99	4.00		
6/25	4.00	4.00			
6/26	4.00	3.99	4.00	4.01	

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: FPM #1

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/25	4.00	4.00			
6/26	4.00	4.00			

Daily Health and Safety Meeting Form

Date: 6/25/12 *Time Start:* 0845

Time End: 0915

Location: FPM Remediations office

Weather Conditions: sun 70°

Meeting Type: Daily Health & Safety

Personnel Present: Josh Wenzel, Spencer Noyes, Katrina Mattice, Mark Grifasi

Visitors Present: —

Visitor Training: —

PPE Required: Modified D. sunscreen, bug spray,

Possible risks, injuries, concerns: Biological, sun/heat/wind exposure, slip/trip/fall

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NONE

Daily Health and Safety Meeting Form (Page 2)

Property Damage: _____

NONE

Description (include sequence of events describing step by step how incident happened):

NONE

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO and FOM, approved by PM, and implemented by SSHO):

NONE

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety & Health Officer

Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014 Date: 6/25/12

Project Name/Site Number: Griffiss Landfill Areas of Concern LTM sampling (LF001- Landfill 1)

Weather conditions: Average temperature: 67 Average Barometric reading: 30.09
Wind speed and direction: W, 12 mph
Significant wind changes: none

General description of tasks completed: Low flow sampling at LF001 – Landfill 1 (LF1P-5, LF1MW-5, -6, -10, and -12, MWSAR03)

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None

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Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

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Corrective actions taken or instructions obtained from AFCEE/USACE personnel: No corrective actions necessary.

Sampling shipment completed: √ Yes □ No Test America Courier.

DCQCR Prepared by: Josh Wenzel, FPM, Technical Lead Date: June 25, 2012

CQCC Signature: Concordia van Hoesel Date: 6/29/12

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs).
	✓ Daily Health and Safety Meeting Form

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: 280 Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB LF1 LTM Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations, Inc. 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America Inc. courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note1 40mL vials (HCl)	Hardness note 2 500 mL poly (HNO_3)	Anions, TDS, color, Alkalinity note 6 500 mL poly	NH3, COD, TKN note7 500 mL poly (H_2SO_4)	TOC note8 250 mL amber (H_2SO_4)	BOD, note 10 1 L poly	Comments
LF1P0525UA	LF1P-5	6/25	1417	WG	LF	N	0/0	5	--	1	1	1	1	1	
LF1M0526UA	LF1MW-5	6/25	1335	WG	LF	N	0/0	8	3	1	1	1	1	1	
LF1M0620UA	LF1MW-6	6/25	1545	WG	LF	N	0/0	8	3	1	1	1	1	1	
LF1M1030UA	WL-LF1MW-10	6/25	1242	WG	LF	N	0/0	8	3	1	1	1	1	1	
LF1M1030UC	WL-LF1MW-10	6/25	1242	WG	LF	FD	FD	8	3	1	1	1	1	1	
LF1M1030US	WL-LF1MW-10	6/25	1242	WG	MS	B	MS	8	3	1	1	1	1	1	
LF1M1030UD	WL-LF1MW-10	6/25	1242	WG	SD	B	SD	8	3	1	1	1	1	1	
LF1M1212UA	WL-LF1MW-12	6/25	1131	WG	LF	N	0/0	8	3	1	1	1	1	1	
MWSAR0324 UA	MWSAR03	6/25	1532	WG	LF	N	0/0	8	3	1	1	1	1	1	
062512UE	FIELDQC	6/25	1615	WQ	LF	EB	0/0	8	3	1	1	1	1	1	
062512UF	FIELDQC	6/25	1145	WQ	NA	AB	0/0	3	3	-	-	-	-	-	
062512UR	FIELDQC	6/25	0925	WQ	NA	TB	0/0	2	2	-	-	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: 8260B AFCEE QAPP 4.0 List + NYS Part 360 Baseline Parameters.

Note 2: Hardness: 130.2.

Note 3: Metals: SW6010 AFCEE QAPP 4.0 List (Dissolved).

Note 4: PCBs: SW8082.
Note 5: Phenols: SW9065.
Note 6: Anions: SW9056, TDS: SM2540C, color: 110.2, Alkalinity: SM2320B.
Note 7: NH3: 350.1, COD: 410.4, TKN: 351.2.
Note 8: TOC: SW9060.
Note 9: Cyanide: SW9012.
Note 10: BOD: 405.1.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 12/25/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Remediations, Inc.	Time: 1640	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig)	Date: 12-25-12	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations, Inc.	Time:	Company Name: TA Syr	Time: 16:40	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SW

Location and Site Code (SITEID): LF1

Well No. (LOCID): LF1P-5 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/25/12 Weather: Sunny 70°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

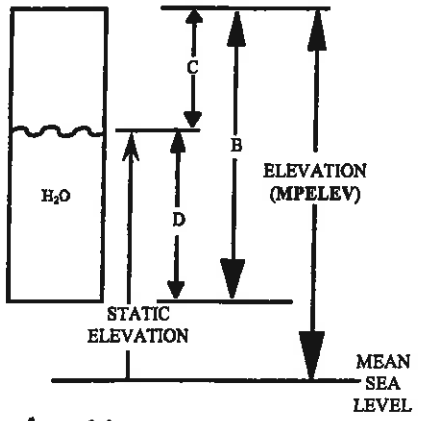
Measured Water Level Depth (C) (STATDEP) 4.99 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 25

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/25/12

Physical Appearance/Comments: clear no odor.

Dissolved Ferrous Iron (mg/L): Remove 950 mL before reading

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1404	5.09	7.09	0.460	10.87	8.2	4.77	-57	250
1406	5.09	7.09	0.460	10.85	7.3	6.88	-66	250
1408	5.09	7.04	0.462	10.77	6.9	10.71	-75	250
1410	5.09	7.03	0.469	10.87	7.3	11.04	-88	250
1412	5.09	7.01	0.474	10.89	7.9	10.99	-94	250
1414	5.09	7.04	0.474	10.86	7.5	10.98	-97	250

Sample Time: 1417 Sample ID: LF1P0525UA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-61 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF1

Well No. (**LOCID**): LF1MW-5 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 6/25/12 Weather: Sunny. 65°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

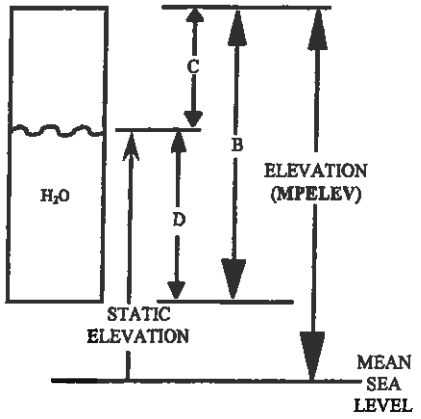
Measured Water Level Depth (C) (**STATDEP**) 3.40 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 26

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): Remove 972 mL prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1324	3.40	6.63	0.659	12.44	20.6	6.61	-133	250
1326	3.40	6.64	0.658	12.14	20.4	1.52	-134	250
1328	3.40	6.64	0.660	12.16	12.5	0.82	-134	250
1330	3.40	6.66	0.658	12.20	12.3	0.45	-137	250
1332	3.40	6.67	0.660	12.14	12.0	0.40	-137	250
1334	3.40	6.66	0.660	12.15	12.1	0.42	-137	250

Sample Time: 1335 Sample ID: LF1M0526VA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF1

Well No. (**LOCID**): LF1MW-6 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 6/25/12 Weather: Sunny 75°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

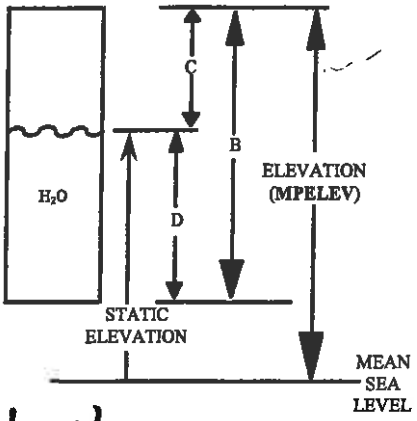
Measured Water Level Depth (C) (**STATDEP**) 2.30 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 20

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/25/12

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): remove 940 mL before readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1526	2.65	7.20	0.572	15.72	0.0	2.60	-116	100
1530	2.68	7.16	0.577	15.95	0.0	1.56	-117	100
1534	2.71	7.15	0.579	16.24	0.0	1.59	-117	100
1538	2.73	7.16	0.581	16.18	0.0	1.60	-117	100
1542	2.76	7.17	0.580	16.01	0.0	1.58	-116	100

Sample Time: 1545 Sample ID: LF1M0620UA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: KM, MG, ZF, KW

Location and Site Code (SITEID): LF1

Well No. (LOCID): LF1MW-10 Well Diameter (SDIAM): 2 in.

Date (LOGDATE): 6/25/12 Weather: partly cloudy

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

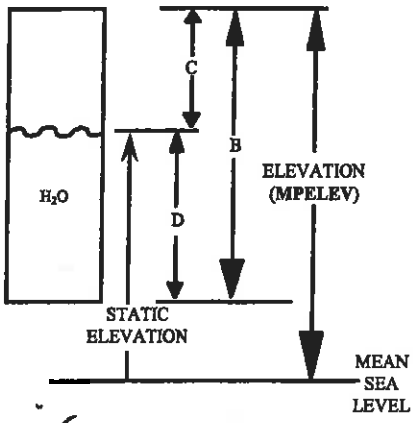
Measured Water Level Depth (C) (STATDEP) 25.9 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 30

Depth during Purging/Sampling: 25.9 – 26.06 (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/25/12

Physical Appearance/Comments: clear/odorless

~~Dissolved Ferrous Iron (mg/L)~~: Min Purge Vol - 1060 mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
12:29	25.9	6.82	0.300	15.77	1.9	9.70	213	200
12:31	25.9	6.92	0.300	15.77	1.9	9.70	213	200
12:33	25.9	6.79	0.296	11.46	0.9	4.70	202	200
12:35	25.9	6.78	0.292	11.65	0.5	4.28	174	200
12:37	25.9	6.77	0.290	11.48	0.5	4.39	166	200
12:39	25.9	6.76	0.290	11.17	0.6	4.45	161	200
12:41	25.9	6.76	0.290	10.98	0.5	4.41	160	200

Sample Time: 12:42 Sample ID: ~~LF1MW10-1212~~ LF1M1030UA/C/S/D

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (SITEID): LF1

Well No. (LOCID): WL-LF/MW-12 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/25/12 Weather: Sun/70°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

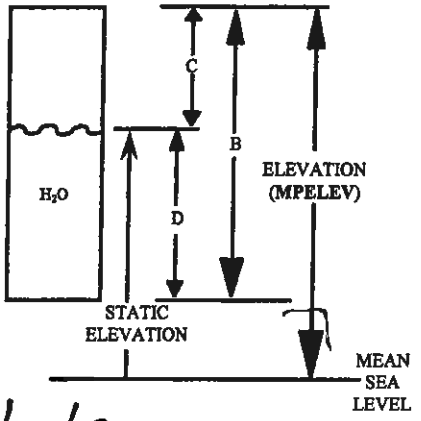
Measured Water Level Depth (C) (STATDEP) 4.60 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 12

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/25/12

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): Remove 544 mL H₂O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1110	4.65	6.21	0.263	14.83	1.7	4.40	-95	150
1113	4.65	6.21	0.263	14.64	2.0	1.94	-95	150
1116	4.65	6.19	0.263	14.27	1.6	1.06	-95	150
1119	4.65	6.15	0.263	14.09	1.3	0.84	-95	150
1122	4.65	6.14	0.263	13.82	1.0	0.35	-95	150
1125	4.65	6.13	0.263	13.80	1.0	0.00	-95	150
1128								

Sample Time: 1131 Sample ID: LF1M1212UA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: LOL5-11-01 Sampled by: KM/MG/ZF/KW

Location and Site Code (**SITEID**): LF1

Well No. (**LOCID**): MWSAR03 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 6-25-12 Weather: sun / 70°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

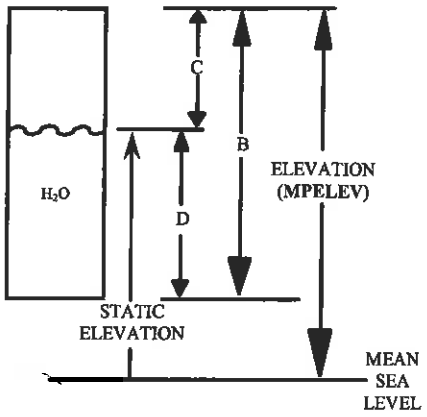
Measured Well Depth (B) (**TOTDEPTH**) 24.90 ft.

Measured Water Level Depth (C) (**STATDEP**) 20.31 ft.

Length of Static Water Column (D) = ____ (B) - ____ (C) = 4.59 (D) ft.

Casing Water Volume (E) = ____ (A) x ____ (D) = 0.73 gal

Minimum Purge Volume = 2.2 gal (3 well volumes)



Purge Date and Method: Bailer / 6-25-12

Physical Appearance/Comments: cloudy / organic odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
15:18	0.5	6.63	0.234	12.86	211	1.28	-67
15:19	1.0	6.33	0.227	13.11	147	0.01	-39
15:21	1.5	5.55	0.116	15.25	83.3	2.60	19
15:22	2.0	6.15	0.182	16.46	64.5	0.35	-26
15:24	2.5	6.21	0.196	17.18	61.1	0.90	-19
15:25	3.0	6.11	0.200	17.18	39.5	0.99	-9
15:27	3.5	6.08	0.230	12.76	33.2	0.21	-27
15:28	4.0	6.08	0.236	12.03	29.4	1.52	-25
15:30	4.5	6.03	0.224	12.00	48.0	1.73	-20

Sample Time: 1532 Sample ID: MWSAR0324UA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: 15304 (rental)

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/18/2	4.00	4.00			15304 - model
6/19	4.00	4.00			" " "
6/20	4.00	4.00			
6/21	4.00	3.99	4.00		
6/25	4.00	4.00			
6/26	4.00	3.99	4.00	4.01	

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: FPM #1

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/25	4.00	4.00			
6/26	4.00	4.00			

Daily Health and Safety Meeting Form

Date: 6/25/12 *Time Start:* 0845

Time End: 0915

Location: FPM Remediations office

Weather Conditions: sun 70°

Meeting Type: Daily Health & Safety

Personnel Present: Josh Wenzel, Spencer Noyes, Katana Mattice, Mark Grifasi

Visitors Present: —

Visitor Training: —

PPE Required: Modified D sunscreen, bug spray,

Possible risks, injuries, concerns: Biological, sun/heat/wind exposure, slip/trip/fall

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NONE

Daily Health and Safety Meeting Form (Page 2)

Property Damage: _____

NONE

Description (include sequence of events describing step by step how incident happened):

NONE

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO and FOM, approved by PM, and implemented by SSHO):

NONE

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety & Health Officer

Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014 Date: 6/26/12

Project Name/Site Number: Griffiss Landfill Areas of Concern LTM sampling (LF001- Landfill 1, Building 35, and Unknown Site #2 – Apron 1 Soil Pile)

Weather conditions: Average temperature: 79 Average Barometric reading: 29.80
Wind speed and direction: W, 10 mph
Significant wind changes: none

General description of tasks completed: Low flow sampling at LF001 – Landfill 1 (LF1MW-1R). Surface Water Sampling at LF001 – Landfill 1 (LF1SW-1, -2, and -3). Bailer Sampling at LF001 – Landfill 1 (LF1MW-14 and -103). Low flow sampling at Building 35 (B035MW04). Soil Sample - Unknown Site #2 (AP1 Soil Pile).

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None

---

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

---

Corrective actions taken or instructions obtained from AFCEE/USACE personnel: No corrective actions necessary.

Sampling shipment completed: √ Yes □ No Test America Courier.

DCQCR Prepared by: Josh Wenzel, FPM, Technical Lead Date: June 26, 2012

CQCC Signature: Concordia van Hoesel Date: 6/29/12

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs).
	✓ Daily Health and Safety Meeting Form

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _ _ Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB LF1 LTM Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations, Inc. 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America Inc. courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note1 40mL vials (HCl)	Hardness note 2 500 mL poly (HNO_3)	Anions, TDS, color, Alkalinity note 6 500 mL poly	NH3, COD, TKN note7 500 mL poly (H_2SO_4)	TOC note8 250 mL amber (H_2SO_4)	BOD, note 10 1 L poly	Comments
LF1M01R11UA	WL-LF1MW-1R	6/26	1204	WG	LF	N	0/0	5	--	1	1	1	1	1	
LF1M1411UA	WL-LF1MW-14	6/26	1011	WG	B	N	0/0	5	--	1	1	1	1	1	
LF1M10318UA	WL-LF1MW-103	6/26	1030	WG	B	N	0/0	4	3	-	1	-	-	-	Not enough water to fill rest of bottle set
LF1SW0101UA	SL-LF1SW-1	6/26	1101	WG	G	N	0/0	8	3	1	1	1	1	1	
LF1SW02SMC01UA	SL-LF1SW-2	6/26	1145	WG	G	N	0/0	8	3	1	1	1	1	1	
LF1SW0301UA	SL-LF1SW-3	6/26	1035	WG	G	N	0/0	8	3	1	1	1	1	1	
062612UE	FIELDQC	6/26	1415	WQ	LF	EB	0/0	8	3	1	1	1	1	1	
062612UF	FIELDQC	6/26	1201	WQ	NA	AB	0/0	3	3	-	-	-	-	-	
062612UR	FIELDQC	6/26	0915	WQ	NA	TB	0/0	2	2	-	-	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: 8260B AFCEE QAPP 4.0 List + NYS Part 360 Baseline Parameters.

Note 2: Hardness: 130.2.
Note 3: Metals: SW6010 AFCEE QAPP 4.0 List (Dissolved).
Note 4: PCBs: SW8082.
Note 5: Phenols: SW9065.
Note 6: Anions: SW9056, TDS: SM2540C, color: 110.2, Alkalinity: SM2320B.
Note 7: NH3: 350.1, COD: 410.4, TKN: 351.2.

Note 8: TOC: SW9060.
Note 9: Cyanide: SW9012.
Note 10: BOD: 405.1.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 6/26/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Remediations, Inc.	Time: 1130	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig)	Date: 6-26-12	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations, Inc.	Time:	Company Name: TA Sya	Time: 16:30	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: KM, KW

Location and Site Code (SITEID): ~~LFIMW-1R~~ LF1

Well No. (LOCID): LFIMW-1R Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/26 Weather: Overcast 70°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

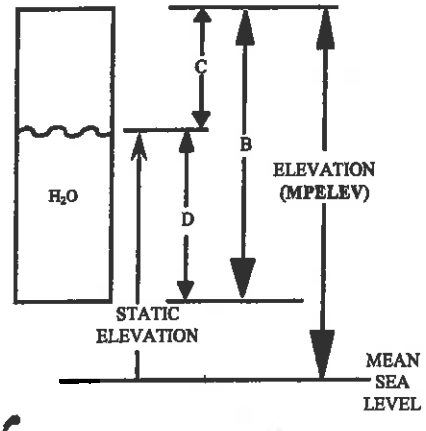
Measured Water Level Depth (C) (STATDEP) 4.62 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 11

Depth during Purging/Sampling: 4.62 - 4.63 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/26

Physical Appearance/Comments: Cloudy; organic scent

~~Dissolved Ferrous Iron (mg/L):~~ Minimum purge volume: 642 mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1110	4.62	6.22	0.251	12.55	10.8	5.71	26	200
1113	4.62	6.21	0.252	12.33	7.1	7.70	19	200
1115	4.62	6.26	0.250	12.29	6.9	8.45	13	200
1148	4.62	6.08	0.219	13.47	32.4	1.19	47	200
1150	4.62	6.14	0.226	12.97	22.0	0.00	38	200
1152	4.62	6.20	0.239	12.62	23.8	0.00	27	200
1156	4.62	6.28	0.253	12.53	19.4	0.00	15	200
~~1158~~	~~4.62~~	~~6.30~~	~~0.257~~	~~12.56~~	~~21.2~~	~~0.00~~ KW		
1159	4.62	6.32	0.260	12.68	18.8	0.00	11	200
1201	4.62	6.34	0.261	12.65	18.8	0.00	10	200

Sample Time: 12:04 Sample ID: ~~LFIMW1R~~ LFIMW1R11VA KW

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (SITEID): LF1

Well No. (LOCID): WL-LF1MW-14 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/20/12 Weather: cloudy 60°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

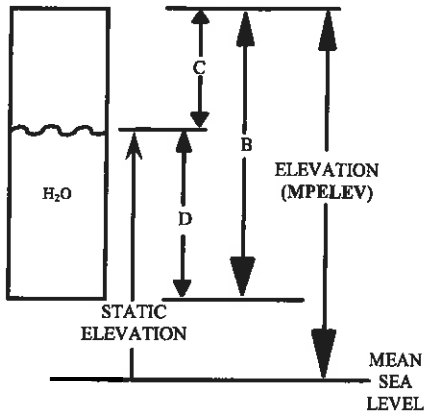
Measured Well Depth (B) (TOTDEPTH) 15.35 ft.

Measured Water Level Depth (C) (STATDEP) 10.75 ft.

Length of Static Water Column (D) = (B) 15.35 - (C) 10.75 = (D) 4.6 ft.

Casing Water Volume (E) = (A) .16 x (D) 4.6 = .736 gal

Minimum Purge Volume = 2.208 gal (3 well volumes)



Purge Date and Method: Bailer 6/20/12

Physical Appearance/Comments: cloudy, slight organic smell

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1006	0.50	5.15	0.140	13.21	95.7	5.81	52
1007	1.00	5.15	0.138	12.48	76.4	4.51	59
1008	1.50	5.16	0.142	11.90	77.1	5.21	62
1009	2.00	5.20	0.143	11.58	66.0	3.72	68
1010	2.50	5.22	0.143	11.48	72.6	4.88	69

Sample Time: 1011 Sample ID: LF1MW14DUA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 1015-11-01 Sampled by: KM, MG, KW, and ZF

Location and Site Code (SITEID): LF1

Well No. (LOCID): LF1MW103 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/25/12 Weather: Partly Cloudy 68°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

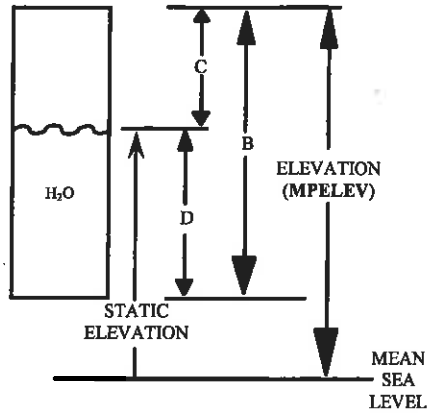
Measured Well Depth (B) (TOTDEPTH) 35.09 ft.

Measured Water Level Depth (C) (STATDEP) 17.61 ft.

Length of Static Water Column (D) = (B) 35.09 - (C) 17.61 = (D) 17.48 ft.

Casing Water Volume (E) = (A) _____ x (D) 17.48 = 2.8 gal

Minimum Purge Volume = 8.4 gal (3 well volumes)



Purge Date and Method: Bailer / 6-25-12

Physical Appearance/Comments: Cloudy / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
10:43	2	11.43	0.794	13.7	27.1	4.78	14.0
10:47	4	11.51	0.794	13.76	~~+0~~ 162	4.63	18.0
10:53	5.25	11.45	0.891	17.1	287	3.85	19.0
	Bail dry at 5.25 gallons						

6-26-12 Sample Time: 1030 Sample ID: LF1MW103BLK

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 1015-11-01 Sampled by: JG/SN

Location and Site Code (**SITEID**): LF1

Well No. (**LOCID**): SL-LF1SW-1 Well Diameter (**SDIAM**): —

Date (**LOGDATE**): 6/26/12 Weather: cloudy 60°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

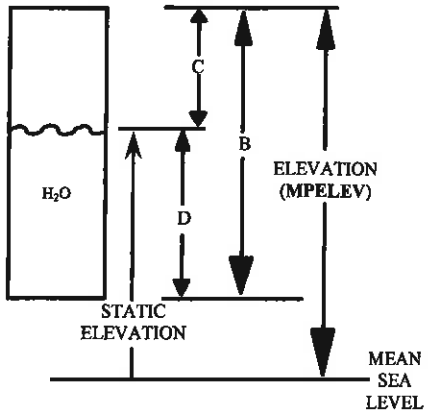
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: Grab 6/26/12

Physical Appearance/Comments: clear, no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1100	—	6.32	0.378	13.71	4.0	12.10	-47
		Surface Water Grab					

Sample Time: 1101 Sample ID: LF1SW010112A

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF1

Well No. (**LOCID**): SL-LF1SW-2 Well Diameter (**SDIAM**): —

Date (**LOGDATE**): 6/26/12 Weather: Cloudy 70'

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

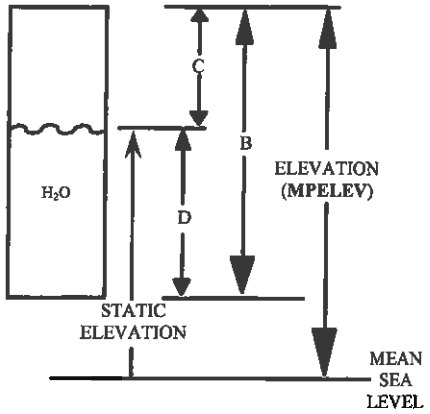
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: GRAB SAMPLE

Physical Appearance/Comments: CLEAR, SLIGHT FUEL ODOR

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1148	—	6.49	0.626	15.36	10.0	5.56	-172
	SURFACE WATER GRAB						

Sample Time: 1145 Sample ID: LF1SW02SMC01UA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF1

Well No. (**LOCID**): SL-LF1SW-3 Well Diameter (**SDIAM**): —

Date (**LOGDATE**): 6/26/12 Weather: cloudy 60°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

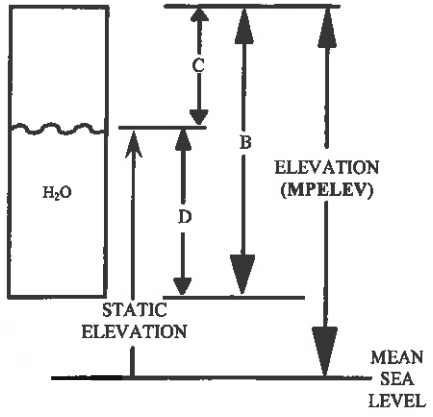
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) − _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: GRAB 6/26/12

Physical Appearance/Comments: clear, no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1034	—	5.64	0.271	16.16	3.6	7.99	-8
		Surface Water					
			Grab				

Sample Time: 1035 Sample ID: LF1SW030611A

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _ _ Cooler ID: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB B 35 LTM Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations, Inc. 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America Inc. courier.	Sampler Signature:	

Analyses Requested

Field Sample ID	Location ID (LOCID)	Date 2012	Time	MATRIX	SMCODE	SBD/SED	SACODE	Preservative	Filt./UnFilt.	No. of Containers	VOCs Note 1 40 mL vial (HCl)	Anions, TDS, color Alkalinity note 2 500 mL poly	TOC note3 2 50mL amber (H_2SO_4)	Comments
B035M0411HA	B035MW04	6/26	1600	WG	LF	0/0	N	HCl	Unf.	5	3	1	1	

ALL MONITORING WELLS GROUNDWATER ELEVATIONS SHOULD BE MEASURED.

Sample Condition Upon Receipt at Laboratory: Cooler Temperature:
Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0
Note 1: VOC: method SW 8260: Target COCs: PCE, TCE, DCE, Vinyl Chloride and Chloroform.
Note 2: Anions: SW9056, TDS: SM2540C, Color:110.2, Alkalinity: SM2320B
Note 3: TOC: SW9060.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 6/26/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Remediations, Inc.	Time: 1630	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig) REMI/LIA	Date: 6-26-12	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations, Inc.	Time:	Company Name: TA SYR	Time: 16:30	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: KM and KW

Location and Site Code (SITEID): B35

Well No. (LOCID): B035MW04 Well Diameter (SDIAM): 2"

Date (LOGDATE): 6/26 Weather: Overcast 70°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

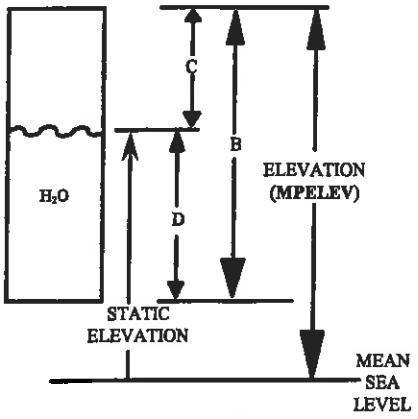
Measured Water Level Depth (C) (STATDEP) 6.53 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 11

Depth during Purging/Sampling: 6.53-6.54 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 6/26

Physical Appearance/Comments: clear w/ black percipitate / organic odor

~~Dissolved Ferrous Iron (mg/L):~~ Minimum purge volume: 642 mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1548	6.53	7.17	1.15	15.59	32	0.00	-83	250
1550	6.53	7.25	1.16	15.52	20.5	0.00	-93	250
1552	6.53	7.26	1.13	15.24	19.0	0.00	-96	250
1554	6.53	7.29	1.09	15.28	14.2	0.00	-98	250
1556	6.53	7.30	1.06	15.10	15.6	0.00	-101	250
1558	6.53	7.31	1.05	15.28	11.0	0.00	-102	250

Sample Time: 1600 Sample ID: B035M0411HA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _ _ (Open/Closed) Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB Unknown #2 Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations, Inc 584 Phoenix Drive Rome, NY 13441
Carrier: Test America courier.	Sampler Signature:	Phone: (315) 336-7721 Ext. 207

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	TCLP VOCs, 4 oz glass jar	TCLP Lead, and Flashpoint 8 oz glass jar	Comments
UNK20101AA	AP1 Soil Pile	6/26	1345	SO	G	N	0/0	2	1	1	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:
Special Instructions/Comments: Parameter List:

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 6/26/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 1630	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date:	#2 Received by: (Sig)	Date: 06-26-12	#3 Received by: (Sig)	Date:
Company Name: FPM	Time:	Company Name: TA Syr	Time: 16:30	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

SOIL / SEDIMENT SAMPLING FORM

Project: 1015-11-01 Sampled by: JW/SN

Site and Site Code (**SITEID**): #Apron 1 Soil Pile, Unknown Site #2

Sampling Location ID. (**LOCID**): API Soil Pile

Date (**LOGDATE**): 6/26/12 Time: 1345

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
Composite Grab Sample.	Dirt, Brown, small pebbles mixed w/in. No odor.

Comments/Observations:

Composite Sample

Sample Time: 1345 Sample ID: UNK20101AA

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: 15304 (rental)

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/18/12	4.00	4.00			15304 - model
6/19	4.00	4.00			" "
6/20	4.00	4.00			
6/21	4.00	3.99	4.00		
6/25	4.00	4.00			
6/26	4.00	3.99	4.00	4.01	

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: FPM #1

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/25	4.00	4.00			
6/26	4.00	4.00			

Daily Health and Safety Meeting Form

Date: 6/26/12 *Time Start:* 0845

Time End: 0915

Location: FPM Remediations office

Weather Conditions: cloudy 60°

Meeting Type: Daily Health & Safety

Personnel Present: Josh Wenzel, Spencer Noyes, Katrina Mattia, Mark Grifasi

Visitors Present: —

Visitor Training: —

PPE Required: Modified D, boots,

Possible risks, injuries, concerns: Biological, wind exposure, falling tree branches, slip/trip/fall

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NONE

Daily Health and Safety Meeting Form (Page 2)

Property Damage: _____

NONE

Description (include sequence of events describing step by step how incident happened):

NONE

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO and FOM, approved by PM, and implemented by SSHO):

NONE

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety & Health Officer

Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014 Date: 7/2/12

Project Name/Site Number: Griffiss Landfill Areas of Concern LTM sampling (LF009- Landfill 6)

Weather conditions: Average temperature: 80 Average Barometric reading: 29.96
Wind speed and direction: NW, 10 mph
Significant wind changes: none

General description of tasks completed: Low flow sampling at LF009 – Landfill 6 (LF6VMW-10R2, -18, -19, -20, -21, ~~-22~~, -24, and -25, 775VMW-10, TMCMW-9)

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: Resample wells for BOD analysis due to laboratory error.

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

---

Corrective actions taken or instructions obtained from AFCEE/USACE personnel: No corrective actions necessary.

Sampling shipment completed: √ Yes □ No Test America Courier.

DCQCR Prepared by: Josh Wenzel, FPM, Technical Lead Date: July 2, 2012

CQCC Signature: Cornelia Van Hassel Date: 7/7/12

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs).
	✓ Daily Health and Safety Meeting Form

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _ _ Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB LF6 LTM Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations, Inc. 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America Inc. courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40 mL vials (HCl)	Hardness note 2 250 mL poly (HNO_3)	Anions, TDS, color, Alkalinity note 4 500 mL poly	NH3, COD, TKN, note 5 500 mL poly (H_2SO_4)	TOC note 6 250 mL amber (H_2SO_4)	BOD Note 7 1 L Poly	Comments
775VM1095QA	775VMW-10	7/2	1430	WG	LF	N	0/0	1	-	--	--	--	--	1	
LF6VM10R230QA	LF6VMW-10R2	7/2	1551	WG	LF	N	0/0	1	--	--	--	--	--	1	
LF6VM1850QA	WL-LF6VMW-18	7/2	1359	WG	LF	N	0/0	1	--	--	--	--	--	1	
LF6VM1926QA	WL-LF6VMW-19	7/2	1323	WG	LF	N	0/0	1	--	--	--	--	--	1	
LF6VM2068QA	WL-LF6VMW-20	7/2	1253	WG	LF	N	0/0	1	--	--	--	--	--	1	
LF6VM2175QA	WL-LF6VMW-21	7/2	1055	WG	LF	N	0/0	1	--	--	--	--	--	1	
LF6VM24499QA	WL-LF6VMW-24	7/2	1511	WG	LF	N	0/0	1	--	--	--	--	--	1	
LF6VM2544QA	WL-LF6VMW-25	7/2	1130	WG	LF	N	0/0	1	--	--	--	--	--	1	
TMCM0919QA	TMCMW-9	7/2	1214	WG	LF	N	0/0	1	--	--	--	--	--	1	
070212QE	FIELDQC	7/2	1625	WQ	LF	EB	0/0	1	--	--	--	--	--	1	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 List + NYS Part 360 Baseline Parameters.

Note 2: Hardness: SM2340B.

Note 3: Phenols: SW9065.
Note 4: Anions: SW9056, TDS: SM2540C, Color: 110.2, Alkalinity: SM2320B.
Note 5: NH3: 350.1, COD: 410.4, TKN: 351.2.
Note 6: TOC: SW9060.
Note 7: BOD: 405.1.
Note 9: Cyanide: SW9012.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 7/2/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Remediations Inc.	Time: 1630	Company Name:	Time:
#1 Received by: (Sig)	Date: :	#2 Received by: (Sig) Reng Ish	Date: 07-02-12	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations, Inc.	Time:	Company Name: TA Syr.	Time: 1630	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: MB/KW

Location and Site Code (**SITEID**): B775

Well No. (**LOCID**): 775VMW-10 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 7/2/12 Weather: Sun 80°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) 95 ft. (optional)

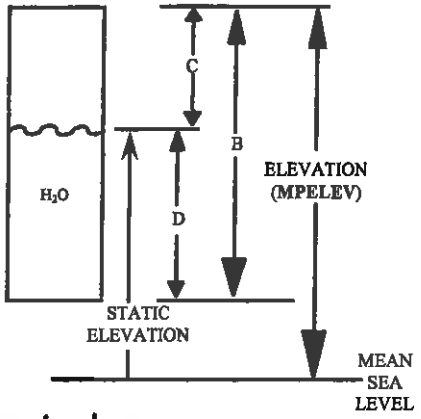
Measured Water Level Depth (C) (**STATDEP**) 60.53 ft.

Length of Static Water Column (D) = ____ (B) - ____ (C) = ____ (D) ft. (optional)

Pump Intake Depth (ft): 95

Depth during Purging/Sampling: 60.62 ft (provide range)

Comments (re: Depth during purging/sampling): ____



Purge Date and Method: BLADDER PUMP 7/2/12

Physical Appearance/Comments: clear/ no odor

~~Dissolved Ferrous Iron (mg/L):~~ Min purge volume: 2,490 mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1418	60.62	7.50	0.710	17.12	1.0	6.95	92	200
1420	60.62	7.60	0.709	15.80	1.7	6.92	93	200
1422	60.62	7.60	0.707	14.96	1.5	6.51	95	200
1424	60.62	7.58	0.707	15.12	0.7	6.40	99	200
1427	60.62	7.62	0.706	14.82	1.1	6.42	99	200

Sample Time: 1430 Sample ID: 775VM1095QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): LF6VMW-10R2 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 7/2/12 Weather: Sunny 80°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

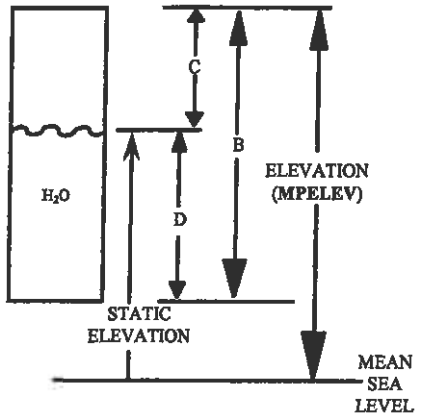
Measured Water Level Depth (C) (**STATDEP**) 13.20 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 130

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): Remove 1060 mL of H_2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1536	13.20	7.80	0.162	17.81	22.7	3.59	113	150
1539	13.20	7.79	0.157	17.23	23.0	3.30	117	150
1542	13.20	7.79	0.154	16.95	22.3	3.02	120	150
1545	13.20	7.78	0.154	16.77	21.2	2.99	125	150
1548	13.20	7.78	0.155	16.64	21.2	2.97	127	150

Sample Time: 1551 Sample ID: LF6VM10R2302QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): WL-LF6UMW-18 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 7/2/12 Weather: Sunny 85°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

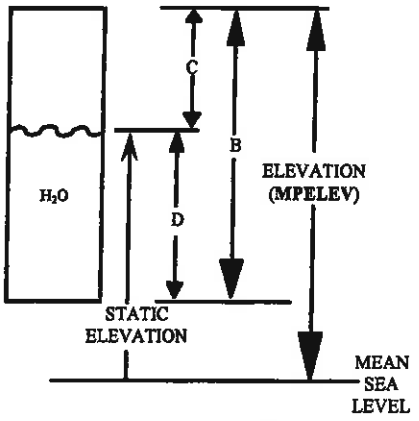
Measured Water Level Depth (C) (**STATDEP**) 11.44 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 50

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): 1500 mL of H₂O removed prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1346	11.44	7.24	0.453	19.78	0.0	2.14	151	250
1348	11.44	7.24	0.457	19.43	0.0	1.26	56	250
1350	11.44	7.23	0.461	19.20	0.0	0.70	10	250
1352	11.44	7.23	0.464	18.96	0.0	0.22	-6	250
1354	11.44	7.22	0.465	18.79	0.0	0.00	-8	250
1356	11.44	7.22	0.467	18.62	0.0	0.00	-8	250

Sample Time: 1359 Sample ID: LF6UM185DQA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): WL-LF6VMW-19 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 7/24/12 Weather: Sunny 80°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

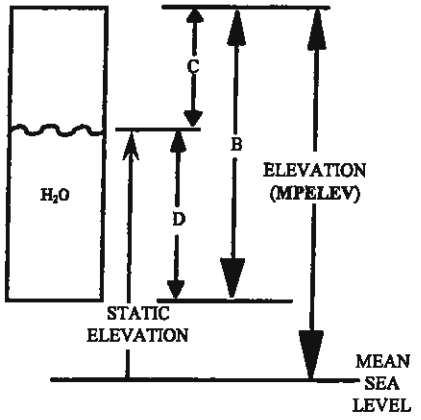
Measured Water Level Depth (C) (**STATDEP**) 9.15 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 26

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): 972 mL H_2O removed prior to reading

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1313	9.15	7.25	0.437	12.75	0.0	3.56	164	250
1315	9.15	7.24	0.439	12.46	0.0	2.73	147	250
1317	9.15	7.26	0.437	12.29	0.0	2.47	136	250
1319	9.15	7.25	0.437	12.05	0.0	2.45	130	250
1321	9.15	7.27	0.441	12.04	0.0	2.39	127	250

Sample Time: 1323 Sample ID: LF6VM1926QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): WL-LF6VMW-20 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 7/2/12 Weather: Sunny 80°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

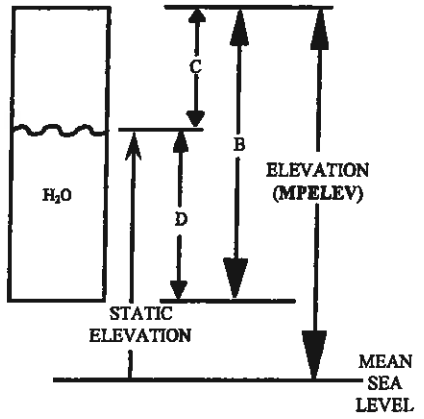
Measured Water Level Depth (C) (**STATDEP**) 11.09 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 68

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: Clear NO ODOR

Dissolved Ferrous Iron (mg/L): Remove 1896 mL H_2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1238	11.09	6.59	0.390	23.44	0.0	2.35	193	200
1240	11.09	6.76	0.389	22.91	0.0	2.55	178	200
1242	11.09	6.98	0.396	22.54	1.2	2.75	154	200
1244	11.09	7.17	0.400	22.27	2.1	2.83	138	200
1246	11.09	7.31	0.408	21.91	1.8	3.03	116	200
1248	11.09	7.34	0.409	21.80	1.7	2.95	115	200
1250	11.09	7.39	0.410	21.80	0.7	3.00	113	200

Sample Time: 1253 Sample ID: LF6VM2068-QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-61 Sampled by: SN/JW

Location and Site Code (SITEID): LF6

Well No. (LOCID): WL-LF6VMW-2 Well Diameter (SDIAM): 2"

Date (LOGDATE): 7/2/12 Weather: Sunny 75°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

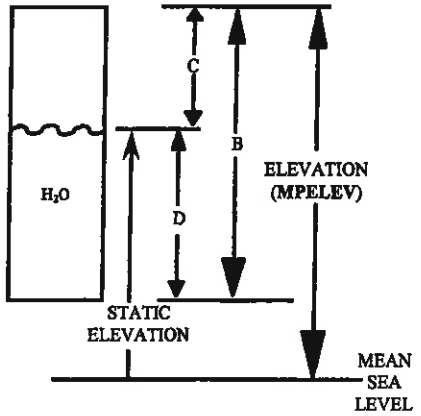
Measured Water Level Depth (C) (STATDEP) 43.03 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 75

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: CLEAR, NO ODOR

Dissolved Ferrous Iron (mg/L): Remove 2050 mL H2O prior to reading

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1044	43.03	7.52	0.119	20.49	5.2	5.92	111	250
1046	43.03	7.61	0.116	20.95	5.0	4.57	112	250
1048	43.03	7.66	0.113	20.89	5.3	3.97	115	250
1050	43.03	7.72	0.115	20.83	4.7	3.85	119	250
1052	43.03	7.75	0.114	20.85	4.3	3.84	123	250
1054	43.03							250

Sample Time: 1055 Sample ID: LF6VM2175QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): WL-LF6VMW-24 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 7/2/12 Weather: Sunny 80°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

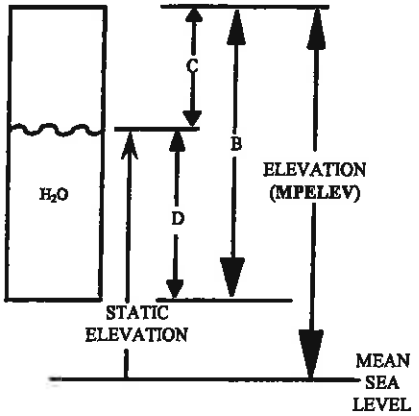
Measured Water Level Depth (C) (**STATDEP**) 12.40 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 49

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: CLEAR, SLIGHT SULFUR ODOR

Dissolved Ferrous Iron (mg/L): Remove 1278 mL of H_2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1459	12.40	7.45	0.754	22.32	0.0	1.95	-42	250
1501	12.40	7.42	0.748	22.10	0.0	0.42	-66	250
1503	12.40	7.39	0.753	21.83	0.0	0.10	-86	250
1505	12.40	7.38	0.759	21.83	0.0	0.00	-100	250
1507	12.40	7.38	0.758	21.82	0.0	0.00	-105	250
1509	12.40	7.38	0.759	21.80	0.0	0.00	-107	250

Sample Time: 1511 Sample ID: LF6VM2449-QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: KM/MCO

Location and Site Code (SITEID): LF6

Well No. (LOCID): LF6VMW-25 Well Diameter (SDIAM): 2"

Date (LOGDATE): 7/2/2012 Weather: sun / 75°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

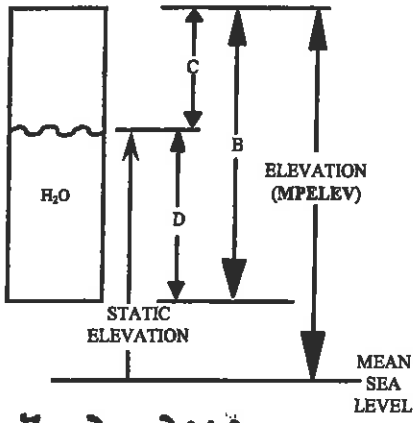
Measured Water Level Depth (C) (STATDEP) 3.48 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 44

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / 7-2-2012

Physical Appearance/Comments: clear / no odor

~~Dissolved Ferrous Iron~~ (mg/L): min purge vol = 1,368 mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1114	3.48	6.63	0.613	12.85	0.0	2.49	105	250
1116	3.48	6.65	0.611	12.57	0.0	1.10	93	250
1118	3.48	6.64	0.609	12.53	0.0	0.44	79	250
1120	3.48	6.68	0.608	12.52	0.0	0.08	66	250
1122	3.48	6.73	0.607	12.45	0.0	0.00	56	250
1124	3.48	6.75	0.607	12.54	0.0	0.00	49	250
1126	3.48	6.81	0.606	12.41	0.0	0.00	30	250
1128	3.48	6.83	0.605	12.40	0.0	0.00	25	250
1130	3.48	6.84	0.605	12.61	0.0	0.00	19	250
1132	3.48	6.87	0.605	12.60	0.0	0.00	16	250

Sample Time: 1136 Sample ID: LF6VM2544QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: km/mg

Location and Site Code (SITEID): LF6

Well No. (LOCID): TMCMW-9 Well Diameter (SDIAM): 2"

Date (LOGDATE): 7/2/12 Weather: sun / 75°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

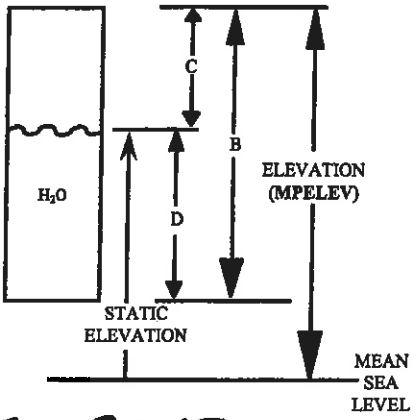
Measured Water Level Depth (C) (STATDEP) 3.60 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): _____

Depth during Purging/Sampling: 3.72 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 7-2-12

Physical Appearance/Comments: clear / no odor

~~Dissolved Ferrous Iron (mg/L):~~ min purge vol = 818 mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1158	3.72	7.00	0.986	16.03	0.0	1.65	56	100
1202	3.72	6.99	0.988	16.45	0.0	1.44	54	106
1206	3.72	6.99	0.989	16.96	0.0	1.50	54	100
1210	3.72	7.00	0.990	17.26	0.0	1.58	56	100

Sample Time: 1214 Sample ID: ~~TMCMW-9 QA~~ km TMCM0912QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: FPM# 2

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
7/2	4.00	4.0 0			

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: 15304 (rental)

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/18	4.00	4.00			15304 - model
6/19	4.00	4.00			" "
6/20	4.00	4.00			
6/21	4.00	3.99	4.00		
6/25	4.00	4.00			
6/26	4.00	3.99	4.00	4.01	
7/2	4.00	4.00			

Daily Health and Safety Meeting Form

Date: 7/2/12 *Time Start:* 0900

Time End: 0915

Location: FPM Remediations office

Weather Conditions: sun 75°

Meeting Type: Daily Health & Safety

Personnel Present: Josh Wenzel, Katrina Mattice, Mark Grafas, Spencer Noyes

Visitors Present: —

Visitor Training: —

PPE Required: Modified D, Sunscreen

Possible risks, injuries, concerns: Biological, sun+heat exposure, slip/trip/fall

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NONE

Daily Health and Safety Meeting Form (Page 2)

Property Damage: _____

NONE

Description (include sequence of events describing step by step how incident happened):

NONE

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO and FOM, approved by PM, and implemented by SSHO):

NONE

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety & Health Officer

Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014 Date: 7/5/12

Project Name/Site Number: Griffiss Landfill Areas of Concern LTM sampling (LF009- Landfill 6)

Weather conditions: Average temperature: 80 Average Barometric reading: 29.89
Wind speed and direction: NW, 6 mph
Significant wind changes: none

General description of tasks completed: Low flow sampling at LF009 – Landfill 6 (LF6VMW-22, 775VMW-18R and -20R, LF6MW-1)

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: Resample wells for BOD analysis due to laboratory error.

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

Corrective actions taken or instructions obtained from AFCEE/USACE personnel: No corrective actions necessary.

Sampling shipment completed: √ Yes □ No Test America Courier.

DCQCR Prepared by: Josh Wenzel, FPM, Technical Lead Date: July 5, 2012

CQCC Signature: Concordia [illegible] Date: 7/7/12

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs).
	✓ Daily Health and Safety Meeting Form

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _ _ Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB LF6 LTM Sampler Name: Josh Wenzel	Send Results to: Daniel Baldyga FPM Remediations, Inc. 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America Inc. courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40 mL vials (HCl)	Hardness note 2 250 mL poly (HNO_3)	Anions, TDS, color, Alkalinity note 4 500 mL poly	NH3, COD, TKN, note 5 500 mL poly (H_2SO_4)	TOC note 6 250 mL amber (H_2SO_4)	BOD Note 7 1 L Poly	Comments
LF6M0168QA	LF6MW-1	7/5	1459	WG	LF	N	0/0	1	--	--	--	--	--	1	
LF6M0168QC	LF6MW-1	7/5	1459	WG	LF	FD	0/0	1	--	--	--	--	--	1	
LF6M0168QS	LF6MW-1	7/5	1459	WG	LF	MS	0/0	1	--	--	--	--	--	1	
LF6M0168QD	LF6MW-1	7/5	1459	WG	LF	SD	0/0	1	--	--	--	--	--	1	
775VM18R90QA	775VMW-18R	7/5	1129	WG	LF	N	0/0	1	--	--	--	--	--	1	
775VM20R110QA	775VMW-20R	7/5	1411	WG	LF	N	0/0	1	--	--	--	--	--	1	
LF6VM2235QA	WL-LF6VMW-22	7/5	1031	WG	LF	N	0/0	1	--	--	--	--	--	1	
LF6VM2235QC	WL-LF6VMW-22	7/5	1031	WG	LF	FD	0/0	1	--	--	--	--	--	1	
070512QE	FIELDQC	7/5	1621	WQ	LF	EB	0/0	1	--	--	--	--	--	1	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 List + NYS Part 360 Baseline Parameters.

Note 2: Hardness: SM2340B.

Note 3: Phenols: SW9065.

Note 4: Anions: SW9056, TDS: SM2540C, Color: 110.2, Alkalinity: SM2320B.

Note 5: NH3: 350.1, COD: 410.4, TKN: 351.2.
Note 6: TOC: SW9060.
Note 7: BOD: 405.1.
Note 9: Cyanide: SW9012.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 7/5/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Remediations Inc.	Time: 1630	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig) R English	Date: 07-05-12	#3 Received by: (Sig)	Date:
Company Name: FPM Remediations, Inc.	Time:	Company Name: TA Syr	Time: 16:30	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JN/SN

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): LF6MW-1 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 7/5/12 Weather: Sunny 84°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

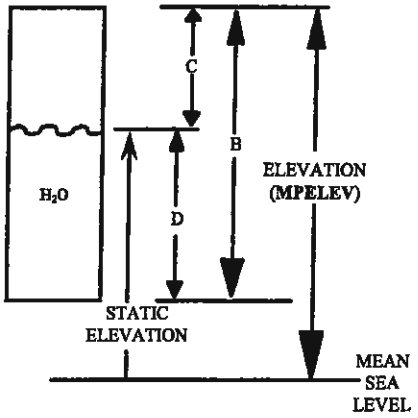
Measured Water Level Depth (C) (**STATDEP**) 62.89 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 68

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: _____

Dissolved Ferrous Iron (mg/L): Remove 1896 mL H2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1444	62.89	7.22	4.05	16.38	1.3	8.59	40	150
1447	62.89	7.22	3.97	17.05	1.2	6.75	31	150
1450	62.89	7.23	3.88	16.31	1.0	6.49	31	150
1453	62.89	7.28	3.88	17.33	1.0	6.29	36	150
1456	62.89	7.31	3.86	17.45	0.7	6.12	39	150

Sample Time: 1459 Sample ID: LF6M0168QA/C/[redacted]S/D

14

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): 775VMW-18R Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 7/5/12 Weather: Sunny 80°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

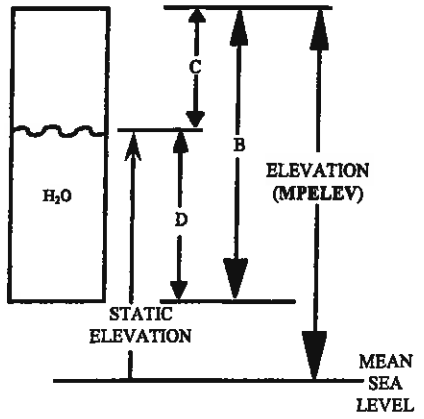
Measured Water Level Depth (C) (**STATDEP**) 52.20 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 90

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): Remove 2380 mL H_2O prior to reading

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1117	52.50	7.48	1.73	14.45	20.2	8.49	124	200
1119	52.50	7.50	1.73	14.38	15.5	6.43	121	200
1121	52.50	7.53	1.73	14.35	12.7	6.02	118	200
1123	52.50	7.55	1.74	14.36	11.5	5.71	116	200
1125	52.50	7.57	1.74	14.45	11.0	5.47	114	200

Sample Time: 1129 Sample ID: 775VM18R90QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): 775VMW-20R Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 7/5/12 Weather: Sunny 85°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

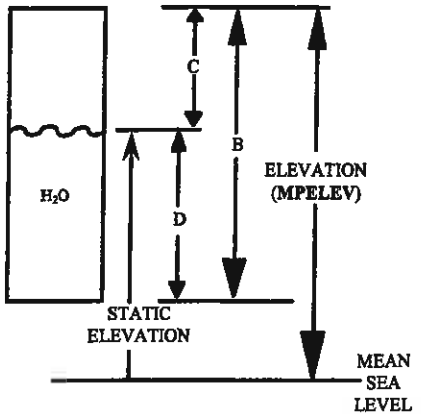
Measured Water Level Depth (C) (**STATDEP**) 64.95 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 110

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: _____

Dissolved Ferrous Iron (mg/L): Remove 2820 mL H_2O prior to reading

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1350	65.15	7.47	0.491	16.23	2.3	4.44	-60	150
1353	65.15	7.49	0.493	16.24	2.2	1.19	-76	150
1356	65.15	7.51	0.490	16.18	2.7	0.67	-95	150
1359	65.15	7.52	0.486	15.37	2.1	0.48	-105	150
1402	65.15	7.53	0.488	16.44	2.3	0.35	-113	150
1405	65.15	7.54	0.490	16.19	2.0	0.27	-117	150
1408	65.15	7.55	0.489	15.96	2.1	0.26	-119	150

Sample Time: 1411 Sample ID: 775VM20R110QA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1015-11-01 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): WL-LF6\MW-22 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 7/5/12 Weather: Sunny 75°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

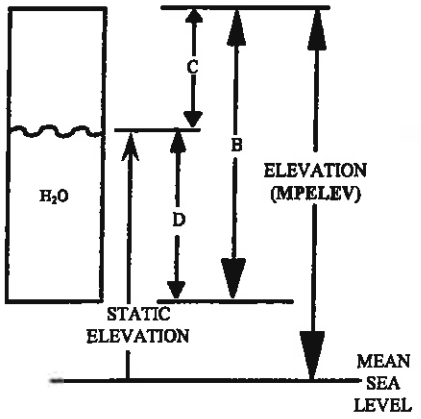
Measured Water Level Depth (C) (**STATDEP**) 14.35 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 35

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: CLEAR, No odor

Dissolved Ferrous Iron (mg/L): Remove 1170 mL H2O prior to reading

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1015	14.35	6.45	0.356	12.03	0.0	6.97	232	225
1017	14.35	6.51	0.357	11.68	0.0	6.74	232	225
1019	14.35	6.61	0.361	11.23	0.0	6.64	229	225
1021	14.35	6.75	0.371	11.20	0.0	6.27	223	225
1023	14.35	6.89	0.376	11.04	0.0	5.79	217	225
1025	14.35	7.01	0.379	11.02	0.0	5.59	212	225
1027	14.35	7.08	0.381	11.00	1.0	5.49	210	225
1029	14.35	7.08	0.384	11.17	0.8	5.39	211	225

Sample Time: 1031 Sample ID: LF6VM2235QA/C

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: YI-52

Model Number: FPM #1

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
6/25	4.00	4.00			
6/26	4.00	4.00			
~~6/27~~	~~4.00~~	~~3.95~~			
7/15	4.00	4.01	4.00		

FPM Remediations, Inc.
Equipment Calibration Log

Instrument Name: U-52

Model Number: FPM#2

Date	First Standard Concentration	First Standard Reading	Second Standard Concentration	Second Standard Reading	Comments
7/2	4.00	4.00			
7-5	4.00	3.99	4.01	4.00	

Daily Health and Safety Meeting Form

Date: 7/5/12 *Time Start:* 0900

Time End: 0915

Location: FPM Remediations office

Weather Conditions: sun 75°

Meeting Type: ~~E~~ Daily Health & Safety Meeting

Personnel Present: Josh Wenzel, Spencer Noyes

Visitors Present: —

Visitor Training: —

PPE Required: Modified D, Sunscreen

Possible risks, injuries, concerns: Biological, sun/heat exposure, slip/trip/fall

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NONE

Daily Health and Safety Meeting Form (Page 2)

Property Damage: _____

NONE

Description (include sequence of events describing step by step how incident happened):

NONE

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO and FOM, approved by PM, and implemented by SSHO):

NONE

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety & Health Officer

APPENDIX D

FPM Remediations, Inc.
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site Griffiss AFB Landfill 1
Water Sampling
Contract No. FA8903-10-D-8595, Delivery Order No. 0014

FPM Project No. 1015-11-01

TestAmerica Job #280-30335-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	8
Analytical Protocol:	DOD QSM, version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	June 21, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
LF1P0213UA	6/21/12	062112UE, 062112UF, 062112UR	6/21/12
LF1P0317UA	6/21/12		
LF1M1111UA	6/21/12		
LF1M1316UA	6/21/12	LF1M1316UC	6/21/12

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.

UA – Primary environmental samples

UC – Field duplicate samples

UE – Equipment Blank

UF – Ambient Blank

UR – Trip Blank

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical methods employed included SW-846: Volatile Organic Compounds (VOC) by Method SW8260B, Total Organic Carbon (TOC) by Method SW 9060A, Total Dissolved Solids by Method SM 2540C, Total Alkalinity by Method SM 2320B, Anions by Method SW9056, Ammonia by Method 350.1, Total Kjeldahl Nitrogen by Method 351.2, Color by Method SM 2120B, Hardness (as calcium carbonate) by Method SM 2340C, Chemical Oxygen Demand (COD) by Method 410.4, and Biochemical Oxygen Demand (BOD) by Method SM 5210B.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits (DLs) and limits of quantitation (LOQs)
- Holding times, sample preservation and storage
- Second source calibration verification summary
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control samples (LCS)
- Results reported between DL and LOQ (J-flag)
- MS tune performance
- Ambient, equipment, and trip blanks (as applicable)
- Surrogate spike recoveries
- Internal standard areas counts and retention times

- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between the DL and LOQ), the laboratory and/or data verifier qualified the subject results with a "J" flag. Since no qualification of associated field samples are required for blanks less than half the LOQ, no further action was taken in such instances.

MS/MSD

For several analytes, the lab performed matrix spike/matrix spike duplicate sample (MS/MSD) analyses for various field samples. However, these samples were not requested by the client in the chain-of-custody; therefore, no action was taken for the MS/MSD sample criterion.

DUPLICATES

For several analytes, the lab performed duplicate analyses for various field samples. However, these samples were not requested by the client in the chain-of-custody; therefore, no action was taken for the duplicate sample criterion.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- No QA/QC exceedances were encountered for the VOCs analyses.

WET CHEMISTRY ANALYTES

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The UFP QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above 5x the LOQ and the relative percent differences (RPDs) between the duplicate sample results exceed RPD control limits (20% for aqueous samples). If either the parent or the duplicate sample is less than 5x the LOQ, then the difference between the parent and duplicate sample must be less than 2x the LOQ. "J" flags for detects and "UJ" flags for non-detects are required per the QAPP for any exceedances.

The following table summarizes the RPDs of field duplicate sample set LF1M1316UA/UC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (mg/L)	Field Dup Result (mg/L)	LOQ (mg/L)	RPD or ±difference	Flag Applied	Rationale
LF1M1316UA	LF1M1316UC	Ammonia	0.14 B	0.21 B	0.10	0.07	None	Difference < 2xLOQ
LF1M1316UA	LF1M1316UC	TKN	1.1 B	1.4 B	1.0	0.3	None	Difference < 2xLOQ
LF1M1316UA	LF1M1316UC	COD	10 U	8.6 J	20	1.4	None	Difference < 2xLOQ
LF1M1316UA	LF1M1316UC	Bromide	0.13 J	0.13 J	0.50	0	None	Difference < 2xLOQ
LF1M1316UA	LF1M1316UC	Chloride	14	13	0.50	7.4	None	RPD < 20%
LF1M1316UA	LF1M1316UC	Sulfate	6.7	6.9	5.0	0.2	None	Difference < 2xLOQ
LF1M1316UA	LF1M1316UC	TOC	2.2	2.0	1.0	9.5	None	RPD < 20%
LF1M1316UA	LF1M1316UC	Color	45	50	5.0	10.5	None	RPD < 20%
LF1M1316UA	LF1M1316UC	Alkalinity	200	200	5.0	0	None	RPD < 20%
LF1M1316UA	LF1M1316UC	Hardness	190	180	5.0	5.4	None	RPD < 20%
LF1M1316UA	LF1M1316UC	TDS	220	220	10	0	None	RPD < 20%

Corrective Action: No qualifiers were applied to the results for samples LF1M1316UA/UC, since all RPDs and differences were within control limits.

- The following blank sample analyses indicated blank contaminants present at concentrations equal to or greater than half the limit of quantitation (LOQ). The Blank ID, detected contaminant, and concentration are listed.

Blank ID	Analyte	Concentration (mg/L)	LOQ (mg/L)	Samples Affected
062112UE	Ammonia	0.12	0.10	LF1P0317UA, LF1M1316UA, LF1M1316UC
	TKN	0.78 J	1.0	LF1P0213UA, LF1P0317UA, LF1M1111UA, LF1M1316UA, LF1M1316UC

The purpose of laboratory, equipment or trip blank analysis is to determine the existence and magnitude of contamination resulting from lab or field activities. If contamination is found in blanks the associated sample results for these analytes may be considered suspect. As per the QAPP, based on the blank contaminants present above half the LOQ, results for the specific analytes in the associated environmental samples are qualified with a "B" flag. However, in accordance with the EPA National Functional Guidelines and consistent with the QAPP, the "B" flag is **not** applied for sample results that are greater than five times (5x) the blank concentration. Thus the "B" flag is only applied to those samples for which the sample result is positive and less than five times (5x) the blank concentration.

Corrective Action: "B" flags were applied to the ammonia and TKN results for the field samples listed, since the associated results were less than 5x the blank concentration.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results of the samples for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

WET CHEMISTRY ANALYTES

Based on the evaluation of all information in the analytical data groups, the results of the samples for wet chemistry analytes are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # 280-30335-1 are valid and usable with qualifications as noted in the data review.

Signed: Concordia Van Hoesel Date: 9/6/12

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30335-1

Job Description: Griffiss AFB LF1 LTM

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Michelle Johnston
Project Manager I
7/20/2012 1:25 PM

Designee for
Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/20/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
Tel (303) 736-0100 Fax (303) 431-7171 www.testamericainc.com

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB LF1 LTM
Report Number: 280-30335-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
Eight samples were received on 06/22/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 2.0°C, 3.2°C and 3.8°C.

Sample collection dates and sample collection times were logged per the chain-of-custody, as this information was not present on the associated sample container labels. The client was notified on 06/22/2012.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples LF1P0213UA (280-30335-1), LF1M1111UA (280-30335-3), 062112UE (280-30335-6), 062112UF (280-30335-7) and 062112UR (280-30335-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/02/2012 and 07/03/2012.

No difficulties were encountered during the VOC analyses.

All quality control parameters were within the acceptance limits.

COLOR
Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for color in accordance with SM20 2120B - Colorimetric. The samples were analyzed on 06/22/2012.

No difficulties were encountered during the color analyses.

All quality control parameters were within the acceptance limits.

ALKALINITY
Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 06/26/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

HARDNESS
Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for hardness in accordance with SM20 2340C. The samples were analyzed on 07/17/2012.

No difficulties were encountered during the hardness analyses.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS
Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 06/27/2012.

No difficulties were encountered during the TDS analyses.

All quality control parameters were within the acceptance limits.

AMMONIA
Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 07/07/2012.

The MS/MSD associated with batch 280-126890 was performed on sample LF1P0213UA (280-30335-1). The MS/MSD exhibited spike compound recoveries outside the QC control limits for Ammonia. The acceptable LCS/LCSD analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary. The associated data in the parent sample has been flagged "J".

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

TOTAL KJELDAHL NITROGEN
Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 07/11/2012 and analyzed on 07/13/2012.

Nitrogen, Kjeldahl was detected in method blank MB 280-127380/3-A at a level that was less than ½ the reporting limit; therefore, corrective action was deemed unnecessary. The value should be considered an estimate, and has been flagged "J".

The MS/MSD associated with batch 280-127380 was performed on sample LF1P0213UA (280-30335-1). The MS/MSD exhibited spike compound recoveries outside the QC control limits for Nitrogen, Kjeldahl. The acceptable LCS/LCSD analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary. The associated data in the parent sample has been flagged "J".

No other difficulties were encountered during the TKN analyses.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND
Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for chemical oxygen demand in accordance with EPA Method 410.4. The samples were analyzed on 06/26/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

ANIONS (28 DAYS)
Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for anions (28 days) in accordance with EPA SW-846 Method 9056. The samples were analyzed on 06/22/2012.

The MS/MSD associated with batch 280-125528 was performed on sample LF1P0317UA (280-30335-2). The MS/MSD exhibited a spike compound recovery outside the QC control limits for Chloride. The acceptable LCS/LCSD analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary. The associated data in the parent sample has been flagged "J".

No other difficulties were encountered during the anions analyses.

All other quality control parameters were within the acceptance limits.

ANIONS (48 HOURS)
Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for anions (48 hours) in accordance with EPA SW-846 Method 9056A. The samples were analyzed on 06/22/2012.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON
Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 07/17/2012.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

BIOCHEMICAL OXYGEN DEMAND

Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for Biochemical Oxygen Demand in accordance with SM20 5210B. The samples were analyzed on 06/22/2012.

No difficulties were encountered during the BOD analyses.

All quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: MSV_R2 Analysis Batch Number: 124226

Lab Sample ID: IC 280-124226/5 Client Sample ID:

Date Analyzed: 06/15/12 08:22 Lab File ID: RR6390.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.66	Analyte not Identified by the Data System	dobransky m	06/15/12 11:00

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-20335-1

SDG No.:

Instrument ID: MSV_R2 Analysis Batch Number: 124226

Lab Sample ID: IC 280-124226/5 Client Sample ID:

Date Analyzed: 06/15/12 08:22 Lab File ID: RR6390.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.66	Analyte not Identified by the Data System	dobranskym	06/15/12 11:00

6/15/12

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30335-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30335-1	LF1P0213UA	Water	06/21/2012 1149	06/22/2012 0930
280-30335-2	LF1P0317UA	Water	06/21/2012 1049	06/22/2012 0930
280-30335-3	LF1M1111UA	Water	06/21/2012 1532	06/22/2012 0930
280-30335-4	LF1M1316UA	Water	06/21/2012 1515	06/22/2012 0930
280-30335-5FD	LF1M1316UC	Water	06/21/2012 1515	06/22/2012 0930
280-30335-6EB	062112UE	Water	06/21/2012 1615	06/22/2012 0930
280-30335-7FB	062112UF	Water	06/21/2012 1201	06/22/2012 0930
280-30335-8TB	062112UR	Water	06/21/2012 0815	06/22/2012 0930

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30335-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30335-1	**LF1P0213UA**					
1,2-Dichlorobenzene		0.33	J	1.0	ug/L	8260B/DoD
1,4-Dichlorobenzene		1.6		1.0	ug/L	8260B/DoD
Benzene		0.45	J	1.0	ug/L	8260B/DoD
Chlorobenzene		1.1		1.0	ug/L	8260B/DoD
Cyclohexane		0.56	J	2.0	ug/L	8260B/DoD
Ammonia		0.74	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.7	J	1.0	mg/L	351.2
Chemical Oxygen Demand		6.3	J	20	mg/L	410.4
Bromide		0.11	J	0.50	mg/L	9056A
Nitrate as N		0.087	J	0.50	mg/L	9056A
Chloride		5.2		3.0	mg/L	9056A
Nitrate Nitrite as N		0.087	J	0.50	mg/L	9056A
Total Organic Carbon - Quad		2.0		1.0	mg/L	9060A
Color		25		5.0	PCU	SM 2120B
Alkalinity		430		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		380		5.0	mg/L	SM 2340C
Total Dissolved Solids		410		10	mg/L	SM 2540C
Biochemical Oxygen Demand		4.8	J	5.0	mg/L	SM5210B
280-30335-2	**LF1P0317UA**					
Ammonia		0.32		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.1		1.0	mg/L	351.2
Bromide		0.15	J	0.50	mg/L	9056A
Nitrate as N		0.042	J	0.50	mg/L	9056A
Chloride		9.7	J	3.0	mg/L	9056A
Nitrate Nitrite as N		0.042	J	0.50	mg/L	9056A
Sulfate		2.0	J	5.0	mg/L	9056A
Total Organic Carbon - Quad		0.48	J	1.0	mg/L	9060A
Alkalinity		370		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		320		5.0	mg/L	SM 2340C
Total Dissolved Solids		370		10	mg/L	SM 2540C
Biochemical Oxygen Demand		3.0		2.5	mg/L	SM5210B

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30335-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30335-3	**LF1M1111UA**					
1,1-Dichloroethane		0.73	J	1.0	ug/L	8260B/DoD
1,2-Dichlorobenzene		5.8		1.0	ug/L	8260B/DoD
1,3-Dichlorobenzene		0.59	J	1.0	ug/L	8260B/DoD
1,4-Dichlorobenzene		6.4		1.0	ug/L	8260B/DoD
Benzene		1.6		1.0	ug/L	8260B/DoD
Chlorobenzene		6.8		1.0	ug/L	8260B/DoD
Chloroethane		0.52	J	2.0	ug/L	8260B/DoD
cis-1,2-Dichloroethene		0.20	J	1.0	ug/L	8260B/DoD
Cyclohexane		0.54	J	2.0	ug/L	8260B/DoD
Methylcyclohexane		0.55	J	2.0	ug/L	8260B/DoD
Ammonia		1.4		0.10	mg/L	350.1
Nitrogen, Kjeldahl		3.0		1.0	mg/L	351.2
Chemical Oxygen Demand		9.7	J	20	mg/L	410.4
Bromide		0.15	J	0.50	mg/L	9056A
Chloride		8.4		3.0	mg/L	9056A
Fluoride		0.22	J	1.0	mg/L	9056A
Orthophosphate as P		0.19	J	0.50	mg/L	9056A
Total Organic Carbon - Quad		2.8		1.0	mg/L	9060A
Color		25		5.0	PCU	SM 2120B
Alkalinity		510		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		470		5.0	mg/L	SM 2340C
Total Dissolved Solids		500		10	mg/L	SM 2540C
Biochemical Oxygen Demand		8.3		5.0	mg/L	SM5210B
280-30335-4	**LF1M1316UA**					
Ammonia		0.14		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.1		1.0	mg/L	351.2
Bromide		0.13	J	0.50	mg/L	9056A
Chloride		14		3.0	mg/L	9056A
Sulfate		6.7		5.0	mg/L	9056A
Total Organic Carbon - Quad		2.2		1.0	mg/L	9060A
Color		45		5.0	PCU	SM 2120B
Alkalinity		200		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		190		5.0	mg/L	SM 2340C
Total Dissolved Solids		220		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30335-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30335-5FD	**LF1M1316UC**					
Ammonia		0.21		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.4		1.0	mg/L	351.2
Chemical Oxygen Demand		8.6	J	20	mg/L	410.4
Bromide		0.13	J	0.50	mg/L	9056A
Chloride		14		3.0	mg/L	9056A
Sulfate		6.9		5.0	mg/L	9056A
Total Organic Carbon - Quad		2.0		1.0	mg/L	9060A
Color		50		5.0	PCU	SM 2120B
Alkalinity		200		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		180		5.0	mg/L	SM 2340C
Total Dissolved Solids		220		10	mg/L	SM 2540C
280-30335-6EB	**062112UE**					
Ammonia		0.12		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.78	J	1.0	mg/L	351.2
Chemical Oxygen Demand		5.3	J	20	mg/L	410.4
Total Organic Carbon - Quad		0.37	J	1.0	mg/L	9060A

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30335-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Nitrogen, Total Kjeldahl	TAL DEN	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL DEN		MCAWW 351.2
COD	TAL DEN	MCAWW 410.4	
Anions, Ion Chromatography	TAL DEN	SW846 9056A	
Organic Carbon, Total (TOC)	TAL DEN	SW846 9060A	
Color, Colorimetric	TAL DEN	SM SM 2120B	
Alkalinity	TAL DEN	SM SM 2320B	
Hardness, Total	TAL DEN	SM SM 2340C	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	
BOD, 5 Day	TAL DEN	SM SM5210B	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30335-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Dobransky, Michael E	MD
MCAWW 350.1	Wolff, Brett Q	BQW
MCAWW 351.2	Woolley, Mark	MW
MCAWW 410.4	Fayard, Maria	MF
SW846 9056A	Phan, Thu L	TLP
SW846 9060A	Bandy, Darlene F	DFB
SM SM 2120B	Ayala, Delaina	DA
SM SM 2320B	Gilbert, Bryan M	BMG
SM SM 2340C	Allen, Andrew J	AJA
SM SM 2540C	Domnick, Brandon J	BJD
SM SM5210B	Ayala, Delaina	DA

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: LF1P0213UA

Lab Sample ID: 280-30335-1
Client Matrix: Water

Date Sampled: 06/21/2012 1149
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6876.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1351			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1351				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.33	J	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	1.6		0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.45	J	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	1.1		0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: **LF1P0213UA**

Lab Sample ID: 280-30335-1
Client Matrix: Water

Date Sampled: 06/21/2012 1149
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6876.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1351			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1351				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.56	J	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	104		85 - 120
1,2-Dichloroethane-d4 (Surr)	85		70 - 120
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	91		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: LF1M1111UA

Lab Sample ID: 280-30335-3
Client Matrix: Water

Date Sampled: 06/21/2012 1532
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6928.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 0914			Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0914				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.73	J	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	5.8		0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.59	J	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	6.4		0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	1.6		0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	6.8		0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	0.52	J	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	J	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: LF1M1111UA

Lab Sample ID: 280-30335-3
Client Matrix: Water

Date Sampled: 06/21/2012 1532
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6928.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 0914			Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0914				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.54	J	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.55	J	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	107		85 - 120
1,2-Dichloroethane-d4 (Surr)	84		70 - 120
4-Bromofluorobenzene (Surr)	98		75 - 120
Dibromofluoromethane (Surr)	93		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: **062112UE**

Lab Sample ID: 280-30335-6EB
Client Matrix: Water

Date Sampled: 06/21/2012 1615
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6878.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1437			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1437				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: **062112UE**

Lab Sample ID: 280-30335-6EB
Client Matrix: Water

Date Sampled: 06/21/2012 1615
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6878.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1437			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1437				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	102		85 - 120
1,2-Dichloroethane-d4 (Surr)	82		70 - 120
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane (Surr)	88		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: 062112UF

Lab Sample ID: 280-30335-7FB
Client Matrix: Water

Date Sampled: 06/21/2012 1201
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6879.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1500			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1500				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: 062112UF

Lab Sample ID: 280-30335-7FB
Client Matrix: Water

Date Sampled: 06/21/2012 1201
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6879.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1500			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1500				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	105		85 - 120
1,2-Dichloroethane-d4 (Surr)	85		70 - 120
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	91		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: 062112UR

Lab Sample ID: 280-30335-8TB
Client Matrix: Water

Date Sampled: 06/21/2012 0815
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6880.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1523			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1523				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: **062112UR**

Lab Sample ID: 280-30335-8TB
Client Matrix: Water

Date Sampled: 06/21/2012 0815
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6880.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1523			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1523				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	106		85 - 120
1,2-Dichloroethane-d4 (Surr)	87		70 - 120
4-Bromofluorobenzene (Surr)	101		75 - 120
Dibromofluoromethane (Surr)	89		85 - 115

General Chemistry

Client Sample ID: **LF1P0213UA**

Lab Sample ID: 280-30335-1
Client Matrix: Water

Date Sampled: 06/21/2012 1149
Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.74	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1203						
Nitrogen, Kjeldahl	1.7	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127774	Analysis Date: 07/13/2012 1920						
Prep Batch: 280-127380	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	6.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.11	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1155						
Nitrate as N	0.087	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1155						
Chloride	5.2		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1155						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1155						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1155						
Nitrate Nitrite as N	0.087	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1155						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1155						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1155						
Total Organic Carbon - Quad	2.0		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0641						
Color	25		PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	430		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1311						
Hardness as calcium carbonate	380		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	410		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	4.8	J	mg/L	0.59	5.0	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1212						

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General Chemistry

Client Sample ID: **LF1P0317UA**

Lab Sample ID: 280-30335-2
Client Matrix: Water

Date Sampled: 06/21/2012 1049
Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.32	B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1207						
Nitrogen, Kjeldahl	1.1	B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127774	Analysis Date: 07/13/2012 1926						
Prep Batch: 280-127380	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.15	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1211						
Nitrate as N	0.042	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1211						
Chloride	9.7	J	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1211						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1211						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1211						
Nitrate Nitrite as N	0.042	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1211						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1211						
Sulfate	2.0	J	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1211						
Total Organic Carbon - Quad	0.48	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0659						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	370		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1338						
Hardness as calcium carbonate	320		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	370		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	3.0		mg/L	0.30	2.5	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1213						

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9/6/12

General Chemistry

Client Sample ID: **LF1M1111UA**

Lab Sample ID: 280-30335-3
Client Matrix: Water

Date Sampled: 06/21/2012 1532
Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	1.4		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1209						
Nitrogen, Kjeldahl	3.0	B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127774	Analysis Date: 07/13/2012 1928						
Prep Batch: 280-127380	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	9.7	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.15	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1319						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1319						
Chloride	8.4		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1319						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1319						
Fluoride	0.22	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1319						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1319						
Orthophosphate as P	0.19	J	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1319						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1319						
Total Organic Carbon - Quad	2.8		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0714						
Color	25		PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	510		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1348						
Hardness as calcium carbonate	470		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	500		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	8.3		mg/L	0.59	5.0	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1215						

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General Chemistry

Client Sample ID: **LF1M1316UA**

Lab Sample ID: 280-30335-4
Client Matrix: Water

Date Sampled: 06/21/2012 1515
Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.14	B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1210						
Nitrogen, Kjeldahl	1.1	B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127774	Analysis Date: 07/13/2012 1931						
Prep Batch: 280-127380	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.13	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1335						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1335						
Chloride	14		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1335						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1335						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1335						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1335						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1335						
Sulfate	6.7		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1335						
Total Organic Carbon - Quad	2.2		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0732						
Color	45		PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	200		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1353						
Hardness as calcium carbonate	190		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	220		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1216						

CWA 9/10/12

General Chemistry

Client Sample ID: **LF1M1316UC**

Lab Sample ID: 280-30335-5FD
Client Matrix: Water

Date Sampled: 06/21/2012 1515
Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.21	B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1221						
Nitrogen, Kjeldahl	1.4	B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127774	Analysis Date: 07/13/2012 1933						
Prep Batch: 280-127380	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	8.6	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.13	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1352						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1352						
Chloride	14		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1352						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1352						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1352						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1352						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1352						
Sulfate	6.9		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1352						
Total Organic Carbon - Quad	2.0		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0748						
Color	50		PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	200		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1358						
Hardness as calcium carbonate	180		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	220		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1217						

General Chemistry

Client Sample ID: 062112UE

Lab Sample ID: 280-30335-6EB
Client Matrix: Water

Date Sampled: 06/21/2012 1615
Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.12		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1222						
Nitrogen, Kjeldahl	0.78	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127774	Analysis Date: 07/13/2012 1934						
Prep Batch: 280-127380	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	5.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1409						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1409						
Chloride	0.50	U	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1409						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1409						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1409						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1409						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1409						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1409						
Total Organic Carbon - Quad	0.37	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0807						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	2.0	U	mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1401						
Hardness as calcium carbonate	1.5	U	mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	10	U	mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1218						

FPM Remediations, Inc.
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site Griffiss AFB Landfill 1
Water Sampling
Contract No. FA8903-10-D-8595, Delivery Order No. 0014

FPM Project No. 1015-11-01

TestAmerica Job #280-30425-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	10
Analytical Protocol:	DOD QSM, version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	June 25, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
LF1P0525UA	6/25/12	062512UE, 062512UF, 062512UR	6/25/12
LF1M0526UA	6/25/12		
LF1M0620UA	6/25/12		
LF1M1030UA	6/25/12	LF1M1030UC	6/25/12
LF1M1212UA	6/25/12		
MWSAR0324UA	6/25/12		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.

UA – Primary environmental samples
UC – Field duplicate samples
UE – Equipment Blank
UF – Ambient Blank
UR – Trip Blank

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical methods employed included SW-846: Volatile Organic Compounds (VOC) by Method SW8260B, Total Organic Carbon (TOC) by Method SW 9060A, Total Dissolved Solids by Method SM 2540C, Total Alkalinity by Method SM 2320B, Anions by Method SW9056, Ammonia by Method 350.1, Total Kjeldahl Nitrogen by Method 351.2, Color by Method SM 2120B, Hardness (as calcium carbonate) by Method SM 2340C, Chemical Oxygen Demand (COD) by Method 410.4, and Biochemical Oxygen Demand (BOD) by Method SM 5210B.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits (DLs) and limits of quantitation (LOQs)
- Holding times, sample preservation and storage
- Second source calibration verification summary
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control samples (LCS)
- Results reported between DL and LOQ (J-flag)
- MS tune performance
- Ambient, equipment, and trip blanks (as applicable)
- Surrogate spike recoveries
- Internal standard areas counts and retention times

- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between the DL and LOQ), the laboratory and/or data verifier qualified the subject results with a "J" flag. Since no qualification of associated field samples are required for blanks less than half the LOQ, no further action was taken in such instances.

DUPLICATES

For several analytes, the lab performed duplicate analyses for various field samples. However, these samples were not requested by the client in the chain-of-custody; therefore, no action was taken for the duplicate sample criterion.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- Laboratory performance on individual samples is established by means of spiking all samples prior to analysis with surrogate compounds and assessing the percent recoveries. The following table summarizes QC exceedances for surrogate recoveries. The sample ID, percent recovery, and QC limits are listed.

Sample ID	Surrogate	%Rec	QC Limits (%)	Flag Applied	Rationale
062512UE	Toluene-d8	***124***	85-120	None	%Rec > UCL; associated results non-detect

For VOCs, if the recoveries for one or more surrogates are outside control limits, corrective action shall be implemented: the sample shall be reextracted and reanalyzed. If the corrective action is ineffective in resolving the exceedance, then all analytes associated with the surrogate fraction in that sample are qualified. For samples with surrogate recoveries greater than the upper control limit, positive sample results are considered estimated (flagged "J"). For samples with surrogate recoveries greater than 10% but less than the lower control limit, positive results are considered estimated (flagged "J") and non-detect results are considered estimated (flagged "UJ"). For samples with surrogate recoveries less than 10%, the results are rejected for the analytes. However, using professional judgment, no corrective action and/or flagging is required for minimal exceedances (i.e., within 1% of the control limits).

Corrective Action: According to the case narrative, sample 062512UE was not re-extracted since the recovery was above the upper control limit. Using professional judgment, no flagging was deemed necessary since the exceedance indicates a positive bias and all results were non-detect.

WET CHEMISTRY ANALYTES

- The laboratory performed duplicate analyses on various wet chemistry analytes.
  Corrective Action: No corrective action was required since all associated RPD exceedances (i.e., the RPD exceeded 15%) were for results below the reporting limit.

- The following table summarizes QC exceedances of the matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and/or RPDs for parent samples LF1M1030UA/UC. The spike analytes, MS recoveries, MSD recoveries, spike recovery QC limits, and RPDs and their QC limit between the MS and MSD are listed.

Parent Samples: LF1M1030UA/UC

Spike Compounds	MS %Rec	MSD %Rec	AFCEE QC Limits	RPD % (AFCEE limit 20%)	Flag Applied	Rationale
Ammonia	***41***	***40***	90-110	1	J	%Rec < LCL
TKN	***63***	***63***	90-110	0	J	% Rec < LCL
Orthophosphat	115	***122***	80-120	6	None	% Rec > UCL; associated results non-

Spike Compounds	MS %Rec	MSD %Rec	AFCEE QC Limits	RPD % (AFCEE limit 20%)	Flag Applied	Rationale
e						detect

Data for matrix spike/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices. Generally, these data alone cannot be used to evaluate the precision and accuracy of individual samples. A matrix spike and matrix spike duplicate analysis is an aliquot of sample spiked with known concentrations of all the analytes in the method. According to the QAPP, the MS/MSD result is used to assess whether the sample matrix may bias the results. Exceedances of either percent recovery (%Rec) control limits of spike concentrations or relative percent difference (RPD) control limits between the MS and MSD results, according to the QAPP require a "J" (matrix effect) qualifier for the specific analyte in all samples collected from the same site matrix as the parent. However, due to the varied nature of environmental samples, such as locations, depths, physical characteristics (dissolved and suspended solids, turbidity, pH, organic content, etc.), it is difficult to assign one set of MS/MSD sample analysis as truly representative of an entire site matrix. Therefore, based on the definition of this type of QA/QC sample, using professional judgment it is deemed inappropriate to qualify more than the actual parent sample due to a percent recovery or RPD exceedance. This approach is in accordance with the EPA National Functional guidelines, which states that the MS/MSD results are not used alone to qualify the entire data package, however, can be used in conjunction with other QC criteria to determine the need for some qualification of the data. Using professional judgment, no corrective action and/or flagging is deemed required for minimal exceedances (i.e., within 1% of the control limits).

Corrective Action: As discussed above, "J" flags were applied to the associated results for ammonia and TKN in the parent samples only. For orthophosphate, the exceedance indicated a positive bias, so no qualifiers were applied since the associated results were non-detect.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The UFP QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above 5x the LOQ and the relative percent differences (RPDs) between the duplicate sample results exceed RPD control limits (20% for aqueous samples). If either the parent or the duplicate sample is less than 5x the LOQ, then the difference between the parent and duplicate sample must be less than 2x the LOQ. "J" flags for detects and "UJ" flags for non-detects are required per the QAPP for any exceedances.

The following table summarizes the RPDs of field duplicate sample set LF1M1030UA/UC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (mg/L)	Field Dup Result (mg/L)	LOQ (mg/L)	RPD or ±difference	Flag Applied	Rationale

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (mg/L)	Field Dup Result (mg/L)	LOQ (mg/L)	RPD or ±difference	Flag Applied	Rationale
LF1M1030UA	LF1M1030UC	Ammonia	0.11 BJ	0.11 JB	0.10	0	None	Difference < 2xLOQ
LF1M1030UA	LF1M1030UC	TKN	0.70 J	0.59 J	1.0	0.11	None	Difference < 2xLOQ
LF1M1030UA	LF1M1030UC	COD	10 U	7.0 J	20	3.0	None	Difference < 2xLOQ
LF1M1030UA	LF1M1030UC	Nitrate	0.58	0.59	0.50	0.01	None	Difference < 2xLOQ
LF1M1030UA	LF1M1030UC	Chloride	1.9 J	0.33 J	0.50	1.57	J	Difference > 2xLOQ
LF1M1030UA	LF1M1030UC	Fluoride	0.10 U	0.075 J	1.0	0.025	None	Difference < 2xLOQ
LF1M1030UA	LF1M1030UC	Nitrate-nitrite	0.58	0.59	0.50	0.01	None	Difference < 2xLOQ
LF1M1030UA	LF1M1030UC	Sulfate	6.0	6.0	5.0	0	None	Difference < 2xLOQ
LF1M1030UA	LF1M1030UC	TOC	0.69 J	0.78 J	1.0	0.09	None	Difference < 2xLOQ
LF1M1030UA	LF1M1030UC	Alkalinity	230	230	5.0	0	None	RPD < 20%
LF1M1030UA	LF1M1030UC	Hardness	220	210	5.0	4.7	None	RPD < 20%
LF1M1030UA	LF1M1030UC	TDS	240	240	10	0	None	RPD < 20%

Corrective Action: "J" qualifiers were applied to the chloride results for samples LF1M1030UA/UC, since the total difference exceeded twice the LOQ ("J" qualifiers had already been assigned to the results since they were less than the LOQ but greater than the DL). All other RPDs and differences were within control limits.

- The following blank sample analyses indicated blank contaminants present at concentrations equal to or greater than half the limit of quantitation (LOQ). The Blank ID, detected contaminant, and concentration are listed.

Blank ID	Analyte	Concentration (mg/L)	LOQ (mg/L)	Samples Affected
062512UE	Ammonia	0.078 J	0.10	LF1P0525UA, LF1M1030UA, LF1M1030UC, LF1M1212UA, MWSAR0324UA

The purpose of laboratory, equipment or trip blank analysis is to determine the existence and magnitude of contamination resulting from lab or field activities. If contamination is found in blanks the associated sample results for these analytes may be considered suspect. As per the QAPP, based on the blank contaminants present above half the LOQ, results for the

specific analytes in the associated environmental samples are qualified with a "B" flag. However, in accordance with the EPA National Functional Guidelines and consistent with the QAPP, the "B" flag is **not** applied for sample results that are greater than five times (5x) the blank concentration. Thus the "B" flag is only applied to those samples for which the sample result is positive and less than five times (5x) the blank concentration.

Corrective Action: "B" flags were applied to the ammonia results for the field samples listed, since the associated results were less than 5x the blank concentration.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results of the samples for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

WET CHEMISTRY ANALYTES

Based on the evaluation of all information in the analytical data groups, the results of the samples for wet chemistry analytes are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # 280-30425-1 are valid and usable with qualifications as noted in the data review.

Signed: Concordia Van Hoesel Date: 9/8/12

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30425-1

Job Description: Griffiss AFB LF1

For:
FPM Remediations Inc
534 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

M. Elaine Walker

Approved for release.
Elaine Walker
Project Manager I
7/26/2012 1:00 PM

Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/26/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB LF1
Report Number: 280-30425-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
Ten samples were received on 06/26/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.6°C, 3.4°C, and 1.3°C.

MS/MSD analyses were requested and performed on sample LF1M1030UA (280-30425-4). Please note: MS/MSD are not performed for the following analyses: TDS, Color, Alkalinity, and BOD.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), 062512UE (280-30425-8), 062512UF (280-30425-9), and 062512UR (280-30425-10) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/05/2012.

The Toluene-d8 surrogate failed the recovery criteria high for sample 062512UE (280-30425-8) at 124%, with an upper limit of 120%. This sample did not contain any associated target analytes; therefore, reanalysis was not performed. The analytes associated to this surrogate have been flagged "Q".

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

AMMONIA
Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 07/09/2012.

Ammonia was detected in method blank MB 280-127015/109 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Ammonia was detected in method blank MB 280-127015/20 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The matrix spike / matrix spike duplicate (MS/MSD) for batch 280-127015, performed on sample LF1M1030UA (280-30425-4), were outside control limits. The associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

TOTAL KJELDAHL NITROGEN
Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 07/17/2012 and analyzed on 07/19/2012.

Nitrogen, Kjeldahl was detected in method blank MB 280-128145/3-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for TKN batch 280-128608, performed on sample LF1M1030UA (280-30425-4), were outside control limits. The associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the TKN analyses.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for chemical oxygen demand in accordance with EPA Method 410.4. The samples were analyzed on 07/03/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

ANIONS

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for anions in accordance with EPA SW-846 Method 9056. The samples were analyzed on 06/26/2012.

For Orthophosphate batch 280-125720, the absolute value of the intercept was not less than half the reporting limit (RL). All of the samples were ND, and were therefore reported.

The matrix spike duplicate (MSD) recovery for sample LF1M1030UA (280-30425-4), associated with batch 280-125720 were outside control limits for Orthophosphate. The matrix spike (MS) and associated laboratory control sample (LCS/LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

For Chloride batch 280-125720, the sample duplicate %RPD for sample LF1M1030UA (280-30425-4) was outside of control limits. However, the sample was less than the laboratory's standard reporting limits (RL). The %RPD for the LCS/LCSD was in control, and the results have been flagged accordingly.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 07/17/2012.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

COLOR

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for color in accordance with SM20 2120B - Colorimetric. The samples were analyzed on 06/27/2012.

No difficulties were encountered during the color analyses.

All quality control parameters were within the acceptance limits.

ALKALINITY

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 07/02/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

HARDNESS

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for hardness in accordance with SM20 2340C. The samples were analyzed on 07/19/2012.

No difficulties were encountered during the hardness analyses.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 07/02/2012.

No difficulties were encountered during the TDS analyses.

All quality control parameters were within the acceptance limits.

BIOCHEMICAL OXYGEN DEMAND

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for Biochemical Oxygen Demand in accordance with SM20 5210B. The samples were analyzed on 06/27/2012.

No difficulties were encountered during the BOD analyses.

All quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: MSV_H Analysis Batch Number: 126680

Lab Sample ID: IC 280-126680/4 Client Sample ID:

Date Analyzed: 07/02/12 13:15 Lab File ID: H4457.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	3.62	Split Peak	meierg	07/03/12 06:12
Ethanol	3.82	Analyte not Identified by the Data System	meierg	07/02/12 14:43
Acetone	4.23	Split Peak	meierg	07/03/12 06:16

Lab Sample ID: IC 280-126680/5 Client Sample ID:

Date Analyzed: 07/02/12 13:37 Lab File ID: H4458.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.84	Baseline Event	meierg	07/03/12 06:15

Lab Sample ID: IC 280-126680/8 Client Sample ID:

Date Analyzed: 07/02/12 14:44 Lab File ID: H4461.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	3.62	Split Peak	meierg	07/03/12 06:12
Acetonitrile	4.60	Mis-Integrated	meierg	07/03/12 06:20

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: MSV_H Analysis Batch Number: 126680

Lab Sample ID: IC 280-126680/4 Client Sample ID:

Date Analyzed: 07/02/12 13:15 Lab File ID: H4457.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	3.62	Split Peak	meierg	07/03/12 06:12
Ethanol	3.82	Analyte not Identified by the Data System	meierg	07/02/12 14:43
Acetone	4.23	Split Peak	meierg	07/03/12 06:16

Lab Sample ID: IC 280-126680/5 Client Sample ID:

Date Analyzed: 07/02/12 13:37 Lab File ID: H4458.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.84	Baseline Event	meierg	07/03/12 06:15

Lab Sample ID: IC 280-126680/8 Client Sample ID:

Date Analyzed: 07/02/12 14:44 Lab File ID: H4461.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	3.62	Split Peak	meierg	07/03/12 06:12
Acetonitrile	4.20	Mis-Integrated	meierg	07/03/12 06:20

MM-7/10

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30425-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30425-1	LF1P0525UA	Water	06/25/2012 1417	06/26/2012 0930
280-30425-2	LF1M0526UA	Water	06/25/2012 1335	06/26/2012 0930
280-30425-3	LF1M0620UA	Water	06/25/2012 1545	06/26/2012 0930
280-30425-4	LF1M1030UA	Water	06/25/2012 1242	06/26/2012 0930
280-30425-4MS	LF1M1030UA	Water	06/25/2012 1242	06/26/2012 0930
280-30425-4MSD	LF1M1030UA	Water	06/25/2012 1242	06/26/2012 0930
280-30425-5FD	LF1M1030UC	Water	06/25/2012 1242	06/26/2012 0930
280-30425-6	LF1M1212UA	Water	06/25/2012 1131	06/26/2012 0930
280-30425-7	MWSAR0324UA	Water	06/25/2012 1532	06/26/2012 0930
280-30425-8EB	062512UE	Water	06/25/2012 1615	06/26/2012 0930
280-30425-9FB	062512UF	Water	06/25/2012 1145	06/26/2012 0930
280-30425-10TB	062512UR	Water	06/25/2012 0925	06/26/2012 0930

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30425-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30425-1	**LF1P0525UA**					
Ammonia		0.21		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.0		1.0	mg/L	351.2
Bromide		0.14	J	0.50	mg/L	9056A
Nitrate as N		0.068	J	0.50	mg/L	9056A
Chloride		8.7		3.0	mg/L	9056A
Nitrate Nitrite as N		0.068	J	0.50	mg/L	9056A
Total Organic Carbon - Quad		1.9		1.0	mg/L	9060A
Alkalinity		310		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		260		5.0	mg/L	SM 2340C
Total Dissolved Solids		320		10	mg/L	SM 2540C
280-30425-2	**LF1M0526UA**					
1,1-Dichloroethane		0.19	J	1.0	ug/L	8260B/DoD
1,4-Dichlorobenzene		0.44	J	1.0	ug/L	8260B/DoD
Benzene		1.8		1.0	ug/L	8260B/DoD
Chlorobenzene		1.2		1.0	ug/L	8260B/DoD
cis-1,2-Dichloroethene		0.30	J	1.0	ug/L	8260B/DoD
Cyclohexane		0.98	J	2.0	ug/L	8260B/DoD
Ammonia		0.76		0.10	mg/L	350.1
Nitrogen, Kjeldahl		2.0		1.0	mg/L	351.2
Chemical Oxygen Demand		9.3	J	20	mg/L	410.4
Bromide		0.18	J	0.50	mg/L	9056A
Chloride		11		3.0	mg/L	9056A
Fluoride		0.12	J	1.0	mg/L	9056A
Total Organic Carbon - Quad		2.2		1.0	mg/L	9060A
Alkalinity		400		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		350		5.0	mg/L	SM 2340C
Total Dissolved Solids		410		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30425-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30425-3	**LF1M0620UA**					
Benzene		0.27	J	1.0	ug/L	8260B/DoD
Bromoform		0.27	J	1.0	ug/L	8260B/DoD
Ammonia		0.44		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.5		1.0	mg/L	351.2
Chemical Oxygen Demand		8.0	J	20	mg/L	410.4
Bromide		0.21	J	0.50	mg/L	9056A
Nitrate as N		0.052	J	0.50	mg/L	9056A
Chloride		18		3.0	mg/L	9056A
Nitrate Nitrite as N		0.052	J	0.50	mg/L	9056A
Total Organic Carbon - Quad		1.1		1.0	mg/L	9060A
Color		25		5.0	PCU	SM 2120B
Alkalinity		360		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		290		5.0	mg/L	SM 2340C
Total Dissolved Solids		380		10	mg/L	SM 2540C
Biochemical Oxygen Demand		2.6		2.5	mg/L	SM5210B
280-30425-4	**LF1M1030UA**					
Ammonia		0.11	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.70	J	1.0	mg/L	351.2
Nitrate as N		0.58		0.50	mg/L	9056A
Chloride		1.9	J	3.0	mg/L	9056A
Nitrate Nitrite as N		0.58		0.50	mg/L	9056A
Sulfate		6.0		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.69	J	1.0	mg/L	9060A
Alkalinity		230		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		220		5.0	mg/L	SM 2340C
Total Dissolved Solids		240		10	mg/L	SM 2540C
280-30425-5FD	**LF1M1030UC**					
Ammonia		0.11		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.59	J	1.0	mg/L	351.2
Chemical Oxygen Demand		7.0	J	20	mg/L	410.4
Nitrate as N		0.59		0.50	mg/L	9056A
Chloride		0.33	J	3.0	mg/L	9056A
Fluoride		0.075	J	1.0	mg/L	9056A
Nitrate Nitrite as N		0.59		0.50	mg/L	9056A
Sulfate		6.0		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.78	J	1.0	mg/L	9060A
Alkalinity		230		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		210		5.0	mg/L	SM 2340C
Total Dissolved Solids		240		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30425-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30425-6	**LF1M1212UA**					
Trichloroethene		0.64	J	1.0	ug/L	8260B/DoD
Ammonia		0.083	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.80	J	1.0	mg/L	351.2
Chemical Oxygen Demand		10	J	20	mg/L	410.4
Chloride		5.0		3.0	mg/L	9056A
Sulfate		1.8	J	5.0	mg/L	9056A
Total Organic Carbon - Quad		0.66	J	1.0	mg/L	9060A
Color		25		5.0	PCU	SM 2120B
Alkalinity		160		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		150		5.0	mg/L	SM 2340C
Total Dissolved Solids		180		10	mg/L	SM 2540C
Biochemical Oxygen Demand		1.4	J	2.0	mg/L	SM5210B
280-30425-7	**MWSAR0324UA**					
1,4-Dichlorobenzene		0.73	J	1.0	ug/L	8260B/DoD
Benzene		0.34	J	1.0	ug/L	8260B/DoD
Vinyl chloride		6.0		1.5	ug/L	8260B/DoD
Ammonia		0.22		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.84	J	1.0	mg/L	351.2
Chemical Oxygen Demand		9.0	J	20	mg/L	410.4
Chloride		6.6		3.0	mg/L	9056A
Sulfate		0.40	J	5.0	mg/L	9056A
Total Organic Carbon - Quad		1.4		1.0	mg/L	9060A
Alkalinity		80		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		81		5.0	mg/L	SM 2340C
Total Dissolved Solids		120		10	mg/L	SM 2540C
Biochemical Oxygen Demand		2.8		2.5	mg/L	SM5210B
280-30425-8EB	**062512UE**					
Acetone		3.7	J	10	ug/L	8260B/DoD
Ammonia		0.078	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.46	J	1.0	mg/L	351.2
Nitrate as N		0.11	J	0.50	mg/L	9056A
Chloride		0.49	J	3.0	mg/L	9056A
Nitrate Nitrite as N		0.11	J	0.50	mg/L	9056A
Total Organic Carbon - Quad		0.25	J	1.0	mg/L	9060A
280-30425-9FB	**062512UF**					
Acetone		3.4	J	10	ug/L	8260B/DoD

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30425-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Nitrogen, Total Kjeldahl	TAL DEN	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL DEN		MCAWW 351.2
COD	TAL DEN	MCAWW 410.4	
Anions, Ion Chromatography	TAL DEN	SW846 9056A	
Organic Carbon, Total (TOC)	TAL DEN	SW846 9060A	
Color, Colorimetric	TAL DEN	SM SM 2120B	
Alkalinity	TAL DEN	SM SM 2320B	
Hardness, Total	TAL DEN	SM SM 2340C	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	
BOD, 5 Day	TAL DEN	SM SM5210B	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30425-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Meier, Greg P	GPM
MCAWW 350.1	Wolff, Brett Q	BQW
MCAWW 351.2	Woolley, Mark	MW
MCAWW 410.4	Fayard, Maria	MF
SW846 9056A	Kudla, Ewa	EK
SW846 9060A	Bandy, Darlene F	DFB
SM SM 2120B	Ayala, Delaina	DA
SM SM 2320B	Allen, Andrew J	AJA
SM SM 2340C	Allen, Andrew J	AJA
SM SM 2540C	Domnick, Brandon J	BJD
SM SM5210B	Ayala, Delaina	DA

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **LF1M0526UA**

Lab Sample ID: 280-30425-2
Client Matrix: Water

Date Sampled: 06/25/2012 1335
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4544.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1334			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1334				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.19	J	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.44	J	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	1.8		0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	1.2		0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.30	J	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: LF1M0526UA

Lab Sample ID: 280-30425-2
Client Matrix: Water

Date Sampled: 06/25/2012 1335
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B/DoD
Prep Method: 5030B
Dilution: 1.0
Analysis Date: 07/05/2012 1334
Prep Date: 07/05/2012 1334

Analysis Batch: 280-126758
Prep Batch: N/A

Instrument ID: MSV_H
Lab File ID: H4544.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.98	J	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	108		85 - 120
1,2-Dichloroethane-d4 (Surr)	91		70 - 120
4-Bromofluorobenzene (Surr)	102		75 - 120
Dibromofluoromethane (Surr)	98		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: LF1M0620UA

Lab Sample ID: 280-30425-3
Client Matrix: Water

Date Sampled: 06/25/2012 1545
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4545.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1357			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1357				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.27	J	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.27	J	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: LF1M0620UA

Lab Sample ID: 280-30425-3
Client Matrix: Water

Date Sampled: 06/25/2012 1545
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4545.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1357			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1357				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	116		85 - 120
1,2-Dichloroethane-d4 (Surr)	97		70 - 120
4-Bromofluorobenzene (Surr)	110		75 - 120
Dibromofluoromethane (Surr)	105		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **LF1M1030UA**

Lab Sample ID: 280-30425-4
Client Matrix: Water

Date Sampled: 06/25/2012 1242
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4540.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1205			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1205				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **LF1M1030UA**

Lab Sample ID: 280-30425-4
Client Matrix: Water

Date Sampled: 06/25/2012 1242
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4540.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1205			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1205				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	112		85 - 120
1,2-Dichloroethane-d4 (Surr)	91		70 - 120
4-Bromofluorobenzene (Surr)	103		75 - 120
Dibromofluoromethane (Surr)	99		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: LF1M1030UC

Lab Sample ID: 280-30425-5FD
Client Matrix: Water

Date Sampled: 06/25/2012 1242
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4546.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1419			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1419				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: LF1M1030UC

Lab Sample ID: 280-30425-5FD
Client Matrix: Water

Date Sampled: 06/25/2012 1242
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4546.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1419			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1419				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	111		85 - 120
1,2-Dichloroethane-d4 (Surr)	90		70 - 120
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	97		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **LF1M1212UA**

Lab Sample ID: 280-30425-6
Client Matrix: Water

Date Sampled: 06/25/2012 1131
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4547.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1441			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1441				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: LF1M1212UA

Lab Sample ID: 280-30425-6
Client Matrix: Water

Date Sampled: 06/25/2012 1131
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B/DoD
Prep Method: 5030B
Dilution: 1.0
Analysis Date: 07/05/2012 1441
Prep Date: 07/05/2012 1441

Analysis Batch: 280-126758
Prep Batch: N/A

Instrument ID: MSV_H
Lab File ID: H4547.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.64	J	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	116		85 - 120
1,2-Dichloroethane-d4 (Surr)	95		70 - 120
4-Bromofluorobenzene (Surr)	107		75 - 120
Dibromofluoromethane (Surr)	102		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **MWSAR0324UA**

Lab Sample ID: 280-30425-7
Client Matrix: Water

Date Sampled: 06/25/2012 1532
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4548.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1504			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1504				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.73	J	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.34	J	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **MWSAR0324UA**

Lab Sample ID: 280-30425-7
Client Matrix: Water

Date Sampled: 06/25/2012 1532
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4548.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1504			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1504				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	6.0		0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	109		85 - 120
1,2-Dichloroethane-d4 (Surr)	93		70 - 120
4-Bromofluorobenzene (Surr)	103		75 - 120
Dibromofluoromethane (Surr)	98		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: 062512UE

Lab Sample ID: 280-30425-8EB
Client Matrix: Water

Date Sampled: 06/25/2012 1615
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4549.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1526			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1526				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	3.7	J	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

9/7/12

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: 062512UE

Lab Sample ID: 280-30425-8EB
Client Matrix: Water

Date Sampled: 06/25/2012 1615
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4549.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1526			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1526				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	124	Q	85 - 120
1,2-Dichloroethane-d4 (Surr)	100		70 - 120
4-Bromofluorobenzene (Surr)	112		75 - 120
Dibromofluoromethane (Surr)	108		85 - 115

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9/7/12

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: 062512UF

Lab Sample ID: 280-30425-9FB
Client Matrix: Water

Date Sampled: 06/25/2012 1145
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4550.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1548			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1548				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	3.4	J	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: 062512UF

Lab Sample ID: 280-30425-9FB

Client Matrix: Water

Date Sampled: 06/25/2012 1145

Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4550.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1548			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1548				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	105		85 - 120
1,2-Dichloroethane-d4 (Surr)	88		70 - 120
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	94		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: 062512UR

Lab Sample ID: 280-30425-10TB
Client Matrix: Water

Date Sampled: 06/25/2012 0925
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4551.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1610			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1610				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: 062512UR

Lab Sample ID: 280-30425-10TB
Client Matrix: Water

Date Sampled: 06/25/2012 0925
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4551.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1610			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1610				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	112		85 - 120
1,2-Dichloroethane-d4 (Surr)	90		70 - 120
4-Bromofluorobenzene (Surr)	105		75 - 120
Dibromofluoromethane (Surr)	98		85 - 115

General Chemistry

Client Sample ID: LF1P0525UA

Lab Sample ID: 280-30425-1
Client Matrix: Water

Date Sampled: 06/25/2012 1417
Date Received: 06/26/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.21	B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1353						
Nitrogen, Kjeldahl	1.0		mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/19/2012 2323						
Prep Batch: 280-128145	Prep Date: 07/17/2012 1753						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126482	Analysis Date: 07/03/2012 0926						
Bromide	0.14	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1215						
Nitrate as N	0.068	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1215						
Chloride	8.7		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1215						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1215						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1215						
Nitrate Nitrite as N	0.068	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1215						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1215						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1215						
Total Organic Carbon - Quad	1.9		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0823						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126228	Analysis Date: 06/27/2012 0900						
Alkalinity	310		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1255						
Hardness as calcium carbonate	260		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	320		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126303	Analysis Date: 07/02/2012 0955						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0720						

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General Chemistry

Client Sample ID: LF1M0526UA

Lab Sample ID: 280-30425-2
Client Matrix: Water

Date Sampled: 06/25/2012 1335
Date Received: 06/26/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.76		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1355						
Nitrogen, Kjeldahl	2.0		mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/19/2012 2325						
Prep Batch: 280-128145	Prep Date: 07/17/2012 1753						
Chemical Oxygen Demand	9.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126482	Analysis Date: 07/03/2012 0926						
Bromide	0.18	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1232						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1232						
Chloride	11		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1232						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1232						
Fluoride	0.12	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1232						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1232						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1232						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1232						
Total Organic Carbon - Quad	2.2		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0839						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126228	Analysis Date: 06/27/2012 0900						
Alkalinity	400		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1305						
Hardness as calcium carbonate	350		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	410		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126303	Analysis Date: 07/02/2012 0955						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0722						

General Chemistry

Client Sample ID: LF1M0620UA

Lab Sample ID: 280-30425-3
Client Matrix: Water

Date Sampled: 06/25/2012 1545
Date Received: 06/26/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.44		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1356						
Nitrogen, Kjeldahl	1.5		mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/19/2012 2326						
Prep Batch: 280-128145	Prep Date: 07/17/2012 1753						
Chemical Oxygen Demand	8.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126482	Analysis Date: 07/03/2012 0926						
Bromide	0.21	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1248						
Nitrate as N	0.052	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1248						
Chloride	18		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1248						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1248						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1248						
Nitrate Nitrite as N	0.052	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1248						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1248						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1248						
Total Organic Carbon - Quad	1.1		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0932						
Color	25		PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126228	Analysis Date: 06/27/2012 0900						
Alkalinity	360		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1310						
Hardness as calcium carbonate	290		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	380		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126303	Analysis Date: 07/02/2012 0955						
Biochemical Oxygen Demand	2.6		mg/L	0.30	2.5	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0723						

General Chemistry

Client Sample ID: LF1M1030UA

Lab Sample ID: 280-30425-4
Client Matrix: Water

Date Sampled: 06/25/2012 1242
Date Received: 06/26/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.11	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1414						
Nitrogen, Kjeldahl	0.70	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/19/2012 2327						
Prep Batch: 280-128145	Prep Date: 07/17/2012 1753						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126482	Analysis Date: 07/03/2012 0926						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1305						
Nitrate as N	0.58		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1305						
Chloride	1.9	J	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1305						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1305						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1305						
Nitrate Nitrite as N	0.58		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1305						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1305						
Sulfate	6.0		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1305						
Total Organic Carbon - Quad	0.69	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0950						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126228	Analysis Date: 06/27/2012 0900						
Alkalinity	230		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1314						
Hardness as calcium carbonate	220		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	240		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126303	Analysis Date: 07/02/2012 0955						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0724						

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General Chemistry

Client Sample ID: LF1M1030UC

Lab Sample ID: 280-30425-5FD
Client Matrix: Water

Date Sampled: 06/25/2012 1242
Date Received: 06/26/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.11	BJ	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1419						
Nitrogen, Kjeldahl	0.59	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/19/2012 2335						
Prep Batch: 280-128145	Prep Date: 07/17/2012 1753						
Chemical Oxygen Demand	7.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126482	Analysis Date: 07/03/2012 0926						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1412						
Nitrate as N	0.59		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1412						
Chloride	0.33	J	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1412						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1412						
Fluoride	0.075	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1412						
Nitrate Nitrite as N	0.59		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1412						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1412						
Sulfate	6.0		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1412						
Total Organic Carbon - Quad	0.78	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 1043						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126228	Analysis Date: 06/27/2012 0900						
Alkalinity	230		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1319						
Hardness as calcium carbonate	210		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	240		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126303	Analysis Date: 07/02/2012 0955						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0725						

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General Chemistry

Client Sample ID: LF1M1212UA

Lab Sample ID: 280-30425-6
Client Matrix: Water

Date Sampled: 06/25/2012 1131
Date Received: 06/26/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.083	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1420						
Nitrogen, Kjeldahl	0.80	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/19/2012 2336						
Prep Batch: 280-128145	Prep Date: 07/17/2012 1753						
Chemical Oxygen Demand	10	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126482	Analysis Date: 07/03/2012 0926						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1503						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1503						
Chloride	5.0		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1503						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1503						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1503						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1503						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1503						
Sulfate	1.8	J	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1503						
Total Organic Carbon - Quad	0.66	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 1102						
Color	25		PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126228	Analysis Date: 06/27/2012 0900						
Alkalinity	160		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1325						
Hardness as calcium carbonate	150		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	180		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126303	Analysis Date: 07/02/2012 0955						
Biochemical Oxygen Demand	1.4	J	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0728						

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General Chemistry

Client Sample ID: **MWSAR0324UA**

Lab Sample ID: 280-30425-7
Client Matrix: Water

Date Sampled: 06/25/2012 1532
Date Received: 06/26/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.22	B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1422						
Nitrogen, Kjeldahl	0.84	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/19/2012 2337						
Prep Batch: 280-128145	Prep Date: 07/17/2012 1753						
Chemical Oxygen Demand	9.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126498	Analysis Date: 07/03/2012 1007						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1520						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1520						
Chloride	6.6		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1520						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1520						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1520						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1520						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1520						
Sulfate	0.40	J	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1520						
Total Organic Carbon - Quad	1.4		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 1119						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126228	Analysis Date: 06/27/2012 0900						
Alkalinity	80		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1338						
Hardness as calcium carbonate	81		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	120		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126303	Analysis Date: 07/02/2012 0955						
Biochemical Oxygen Demand	2.8		mg/L	0.30	2.5	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0730						

Cust 9/18/12

General Chemistry

Client Sample ID: 062512UE

Lab Sample ID: 280-30425-8EB
Client Matrix: Water

Date Sampled: 06/25/2012 1615
Date Received: 06/26/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.078	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1423						
Nitrogen, Kjeldahl	0.46	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/19/2012 2341						
Prep Batch: 280-128145	Prep Date: 07/17/2012 1753						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126498	Analysis Date: 07/03/2012 1007						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1537						
Nitrate as N	0.11	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1537						
Chloride	0.49	J	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1537						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1537						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1537						
Nitrate Nitrite as N	0.11	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1537						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1537						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1537						
Total Organic Carbon - Quad	0.25	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 1136						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126228	Analysis Date: 06/27/2012 0900						
Alkalinity	2.0	U	mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1342						
Hardness as calcium carbonate	1.5	U	mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	10	U	mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126303	Analysis Date: 07/02/2012 0955						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0731						

FPM Remediations, Inc.
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site Griffiss AFB Landfill 1
Water Sampling
Contract No. FA8903-10-D-8595, Delivery Order No. 0014

FPM Project No. 1015-11-01

TestAmerica Job #280-30455-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	9
Analytical Protocol:	DOD QSM, version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	June 26, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
LF1M01R11UA	6/26/12	062612UE, 062612UF, 062612UR	6/26/12
LF1M1411UA	6/26/12		
LF1M10318UA	6/26/12		
LF1SW0101UA	6/26/12		
LF1SW02SMC01UA	6/26/12		
LF1SW0301UA	6/26/12		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.

UA – Primary environmental samples
UC – Field duplicate samples
UE – Equipment Blank
UF – Ambient Blank
UR – Trip Blank

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical methods employed included SW-846: Volatile Organic Compounds (VOC) by Method SW8260B, Total Organic Carbon (TOC) by Method SW 9060A, Total Dissolved Solids by Method SM 2540C, Total Alkalinity by Method SM 2320B, Anions by Method SW9056, Ammonia by Method 350.1, Total Kjeldahl Nitrogen by Method 351.2, Color by Method SM 2120B, Hardness (as calcium carbonate) by Method SM 2340C, Chemical Oxygen Demand (COD) by Method 410.4, and Biochemical Oxygen Demand (BOD) by Method SM 5210B.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits (DLs) and limits of quantitation (LOQs)
- Holding times, sample preservation and storage
- Second source calibration verification summary
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control samples (LCS)
- Results reported between DL and LOQ (J-flag)
- MS tune performance
- Ambient, equipment, and trip blanks (as applicable)
- Surrogate spike recoveries
- Internal standard areas counts and retention times

- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between the DL and LOQ), the laboratory and/or data verifier qualified the subject results with a "J" flag. Since no qualification of associated field samples are required for blanks less than half the LOQ, no further action was taken in such instances.

MS/MSD

For several analytes, the lab performed matrix spike/matrix spike duplicate sample (MS/MSD) analyses for various field samples. However, these samples were not requested by the client in the chain-of-custody; therefore, no action was taken for the MS/MSD sample criterion.

DUPLICATES

For several analytes, the lab performed duplicate analyses for various field samples. However, these samples were not requested by the client in the chain-of-custody; therefore, no action was taken for the duplicate sample criterion.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- No QA/QC exceedances were encountered for the VOCs analyses.

WET CHEMISTRY ANALYTES

- According to the case narrative, the following analytes were analyzed at initial dilutions:

Analyte	Sample	Dilution
BOD	LF1M01R11UA	1:5

The dilution results only are reported and are used in data verification as representing original results.

- The following blank sample analyses indicated blank contaminants present at concentrations equal to or greater than half the limit of quantitation (LOQ). The Blank ID, detected contaminant, and concentration are listed.

Blank ID	Analyte	Concentration (mg/L)	LOQ (mg/L)	Samples Affected
062612UE	Ammonia	0.10	0.10	LF1M01R11UA, LF1M1411UA, LF1SW0101UA, LF1SW0301UA
	TKN	0.82 J	1.0	LF1M01R11UA, LF1M1411UA, LF1SW0101UA, LF1SW02SMC01UA, LF1SW0301UA

The purpose of laboratory, equipment or trip blank analysis is to determine the existence and magnitude of contamination resulting from lab or field activities. If contamination is found in blanks the associated sample results for these analytes may be considered suspect. As per the QAPP, based on the blank contaminants present above half the LOQ, results for the specific analytes in the associated environmental samples are qualified with a "B" flag. However, in accordance with the EPA National Functional Guidelines and consistent with the QAPP, the "B" flag is **not** applied for sample results that are greater than five times (5x) the blank concentration. Thus the "B" flag is only applied to those samples for which the sample result is positive and less than five times (5x) the blank concentration.

Corrective Action: "B" flags were applied to the ammonia and TKN results for the field samples listed, since the associated results were less than 5x the blank concentration.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results of the samples for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

WET CHEMISTRY ANALYTES

Based on the evaluation of all information in the analytical data groups, the results of the samples for wet chemistry analytes are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # 280-30455-1 are valid and usable with qualifications as noted in the data review.

Signed: Concordia Van Hoesel Date: 9/8/12

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30455-1

Job Description: Griffiss AFB LF1 LTM

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

M. Elaine Walker

Approved for release.
Elaine Walker
Project Manager I
7/26/2012 2:40 PM

Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/26/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB LF1 LTM
Report Number: 280-30455-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
Nine samples were received on 06/27/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 0.8°C and 2.4°C.

Relinquished By information was not present on the associated chain-of-custody. The client was notified of this discrepancy via email on 06/27/2012.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples LF1M10318UA (280-30455-3), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), 062612UE (280-30455-7), 062612UF (280-30455-8), and 062612UR (280-30455-9) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/10/2012.

No difficulties were encountered during the VOC analyses.

All quality control parameters were within the acceptance limits.

AMMONIA
Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 07/09/2012.

Ammonia was detected in method blank MB 280-127015/109 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 280-127349, performed on sample LF1M01R11UA (280-30455-1), were outside control limits. The associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

TOTAL KJELDAHL NITROGEN
Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 07/18/2012 and analyzed on 07/20/2012.

Nitrogen, Kjeldahl was detected in method blank MB 280-128384/3-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

No other difficulties were encountered during the TKN analyses.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND
Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for chemical oxygen demand in accordance with EPA Method 410.4. The samples were analyzed on 07/03/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON
Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 07/18/2012 and 07/19/2012.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

COLOR
Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1M10318UA (280-30455-3), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for color in accordance with SM20 2120B - Colorimetric. The samples were analyzed on 06/27/2012.

No difficulties were encountered during the color analyses.

All quality control parameters were within the acceptance limits.

ALKALINITY
Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1M10318UA (280-30455-3), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 07/02/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

HARDNESS
Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for hardness in accordance with SM20 2340C. The samples were analyzed on 07/19/2012.

No difficulties were encountered during the hardness analyses.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS
Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1M10318UA (280-30455-3), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 07/02/2012.

No difficulties were encountered during the TDS analyses.

All quality control parameters were within the acceptance limits.

ANIONS
Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1M10318UA (280-30455-3), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for anions in accordance with EPA SW-846 Method 9056. The samples were analyzed on 06/27/2012.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

BIOCHEMICAL OXYGEN DEMAND
Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for Biochemical Oxygen Demand in accordance with SM20 5210B. The samples were analyzed on 06/27/2012.

Biochemical Oxygen Demand was detected in method blank SCB 280-125739/9 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Sample LF1M01R11UA (280-30455-1) required a dilution prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

No other difficulties were encountered during the BOD analyses.

All other quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: MSV_H Analysis Batch Number: 126680

Lab Sample ID: IC 280-126680/4 Client Sample ID:

Date Analyzed: 07/02/12 13:15 Lab File ID: H4457.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	3.62	Split Peak	meierg	07/03/12 06:12
Ethanol	3.82	Analyte not Identified by the Data System	meierg	07/02/12 14:43
Acetone	4.23	Split Peak	meierg	07/03/12 06:16

Lab Sample ID: IC 280-126680/5 Client Sample ID:

Date Analyzed: 07/02/12 13:37 Lab File ID: H4458.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.84	Baseline Event	meierg	07/03/12 06:15

Lab Sample ID: IC 280-126680/8 Client Sample ID:

Date Analyzed: 07/02/12 14:44 Lab File ID: H4461.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	3.62	Split Peak	meierg	07/03/12 06:12
Acetonitrile	4.60	Mis-Integrated	meierg	07/03/12 06:20

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-20455-1

SDG No.:

Instrument ID: MSV_M Analysis Batch Number: 126680

Lab Sample ID: IC 280-126680/4 Client Sample ID:

Date Analyzed: 07/02/12 13:15 Lab File ID: M4457.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	3.63	Split Peak	meierg	07/03/12 06:12
Ethanol	3.82	Analyte not Identified by the Data System	meierg	07/02/12 14:43
Acetone	4.23	Split Peak	meierg	07/03/12 06:16

Lab Sample ID: IC 280-126680/5 Client Sample ID:

Date Analyzed: 07/02/12 13:37 Lab File ID: M4458.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.84	Baseline Event	meierg	07/03/12 06:15

Lab Sample ID: IC 280-126680/8 Client Sample ID:

Date Analyzed: 07/02/12 14:44 Lab File ID: M4461.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	3.62	Split Peak	meierg	07/03/12 06:12
Acetonitrile	4.60	Mis-integrated	meierg	07/03/12 06:20

4 7/10

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30455-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30455-1	LF1M01R11UA	Water	06/26/2012 1204	06/27/2012 0945
280-30455-2	LF1M1411UA	Water	06/26/2012 1011	06/27/2012 0945
280-30455-3	LF1M10318UA	Water	06/26/2012 1030	06/27/2012 0945
280-30455-4	LF1SW0101UA	Water	06/26/2012 1101	06/27/2012 0945
280-30455-5	LF1SW02SMC01UA	Water	06/26/2012 1145	06/27/2012 0945
280-30455-6	LF1SW0301UA	Water	06/26/2012 1035	06/27/2012 0945
280-30455-7EB	062612UE	Water	06/26/2012 1415	06/27/2012 0945
280-30455-8FB	062612UF	Water	06/26/2012 1201	06/27/2012 0945
280-30455-9TB	062612UR	Water	06/26/2012 0915	06/27/2012 0945

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30455-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30455-1	**LF1M01R11UA**					
Ammonia		0.13	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.2		1.0	mg/L	351.2
Chemical Oxygen Demand		37		20	mg/L	410.4
Chloride		10		3.0	mg/L	9056A
Sulfate		8.3		5.0	mg/L	9056A
Total Organic Carbon - Quad		5.1		1.0	mg/L	9060A
Alkalinity		41		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		74		5.0	mg/L	SM 2340C
Total Dissolved Solids		89		10	mg/L	SM 2540C
280-30455-2	**LF1M1411UA**					
Ammonia		0.13		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.82	J	1.0	mg/L	351.2
Chemical Oxygen Demand		6.0	J	20	mg/L	410.4
Nitrate as N		0.98		0.50	mg/L	9056A
Chloride		6.7		3.0	mg/L	9056A
Nitrate Nitrite as N		0.98		0.50	mg/L	9056A
Sulfate		8.3		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.98	J	1.0	mg/L	9060A
Alkalinity		68		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		84		5.0	mg/L	SM 2340C
Total Dissolved Solids		100		10	mg/L	SM 2540C
280-30455-3	**LF1M10318UA**					
Acetone		13		10	ug/L	8260B/DoD
Chloromethane		0.33	J	2.0	ug/L	8260B/DoD
Bromide		0.12	J	0.50	mg/L	9056A
Nitrate as N		1.0		0.50	mg/L	9056A
Chloride		5.2		3.0	mg/L	9056A
Nitrite as N		0.056	J	0.50	mg/L	9056A
Fluoride		0.75	J	1.0	mg/L	9056A
Nitrate Nitrite as N		1.1		0.50	mg/L	9056A
Sulfate		14		5.0	mg/L	9056A
Alkalinity		390		5.0	mg/L	SM 2320B
Total Dissolved Solids		370		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30455-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30455-4	**LF1SW0101UA**					
Toluene		0.29	J	1.0	ug/L	8260B/DoD
Ammonia		0.063	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.80	J	1.0	mg/L	351.2
Chloride		3.6		3.0	mg/L	9056A
Sulfate		3.0	J	5.0	mg/L	9056A
Total Organic Carbon - Quad		1.3		1.0	mg/L	9060A
Alkalinity		240		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		250		5.0	mg/L	SM 2340C
Total Dissolved Solids		240		10	mg/L	SM 2540C
Biochemical Oxygen Demand		2.0	J	2.5	mg/L	SM5210B
280-30455-5	**LF1SW02SMC01UA**					
1,2,4-Trimethylbenzene		0.19	J	1.0	ug/L	8260B/DoD
1,2-Dichlorobenzene		0.55	J	1.0	ug/L	8260B/DoD
1,4-Dichlorobenzene		2.7		1.0	ug/L	8260B/DoD
Benzene		0.42	J	1.0	ug/L	8260B/DoD
Chlorobenzene		2.2		1.0	ug/L	8260B/DoD
Toluene		0.34	J	1.0	ug/L	8260B/DoD
Cyclohexane		1.8	J	2.0	ug/L	8260B/DoD
Methylcyclohexane		1.8	J	2.0	ug/L	8260B/DoD
Ammonia		0.62		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.7		1.0	mg/L	351.2
Chemical Oxygen Demand		10	J	20	mg/L	410.4
Bromide		0.13	J	0.50	mg/L	9056A
Chloride		7.9		3.0	mg/L	9056A
Fluoride		0.065	J	1.0	mg/L	9056A
Sulfate		0.54	J	5.0	mg/L	9056A
Total Organic Carbon - Quad		2.8		1.0	mg/L	9060A
Alkalinity		390		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		360		5.0	mg/L	SM 2340C
Total Dissolved Solids		400		10	mg/L	SM 2540C
Biochemical Oxygen Demand		4.3		2.5	mg/L	SM5210B

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30455-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30455-6	**LF1SW0301UA**					
Ammonia		0.078	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.90	J	1.0	mg/L	351.2
Chemical Oxygen Demand		10	J	20	mg/L	410.4
Nitrate as N		0.061	J	0.50	mg/L	9056A
Chloride		7.0		3.0	mg/L	9056A
Nitrate Nitrite as N		0.061	J	0.50	mg/L	9056A
Sulfate		3.0	J	5.0	mg/L	9056A
Total Organic Carbon - Quad		4.4		1.0	mg/L	9060A
Alkalinity		160		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		150		5.0	mg/L	SM 2340C
Total Dissolved Solids		190		10	mg/L	SM 2540C
Biochemical Oxygen Demand		1.8	J	2.5	mg/L	SM5210B
280-30455-7EB	**062612UE**					
Chloroform		0.19	J	1.0	ug/L	8260B/DoD
Ammonia		0.10		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.82	J	1.0	mg/L	351.2
Total Organic Carbon - Quad		0.32	J	1.0	mg/L	9060A
280-30455-8FB	**062612UF**					
Chloroform		0.18	J	1.0	ug/L	8260B/DoD

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30455-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Nitrogen, Total Kjeldahl	TAL DEN	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL DEN		MCAWW 351.2
COD	TAL DEN	MCAWW 410.4	
Anions, Ion Chromatography	TAL DEN	SW846 9056A	
Organic Carbon, Total (TOC)	TAL DEN	SW846 9060A	
Color, Colorimetric	TAL DEN	SM SM 2120B	
Alkalinity	TAL DEN	SM SM 2320B	
Hardness, Total	TAL DEN	SM SM 2340C	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	
BOD, 5 Day	TAL DEN	SM SM5210B	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30455-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Meier, Greg P	GPM
MCAWW 350.1	Wolff, Brett Q	BQW
MCAWW 351.2	Woolley, Mark	MW
MCAWW 410.4	Fayard, Maria	MF
SW846 9056A	Kudla, Ewa	EK
SW846 9060A	Bandy, Darlene F	DFB
SM SM 2120B	Ayala, Delaina	DA
SM SM 2320B	Allen, Andrew J	AJA
SM SM 2340C	Allen, Andrew J	AJA
SM SM 2540C	Domnick, Brandon J	BJD
SM SM5210B	Ayala, Delaina	DA

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **LF1M10318UA**

Lab Sample ID: 280-30455-3
Client Matrix: Water

Date Sampled: 06/26/2012 1030
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4717.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0852			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0852				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	13		1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.33	J	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: LF1M10318UA

Lab Sample ID: 280-30455-3
Client Matrix: Water

Date Sampled: 06/26/2012 1030
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4717.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0852			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0852				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	102		85 - 120
1,2-Dichloroethane-d4 (Surr)	97		70 - 120
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	101		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **LF1SW0101UA**

Lab Sample ID: 280-30455-4
Client Matrix: Water

Date Sampled: 06/26/2012 1101
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4718.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0914			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0914				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **LF1SW0101UA**

Lab Sample ID: 280-30455-4
Client Matrix: Water

Date Sampled: 06/26/2012 1101
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4718.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0914			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0914				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.29	J	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	108		85 - 120
1,2-Dichloroethane-d4 (Surr)	101		70 - 120
4-Bromofluorobenzene (Surr)	105		75 - 120
Dibromofluoromethane (Surr)	105		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **LF1SW02SMC01UA**

Lab Sample ID: 280-30455-5
Client Matrix: Water

Date Sampled: 06/26/2012 1145
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4719.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0936			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0936				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.19	J	0.14	1.0
1,2-Dichlorobenzene	0.55	J	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	2.7		0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.42	J	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	2.2		0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **LF1SW02SMC01UA**

Lab Sample ID: 280-30455-5
Client Matrix: Water

Date Sampled: 06/26/2012 1145
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4719.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0936			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0936				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.34	J	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	1.8	J	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	1.8	J	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	108		85 - 120
1,2-Dichloroethane-d4 (Surr)	102		70 - 120
4-Bromofluorobenzene (Surr)	105		75 - 120
Dibromofluoromethane (Surr)	104		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **LF1SW0301UA**

Lab Sample ID: 280-30455-6
Client Matrix: Water

Date Sampled: 06/26/2012 1035
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4720.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0958			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0958				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **LF1SW0301UA**

Lab Sample ID: 280-30455-6
Client Matrix: Water

Date Sampled: 06/26/2012 1035
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4720.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0958			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0958				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	108		85 - 120
1,2-Dichloroethane-d4 (Surr)	99		70 - 120
4-Bromofluorobenzene (Surr)	108		75 - 120
Dibromofluoromethane (Surr)	106		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: 062612UE

Lab Sample ID: 280-30455-7EB
Client Matrix: Water

Date Sampled: 06/26/2012 1415
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4721.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 1020			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 1020				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.19	J	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: 062612UE

Lab Sample ID: 280-30455-7EB
Client Matrix: Water

Date Sampled: 06/26/2012 1415
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4721.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 1020			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 1020				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	104		85 - 120
1,2-Dichloroethane-d4 (Surr)	99		70 - 120
4-Bromofluorobenzene (Surr)	102		75 - 120
Dibromofluoromethane (Surr)	103		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **062612UF**

Lab Sample ID: 280-30455-8FB
Client Matrix: Water

Date Sampled: 06/26/2012 1201
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4722.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 1042			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 1042				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.18	J	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: 062612UF

Lab Sample ID: 280-30455-8FB
Client Matrix: Water

Date Sampled: 06/26/2012 1201
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4722.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 1042			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 1042				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	103		85 - 120
1,2-Dichloroethane-d4 (Surr)	97		70 - 120
4-Bromofluorobenzene (Surr)	102		75 - 120
Dibromofluoromethane (Surr)	102		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: 062612UR

Lab Sample ID: 280-30455-9TB
Client Matrix: Water

Date Sampled: 06/26/2012 0915
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4723.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 1104			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 1104				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: 062612UR

Lab Sample ID: 280-30455-9TB
Client Matrix: Water

Date Sampled: 06/26/2012 0915
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4723.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 1104			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 1104				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	108		85 - 120
1,2-Dichloroethane-d4 (Surr)	102		70 - 120
4-Bromofluorobenzene (Surr)	107		75 - 120
Dibromofluoromethane (Surr)	107		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30455-1

General Chemistry

Client Sample ID: LF1M01R11UA

Lab Sample ID: 280-30455-1
Client Matrix: Water

Date Sampled: 06/26/2012 1204
Date Received: 06/27/2012 0945

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.13	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1425						
Nitrogen, Kjeldahl	1.2	B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/20/2012 0011						
Prep Batch: 280-128384	Prep Date: 07/18/2012 1900						
Chemical Oxygen Demand	37		mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126498	Analysis Date: 07/03/2012 1007						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1554						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1554						
Chloride	10		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1554						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1554						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1554						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1554						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1554						
Sulfate	8.3		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1554						
Total Organic Carbon - Quad	5.1		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128577	Analysis Date: 07/18/2012 2356						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126223	Analysis Date: 06/27/2012 1300						
Alkalinity	41		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1159						
Hardness as calcium carbonate	74		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	89		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126308	Analysis Date: 07/02/2012 1013						
Biochemical Oxygen Demand	3.0	U	mg/L	1.2	10	5.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 1308						

CMA
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General Chemistry

Client Sample ID: LF1M1411UA

Lab Sample ID: 280-30455-2
Client Matrix: Water

Date Sampled: 06/26/2012 1011
Date Received: 06/27/2012 0945

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.13	B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1440						
Nitrogen, Kjeldahl	0.82	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/20/2012 0012						
Prep Batch: 280-128384	Prep Date: 07/18/2012 1900						
Chemical Oxygen Demand	6.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126498	Analysis Date: 07/03/2012 1007						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1610						
Nitrate as N	0.98		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1610						
Chloride	6.7		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1610						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1610						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1610						
Nitrate Nitrite as N	0.98		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1610						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1610						
Sulfate	8.3		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1610						
Total Organic Carbon - Quad	0.98	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128577	Analysis Date: 07/19/2012 0052						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126223	Analysis Date: 06/27/2012 1300						
Alkalinity	68		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1203						
Hardness as calcium carbonate	84		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	100		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126308	Analysis Date: 07/02/2012 1013						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 1310						

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General Chemistry

Client Sample ID: LF1M10318UA

Lab Sample ID: 280-30455-3
Client Matrix: Water

Date Sampled: 06/26/2012 1030
Date Received: 06/27/2012 0945

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Bromide	0.12	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1627						
Nitrate as N	1.0		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1627						
Chloride	5.2		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1627						
Nitrite as N	0.056	J	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1627						
Fluoride	0.75	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1627						
Nitrate Nitrite as N	1.1		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1627						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1627						
Sulfate	14		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1627						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126223	Analysis Date: 06/27/2012 1300						
Alkalinity	390		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1209						
Total Dissolved Solids	370		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126308	Analysis Date: 07/02/2012 1013						

General Chemistry

Client Sample ID: LF1SW0101UA

Lab Sample ID: 280-30455-4
Client Matrix: Water

Date Sampled: 06/26/2012 1101
Date Received: 06/27/2012 0945

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.063	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1441						
Nitrogen, Kjeldahl	0.80	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/20/2012 0019						
Prep Batch: 280-128384	Prep Date: 07/18/2012 1900						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126498	Analysis Date: 07/03/2012 1007						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1644						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1644						
Chloride	3.6		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1644						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1644						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1644						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1644						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1644						
Sulfate	3.0	J	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1644						
Total Organic Carbon - Quad	1.3		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128577	Analysis Date: 07/19/2012 0107						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126223	Analysis Date: 06/27/2012 1300						
Alkalinity	240		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1214						
Hardness as calcium carbonate	250		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	240		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126308	Analysis Date: 07/02/2012 1013						
Biochemical Oxygen Demand	2.0	J	mg/L	0.30	2.5	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 1315						

cwt 9/8/12

General Chemistry

Client Sample ID: **LF1SW02SMC01UA**

Lab Sample ID: 280-30455-5
Client Matrix: Water

Date Sampled: 06/26/2012 1145
Date Received: 06/27/2012 0945

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.62		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1443						
Nitrogen, Kjeldahl	1.7	B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/20/2012 0020						
Prep Batch: 280-128384	Prep Date: 07/18/2012 1900						
Chemical Oxygen Demand	10	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126498	Analysis Date: 07/03/2012 1007						
Bromide	0.13	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1701						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1701						
Chloride	7.9		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1701						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1701						
Fluoride	0.065	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1701						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1701						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1701						
Sulfate	0.54	J	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1701						
Total Organic Carbon - Quad	2.8		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128577	Analysis Date: 07/19/2012 0125						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126223	Analysis Date: 06/27/2012 1300						
Alkalinity	390		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1219						
Hardness as calcium carbonate	360		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	400		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126308	Analysis Date: 07/02/2012 1013						
Biochemical Oxygen Demand	4.3		mg/L	0.30	2.5	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0659						

cwt 9/8/12

General Chemistry

Client Sample ID: LF1SW0301UA

Lab Sample ID: 280-30455-6
Client Matrix: Water

Date Sampled: 06/26/2012 1035
Date Received: 06/27/2012 0945

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.078	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1444						
Nitrogen, Kjeldahl	0.90	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/20/2012 0021						
Prep Batch: 280-128384	Prep Date: 07/18/2012 1900						
Chemical Oxygen Demand	10	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126498	Analysis Date: 07/03/2012 1007						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1718						
Nitrate as N	0.061	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1718						
Chloride	7.0		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1718						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1718						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1718						
Nitrate Nitrite as N	0.061	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1718						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1718						
Sulfate	3.0	J	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1718						
Total Organic Carbon - Quad	4.4		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128577	Analysis Date: 07/19/2012 0141						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126223	Analysis Date: 06/27/2012 1300						
Alkalinity	160		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1224						
Hardness as calcium carbonate	150		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	190		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126308	Analysis Date: 07/02/2012 1013						
Biochemical Oxygen Demand	1.8	J	mg/L	0.30	2.5	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0659						

CWA 9/5/12

General Chemistry

Client Sample ID: 062612UE

Lab Sample ID: 280-30455-7EB
Client Matrix: Water

Date Sampled: 06/26/2012 1415
Date Received: 06/27/2012 0945

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.10		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1446						
Nitrogen, Kjeldahl	0.82	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/20/2012 0022						
Prep Batch: 280-128384	Prep Date: 07/18/2012 1900						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126498	Analysis Date: 07/03/2012 1007						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1735						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1735						
Chloride	0.50	U	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1735						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1735						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1735						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1735						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1735						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1735						
Total Organic Carbon - Quad	0.32	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128577	Analysis Date: 07/19/2012 0200						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126223	Analysis Date: 06/27/2012 1300						
Alkalinity	2.0	U	mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1227						
Hardness as calcium carbonate	1.5	U	mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	10	U	mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126308	Analysis Date: 07/02/2012 1013						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0659						

FPM Remediations, Inc.
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site Griffiss AFB Landfill 6
Water Sampling
Contract No. FA8903-10-D-8595, Delivery Order No. 0014

FPM Project No. 1015-11-01

TestAmerica Job #280-30435-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	1
Analytical Protocol:	DOD QSM, version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	June 22, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
LFVM2348QA	6/22/12		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.

QA – Primary environmental samples

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical methods employed included SW-846: Volatile Organic Compounds (VOC) by Method SW8260B.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits (DLs) and limits of quantitation (LOQs)
- Holding times, sample preservation and storage
- Second source calibration verification summary
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control samples (LCS)
- Results reported between DL and LOQ (J-flag)
- MS tune performance
- Ambient, equipment, and trip blanks (as applicable)
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory.

SAMPLE LABELING

It was noted that there was a discrepancy between the sample label on the container and the sample ID listed on the COC for sample LFVMW2348QA. The laboratory logged the sample in per the COC, and notified the client.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between the DL and LOQ), the laboratory and/or data verifier qualified the subject results with a "J" flag. Since no qualification of associated field samples are required for blanks less than half the LOQ, no further action was taken in such instances.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- There were no QA/QC exceedances for the VOCs analyses.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results of the samples for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # 280-30435-1 are valid and usable with qualifications as noted in the data review.

Signed: Concordia Van Hoesel Date: 9/8/12

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30435-1

Job Description: Griffiss AFB LF6 LTM

For:
FPM Remediations Inc
534 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Julie L Dreesen
Project Mgmt. Assistant I
7/10/2012 9:03 AM

Designee for
Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/10/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
Tel (303) 736-0100 Fax (303) 431-7171 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB LF6 LTM
Report Number: 280-30435-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

One sample was received on 06/26/2012; the sample arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 1.6°C.

A sample ID discrepancy was noted between the information listed on the chain-of-custody and the container label for TA Denver samples 280-30435-1. The chain-of-custody lists the sample ID as LFVMW2348QA, while the container labels list the sample ID as LF6VMW2348QA. The Sample Technician was able to determine the identity of the sample by comparing the sample collection time on the COC with the sample collection time on the sample container label. The sample ID was logged per the chain-of-custody. The client was notified on June 26, 2012.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample LFVM2348QA (280-30435-1) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The sample was analyzed on 07/02/2012.

No difficulties were encountered during the VOC analysis.

All quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Instrument ID: MSV_R2 Analysis Batch Number: 124226

Lab Sample ID: IC 280-124226/5 Client Sample ID:

Date Analyzed: 06/15/12 08:22 Lab File ID: RR6390.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.66	Analyte not Identified by the Data System	dobransky m	06/15/12 11:00

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Instrument ID: MSV_R2 Analysis Batch Number: 124226

Lab Sample ID: IC 280-124226/5 Client Sample ID:

Date Analyzed: 06/15/12 08:23 Lab File ID: RR6295.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.66	Analyte not Identified by the Data System	dobransky m	06/15/12 11:00

MK 7/9

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30435-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30435-1	LFVM2348QA	Water	06/22/2012 1200	06/26/2012 0930

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30435-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30435-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B

Lab References:

TAL DEN = TestAmerica Denver

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30435-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Dobransky, Michael E	MD

Client: FPM Remediations Inc

Job Number: 280-30435-1

Client Sample ID: **LFVM2348QA**

Lab Sample ID: 280-30435-1
Client Matrix: Water

Date Sampled: 06/22/2012 1200
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6887.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1804			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1804				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30435-1

Client Sample ID: **LFVM2348QA**

Lab Sample ID: 280-30435-1
Client Matrix: Water

Date Sampled: 06/22/2012 1200
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6887.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1804			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1804				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	96		85 - 120
1,2-Dichloroethane-d4 (Surr)	83		70 - 120
4-Bromofluorobenzene (Surr)	91		75 - 120
Dibromofluoromethane (Surr)	89		85 - 115

FPM Remediations, Inc.
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site Griffiss AFB Landfill 6
Water Sampling
Contract No. FA8903-10-D-8595, Delivery Order No. 0014

FPM Project No. 1015-11-01

TestAmerica Job #280-30184-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	8
Analytical Protocol:	DOD QSM, version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	June 18, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
LF6VM10R230QA	6/18/12	061812QE	6/18/12
LF6VM1850QA	6/18/12		
LF6VM1926QA	6/18/12		
LF6VM2068QA	6/18/12		
LF6VM2175QA	6/18/12		
LF6VM2235QA	6/18/12	LF6VM2235QC	6/18/12

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
QA – Primary environmental samples
QC – Field duplicate sample
QE – Equipment Blank

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical methods employed included SW-846: Total Organic Carbon (TOC) by Method SW 9060A, Total Dissolved Solids by Method SM 2540C, Total Alkalinity by Method SM 2320B, Anions by Method SW9056, Ammonia by Method 350.1, Total Kjeldahl Nitrogen by Method 351.2, Color by Method SM 2120B, Hardness (as calcium carbonate) by Method SM 2340C, and Chemical Oxygen Demand (COD) by Method 410.4.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits (DLs) and limits of quantitation (LOQs)
- Holding times, sample preservation and storage
- Second source calibration verification summary
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control samples (LCS)
- Results reported between DL and LOQ (J-flag)
- MS tune performance
- Ambient, equipment, and trip blanks (as applicable)
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Sample storage and preservation

- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between the DL and LOQ), the laboratory and/or data verifier qualified the subject results with a "J" flag. Since no qualification of associated field samples are required for blanks less than half the LOQ, no further action was taken in such instances.

MS/MSD

For several analytes, the lab performed matrix spike/matrix spike duplicate sample (MS/MSD) analyses for various field samples. However, these samples were not requested by the client in the chain-of-custody; therefore, no action was taken for the MS/MSD sample criterion.

DUPLICATES

For several analytes, the lab performed duplicate analyses for various field samples. However, these samples were not requested by the client in the chain-of-custody; therefore, no action was taken for the duplicate sample criterion.

WET CHEMISTRY ANALYTES

- According to the case narrative, the following analytes were analyzed at initial dilutions:

Analyte	Sample	Dilution
Chloride	LF6VM1850QA, LF6VM1926QA, LF6VM2068QA	1:5

The dilution results only are reported and are used in data verification as representing original results.

- The following blank sample analyses indicated blank contaminants present at concentrations equal to or greater than half the limit of quantitation (LOQ). The Blank ID, detected contaminant, and concentration are listed.

Blank ID	Analyte	Concentration (mg/L)	LOQ (mg/L)	Samples Affected
061812QE	Ammonia	0.098 J	0.10	LF6VM10R230QA, LF6VM1850QA, LF6VM1926QA, LF6VM2068QA, LF6VM2175QA, LF6VM2235QA, LF6VM2235QC
	TKN	0.60 J	1.0	LF6VM10R230QA, LF6VM1850QA, LF6VM1926QA, LF6VM2068QA, LF6VM2175QA, LF6VM2235QA, LF6VM2235QC
	Hardness	3.2 J	5.0	None; all field results greater than 5x blank concentration

The purpose of laboratory, equipment or trip blank analysis is to determine the existence and magnitude of contamination resulting from lab or field activities. If contamination is found in blanks the associated sample results for these analytes may be considered suspect. As per the QAPP, based on the blank contaminants present above half the LOQ, results for the specific analytes in the associated environmental samples are qualified with a "B" flag. However, in accordance with the EPA National Functional Guidelines and consistent with the QAPP, the "B" flag is **not** applied for sample results that are greater than five times (5x) the blank concentration. Thus the "B" flag is only applied to those samples for which the sample result is positive and less than five times (5x) the blank concentration.
Corrective Action: "B" flags were applied to the ammonia and TKN results for the field samples listed, since the associated results were less than 5x the blank concentration.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The UFP QAPP requires qualification of data for field duplicates

criterion if the duplicate samples contain detected compounds with concentrations above 5x the LOQ and the relative percent differences (RPDs) between the duplicate sample results exceed RPD control limits (20% for aqueous samples). If either the parent or the duplicate sample is less than 5x the LOQ, then the difference between the parent and duplicate sample must be less than 2x the LOQ. "J" flags for detects and "UJ" flags for non-detects are required per the QAPP for any exceedances.

The following table summarizes the RPDs of field duplicate sample set LF6VM2235QA/QC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (mg/L)	Field Dup Result (mg/L)	LOQ (mg/L)	RPD or ±difference	Flag Applied	Rationale
LF6VM2235QA	LF6VM2235QC	Ammonia	0.11 B	0.19 B	0.10	0.08	None	Difference < 2xLOQ
LF6VM2235QA	LF6VM2235QC	TKN	0.64 BJ	0.71 BJ	1.0	0.07	None	Difference < 2xLOQ
LF6VM2235QA	LF6VM2235QC	COD	9.7 J	6.3 J	20	3.4	None	Difference < 2xLOQ
LF6VM2235QA	LF6VM2235QC	Nitrate	2.2	2.2	0.50	0	None	Difference < 2xLOQ
LF6VM2235QA	LF6VM2235QC	Chloride	21	21	0.50	0	J	Difference > 2xLOQ
LF6VM2235QA	LF6VM2235QC	Nitrate-nitrite	2.2	2.2	0.50	0	None	Difference < 2xLOQ
LF6VM2235QA	LF6VM2235QC	Sulfate	18	17	5.0	1	None	Difference < 2xLOQ
LF6VM2235QA	LF6VM2235QC	TOC	0.63 J	0.59 J	1.0	0.09	None	Difference < 2xLOQ
LF6VM2235QA	LF6VM2235QC	Alkalinity	180	180	5.0	0	None	RPD < 20%
LF6VM2235QA	LF6VM2235QC	Hardness	310	200	5.0	***43.1***	None	RPD > 20%
LF6VM2235QA	LF6VM2235QC	TDS	230	230	10	0	None	RPD < 20%

Corrective Action: "J" qualifiers were applied to the hardness results for samples LF1VM2235QA/QC, since the RPD exceeded 20%. All other RPDs and differences were within control limits.

DATA USABILITY RESULTS

WET CHEMISTRY ANALYTES

Based on the evaluation of all information in the analytical data groups, the results of the samples for wet chemistry analytes are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # 280-30184-1 are valid and usable with qualifications as noted in the data review.

Signed: Concordia Van Hoesel Date: 9/8/12

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30184-1

Job Description: Griffiss AFB LF6 LTM

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Julie L Dreesen
Project Mgmt. Assistant
7/17/2012 2:49 PM

Designee for
Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/17/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB LF6 LTM
Report Number: 280-30184-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
Eight samples were received on 06/19/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 3.6 °C and 3.1°C.

As instructed by the client, samples requesting BOD analysis have not been reported as the QC for the batch did not pass for an unknown reason. Samples will be recollected and resubmitted at a later date.

COLOR
Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for color in accordance with SM20 2120B - Colorimetric. The samples were analyzed on 06/20/2012.

No difficulties were encountered during the color analyses.

All quality control parameters were within the acceptance limits.

ALKALINITY
Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 06/22/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

HARDNESS
Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for hardness in accordance with SM20 2340C. The samples were analyzed on 07/06/2012.

No difficulties were encountered during the hardness analyses.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS
Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 06/25/2012.

No difficulties were encountered during the TDS analyses.

All quality control parameters were within the acceptance limits.

AMMONIA
Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 06/29/2012.

Ammonia was detected in method blank MB 280-126205/20 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 280-126205, performed on sample LF6VM10R230QA (280-30184-1), were outside control limits for Ammonia. The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

TOTAL KJELDAHL NITROGEN

Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 07/05/2012 and analyzed on 07/07/2012.

Nitrogen, Kjeldahl was detected in method blank MB 280-126750/3-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 280-126750, performed on sample LF6VM10R230QA (280-30184-1), were outside control limits for Nitrogen, Kjeldahl. The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the TKN analyses.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND

Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for chemical oxygen demand in accordance with EPA Method 410.4. The samples were analyzed on 06/19/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

ANIONS (28 DAYS)

Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for anions (28 days) in accordance with EPA SW-846 Method 9056. The samples were analyzed on 06/19/2012.

Samples LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), and LF6VM2068QA (280-30184-4), requesting Chloride analysis, required dilution prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

The matrix spike duplicate (MSD) recovery for batch 280-124774, performed on sample LF6VM10R230QA (280-30184-1), was outside control limits for Chloride. The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

ANIONS (48 HOURS)

Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for anions (48 hours) in accordance with EPA SW-846 Method 9056A. The samples were analyzed on 06/19/2012.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 07/11/2012.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30184-1	LF6VM10R230QA	Water	06/18/2012 1200	06/19/2012 0900
280-30184-2	LF6VM1850QA	Water	06/18/2012 1441	06/19/2012 0900
280-30184-3	LF6VM1926QA	Water	06/18/2012 1341	06/19/2012 0900
280-30184-4	LF6VM2068QA	Water	06/18/2012 1223	06/19/2012 0900
280-30184-5	LF6VM2175QA	Water	06/18/2012 1045	06/19/2012 0900
280-30184-6	LF6VM2235QA	Water	06/18/2012 1305	06/19/2012 0900
280-30184-7FD	LF6VM2235QC	Water	06/18/2012 1305	06/19/2012 0900
280-30184-8EB	061812QE	Water	06/18/2012 1500	06/19/2012 0900

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30184-1	**LF6VM10R230QA**					
Ammonia		0.22	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.69	J	1.0	mg/L	351.2
Chemical Oxygen Demand		6.0	J	20	mg/L	410.4
Nitrate as N		0.86		0.50	mg/L	9056A
Chloride		5.2	J	3.0	mg/L	9056A
Nitrate Nitrite as N		0.86		0.50	mg/L	9056A
Sulfate		19		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.50	J	1.0	mg/L	9060A
Alkalinity		100		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		130		5.0	mg/L	SM 2340C
Total Dissolved Solids		140		10	mg/L	SM 2540C
280-30184-2	**LF6VM1850QA**					
Ammonia		0.096	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.74	J	1.0	mg/L	351.2
Chemical Oxygen Demand		7.3	J	20	mg/L	410.4
Chloride		92		15	mg/L	9056A
Sulfate		42		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.67	J	1.0	mg/L	9060A
Alkalinity		260		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		310		5.0	mg/L	SM 2340C
Total Dissolved Solids		430		10	mg/L	SM 2540C
280-30184-3	**LF6VM1926QA**					
Ammonia		0.099	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.58	J	1.0	mg/L	351.2
Chemical Oxygen Demand		5.0	J	20	mg/L	410.4
Nitrate as N		3.4		0.50	mg/L	9056A
Chloride		82		15	mg/L	9056A
Nitrate Nitrite as N		3.4		0.50	mg/L	9056A
Sulfate		18		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.91	J	1.0	mg/L	9060A
Alkalinity		190		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		250		5.0	mg/L	SM 2340C
Total Dissolved Solids		340		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30184-4	**LF6VM2068QA**					
Ammonia		0.11		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.75	J	1.0	mg/L	351.2
Chemical Oxygen Demand		8.0	J	20	mg/L	410.4
Nitrate as N		1.5		0.50	mg/L	9056A
Chloride		120		15	mg/L	9056A
Nitrate Nitrite as N		1.5		0.50	mg/L	9056A
Sulfate		9.9		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.43	J	1.0	mg/L	9060A
Alkalinity		180		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		130		5.0	mg/L	SM 2340C
Total Dissolved Solids		360		10	mg/L	SM 2540C
280-30184-5	**LF6VM2175QA**					
Ammonia		0.12		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.70	J	1.0	mg/L	351.2
Chemical Oxygen Demand		6.3	J	20	mg/L	410.4
Nitrate as N		1.3		0.50	mg/L	9056A
Chloride		3.0		3.0	mg/L	9056A
Nitrate Nitrite as N		1.3		0.50	mg/L	9056A
Sulfate		3.0	J	5.0	mg/L	9056A
Total Organic Carbon - Quad		0.48	J	1.0	mg/L	9060A
Alkalinity		100		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		99		5.0	mg/L	SM 2340C
Total Dissolved Solids		110		10	mg/L	SM 2540C
280-30184-6	**LF6VM2235QA**					
Ammonia		0.11		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.64	J	1.0	mg/L	351.2
Chemical Oxygen Demand		9.7	J	20	mg/L	410.4
Nitrate as N		2.2		0.50	mg/L	9056A
Chloride		21		3.0	mg/L	9056A
Nitrate Nitrite as N		2.2		0.50	mg/L	9056A
Sulfate		18		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.63	J	1.0	mg/L	9060A
Alkalinity		180		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		310		5.0	mg/L	SM 2340C
Total Dissolved Solids		230		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30184-7FD	**LF6VM2235QC**					
Ammonia		0.19		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.71	J	1.0	mg/L	351.2
Chemical Oxygen Demand		6.3	J	20	mg/L	410.4
Nitrate as N		2.2		0.50	mg/L	9056A
Chloride		21		3.0	mg/L	9056A
Nitrate Nitrite as N		2.2		0.50	mg/L	9056A
Sulfate		17		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.59	J	1.0	mg/L	9060A
Alkalinity		180		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		200		5.0	mg/L	SM 2340C
Total Dissolved Solids		230		10	mg/L	SM 2540C
280-30184-8EB	**061812QE**					
Ammonia		0.098	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.60	J	1.0	mg/L	351.2
Nitrate as N		0.048	J	0.50	mg/L	9056A
Nitrate Nitrite as N		0.048	J	0.50	mg/L	9056A
Total Organic Carbon - Quad		0.22	J	1.0	mg/L	9060A
Hardness as calcium carbonate		3.2	J	5.0	mg/L	SM 2340C

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30184-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Nitrogen, Total Kjeldahl	TAL DEN	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL DEN		MCAWW 351.2
COD	TAL DEN	MCAWW 410.4	
Anions, Ion Chromatography	TAL DEN	SW846 9056A	
Organic Carbon, Total (TOC)	TAL DEN	SW846 9060A	
Color, Colorimetric	TAL DEN	SM SM 2120B	
Alkalinity	TAL DEN	SM SM 2320B	
Hardness, Total	TAL DEN	SM SM 2340C	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method	Analyst	Analyst ID
MCAWW 350.1	Wolff, Brett Q	BQW
MCAWW 351.2	Woolley, Mark	MW
MCAWW 410.4	Fayard, Maria	MF
SW846 9056A	Kudla, Ewa	EK
SW846 9060A	Bandy, Darlene F	DFB
SM SM 2120B	Ayala, Delaina	DA
SM SM 2320B	Gilbert, Bryan M	BMG
SM SM 2340C	Allen, Andrew J	AJA
SM SM 2540C	Domnick, Brandon J	BJD

General Chemistry

Client Sample ID: **LF6VM10R230QA**

Lab Sample ID: 280-30184-1
Client Matrix: Water

Date Sampled: 06/18/2012 1200
Date Received: 06/19/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.22	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126205	Analysis Date: 06/29/2012 1136						
Nitrogen, Kjeldahl	0.69	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-126896	Analysis Date: 07/07/2012 1503						
Prep Batch: 280-126750	Prep Date: 07/05/2012 2006						
Chemical Oxygen Demand	6.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124604	Analysis Date: 06/19/2012 1216						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1123						
Nitrate as N	0.86		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1123						
Chloride	5.2	J	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1123						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1123						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1123						
Nitrate Nitrite as N	0.86		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1123						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1123						
Sulfate	19		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1123						
Total Organic Carbon - Quad	0.50	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127341	Analysis Date: 07/11/2012 0936						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124723	Analysis Date: 06/20/2012 0642						
Alkalinity	100		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125300	Analysis Date: 06/22/2012 1543						
Hardness as calcium carbonate	130		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126803	Analysis Date: 07/06/2012 0937						
Total Dissolved Solids	140		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125370	Analysis Date: 06/25/2012 0714						

ant 9/8/12

General Chemistry

Client Sample ID: **LF6VM1850QA**

Lab Sample ID: 280-30184-2
Client Matrix: Water

Date Sampled: 06/18/2012 1441
Date Received: 06/19/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.096	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126205	Analysis Date: 06/29/2012 1154						
Nitrogen, Kjeldahl	0.74	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-126896	Analysis Date: 07/07/2012 1509						
Prep Batch: 280-126750	Prep Date: 07/05/2012 2006						
Chemical Oxygen Demand	7.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124604	Analysis Date: 06/19/2012 1216						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1230						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1230						
Chloride	92		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1806						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1230						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1230						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1230						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1230						
Sulfate	42		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1230						
Total Organic Carbon - Quad	0.67	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127341	Analysis Date: 07/11/2012 1029						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124723	Analysis Date: 06/20/2012 0642						
Alkalinity	260		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125300	Analysis Date: 06/22/2012 1548						
Hardness as calcium carbonate	310		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126803	Analysis Date: 07/06/2012 0937						
Total Dissolved Solids	430		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125370	Analysis Date: 06/25/2012 0714						

cwk 9/5/12

General Chemistry

Client Sample ID: LF6VM1926QA

Lab Sample ID: 280-30184-3
Client Matrix: Water

Date Sampled: 06/18/2012 1341
Date Received: 06/19/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.099	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126205	Analysis Date: 06/29/2012 1155						
Nitrogen, Kjeldahl	0.58	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-126896	Analysis Date: 07/07/2012 1510						
Prep Batch: 280-126750	Prep Date: 07/05/2012 2006						
Chemical Oxygen Demand	5.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124604	Analysis Date: 06/19/2012 1216						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1247						
Nitrate as N	3.4		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1247						
Chloride	82		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1823						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1247						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1247						
Nitrate Nitrite as N	3.4		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1247						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1247						
Sulfate	18		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1247						
Total Organic Carbon - Quad	0.91	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127341	Analysis Date: 07/11/2012 1122						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124723	Analysis Date: 06/20/2012 0642						
Alkalinity	190		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125300	Analysis Date: 06/22/2012 1615						
Hardness as calcium carbonate	250		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126803	Analysis Date: 07/06/2012 0937						
Total Dissolved Solids	340		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125370	Analysis Date: 06/25/2012 0714						

CMA 9/8/12

General Chemistry

Client Sample ID: LF6VM2068QA

Lab Sample ID: 280-30184-4
Client Matrix: Water

Date Sampled: 06/18/2012 1223
Date Received: 06/19/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.11	B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126205	Analysis Date: 06/29/2012 1157						
Nitrogen, Kjeldahl	0.75	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-126896	Analysis Date: 07/07/2012 1514						
Prep Batch: 280-126750	Prep Date: 07/05/2012 2006						
Chemical Oxygen Demand	8.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124604	Analysis Date: 06/19/2012 1216						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1304						
Nitrate as N	1.5		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1304						
Chloride	120		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1840						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1304						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1304						
Nitrate Nitrite as N	1.5		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1304						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1304						
Sulfate	9.9		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1304						
Total Organic Carbon - Quad	0.43	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127341	Analysis Date: 07/11/2012 1139						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124723	Analysis Date: 06/20/2012 0642						
Alkalinity	180		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125300	Analysis Date: 06/22/2012 1626						
Hardness as calcium carbonate	130		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126803	Analysis Date: 07/06/2012 0937						
Total Dissolved Solids	360		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125370	Analysis Date: 06/25/2012 0714						

cwt 9/8/12

General Chemistry

Client Sample ID: **LF6VM2175QA**

Lab Sample ID: 280-30184-5
Client Matrix: Water

Date Sampled: 06/18/2012 1045
Date Received: 06/19/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.12	B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126205	Analysis Date: 06/29/2012 1158						
Nitrogen, Kjeldahl	0.70	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-126896	Analysis Date: 07/07/2012 1516						
Prep Batch: 280-126750	Prep Date: 07/05/2012 2006						
Chemical Oxygen Demand	6.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124604	Analysis Date: 06/19/2012 1216						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1321						
Nitrate as N	1.3		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1321						
Chloride	3.0		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1321						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1321						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1321						
Nitrate Nitrite as N	1.3		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1321						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1321						
Sulfate	3.0	J	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1321						
Total Organic Carbon - Quad	0.48	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127341	Analysis Date: 07/11/2012 1156						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124723	Analysis Date: 06/20/2012 0642						
Alkalinity	100		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125300	Analysis Date: 06/22/2012 1630						
Hardness as calcium carbonate	99		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126803	Analysis Date: 07/06/2012 0937						
Total Dissolved Solids	110		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125370	Analysis Date: 06/25/2012 0714						

CWA 9/8/12

General Chemistry

Client Sample ID: LF6VM2235QA

Lab Sample ID: 280-30184-6
Client Matrix: Water

Date Sampled: 06/18/2012 1305
Date Received: 06/19/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.11	B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126205	Analysis Date: 06/29/2012 1200						
Nitrogen, Kjeldahl	0.64	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-126896	Analysis Date: 07/07/2012 1517						
Prep Batch: 280-126750	Prep Date: 07/05/2012 2006						
Chemical Oxygen Demand	9.7	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124604	Analysis Date: 06/19/2012 1216						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1337						
Nitrate as N	2.2		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1337						
Chloride	21		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1337						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1337						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1337						
Nitrate Nitrite as N	2.2		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1337						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1337						
Sulfate	18		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1337						
Total Organic Carbon - Quad	0.63	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127341	Analysis Date: 07/11/2012 1213						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124723	Analysis Date: 06/20/2012 0642						
Alkalinity	180		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125300	Analysis Date: 06/22/2012 1635						
Hardness as calcium carbonate	310	J	mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126803	Analysis Date: 07/06/2012 0937						
Total Dissolved Solids	230		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125370	Analysis Date: 06/25/2012 0714						

CWK 9/8/12

General Chemistry

Client Sample ID: LF6VM2235QC

Lab Sample ID: 280-30184-7FD
Client Matrix: Water

Date Sampled: 06/18/2012 1305
Date Received: 06/19/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.19	B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126205	Analysis Date: 06/29/2012 1201						
Nitrogen, Kjeldahl	0.71	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-126896	Analysis Date: 07/07/2012 1518						
Prep Batch: 280-126750	Prep Date: 07/05/2012 2006						
Chemical Oxygen Demand	6.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124604	Analysis Date: 06/19/2012 1216						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1354						
Nitrate as N	2.2		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1354						
Chloride	21		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1354						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1354						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1354						
Nitrate Nitrite as N	2.2		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1354						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1354						
Sulfate	17		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1354						
Total Organic Carbon - Quad	0.59	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127341	Analysis Date: 07/11/2012 1230						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124723	Analysis Date: 06/20/2012 0642						
Alkalinity	180		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125300	Analysis Date: 06/22/2012 1640						
Hardness as calcium carbonate	200	J	mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126803	Analysis Date: 07/06/2012 0937						
Total Dissolved Solids	230		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125370	Analysis Date: 06/25/2012 0714						

CMT 9/5/12

General Chemistry

Client Sample ID: 061812QE

Lab Sample ID: 280-30184-8EB
Client Matrix: Water

Date Sampled: 06/18/2012 1500
Date Received: 06/19/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.098	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126205	Analysis Date: 06/29/2012 1203						
Nitrogen, Kjeldahl	0.60	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-126896	Analysis Date: 07/07/2012 1519						
Prep Batch: 280-126750	Prep Date: 07/05/2012 2006						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124604	Analysis Date: 06/19/2012 1216						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1445						
Nitrate as N	0.048	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1445						
Chloride	0.50	U	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1445						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1445						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1445						
Nitrate Nitrite as N	0.048	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1445						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1445						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1445						
Total Organic Carbon - Quad	0.22	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127341	Analysis Date: 07/11/2012 1247						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124723	Analysis Date: 06/20/2012 0642						
Alkalinity	2.0	U	mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125300	Analysis Date: 06/22/2012 1643						
Hardness as calcium carbonate	3.2	J	mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126803	Analysis Date: 07/06/2012 0937						
Total Dissolved Solids	10	U	mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125370	Analysis Date: 06/25/2012 0714						

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-126205

Method: 350.1
Preparation: N/A

Lab Sample ID:	MB 280-126205/20	Analysis Batch:	280-126205	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0629NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/29/2012 1039	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Ammonia	0.0233	J	0.022	0.10

Method Blank - Batch: 280-126205

Method: 350.1
Preparation: N/A

Lab Sample ID:	MB 280-126205/59	Analysis Batch:	280-126205	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0629NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/29/2012 1137	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Ammonia	0.050	U	0.022	0.10

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126205

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126205/21	Analysis Batch:	280-126205	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0629NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/29/2012 1040	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126205/22	Analysis Batch:	280-126205	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0629NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/29/2012 1042	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	101	101	90 - 110	0	10		

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126205

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126205/60	Analysis Batch:	280-126205	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0629NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/29/2012 1139	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126205/61	Analysis Batch:	280-126205	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0629NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/29/2012 1140	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	100	99	90 - 110	0	10		

Client: FPM Remediations Inc

Job Number: 280-30184-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126205

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126205/21	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126205/22
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/29/2012 1040			Analysis Date:	06/29/2012 1042
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ammonia	5.00	5.00	5.04	5.03

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126205

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126205/60	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126205/61
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/29/2012 1139			Analysis Date:	06/29/2012 1140
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ammonia	5.00	5.00	4.98	4.97

Client: FPM Remediations Inc

Job Number: 280-30184-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126205

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Analysis Batch:	280-126205	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0629NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/29/2012 1151			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30184-1	Analysis Batch:	280-126205	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0629NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/29/2012 1152			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	38	37	90 - 110	4	20	J	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126205

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Units:	mg/L	MSD Lab Sample ID:	280-30184-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/29/2012 1151			Analysis Date:	06/29/2012 1152
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Ammonia	0.22	4.00	4.00	1.76	J	1.69	J

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-126750

Method: 351.2
Preparation: 351.2

Lab Sample ID:	MB 280-126750/3-A	Analysis Batch:	280-126896	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-126750	Lab File ID:	070712TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/07/2012 1502	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/05/2012 2006				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrogen, Kjeldahl	0.316	J	0.077	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126750

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 280-126750/1-A	Analysis Batch:	280-126896	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-126750	Lab File ID:	070712TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/07/2012 1459	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/05/2012 2006				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126750/2-A	Analysis Batch:	280-126896	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-126750	Lab File ID:	070712TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/07/2012 1500	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/05/2012 2006				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrogen, Kjeldahl	95	95	90 - 110	1	25		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126750

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 280-126750/1-A	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126750/2-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/07/2012 1459			Analysis Date:	07/07/2012 1500
Prep Date:	07/05/2012 2006			Prep Date:	07/05/2012 2006
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrogen, Kjeldahl	6.00	6.00	5.67	5.72

Client: FPM Remediations Inc

Job Number: 280-30184-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126750

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	280-30184-1	Analysis Batch:	280-126896	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-126750	Lab File ID:	070712TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/07/2012 1504			Final Weight/Volume:	25 mL
Prep Date:	07/05/2012 2006				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30184-1	Analysis Batch:	280-126896	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-126750	Lab File ID:	070712TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/07/2012 1505			Final Weight/Volume:	25 mL
Prep Date:	07/05/2012 2006				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrogen, Kjeldahl	71	72	90 - 110	1	25	J	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126750

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	280-30184-1	Units:	mg/L
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	07/07/2012 1504		
Prep Date:	07/05/2012 2006		
Leach Date:	N/A		

MSD Lab Sample ID:	280-30184-1
Client Matrix:	Water
Dilution:	1.0
Analysis Date:	07/07/2012 1505
Prep Date:	07/05/2012 2006
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Nitrogen, Kjeldahl	0.69	J	3.00	3.00	2.82	J	2.86	J

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-124604

Method: 410.4
Preparation: N/A

Lab Sample ID:	MB 280-124604/5	Analysis Batch:	280-124604	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	06/19/2012 1216	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Chemical Oxygen Demand	10	U	4.1	20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-124604

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-124604/3	Analysis Batch:	280-124604	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/19/2012 1216	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-124604/4	Analysis Batch:	280-124604	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/19/2012 1216	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chemical Oxygen Demand	99	102	90 - 110	3	11		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-124604

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-124604/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-124604/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/19/2012 1216			Analysis Date:	06/19/2012 1216
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chemical Oxygen Demand	100	100	99.4	102

Client: FPM Remediations Inc

Job Number: 280-30184-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-124604

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-30184-2	Analysis Batch:	280-124604	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/19/2012 1216			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30184-2	Analysis Batch:	280-124604	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/19/2012 1216			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chemical Oxygen Demand	97	96	90 - 110	1	11		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-124604

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-30184-2	Units:	mg/L	MSD Lab Sample ID:	280-30184-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/19/2012 1216			Analysis Date:	06/19/2012 1216
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chemical Oxygen Demand	7.3	J	50.0	50.0	56.1	55.4

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-124773

Method: 9056A
Preparation: N/A

Lab Sample ID:	MB 280-124773/7	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	116.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1106	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrate as N	0.10	U	0.042	0.50
Nitrite as N	0.10	U	0.049	0.50
Nitrate Nitrite as N	0.10	U	0.042	0.50
Orthophosphate as P	0.20	U	0.19	0.50

Method Reporting Limit Check - Batch: 280-124773

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-124773/3	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 0959	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate as N	0.200	0.213	107	50 - 150	J
Nitrite as N	0.200	0.211	106	50 - 150	J

Method Reporting Limit Check - Batch: 280-124773

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-124773/6	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	115.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1049	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Orthophosphate as P	0.500	0.412	82	50 - 150	J

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-124773

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-124773/4	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1016	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-124773/5	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1033	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrate as N	100	100	87 - 110	0	10		
Nitrite as N	97	97	87 - 112	0	10		
Orthophosphate as P	92	97	90 - 110	5	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-124773

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-124773/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-124773/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/19/2012 1016			Analysis Date:	06/19/2012 1033
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrate as N	5.00	5.00	4.99	5.00
Nitrite as N	5.00	5.00	4.87	4.86
Orthophosphate as P	5.00	5.00	4.59	4.83

Client: FPM Remediations Inc

Job Number: 280-30184-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-124773

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	119.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1157			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30184-1	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	120.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1213			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate as N	106	110	87 - 110	3	10		
Nitrite as N	98	101	87 - 112	3	10		
Orthophosphate as P	107	114	80 - 120	6	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-124773

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Units:	mg/L	MSD Lab Sample ID:	280-30184-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/19/2012 1157			Analysis Date:	06/19/2012 1213
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

	Sample		MS Spike	MSD Spike	MS	MSD
Analyte	Result/Qual		Amount	Amount	Result/Qual	Result/Qual
Nitrate as N	0.86		5.00	5.00	6.18	6.37
Nitrite as N	0.10	U	5.00	5.00	4.92	5.07
Orthophosphate as P	0.20	U	5.00	5.00	5.36	5.70

Client: FPM Remediations Inc

Job Number: 280-30184-1

Duplicate - Batch: 280-124773

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30184-1	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	118.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1140	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Nitrate as N	0.86		0.862	0.3	15	
Nitrite as N	0.10	U	0.10	NC	15	U
Orthophosphate as P	0.20	U	0.20	NC	15	U

Duplicate - Batch: 280-124773

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30184-7	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	136.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1659	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Nitrate as N	2.2		2.23	0.3	15	
Nitrite as N	0.10	U	0.10	NC	15	U
Orthophosphate as P	0.20	U	0.20	NC	15	U

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-124774

Method: 9056A
Preparation: N/A

Lab Sample ID:	MB 280-124774/7	Analysis Batch:	280-124774	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	116.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1106	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Bromide	0.20	U	0.11	0.50
Chloride	0.50	U	0.25	3.0
Fluoride	0.10	U	0.060	1.0
Sulfate	0.50	U	0.23	5.0

Method Reporting Limit Check - Batch: 280-124774

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-124774/3	Analysis Batch:	280-124774	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 0959	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	0.200	0.222	111	50 - 150	
Chloride	1.00	1.04	104	50 - 150	J
Fluoride	0.200	0.185	93	50 - 150	J
Sulfate	1.00	0.798	80	50 - 150	J

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-124774

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-124774/4	Analysis Batch:	280-124774	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1016	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-124774/5	Analysis Batch:	280-124774	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1033	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bromide	99	99	86 - 110	0	10		
Chloride	100	100	89 - 110	0	10		
Fluoride	102	102	88 - 111	0	10		
Sulfate	99	100	86 - 110	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-124774

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-124774/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-124774/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/19/2012 1016			Analysis Date:	06/19/2012 1033
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Bromide	5.00	5.00	4.95	4.95
Chloride	25.0	25.0	25.1	25.0
Fluoride	5.00	5.00	5.08	5.08
Sulfate	25.0	25.0	24.9	25.0

Client: FPM Remediations Inc

Job Number: 280-30184-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-124774

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Analysis Batch:	280-124774	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	119.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1157			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30184-1	Analysis Batch:	280-124774	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	120.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1213			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromide	106	109	86 - 110	3	10		
Chloride	108	112	89 - 110	3	10		J
Fluoride	100	103	88 - 111	3	10		
Sulfate	105	108	86 - 110	2	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-124774

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Units:	mg/L	MSD Lab Sample ID:	280-30184-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/19/2012 1157			Analysis Date:	06/19/2012 1213
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Bromide	0.20	U	5.00	5.00	5.28	5.46	
Chloride	5.2		25.0	25.0	32.2	33.1	J
Fluoride	0.10	U	5.00	5.00	5.00	5.17	
Sulfate	19		25.0	25.0	45.0	45.8	

Client: FPM Remediations Inc

Job Number: 280-30184-1

Duplicate - Batch: 280-124774

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30184-1	Analysis Batch:	280-124774	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	118.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1140	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Bromide	0.20	U	0.20	NC	15	U
Chloride	5.2		5.19	0.08	15	
Fluoride	0.10	U	0.10	NC	15	U
Sulfate	19		18.8	0.5	15	

Duplicate - Batch: 280-124774

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30184-7	Analysis Batch:	280-124774	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	136.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1659	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Bromide	0.20	U	0.20	NC	15	U
Chloride	21		20.7	0.9	15	
Fluoride	0.10	U	0.10	NC	15	U
Sulfate	17		17.1	0.4	15	

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-127341

Method: 9060A
Preparation: N/A

Lab Sample ID:	MB 280-127341/47	Analysis Batch:	280-127341	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071012.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/11/2012 0918	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Total Organic Carbon - Quad	0.40	U	0.16	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-127341

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-127341/45	Analysis Batch:	280-127341	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071012.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/11/2012 0840	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-127341/46	Analysis Batch:	280-127341	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071012.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/11/2012 0858	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon - Quad	93	93	86 - 114	0	12		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-127341

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-127341/45	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-127341/46
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/11/2012 0840			Analysis Date:	07/11/2012 0858
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon - Quad	25.0	25.0	23.4	23.3

Client: FPM Remediations Inc

Job Number: 280-30184-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127341

Method: 9060A
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Analysis Batch:	280-127341	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071012.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/11/2012 0952			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30184-1	Analysis Batch:	280-127341	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071012.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/11/2012 1010			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon - Quad	94	94	86 - 114	0	12		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127341

Method: 9060A
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Units:	mg/L	MSD Lab Sample ID:	280-30184-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/11/2012 0952			Analysis Date:	07/11/2012 1010
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon - Quad	0.50	J	25.0	25.0	24.0	24.0

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-124723

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	MB 280-124723/1	Analysis Batch:	280-124723	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/20/2012 0642	Units:	PCU	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Color	5.0	U	5.0	5.0

Duplicate - Batch: 280-124723

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	280-30184-1	Analysis Batch:	280-124723	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/20/2012 0642	Units:	PCU	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Color	5.0	U	5.0	NC	20	U

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-125300

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	MB 280-125300/33	Analysis Batch:	280-125300	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062212b.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1342	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Alkalinity	2.0	U	1.1	5.0

Method Blank - Batch: 280-125300

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	MB 280-125300/63	Analysis Batch:	280-125300	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062212b.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1611	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Alkalinity	2.0	U	1.1	5.0

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125300

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125300/31	Analysis Batch:	280-125300	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062212b.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1333	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125300/32	Analysis Batch:	280-125300	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062212b.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1338	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Alkalinity	103	104	90 - 110	0	10		

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125300

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125300/61	Analysis Batch:	280-125300	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062212b.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1602	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125300/62	Analysis Batch:	280-125300	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062212b.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1607	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Alkalinity	103	104	90 - 110	1	10		

Client: FPM Remediations Inc

Job Number: 280-30184-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125300

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125300/31	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125300/32
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/22/2012 1333			Analysis Date:	06/22/2012 1338
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Alkalinity	200	200	206	207

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125300

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125300/61	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125300/62
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/22/2012 1602			Analysis Date:	06/22/2012 1607
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Alkalinity	200	200	206	207

Duplicate - Batch: 280-125300

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	280-30184-3	Analysis Batch:	280-125300	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062212b.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1620	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	190	188	0.2	10	

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-126803

Method: SM 2340C
Preparation: N/A

Lab Sample ID:	MB 280-126803/1	Analysis Batch:	280-126803	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/06/2012 0937	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hardness as calcium carbonate	1.5	U	1.3	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126803

Method: SM 2340C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126803/2	Analysis Batch:	280-126803	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/06/2012 0937	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126803/3	Analysis Batch:	280-126803	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/06/2012 0937	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hardness as calcium carbonate	100	100	90 - 110	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126803

Method: SM 2340C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126803/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126803/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/06/2012 0937			Analysis Date:	07/06/2012 0937
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Hardness as calcium carbonate	403	403	402	405

Client: FPM Remediations Inc

Job Number: 280-30184-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126803

Method: SM 2340C
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Analysis Batch:	280-126803	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/06/2012 0937			Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30184-1	Analysis Batch:	280-126803	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/06/2012 0937			Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hardness as calcium carbonate	98	98	90 - 110	1	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126803

Method: SM 2340C
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Units: mg/L	
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	07/06/2012 0937		
Prep Date:	N/A		
Leach Date:	N/A		

MSD Lab Sample ID:	280-30184-1		
Client Matrix:	Water		
Dilution:	1.0		
Analysis Date:	07/06/2012 0937		
Prep Date:	N/A		
Leach Date:	N/A		

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Hardness as calcium carbonate	130	403	403	520	524

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-125370

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 280-125370/1	Analysis Batch:	280-125370	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/25/2012 0714	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Total Dissolved Solids	10	U	4.7	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125370

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125370/2	Analysis Batch:	280-125370	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/25/2012 0714	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125370/3	Analysis Batch:	280-125370	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/25/2012 0714	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	95	94	86 - 110	1	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125370

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125370/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125370/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/25/2012 0714			Analysis Date:	06/25/2012 0714
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	502	502	478	474

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Section	Qualifier	Description
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	U	Undetected at the Limit of Detection.

FPM Remediations, Inc.
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site Griffiss AFB Landfill 6
Water Sampling
Contract No. FA8903-10-D-8595, Delivery Order No. 0014

FPM Project No. 1015-11-01

TestAmerica Job #280-30235-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	13
Analytical Protocol:	DOD QSM, version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	June 19, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
LF6M0168QA	6/19/12	LF6M0168QC, LF6M0168QS, LF6M0168QD	6/19/12
775VM1095QA	6/19/12	061912QE, 061912QF, 061912QR	6/19/12
775VM18R90QA	6/19/12		
775VM20R110QA	6/19/12		
LF6VM2449QA	6/19/12		
LF6VM2544QA	6/19/12		
TMCM0919QA	6/19/12		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.

QA – Primary environmental samples
QC – Field duplicate samples
QD – Matrix spike duplicate (MSD)
QE – Equipment Blank
QF – Ambient Blank
QR – Trip Blank
QS – Matrix spike (MS)

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical methods employed included SW-846: Volatile Organic Compounds (VOCs) by Method SW8260, Total Organic Carbon (TOC) by Method SW 9060A, Total Dissolved Solids by Method SM 2540C, Total Alkalinity by Method SM 2320B, Anions by Method SW9056, Ammonia by Method 350.1, Total Kjeldahl Nitrogen by Method 351.2, Color by Method SM 2120B, Hardness (as calcium carbonate) by Method SM 2340C, Chemical Oxygen Demand (COD) by Method 410.4, and Biochemical Oxygen Demand (BOD) by Method SM 5210B.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits (DLs) and limits of quantitation (LOQs)
- Holding times, sample preservation and storage
- Second source calibration verification summary
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control samples (LCS)
- Results reported between DL and LOQ (J-flag)
- MS tune performance
- Ambient, equipment, and trip blanks (as applicable)
- Surrogate spike recoveries
- Internal standard areas counts and retention times

- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

No 40 mL HCL-preserved VOA vials were received for sample LF6VM2348QA, so the analysis could not be performed.

SAMPLE LABELING

It was noted that there was a discrepancy between the sample label on the container and the sample ID listed on the COC for sample LF6VM2449QA. Per FPM's request, the laboratory logged the sample in per the sample label.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between the DL and LOQ), the laboratory and/or data verifier qualified the subject results with a "J" flag. Since no qualification of associated field samples are required for blanks less than half the LOQ, no further action was taken in such instances.

MS/MSD

For several analytes, the lab performed matrix spike/matrix spike duplicate sample (MS/MSD) analyses for various field samples. However, these samples were not requested by the client in the chain-of-custody; therefore, no action was taken for the MS/MSD sample criterion.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- According to the case narrative, in the following continuing calibration verification (CCV), analytes exhibited the following exceedances:

Type of Calibration Exceedance Affected Analytes	%D/ %RSD	AFCEE QC Limit	Flag Applied	Rationale
CCV 280-126144/3				
1,2-Dichloroethane-d4	***-22.4***	±20	None	%D < upper control limit; all associated surrogate recoveries within control limits

Corrective Action: According to the case narrative, the laboratory's SOP allows for 6 analytes to be outside limits, so this exceedance had no impact on the reporting of the data. Using professional judgment, this exceedance did not have any impact on associated data since all surrogate recoveries were within control limits. No flagging is deemed necessary.

WET CHEMISTRY ANALYTES

- According to the case narrative, the following analytes were analyzed at initial dilutions:

Analyte	Sample	Dilution
Bromide, nitrate, nitrite, fluoride, nitrate-nitrite, orthophosphate, sulfate	LF6M0168QA, LF6M0168QC	1:2
Chloride	LF6M0168QA, LF6M0168QC	1:50
Chloride	775VM1095QA, 775VM20R110QA, TMCM0919QA	1:5
Chloride	775VM18R90QA, LF6VM2449QA	1:10
Sulfate	TMCM0919QA	1:5

The dilution results only are reported and are used in data verification as representing original results.

- The following table summarizes QC exceedances of the matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and/or RPDs for parent samples LF6M0168QA/QC. The spike analytes, MS recoveries, MSD recoveries, spike recovery QC limits, and RPDs and their QC limit between the MS and MSD are listed.

Parent Sample: LF6M0168QA/QC

Spike Compounds	MS %Rec	MSD %Rec	QAPP QC Limits	RPD % (QAPP limit 20%)	Flag Applied	Rationale
Ammonia	***78***	***78***	90-110	0	J	%Rec outside QC limits
TKN	84	87	77-115	3	None	%Rec within QAPP control limits

Data for matrix spike/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices. Generally, these data alone cannot be used to evaluate the precision and accuracy of individual samples. A

matrix spike and matrix spike duplicate analysis is an aliquot of sample spiked with known concentrations of all the analytes in the method. According to the QAPP, the MS/MSD result is used to assess whether the sample matrix may bias the results. The recommended frequency of analysis is one MS/MSD per 20 samples. Exceedances of either percent recovery (%Rec) control limits of spike concentrations or relative percent difference (RPD) control limits between the MS and MSD results, according to the QAPP require a "J" (matrix effect) qualifier for the specific analyte in all samples collected from the same site matrix as the parent. However, due to the varied nature of environmental samples, such as locations, depths, physical characteristics (dissolved and suspended solids, turbidity, pH, organic content, etc.), it is difficult to assign one set of MS/MSD sample analysis as truly representative of an entire site matrix. Therefore, based on the definition of this type of QA/QC sample, using professional judgment it is deemed inappropriate to qualify more than the actual parent sample due to a percent recovery or RPD exceedance. This approach is in accordance with the EPA National Functional guidelines, which states that the MS/MSD results are not used alone to qualify the entire data package, however, can be used in conjunction with other QC criteria to determine the need for some qualification of the data. Using professional judgment, no corrective action and/or flagging is deemed required for minimal exceedances (i.e., within 1% of the %Rec control limits).

Corrective Action: "J" qualifiers were added to the associated ammonia results in parent samples LF6M0168QA/QC only. No exceedances were noted for TKN, since the laboratory had applied different control limits for the MS/MSD %Rec than those listed in the QAPP. Note that the "J" flag for TKN in sample LF6M0168QA was retained since the results were less than the LOQ.

- The following blank sample analyses indicated blank contaminants present at concentrations equal to or greater than half the limit of quantitation (LOQ). The Blank ID, detected contaminant, and concentration are listed.

Blank ID	Analyte	Concentration (mg/L)	LOQ (mg/L)	Samples Affected
061912QE	Ammonia	0.073 J	0.10	LF6M0168QA, LF6M0168QC, 775VM1095QA, 775VM20R110QA, LF6VM2449QA, TMCM0919QA
	TKN	0.64 J	1.0	LF6M0168QA, LF6M0168QC, 775VM1095QA, 775VM18R90QA, 775VM20R110QA, LF6VM2449QA, LF6VM2544QA, TMCM0919QA

The purpose of laboratory, equipment or trip blank analysis is to determine the existence and magnitude of contamination resulting from lab or field activities. If contamination is found in blanks the associated sample results for these analytes may be considered suspect. As per

the QAPP, based on the blank contaminants present above half the LOQ, results for the specific analytes in the associated environmental samples are qualified with a "B" flag. However, in accordance with the EPA National Functional Guidelines and consistent with the QAPP, the "B" flag is **not** applied for sample results that are greater than five times (5x) the blank concentration. Thus the "B" flag is only applied to those samples for which the sample result is positive and less than five times (5x) the blank concentration.
Corrective Action: "B" flags were applied to the ammonia and TKN results for the field samples listed, since the associated results were less than 5x the blank concentration.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The UFP QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above 5x the LOQ and the relative percent differences (RPDs) between the duplicate sample results exceed RPD control limits (20% for aqueous samples). If either the parent or the duplicate sample is less than 5x the LOQ, then the difference between the parent and duplicate sample must be less than 2x the LOQ. "J" flags for detects and "UJ" flags for non-detects are required per the QAPP for any exceedances.

  The following table summarizes the RPDs of field duplicate sample set LF6M0168QA/QC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (mg/L)	Field Dup Result (mg/L)	LOQ (mg/L)	RPD or ±difference	Flag Applied	Rationale
LF6M0168QA	LF6M0168QC	Ammonia	0.065 JB	0.13B	0.10	0.065	None	Difference < 2xLOQ
LF6M0168QA	LF6M0168QC	TKN	1.0 BJ	1.0 B	1.0	0	None	Difference < 2xLOQ
LF6M0168QA	LF6M0168QC	COD	11 J	16 J	20	5	None	Difference < 2xLOQ
LF6M0168QA	LF6M0168QC	Bromide	0.34 J	0.35 J	1.0	0.01	None	Difference < 2xLOQ
LF6M0168QA	LF6M0168QC	Nitrate	1.9	2.0	1.0	0.1	None	Difference < 2xLOQ
LF6M0168QA	LF6M0168QC	Chloride	1300	1300	150	0	None	RPD < 20%
LF6M0168QA	LF6M0168QC	Nitrate-nitrite	1.9	2.0	1.0	0.1	None	Difference < 2xLOQ
LF6M0168QA	LF6M0168QC	Orthophosphate	0.40 U	0.45 J	1.0	0.05	None	Difference < 2xLOQ
LF6M0168QA	LF6M0168QC	Sulfate	56	56	10	0	None	RPD < 20%
LF6M0168QA	LF6M0168QC	TOC	1.4	1.4	1.0	0	None	Difference < 2xLOQ
LF6M0168QA	LF6M0168QC	Alkalinity	230	230	5.0	0	None	RPD < 20%
LF6M0168QA	LF6M0168QC	Hardness	410 J	400	5.0	2.5	None	RPD > 20%
LF6M0168QA	LF6M0168QC	TDS	2400	2400	40	0	None	RPD <

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (mg/L)	Field Dup Result (mg/L)	LOQ (mg/L)	RPD or ±difference	Flag Applied	Rationale
								20%

Corrective Action: No "J" qualifiers were applied to the ammonia results for samples LF6M0168QA/QC, since all RPDs and differences were within control limits.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

WET CHEMISTRY ANALYTES

Based on the evaluation of all information in the analytical data groups, the results of the samples for wet chemistry analytes are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # 280-30282-1 are valid and usable with qualifications as noted in the data review.

Signed: Concordia Van Hoesel Date: 9/8/12

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30235-1

Job Description: Griffiss AFB LF6 LTM

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Julie L Dreesen
Project Mgmt. Assistant
7/17/2012 2:50 PM

Designee for
Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/17/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB LF6 LTM
Report Number: 280-30235-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
Eleven samples were received on 06/20/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 4.4 °C, 3.4 °C, and 5.0 °C.

Samples LF6M0168QS and LF6M0168QD were logged as the MS/MSD with the same sample ID, LF6M0168QA, as its parent sample. The client was notified on June 20, 2012.

MS/MSD is not performed for the following analyses: TDS, Color, Alkalinity, and BOD. The client was notified on June 20, 2012.

A sample ID discrepancy was noted between the information listed on the chain-of-custody and the container label for TA Denver samples 280-30235-6. The chain-of-custody lists the sample ID as LF6VM24499QA, while the container labels list the sample ID as LF6VM2449QA. The Sample Technician was able to determine the identity of the sample by comparing the sample collection time on the COC with the sample collection time on the sample container label. As requested by the client on 06/22/2012, the sample ID was logged per the sample container label. The client was notified on June 20, 2012.

MS/MSD analyses were requested and performed on sample LF6M0168QA (280-30235-1).

As instructed by the client, samples requesting BOD analysis have not been reported as the QC for the batch did not pass for an unknown reason. Samples will be recollected and resubmitted at a later date.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples 775VM1095QA (280-30235-3), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8), 061912QE (280-30235-9), 061912QF (280-30235-10) and 061912QR (280-30235-11) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 06/29/2012.

Methylene Chloride was detected in method blank MB 280-126144/7 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 280-126144: 1,2-Dichloroethane-d4 (Surr). The compound is not classified as a Calibration Check Compound (CCC) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for 6 analytes to be outside limits; therefore, the data have been reported.

Refer to the QC report for details.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

COLOR
Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for color in accordance with SM20 2120B - Colorimetric. The samples were analyzed on 06/20/2012.

No difficulties were encountered during the color analyses.

All quality control parameters were within the acceptance limits.

ALKALINITY
Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 06/23/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

HARDNESS
Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for hardness in accordance with SM20 2340C. The samples were analyzed on 07/13/2012.

No difficulties were encountered during the hardness analyses.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS
Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 06/26/2012.

Constant weight was not achieved after 3 drying cycles for the following TDS samples of batch 280-125565: LF6M0168QC (280-30235-2) and LF6VM2449QA (280-30235-6).

No other difficulties were encountered during the TDS analyses.

All other quality control parameters were within the acceptance limits.

AMMONIA
Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 07/02/2012.

Ammonia was detected in method blank MB 280-126422/120 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 280-126422, performed on sample LF6M0168QA (280-30235-1), were outside control limits for Ammonia. The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

TOTAL KJELDAHL NITROGEN
Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 07/10/2012 and analyzed on 07/11/2012.

Nitrogen, Kjeldahl was detected in method blank MB 280-127378/3-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 280-127378, performed on sample LF6M0168QA (280-30235-1), were outside control limits for Nitrogen, Kjeldahl. The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the TKN analyses.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND
Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4),

775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for chemical oxygen demand in accordance with EPA Method 410.4. The samples were analyzed on 06/21/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

ANIONS (28 DAYS)

Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for anions (28 days) in accordance with EPA SW-846 Method 9056. The samples were analyzed on 06/20/2012.

Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6) and TMCM0919QA (280-30235-8) required dilution prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

ANIONS (48 HOURS)

Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for anions (48 hours) in accordance with EPA SW-846 Method 9056A. The samples were analyzed on 06/20/2012.

Samples LF6M0168QA (280-30235-1)[2X] and LF6M0168QC (280-30235-2)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 07/13/2012.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: MSV_Z Analysis Batch Number: 123533

Lab Sample ID: IC 280-123533/4 Client Sample ID:

Date Analyzed: 06/11/12 11:42 Lab File ID: Z7130.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Nitropropane	6.22	Baseline Event	tinkhams	06/11/12 23:22

Lab Sample ID: IC 280-123533/7 Client Sample ID:

Date Analyzed: 06/11/12 12:46 Lab File ID: Z7133.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Nitropropane	6.21	Baseline Event	tinkhams	06/11/12 23:23

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: MSV_Z Analysis Batch Number: 123533

Lab Sample ID: IC 280-123533/4 Client Sample ID:

Date Analyzed: 06/11/12 11:42 Lab File ID: Z7130.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Nitropropane	6.22	Baseline Event	tinkhams	06/11/12 23:22

Lab Sample ID: IC 280-123533/7 Client Sample ID:

Date Analyzed: 06/11/12 12:46 Lab File ID: Z7133.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Nitropropane	6.21	Baseline Event	tinkhams	06/11/12 23:23

7/13/12

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30235-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30235-1	LF6M0168QA	Water	06/19/2012 1523	06/20/2012 0900
280-30235-1MS	LF6M0168QA	Water	06/19/2012 1523	06/20/2012 0900
280-30235-1MSD	LF6M0168QA	Water	06/19/2012 1523	06/20/2012 0900
280-30235-2FD	LF6M0168QC	Water	06/19/2012 1523	06/20/2012 0900
280-30235-3	775VM1095QA	Water	06/19/2012 1139	06/20/2012 0900
280-30235-4	775VM18R90QA	Water	06/19/2012 1049	06/20/2012 0900
280-30235-5	775VM20R110QA	Water	06/19/2012 1407	06/20/2012 0900
280-30235-6	LF6VM2449QA	Water	06/19/2012 1532	06/20/2012 0900
280-30235-7	LF6VM2544QA	Water	06/19/2012 1144	06/20/2012 0900
280-30235-8	TMCM0919QA	Water	06/19/2012 1248	06/20/2012 0900
280-30235-9EB	061912QE	Water	06/19/2012 1251	06/20/2012 0900
280-30235-10FB	061912QF	Water	06/19/2012 1325	06/20/2012 0900
280-30235-11TB	061912QR	Water	06/19/2012 0845	06/20/2012 0900

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30235-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30235-1	**LF6M0168QA**					
Ammonia		0.065	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.0	J	1.0	mg/L	351.2
Chemical Oxygen Demand		11	J	20	mg/L	410.4
Bromide		0.34	J	1.0	mg/L	9056A
Nitrate as N		1.9		1.0	mg/L	9056A
Chloride		1300		150	mg/L	9056A
Nitrate Nitrite as N		1.9		1.0	mg/L	9056A
Sulfate		56		10	mg/L	9056A
Total Organic Carbon - Quad		1.4		1.0	mg/L	9060A
Alkalinity		230		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		410	J	5.0	mg/L	SM 2340C
Total Dissolved Solids		2400		40	mg/L	SM 2540C
280-30235-2FD	**LF6M0168QC**					
Ammonia		0.13		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.0		1.0	mg/L	351.2
Chemical Oxygen Demand		16	J	20	mg/L	410.4
Bromide		0.35	J	1.0	mg/L	9056A
Nitrate as N		2.0		1.0	mg/L	9056A
Chloride		1300		150	mg/L	9056A
Nitrate Nitrite as N		2.0		1.0	mg/L	9056A
Sulfate		56		10	mg/L	9056A
Orthophosphate as P		0.45	J	1.0	mg/L	9056A
Total Organic Carbon - Quad		1.4		1.0	mg/L	9060A
Alkalinity		230		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		400		5.0	mg/L	SM 2340C
Total Dissolved Solids		2400		40	mg/L	SM 2540C
280-30235-3	**775VM1095QA**					
1,1,1-Trichloroethane		0.36	J	1.0	ug/L	8260B/DoD
Methylene Chloride		0.33	J	5.0	ug/L	8260B/DoD
Trichloroethene		42		1.0	ug/L	8260B/DoD
Ammonia		0.062	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.67	J	1.0	mg/L	351.2
Nitrate as N		1.5		0.50	mg/L	9056A
Chloride		150		15	mg/L	9056A
Nitrate Nitrite as N		1.5		0.50	mg/L	9056A
Sulfate		22		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.81	J	1.0	mg/L	9060A
Alkalinity		160		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		190		5.0	mg/L	SM 2340C
Total Dissolved Solids		430		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30235-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30235-4	**775VM18R90QA**					
Ammonia		0.81		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.61	J	1.0	mg/L	351.2
Chemical Oxygen Demand		8.0	J	20	mg/L	410.4
Bromide		0.14	J	0.50	mg/L	9056A
Nitrate as N		3.4		0.50	mg/L	9056A
Chloride		460		30	mg/L	9056A
Nitrate Nitrite as N		3.4		0.50	mg/L	9056A
Sulfate		42		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.81	J	1.0	mg/L	9060A
Alkalinity		190		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		310		5.0	mg/L	SM 2340C
Total Dissolved Solids		1000		10	mg/L	SM 2540C
280-30235-5	**775VM20R110QA**					
Ammonia		0.075	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.0		1.0	mg/L	351.2
Nitrate as N		0.048	J	0.50	mg/L	9056A
Chloride		57		15	mg/L	9056A
Nitrate Nitrite as N		0.048	J	0.50	mg/L	9056A
Sulfate		39		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.62	J	1.0	mg/L	9060A
Alkalinity		180		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		200		5.0	mg/L	SM 2340C
Total Dissolved Solids		300		10	mg/L	SM 2540C
280-30235-6	**LF6VM2449QA**					
cis-1,2-Dichloroethene		0.49	J	1.0	ug/L	8260B/DoD
Ammonia		0.12		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.90	J	1.0	mg/L	351.2
Chemical Oxygen Demand		4.3	J	20	mg/L	410.4
Bromide		0.63		0.50	mg/L	9056A
Chloride		390		30	mg/L	9056A
Sulfate		45		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.56	J	1.0	mg/L	9060A
Alkalinity		99		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		440		5.0	mg/L	SM 2340C
Total Dissolved Solids		800		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30235-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30235-7	**LF6VM2544QA**					
Ammonia		0.67		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.4		1.0	mg/L	351.2
Chemical Oxygen Demand		7.3	J	20	mg/L	410.4
Nitrate as N		0.045	J	0.50	mg/L	9056A
Chloride		13		3.0	mg/L	9056A
Nitrate Nitrite as N		0.045	J	0.50	mg/L	9056A
Sulfate		50		5.0	mg/L	9056A
Total Organic Carbon - Quad		2.4		1.0	mg/L	9060A
Alkalinity		340		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		380		5.0	mg/L	SM 2340C
Total Dissolved Solids		430		10	mg/L	SM 2540C
280-30235-8	**TMCM0919QA**					
Ammonia		0.71		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.4		1.0	mg/L	351.2
Chemical Oxygen Demand		14	J	20	mg/L	410.4
Bromide		0.15	J	0.50	mg/L	9056A
Nitrate as N		2.0		0.50	mg/L	9056A
Chloride		75		15	mg/L	9056A
Nitrate Nitrite as N		2.0		0.50	mg/L	9056A
Sulfate		70		25	mg/L	9056A
Total Organic Carbon - Quad		3.0		1.0	mg/L	9060A
Alkalinity		470		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		460		5.0	mg/L	SM 2340C
Total Dissolved Solids		670		10	mg/L	SM 2540C
280-30235-9EB	**061912QE**					
Methylene Chloride		1.5	J	5.0	ug/L	8260B/DoD
Ammonia		0.073	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.64	J	1.0	mg/L	351.2
Chemical Oxygen Demand		7.0	J	20	mg/L	410.4
Nitrate as N		0.059	J	0.50	mg/L	9056A
Nitrate Nitrite as N		0.059	J	0.50	mg/L	9056A
Total Organic Carbon - Quad		0.33	J	1.0	mg/L	9060A
280-30235-10FB	**061912QF**					
Methylene Chloride		1.1	J	5.0	ug/L	8260B/DoD
280-30235-11TB	**061912QR**					
Methylene Chloride		0.39	J	5.0	ug/L	8260B/DoD

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30235-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Nitrogen, Total Kjeldahl	TAL DEN	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL DEN		MCAWW 351.2
COD	TAL DEN	MCAWW 410.4	
Anions, Ion Chromatography	TAL DEN	SW846 9056A	
Organic Carbon, Total (TOC)	TAL DEN	SW846 9060A	
Color, Colorimetric	TAL DEN	SM SM 2120B	
Alkalinity	TAL DEN	SM SM 2320B	
Hardness, Total	TAL DEN	SM SM 2340C	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30235-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Meier, Greg P	GPM
MCAWW 350.1	Wolff, Brett Q	BQW
MCAWW 351.2	Woolley, Mark	MW
MCAWW 410.4	Fayard, Maria	MF
SW846 9056A	Phan, Thu L	TLP
SW846 9060A	Bandy, Darlene F	DFB
SM SM 2120B	Ayala, Delaina	DA
SM SM 2320B	Gilbert, Bryan M	BMG
SM SM 2340C	Allen, Andrew J	AJA
SM SM 2540C	Domnick, Brandon J	BJD

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: **775VM1095QA**

Lab Sample ID: 280-30235-3
Client Matrix: Water

Date Sampled: 06/19/2012 1139
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7886.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1050			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1050				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.36	J	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: **775VM1095QA**

Lab Sample ID: 280-30235-3
Client Matrix: Water

Date Sampled: 06/19/2012 1139
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7886.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1050			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1050				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.33	J	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	42		0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	106		85 - 120
1,2-Dichloroethane-d4 (Surr)	90		70 - 120
4-Bromofluorobenzene (Surr)	102		75 - 120
Dibromofluoromethane (Surr)	96		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: LF6VM2449QA

Lab Sample ID: 280-30235-6
Client Matrix: Water

Date Sampled: 06/19/2012 1532
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7887.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1112			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1112				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.49	J	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: **LF6VM2449QA**

Lab Sample ID: 280-30235-6
Client Matrix: Water

Date Sampled: 06/19/2012 1532
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7887.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1112			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1112				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	96		85 - 120
1,2-Dichloroethane-d4 (Surr)	84		70 - 120
4-Bromofluorobenzene (Surr)	93		75 - 120
Dibromofluoromethane (Surr)	89		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: LF6VM2544QA

Lab Sample ID: 280-30235-7
Client Matrix: Water

Date Sampled: 06/19/2012 1144
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7888.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1133			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1133				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: LF6VM2544QA

Lab Sample ID: 280-30235-7
Client Matrix: Water

Date Sampled: 06/19/2012 1144
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7888.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1133			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1133				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	94		85 - 120
1,2-Dichloroethane-d4 (Surr)	82		70 - 120
4-Bromofluorobenzene (Surr)	91		75 - 120
Dibromofluoromethane (Surr)	85		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: **TMCM0919QA**

Lab Sample ID: 280-30235-8
Client Matrix: Water

Date Sampled: 06/19/2012 1248
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7889.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1155			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1155				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: **TMCM0919QA**

Lab Sample ID: 280-30235-8
Client Matrix: Water

Date Sampled: 06/19/2012 1248
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7889.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1155			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1155				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	93		85 - 120
1,2-Dichloroethane-d4 (Surr)	82		70 - 120
4-Bromofluorobenzene (Surr)	89		75 - 120
Dibromofluoromethane (Surr)	85		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: 061912QE

Lab Sample ID: 280-30235-9EB
Client Matrix: Water

Date Sampled: 06/19/2012 1251
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7890.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1216			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1216				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: 061912QE

Lab Sample ID: 280-30235-9EB
Client Matrix: Water

Date Sampled: 06/19/2012 1251
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7890.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1216			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1216				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	1.5	J	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	108		85 - 120
1,2-Dichloroethane-d4 (Surr)	91		70 - 120
4-Bromofluorobenzene (Surr)	106		75 - 120
Dibromofluoromethane (Surr)	98		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: **061912QF**

Lab Sample ID: 280-30235-10FB
Client Matrix: Water

Date Sampled: 06/19/2012 1325
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7891.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1237			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1237				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: 061912QF

Lab Sample ID: 280-30235-10FB
Client Matrix: Water

Date Sampled: 06/19/2012 1325
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7891.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 **1237**			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 **1237**				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	1.1	J	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	97		85 - 120
1,2-Dichloroethane-d4 (Surr)	82		70 - 120
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	87		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: 061912QR

Lab Sample ID: 280-30235-11TB

Client Matrix: Water

Date Sampled: 06/19/2012 0845

Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7892.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1259			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1259				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: 061912QR

Lab Sample ID: 280-30235-11TB

Client Matrix: Water

Date Sampled: 06/19/2012 0845

Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7892.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1259			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1259				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.39	J	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	97		85 - 120
1,2-Dichloroethane-d4 (Surr)	82		70 - 120
4-Bromofluorobenzene (Surr)	91		75 - 120
Dibromofluoromethane (Surr)	86		85 - 115

General Chemistry

Client Sample ID: LF6M0168QA

Lab Sample ID: 280-30235-1
Client Matrix: Water

Date Sampled: 06/19/2012 1523
Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.065	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1637						
Nitrogen, Kjeldahl	1.0	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2205						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	11	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.34	J	mg/L	0.23	1.0	2.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1305						
Nitrate as N	1.9		mg/L	0.084	1.0	2.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1305						
Chloride	1300		mg/L	13	150	50	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1932						
Nitrite as N	0.20	U	mg/L	0.098	1.0	2.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1305						
Fluoride	0.20	U	mg/L	0.12	2.0	2.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1305						
Nitrate Nitrite as N	1.9		mg/L	0.084	1.0	2.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1305						
Orthophosphate as P	0.40	U	mg/L	0.37	1.0	2.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1305						
Sulfate	56		mg/L	0.46	10	2.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1305						
Total Organic Carbon - Quad	1.4		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 1853						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	230		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1144						
Hardness as calcium carbonate	410	J	mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	2400		mg/L	19	40	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

LMK 9/18/12

General Chemistry

Client Sample ID: LF6M0168QC

Lab Sample ID: 280-30235-2FD
Client Matrix: Water

Date Sampled: 06/19/2012 1523
Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.13	JB	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1641						
Nitrogen, Kjeldahl	1.0	B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2216						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	16	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.35	J	mg/L	0.23	1.0	2.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1413						
Nitrate as N	2.0		mg/L	0.084	1.0	2.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1413						
Chloride	1300		mg/L	13	150	50	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 2039						
Nitrite as N	0.20	U	mg/L	0.098	1.0	2.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1413						
Fluoride	0.20	U	mg/L	0.12	2.0	2.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1413						
Nitrate Nitrite as N	2.0		mg/L	0.084	1.0	2.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1413						
Orthophosphate as P	0.45	J	mg/L	0.37	1.0	2.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1413						
Sulfate	56		mg/L	0.46	10	2.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1413						
Total Organic Carbon - Quad	1.4		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 1946						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	230		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1149						
Hardness as calcium carbonate	400		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	2400		mg/L	19	40	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

CWA 9/18/12

General Chemistry

Client Sample ID: 775VM1095QA

Lab Sample ID: 280-30235-3
Client Matrix: Water

Date Sampled: 06/19/2012 1139
Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.062	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1643						
Nitrogen, Kjeldahl	0.67	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2218						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1429						
Nitrate as N	1.5		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1429						
Chloride	150		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 2056						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1429						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1429						
Nitrate Nitrite as N	1.5		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1429						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1429						
Sulfate	22		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1429						
Total Organic Carbon - Quad	0.81	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2005						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	160		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1153						
Hardness as calcium carbonate	190		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	430		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

cwt 9/8/12

Client: FPM Remediations Inc

Job Number: 280-30235-1

General Chemistry

Client Sample ID: 775VM18R90QA

Lab Sample ID: 280-30235-4
Client Matrix: Water

Date Sampled: 06/19/2012 1049
Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.81		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1644						
Nitrogen, Kjeldahl	0.61	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2219						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	8.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.14	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1446						
Nitrate as N	3.4		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1446						
Chloride	460		mg/L	2.5	30	10	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 2113						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1446						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1446						
Nitrate Nitrite as N	3.4		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1446						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1446						
Sulfate	42		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1446						
Total Organic Carbon - Quad	0.81	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2020						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	190		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1159						
Hardness as calcium carbonate	310		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	1000		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

CLA 9/8/12

General Chemistry

Client Sample ID: 775VM20R110QA

Lab Sample ID: 280-30235-5
Client Matrix: Water

Date Sampled: 06/19/2012 1407
Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.075	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1646						
Nitrogen, Kjeldahl	1.0	B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2220						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1537						
Nitrate as N	0.048	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1537						
Chloride	57		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 2129						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1537						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1537						
Nitrate Nitrite as N	0.048	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1537						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1537						
Sulfate	39		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1537						
Total Organic Carbon - Quad	0.62	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2036						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	180		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1204						
Hardness as calcium carbonate	200		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	300		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

CWT 9/8/12

General Chemistry

Client Sample ID: LF6VM2449QA

Lab Sample ID: 280-30235-6
Client Matrix: Water

Date Sampled: 06/19/2012 1532
Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.12	B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1647						
Nitrogen, Kjeldahl	0.90	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2221						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	4.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.63		mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1553						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1553						
Chloride	390		mg/L	2.5	30	10	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 2146						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1553						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1553						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1553						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1553						
Sulfate	45		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1553						
Total Organic Carbon - Quad	0.56	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2051						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	99		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1208						
Hardness as calcium carbonate	440		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	800		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

Cut 9/8/12

General Chemistry

Client Sample ID: **LF6VM2544QA**

Lab Sample ID: 280-30235-7
Client Matrix: Water

Date Sampled: 06/19/2012 1144
Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.67		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1649						
Nitrogen, Kjeldahl	1.4	B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2223						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	7.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1610						
Nitrate as N	0.045	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1610						
Chloride	13		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1610						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1610						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1610						
Nitrate Nitrite as N	0.045	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1610						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1610						
Sulfate	50		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1610						
Total Organic Carbon - Quad	2.4		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2106						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	340		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1213						
Hardness as calcium carbonate	380		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	430		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

CMT 9/8/12

Client: FPM Remediations Inc

Job Number: 280-30235-1

General Chemistry

Client Sample ID: **TMCM0919QA**

Lab Sample ID: 280-30235-8
Client Matrix: Water

Date Sampled: 06/19/2012 1248
Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.71		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1650						
Nitrogen, Kjeldahl	1.4	B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2224						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	14	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.15	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1627						
Nitrate as N	2.0		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1627						
Chloride	75		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 2203						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1627						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1627						
Nitrate Nitrite as N	2.0		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1627						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1627						
Sulfate	70		mg/L	1.2	25	5.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 2203						
Total Organic Carbon - Quad	3.0		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2201						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	470		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1218						
Hardness as calcium carbonate	460		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	670		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

Cust 9/8/12

General Chemistry

Client Sample ID: 061912QE

Lab Sample ID: 280-30235-9EB
Client Matrix: Water

Date Sampled: 06/19/2012 1251
Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.073	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1702						
Nitrogen, Kjeldahl	0.64	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2225						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	7.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1644						
Nitrate as N	0.059	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1644						
Chloride	0.50	U	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1644						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1644						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1644						
Nitrate Nitrite as N	0.059	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1644						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1644						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1644						
Total Organic Carbon - Quad	0.33	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2218						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	2.0	U	mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1222						
Hardness as calcium carbonate	1.5	U	mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	10	U	mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

FPM Remediations, Inc.
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site Griffiss AFB Landfill 6
Water Sampling
Contract No. FA8903-10-D-8595, Delivery Order No. 0014

FPM Project No. 1015-11-01

TestAmerica Job #280-30661-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	10
Analytical Protocol:	DOD QSM, version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	July 2, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
775VM1095QA	7/2/12		
LF6VM10R230QA	7/2/12	070512QE	7/2/12
LF6VM1850QA	7/2/12		
LF6VM1926QA	7/2/12		
LF6VM2068QA	7/2/12		
LF6VM2175QA	7/2/12		
LF6VM24499QA	7/2/12		
LF6VM2544QA	7/2/12		
TMCM0919QA	7/2/12		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.

QA – Primary environmental samples

QE – Equipment Blank

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical methods employed included: Biochemical Oxygen Demand (BOD) by Method SM 5210B.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits (DLs) and limits of quantitation (LOQs)
- Holding times, sample preservation and storage
- Second source calibration verification summary
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control samples (LCS)
- Results reported between DL and LOQ (J-flag)
- MS tune performance
- Ambient, equipment, and trip blanks (as applicable)
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between the DL and LOQ), the laboratory and/or data verifier qualified the subject results with a "J" flag. Since no qualification of associated field samples are required for blanks less than half the LOQ, no further action was taken in such instances.

WET CHEMISTRY ANALYTES

- There were no QA/QC exceedances for the BOD analyses.

DATA USABILITY RESULTS

WET CHEMISTRY ANALYTES

Based on the evaluation of all information in the analytical data groups, the results of the samples for wet chemistry analytes are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # 280-30661-1 are valid and usable with qualifications as noted in the data review.

Signed: Concordia Van Hoesel Date: 9/8/12

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 230-30661-1

Job Description: Griffiss AFB LF6 LTM

For:
FPM Remediations Inc
534 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Julie L Dreesen
Project Mgmt. Assistant
7/17/2012 2:51 PM

Designee for
Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/17/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB LF6 LTM
Report Number: 280-30661-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Ten samples were received on 07/03/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.3°C.

The sample collection date and sample collection time for samples 280-30661-2 through 280-30661-7 were logged per the chain-of-custody, as this information was not present on the associated sample container labels. The client was notified on July 3, 2012.

A sample ID discrepancy was noted between the information listed on the chain-of-custody and the container label for TA Denver samples 280-30661-7. The chain-of-custody lists the sample ID as LF6VM24499QA, while the container labels list the sample ID as LF6VM2449QA. The Sample Technician was able to determine the identity of the sample by comparing the sample collection time on the COC with the sample collection time on the sample container label. The sample ID was logged per the chain-of-custody. The client was notified on July 3, 2012.

BIOCHEMICAL OXYGEN DEMAND

Samples 775VM1095QA (280-30661-1), LF6VM10R230QA (280-30661-2), LF6VM1850QA (280-30661-3), LF6VM1926QA (280-30661-4), LF6VM2068QA (280-30661-5), LF6VM2175QA (280-30661-6), LF6VM24499QA (280-30661-7), LF6VM2544QA (280-30661-8), TMCM0919QA (280-30661-9) and 070212QE (280-30661-10) were analyzed for Biochemical Oxygen Demand in accordance with SM20 5210B. The samples were analyzed on 07/03/2012.

No difficulties were encountered during the BOD analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30661-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30661-1	775VM1095QA	Water	07/02/2012 1430	07/03/2012 0900
280-30661-2	LF6VM10R230QA	Water	07/02/2012 1551	07/03/2012 0900
280-30661-3	LF6VM1850QA	Water	07/02/2012 1359	07/03/2012 0900
280-30661-4	LF6VM1926QA	Water	07/02/2012 1323	07/03/2012 0900
280-30661-5	LF6VM2068QA	Water	07/02/2012 1253	07/03/2012 0900
280-30661-6	LF6VM2175QA	Water	07/02/2012 1055	07/03/2012 0900
280-30661-7	LF6VM24499QA	Water	07/02/2012 1511	07/03/2012 0900
280-30661-8	LF6VM2544QA	Water	07/02/2012 1130	07/03/2012 0900
280-30661-9	TMCM0919QA	Water	07/02/2012 1214	07/03/2012 0900
280-30661-10EB	070212QE	Water	07/02/2012 1625	07/03/2012 0900

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30661-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30661-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
BOD, 5 Day	TAL DEN	SM SM5210B	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30661-1

Method	Analyst	Analyst ID
SM SM5210B	Kilker, Lorelei M	LMK

General Chemistry

Client Sample ID: **775VM1095QA**

Lab Sample ID: 280-30661-1
Client Matrix: Water

Date Sampled: 07/02/2012 1430
Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B

Analysis Batch: 280-126522 Analysis Date: 07/03/2012 1320

General Chemistry

Client Sample ID: **LF6VM10R230QA**

Lab Sample ID: 280-30661-2
Client Matrix: Water

Date Sampled: 07/02/2012 1551
Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B

Analysis Batch: **280-126522** Analysis Date: 07/03/2012 1325

General Chemistry

Client Sample ID: LF6VM1850QA

Lab Sample ID: 280-30661-3
Client Matrix: Water

Date Sampled: 07/02/2012 1359
Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B

Analysis Batch: 280-126522 Analysis Date: 07/03/2012 1326

General Chemistry

Client Sample ID: **LF6VM1926QA**

Lab Sample ID: 280-30661-4
Client Matrix: Water

Date Sampled: 07/02/2012 1323
Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B

Analysis Batch: 280-126522 Analysis Date: 07/03/2012 1327

General Chemistry

Client Sample ID: **LF6VM2068QA**

Lab Sample ID: 280-30661-5
Client Matrix: Water

Date Sampled: 07/02/2012 1253
Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126522	Analysis Date: 07/03/2012 1330						

Client: FPM Remediations Inc

Job Number: 280-30661-1

General Chemistry

Client Sample ID: **LF6VM2175QA**

Lab Sample ID: 280-30661-6
Client Matrix: Water

Date Sampled: 07/02/2012 1055
Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B

Analysis Batch: 280-126522 Analysis Date: 07/03/2012 1350

General Chemistry

Client Sample ID: **LF6VM24499QA**

Lab Sample ID: 280-30661-7
Client Matrix: Water

Date Sampled: 07/02/2012 1511
Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B

Analysis Batch: 280-126522 Analysis Date: 07/03/2012 1340

General Chemistry

Client Sample ID: **LF6VM2544QA**

Lab Sample ID: 280-30661-8
Client Matrix: Water

Date Sampled: 07/02/2012 1130
Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B

Analysis Batch: 280-126522 Analysis Date: 07/03/2012 1355

General Chemistry

Client Sample ID: **TMCM0919QA**

Lab Sample ID: 280-30661-9
Client Matrix: Water

Date Sampled: 07/02/2012 1214
Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B

Analysis Batch: 280-126522 Analysis Date: 07/03/2012 1356

General Chemistry

Client Sample ID: **070212QE**

Lab Sample ID: 280-30661-10EB
Client Matrix: Water

Date Sampled: 07/02/2012 1625
Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B

Analysis Batch: 280-126522 Analysis Date: 07/03/2012 1400

Client: FPM Remediations Inc

Job Number: 280-30661-1

Method Blank - Batch: 280-126522

Method: SM5210B
Preparation: N/A

Lab Sample ID:	MB 280-126522/6	Analysis Batch:	280-126522	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/03/2012 1201	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Biochemical Oxygen Demand	0.60	U	0.24	2.0

Lab Control Sample - Batch: 280-126522

Method: SM5210B
Preparation: N/A

Lab Sample ID:	LCS 280-126522/4	Analysis Batch:	280-126522	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/03/2012 1201	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Biochemical Oxygen Demand	198	213	107	85 - 115	

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc

Job Number: 280-30661-1

Lab Section	Qualifier	Description
General Chemistry		
	U	Undetected at the Limit of Detection.

FPM Remediations, Inc.
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site Griffiss AFB Landfill 6
Water Sampling
Contract No. FA8903-10-D-8595, Delivery Order No. 0014

FPM Project No. 1015-11-01

TestAmerica Job #280-30282-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	11
Analytical Protocol:	DOD QSM, version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	June 20, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
LF6M1246QA	6/20/12		
LF6VM17D48QA	6/20/12	062012QE, 062012QF, 062012QR	6/20/12
LF6VM17S15QA	6/20/12		
LF6VM2348QA	6/20/12		
LF6VM2650QA	6/20/12	LF6VM2650QC	6/20/12
TMCUM0227QA	6/20/12		
LF6SW0301QA	6/20/12		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.

QA – Primary environmental samples

QC – Field duplicate samples

QE – Equipment Blank

QF – Ambient Blank

QR – Trip Blank

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical methods employed included SW-846: Volatile Organic Compounds (VOCs) by Method SW8260, Total Organic Carbon (TOC) by Method SW 9060A, Total Dissolved Solids by Method SM 2540C, Total Alkalinity by Method SM 2320B, Anions by Method SW9056, Ammonia by Method 350.1, Total Kjeldahl Nitrogen by Method 351.2, Color by Method SM 2120B, Hardness (as calcium carbonate) by Method SM 2340C, Chemical Oxygen Demand (COD) by Method 410.4, and Biochemical Oxygen Demand (BOD) by Method SM 5210B.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits (DLs) and limits of quantitation (LOQs)
- Holding times, sample preservation and storage
- Second source calibration verification summary
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control samples (LCS)
- Results reported between DL and LOQ (J-flag)
- MS tune performance
- Ambient, equipment, and trip blanks (as applicable)
- Surrogate spike recoveries
- Internal standard areas counts and retention times

- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

No 40 mL HCL-preserved VOA vials were received for sample LF6VM2348QA, so the analysis could not be performed.

SAMPLE LABELING

It was noted that there was a discrepancy between the sample label on the container and the sample ID listed on the COC for sample 062012QR. The laboratory logged the sample in per the COC, and notified FPM.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between the DL and LOQ), the laboratory and/or data verifier qualified the subject results with a "J" flag. Since no qualification of associated field samples are required for blanks less than half the LOQ, no further action was taken in such instances.

MS/MSD

For several analytes, the lab performed matrix spike/matrix spike duplicate sample (MS/MSD) analyses for various field samples. However, these samples were not requested by the client in the chain-of-custody; therefore, no action was taken for the MS/MSD sample criterion.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- According to the case narrative, sample LF6VM2650QA required a 1:4 dilution after original results were above the calibration curve for cis-1,2-DCE only. Use diluted sample results for this compound only. Original sample results are modified accordingly.

- One of the two 40 mL vials for the sample 062012QR contained headspace greater than 6 mm, according to the case narrative. Sufficient volume remained to proceed with the requested analysis.
  Corrective Action: Using professional judgment, no qualification is considered necessary.

- Laboratory performance on individual samples is established by means of spiking all samples prior to analysis with surrogate compounds and assessing the percent recoveries. The following table summarizes QC exceedances for surrogate recoveries. The sample ID, percent recovery, and QC limits are listed.

Sample ID	Surrogate	%Rec	QC Limits (%)	Flag Applied	Rationale
LF6VM2650QA	Toluene-d8	***192***	85-120	None	%Rec > UCL; associated results less than the LOQ
	1,2-Dichloroethane-d4	***149***	70-120	None	%Rec > UCL; associated results less than the LOQ
	4-Bromofluorobenzene	***178***	75-120	None	%Rec > UCL; associated results less than the LOQ
	Dibromofluoromethane	***168***	85-115	None	%Rec > UCL; associated results less than the LOQ

For VOCs, if the recoveries for one or more surrogates are outside control limits, corrective action shall be implemented: the sample shall be reextracted and reanalyzed. If the corrective action is ineffective in resolving the exceedance, then all analytes associated with the surrogate fraction in that sample are qualified. For samples with surrogate recoveries greater than the upper control limit, positive sample results are considered estimated (flagged "J"). For samples with surrogate recoveries greater than 10% but less than the lower control limit, positive results are considered estimated (flagged "J") and non-detect results are considered estimated (flagged "UJ"). For samples with surrogate recoveries less than 10%, the results are rejected for the analytes. However, using professional judgment, no corrective action and/or flagging is required for minimal exceedances (i.e., within 1% of the control limits).

Corrective Action: According to the case narrative, sample LF6VM2650QA was not re-extracted since the recovery was above the upper control limit and all associated results were less than the LOQ. Using professional judgment, no flagging was deemed necessary since the exceedance indicates a positive bias and all results were less than the LOQ.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The UFP QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above 5x the LOQ and the relative percent differences (RPDs) between the duplicate sample results exceed RPD control limits (20% for aqueous samples). If either the parent or the duplicate sample is less than 5x the LOQ, then the difference between the parent and duplicate sample must be less than 2x the LOQ. "J" flags for detects and "UJ" flags for non-detects are required per the QAPP for any exceedances.

  The following table summarizes the RPDs of field duplicate sample set LF6VM2650QA/QC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/L)	Field Dup Result (µg/L)	LOQ (µg/L)	RPD or ±difference	Flag Applied	Rationale
LF6VM2650QA	LF6VM2650QC	cis-1,2-DCE	100	89	4.0	11.6	None	RPD < 20%

  Corrective Action: No "J" qualifiers were applied since all RPDs and differences were within control limits.

- The following blank sample analyses indicated blank contaminants present at concentrations equal to or greater than half the limit of quantitation (LOQ). The Blank ID, detected contaminant, and concentration are listed.

Blank ID	Analyte	Concentration (mg/L)	LOQ (mg/L)	Samples Affected
062012QE	Acetone	8.0 J	10	None, all associated results non-detect

  The purpose of laboratory, equipment or trip blank analysis is to determine the existence and magnitude of contamination resulting from lab or field activities. If contamination is found in blanks the associated sample results for these analytes may be considered suspect. As per the QAPP, based on the blank contaminants present above half the LOQ, results for the specific analytes in the associated environmental samples are qualified with a "B" flag. However, in accordance with the EPA National Functional Guidelines and consistent with the QAPP, the "B" flag is **not** applied for sample results that are greater than five times (5x) the blank concentration. Thus the "B" flag is only applied to those samples for which the sample result is positive and less than five times (5x) the blank concentration.
  Corrective Action: No "B" flags were applied to the acetone results for any field samples, since the associated results were less than 5x the blank concentration.

WET CHEMISTRY ANALYTES

- According to the case narrative, the following analytes were analyzed at initial dilutions:

Analyte	Sample	Dilution
Chloride	LF6M1246QA,	1:5

Analyte	Sample	Dilution
	LF6VM2650QA, LF6VM2650QC, LF6SW0301QA	
BOD	LF6M1246QA	1:10

The dilution results only are reported and are used in data verification as representing original results.

- The following blank sample analyses indicated blank contaminants present at concentrations equal to or greater than half the limit of quantitation (LOQ). The Blank ID, detected contaminant, and concentration are listed.

Blank ID	Analyte	Concentration (mg/L)	LOQ (mg/L)	Samples Affected
062012QE	Ammonia	0.071 J	0.10	LF6M1246QA, LF6VM17D48QA, LF6VM17S15QA, LF6VM2348QA, LF6VM2650QA, TMCUM0227QA, LF6SW0301QA
	TKN	0.66 J	1.0	LF6M1246QA, LF6VM17D48QA, LF6VM17S15QA, LF6VM2348QA, LF6VM2650QA, LF6VM2650QC, TMCUM0227QA, LF6SW0301QA

The purpose of laboratory, equipment or trip blank analysis is to determine the existence and magnitude of contamination resulting from lab or field activities. If contamination is found in blanks the associated sample results for these analytes may be considered suspect. As per the QAPP, based on the blank contaminants present above half the LOQ, results for the specific analytes in the associated environmental samples are qualified with a "B" flag. However, in accordance with the EPA National Functional Guidelines and consistent with the QAPP, the "B" flag is **not** applied for sample results that are greater than five times (5x) the blank concentration. Thus the "B" flag is only applied to those samples for which the sample result is positive and less than five times (5x) the blank concentration.
Corrective Action: "B" flags were applied to the ammonia and TKN results for the field samples listed, since the associated results were less than 5x the blank concentration.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The UFP QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above 5x the LOQ and the relative percent differences (RPDs) between the duplicate sample results exceed RPD control limits (20% for aqueous samples). If either the parent or the duplicate sample is less than 5x the LOQ, then the difference between the parent and duplicate sample

must be less than 2x the LOQ. "J" flags for detects and "UJ" flags for non-detects are required per the QAPP for any exceedances.

The following table summarizes the RPDs of field duplicate sample set LF6VM2650QA/QC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (mg/L)	Field Dup Result (mg/L)	LOQ (mg/L)	RPD or ±difference	Flag Applied	Rationale
LF6VM2650QA	LF6VM2650QC	Ammonia	0.12 B	0.48	0.10	0.36	J	Difference > 2xLOQ
LF6VM2650QA	LF6VM2650QC	TKN	0.67 BJ	0.66 BJ	1.0	0.01	None	Difference < 2xLOQ
LF6VM2650QA	LF6VM2650QC	Bromide	0.17 J	0.18 J	0.50	0.01	None	Difference < 2xLOQ
LF6VM2650QA	LF6VM2650QC	Nitrate	0.10 U	0.042 J	0.50	0.058	None	Difference < 2xLOQ
LF6VM2650QA	LF6VM2650QC	Chloride	180	180	15	0	None	RPD < 20%
LF6VM2650QA	LF6VM2650QC	Nitrate-nitrite	0.10 U	0.042 J	0.50	0.058	None	Difference < 2xLOQ
LF6VM2650QA	LF6VM2650QC	Sulfate	47	47	5.0	0	None	RPD < 20%
LF6VM2650QA	LF6VM2650QC	TOC	0.72 J	0.73 J	1.0	0.01	None	Difference < 2xLOQ
LF6VM2650QA	LF6VM2650QC	Color	5.0 U PCU	10 PCU	5.0	5.0	None	Difference < 2xLOQ
LF6VM2650QA	LF6VM2650QC	Alkalinity	230	230	5.0	0	None	RPD < 20%
LF6VM2650QA	LF6VM2650QC	Hardness	410	410	5.0	0	None	RPD > 20%
LF6VM2650QA	LF6VM2650QC	TDS	510	510	10	0	None	RPD < 20%

Corrective Action: "J" qualifiers were applied to the ammonia results for samples LF6VM2650QA/QC, since the difference exceeded twice the LOQ. All other RPDs and differences were within control limits.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

WET CHEMISTRY ANALYTES

Based on the evaluation of all information in the analytical data groups, the results of the samples for wet chemistry analytes are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # 280-30282-1 are valid and usable with qualifications as noted in the data review.

Signed: Concordia Van Hoesel Date: 9/8/12

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30282-1

Job Description: Griffiss AFB LF6 LTM

For:
FPM Remediations Inc
534 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Julie L Dreesen
Project Mgmt. Assistant
7/19/2012 11:58 AM

Designee for
Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/19/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB LF6 LTM
Report Number: 280-30282-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
Eleven samples were received on 06/21/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 4.7°C, 4.3°C, and 3.1°C.

The 40mL HCl preserved VOA vials for sample LF6VM2348QA (280-30282-4) requesting 8260B analysis, were not received at the laboratory; therefore the requested 8260B analysis could not be performed. The client was notified on June 21, 2012.

One of the two 40mL VOA vials received for sample 062012QR (280-30282-11) was received at the laboratory with a bubble >6mm in diameter. Sufficient volume remained to proceed with the requested analysis. The client was notified on June 21, 2012.

Sample ID, date, and time discrepancies were noted between the information listed on the chain-of-custody and the container label for TA Denver sample 280-30282-9. The chain-of-custody lists the sample ID as 062012QE, with a collection date of 06/20/2012, and, a collection time of 16:15, while the container labels list the sample ID as 061912QE, with a collection date of 06/19/2012, and a collection time of 1600. The sample ID, collection date, and collection time were logged per the chain-of-custody. The client was notified on June 21, 2012.

The sample collection dates and sample collection times were logged per the chain-of-custody for samples LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), and TMCUM0227QA (280-30282-7), as this information was not present on the sample container labels. The client was notified on June 21, 2012.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples LF6M1246QA (280-30282-1), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), LF6SW0301QA (280-30282-8), 062012QE (280-30282-9), 062012QF (280-30282-10) and 062012QR (280-30282-11) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/02/2012 and 07/03/2012.

Samples LF6M1246QA (280-30282-1 and LF6VM2650QC (280-30282-6) required dilutions prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

The 1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Dibromofluoromethane, and Toluene-d8 surrogate recoveries for the following sample was outside control limits: LF6VM2650QA (280-30282-5). All analytes associated to this surrogate were non-detect, with the exception of trans-1,2-Dichloroethene which was less than one half the reporting limit; therefore, re-extraction and/or reanalysis were not performed.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

COLOR
Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for color in accordance with SM20 2120B - Colorimetric. The samples were analyzed on 06/21/2012.

No difficulties were encountered during the color analyses.

All quality control parameters were within the acceptance limits.

ALKALINITY
Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 06/26/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

HARDNESS

Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for hardness in accordance with SM20 2340C. The samples were analyzed on 07/17/2012.

No difficulties were encountered during the hardness analyses.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS

Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 06/27/2012.

Constant weight was not achieved after 3 drying cycles for the following TDS samples of batch 280-125747: LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), and LF6SW0301QA (280-30282-8).

No other difficulties were encountered during the TDS analyses.

All other quality control parameters were within the acceptance limits.

AMMONIA

Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 07/05/2012.

The matrix spike duplicate (MSD) recovery for batch 280-126731, performed on sample LF6M1246QA (280-30282-1), was outside control limits for Ammonia. The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

TOTAL KJELDAHL NITROGEN

Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 07/11/2012 and analyzed on 07/13/2012.

Nitrogen, Kjeldahl was detected in method blank MB 280-127379/3-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 280-127379, performed on sample LF6M1246QA (280-30282-1), were outside control limits for Nitrogen, Kjeldahl. The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the TKN analyses.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND

Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for chemical oxygen demand in accordance with EPA Method 410.4. The samples were analyzed on 06/26/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

ANIONS (28 DAYS)
Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for anions (28 days) in accordance with EPA SW-846 Method 9056. The samples were analyzed on 06/21/2012.

Samples LF6M1246QA (280-30282-1), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), and LF6SW0301QA (280-30282-8) required dilutions prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

No other difficulties were encountered during the anions analyses.

All other quality control parameters were within the acceptance limits.

ANIONS (48 HOURS)
Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for anions (48 hours) in accordance with EPA SW-846 Method 9056A. The samples were analyzed on 06/21/2012.

The matrix spike duplicate (MSD) recoveries for prep batch 280-125249, performed on sample LF6VM17S15QA (280-30282-3), were outside control limits for Orthophosphate. The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the anions analyses.

All other quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON
Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 07/13/2012 and 07/14/2012.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

BIOCHEMICAL OXYGEN DEMAND
Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for Biochemical Oxygen Demand in accordance with SM20 5210B. The samples were analyzed on 06/21/2012.

Sample LF6M1246QA (280-30282-1) required dilution prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

No other difficulties were encountered during the BOD analyses.

All other quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: MSV_R2 Analysis Batch Number: 124226

Lab Sample ID: IC 280-124226/5 Client Sample ID:

Date Analyzed: 06/15/12 08:22 Lab File ID: RR6390.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.66	Analyte not Identified by the Data System	dobransky m	06/15/12 11:00

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: MSV_R2 Analysis Batch Number: 124226

Lab Sample ID: IC 280-124226/5 Client Sample ID:

Date Analyzed: 06/15/12 08:32 Lab File ID: RR6390.D GC Column: DB-624 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.66	Analyte not identified by the Data System	dobrzansky m	06/15/12 11:00

WR 7/9/12

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30282-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30282-1	LF6M1246QA	Water	06/20/2012 1130	06/21/2012 0900
280-30282-2	LF6VM17D48QA	Water	06/20/2012 1405	06/21/2012 0900
280-30282-3	LF6VM17S15QA	Water	06/20/2012 1557	06/21/2012 0900
280-30282-4	LF6VM2348QA	Water	06/20/2012 1457	06/21/2012 0900
280-30282-5	LF6VM2650QA	Water	06/20/2012 1436	06/21/2012 0900
280-30282-6FD	LF6VM2650QC	Water	06/20/2012 1436	06/21/2012 0900
280-30282-7	TMCUM0227QA	Water	06/20/2012 1115	06/21/2012 0900
280-30282-8	LF6SW0301QA	Water	06/20/2012 1546	06/21/2012 0900
280-30282-9EB	062012QE	Water	06/20/2012 1615	06/21/2012 0900
280-30282-10FB	062012QF	Water	06/20/2012 1601	06/21/2012 0900
280-30282-11TB	062012QR	Water	06/20/2012 0915	06/21/2012 0900

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30282-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30282-1	**LF6M1246QA**					
1,1-Dichloroethene		0.59	J	1.0	ug/L	8260B/DoD
cis-1,2-Dichloroethene		380		10	ug/L	8260B/DoD
trans-1,2-Dichloroethene		7.9		1.0	ug/L	8260B/DoD
Trichloroethene		300		10	ug/L	8260B/DoD
Vinyl chloride		4.1		1.5	ug/L	8260B/DoD
Ammonia		0.084	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.83	J	1.0	mg/L	351.2
Chemical Oxygen Demand		15	J	20	mg/L	410.4
Bromide		0.12	J	0.50	mg/L	9056A
Chloride		67		15	mg/L	9056A
Fluoride		0.68	J	1.0	mg/L	9056A
Sulfate		47		5.0	mg/L	9056A
Total Organic Carbon - Quad		3.1		1.0	mg/L	9060A
Alkalinity		400		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		460		5.0	mg/L	SM 2340C
Total Dissolved Solids		580		10	mg/L	SM 2540C
Biochemical Oxygen Demand		59	D	50	mg/L	SM5210B
280-30282-2	**LF6VM17D48QA**					
Ammonia		0.090	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.64	J	1.0	mg/L	351.2
Nitrate as N		0.28	J	0.50	mg/L	9056A
Chloride		1.3	J	3.0	mg/L	9056A
Nitrate Nitrite as N		0.28	J	0.50	mg/L	9056A
Sulfate		11		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.50	J	1.0	mg/L	9060A
Alkalinity		86		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		93		5.0	mg/L	SM 2340C
Total Dissolved Solids		98		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30282-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30282-3	**LF6VM17S15QA**					
Ammonia		0.076	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.85	J	1.0	mg/L	351.2
Chemical Oxygen Demand		25		20	mg/L	410.4
Nitrate as N		2.2		0.50	mg/L	9056A
Chloride		0.54	J	3.0	mg/L	9056A
Fluoride		0.20	J	1.0	mg/L	9056A
Nitrate Nitrite as N		2.2		0.50	mg/L	9056A
Sulfate		13		5.0	mg/L	9056A
Total Organic Carbon - Quad		4.3		1.0	mg/L	9060A
Alkalinity		3.8	J	5.0	mg/L	SM 2320B
Hardness as calcium carbonate		74		5.0	mg/L	SM 2340C
Total Dissolved Solids		34		10	mg/L	SM 2540C
280-30282-4	**LF6VM2348QA**					
Ammonia		0.092	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.56	J	1.0	mg/L	351.2
Nitrate as N		5.7		0.50	mg/L	9056A
Chloride		1.6	J	3.0	mg/L	9056A
Fluoride		0.093	J	1.0	mg/L	9056A
Nitrate Nitrite as N		5.7		0.50	mg/L	9056A
Sulfate		18		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.97	J	1.0	mg/L	9060A
Alkalinity		290		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		310		5.0	mg/L	SM 2340C
Total Dissolved Solids		320		10	mg/L	SM 2540C
280-30282-5	**LF6VM2650QA**					
cis-1,2-Dichloroethene		100		4.0	ug/L	8260B/DoD
trans-1,2-Dichloroethene		0.25	J	1.0	ug/L	8260B/DoD
Ammonia		0.12		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.67	J	1.0	mg/L	351.2
Bromide		0.17	J	0.50	mg/L	9056A
Chloride		180		15	mg/L	9056A
Sulfate		47		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.72	J	1.0	mg/L	9060A
Alkalinity		230		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		410		5.0	mg/L	SM 2340C
Total Dissolved Solids		510		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30282-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30282-6FD	**LF6VM2650QC**					
cis-1,2-Dichloroethene		89		4.0	ug/L	8260B/DoD
Ammonia		0.48		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.66	J	1.0	mg/L	351.2
Bromide		0.18	J	0.50	mg/L	9056A
Nitrate as N		0.042	J	0.50	mg/L	9056A
Chloride		180		15	mg/L	9056A
Nitrate Nitrite as N		0.042	J	0.50	mg/L	9056A
Sulfate		47		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.73	J	1.0	mg/L	9060A
Color		10		5.0	PCU	SM 2120B
Alkalinity		230		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		410		5.0	mg/L	SM 2340C
Total Dissolved Solids		510		10	mg/L	SM 2540C
280-30282-7	**TMCUM0227QA**					
Ammonia		0.096	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.65	J	1.0	mg/L	351.2
Nitrate as N		0.37	J	0.50	mg/L	9056A
Chloride		28		3.0	mg/L	9056A
Nitrate Nitrite as N		0.37	J	0.50	mg/L	9056A
Sulfate		27		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.70	J	1.0	mg/L	9060A
Alkalinity		130		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		170		5.0	mg/L	SM 2340C
Total Dissolved Solids		210		10	mg/L	SM 2540C
280-30282-8	**LF6SW0301QA**					
Ammonia		0.28		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.78	J	1.0	mg/L	351.2
Chemical Oxygen Demand		10	J	20	mg/L	410.4
Bromide		0.26	J	0.50	mg/L	9056A
Nitrate as N		0.19	J	0.50	mg/L	9056A
Chloride		170		15	mg/L	9056A
Nitrate Nitrite as N		0.19	J	0.50	mg/L	9056A
Sulfate		39		5.0	mg/L	9056A
Total Organic Carbon - Quad		2.3		1.0	mg/L	9060A
Color		15		5.0	PCU	SM 2120B
Alkalinity		230		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		300		5.0	mg/L	SM 2340C
Total Dissolved Solids		520		10	mg/L	SM 2540C
Biochemical Oxygen Demand		1.6	J	2.0	mg/L	SM5210B

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30282-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30282-9EB	**062012QE**					
Acetone		8.0	J	10	ug/L	8260B/DoD
Ammonia		0.071	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.66	J	1.0	mg/L	351.2
Nitrate as N		0.052	J	0.50	mg/L	9056A
Nitrate Nitrite as N		0.052	J	0.50	mg/L	9056A
Total Organic Carbon - Quad		0.24	J	1.0	mg/L	9060A
280-30282-10FB	**062012QF**					
Methylene Chloride		1.5	J	5.0	ug/L	8260B/DoD

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30282-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Nitrogen, Total Kjeldahl	TAL DEN	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL DEN		MCAWW 351.2
COD	TAL DEN	MCAWW 410.4	
Anions, Ion Chromatography	TAL DEN	SW846 9056A	
Organic Carbon, Total (TOC)	TAL DEN	SW846 9060A	
Color, Colorimetric	TAL DEN	SM SM 2120B	
Alkalinity	TAL DEN	SM SM 2320B	
Hardness, Total	TAL DEN	SM SM 2340C	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	
BOD, 5 Day	TAL DEN	SM SM5210B	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Dobransky, Michael E	MD
MCAWW 350.1	Wolff, Brett Q	BQW
MCAWW 351.2	Woolley, Mark	MW
MCAWW 410.4	Fayard, Maria	MF
SW846 9056A	Phan, Thu L	TLP
SW846 9060A	Bandy, Darlene F	DFB
SM SM 2120B	Ayala, Delaina	DA
SM SM 2320B	Gilbert, Bryan M	BMG
SM SM 2340C	Allen, Andrew J	AJA
SM SM 2540C	Domnick, Brandon J	BJD
SM SM5210B	Ayala, Delaina	DA

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: LF6M1246QA

Lab Sample ID: 280-30282-1
Client Matrix: Water

Date Sampled: 06/20/2012 1130
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B/DoD
Prep Method: 5030B
Dilution: 1.0
Analysis Date: 07/03/2012 1153
Prep Date: 07/03/2012 1153

Analysis Batch: 280-126520
Prep Batch: N/A

Instrument ID: MSV_R2
Lab File ID: RR6935.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.59	J	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **LF6M1246QA**

Lab Sample ID: 280-30282-1
Client Matrix: Water

Date Sampled: 06/20/2012 1130
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6935.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 1153			Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 1153				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	7.9		0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	4.1		0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	102		85 - 120
1,2-Dichloroethane-d4 (Surr)	85		70 - 120
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	92		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **LF6M1246QA**

Lab Sample ID: 280-30282-1
Client Matrix: Water

Date Sampled: 06/20/2012 1130
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6936.D
Dilution:	1.0			Initial Weight/Volume:	2 mL
Analysis Date:	07/03/2012 1216	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 1216				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
cis-1,2-Dichloroethene	380		1.5	10
Trichloroethene	300		1.6	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	103		85 - 120
1,2-Dichloroethane-d4 (Surr)	87		70 - 120
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	95		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: LF6VM2650QA

Lab Sample ID: 280-30282-5
Client Matrix: Water

Date Sampled: 06/20/2012 1436
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6937.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 1239			Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 1239				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U Q	0.17	1.0
1,1,1-Trichloroethane	0.20	U Q	0.16	1.0
1,2,3-Trichloropropane	0.80	U Q	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U Q	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U Q	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U Q	0.81	5.0
1,1-Dichloropropene	0.40	U Q	0.15	1.0
1,1-Dichloroethene	0.20	U Q	0.14	1.0
1,1,2-Trichloroethane	0.40	U Q	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U Q	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U Q	0.14	1.0
1,2-Dichlorobenzene	0.20	U Q	0.13	1.0
1,2-Dichloroethane	0.20	U Q	0.13	1.0
1,3-Dichlorobenzene	0.20	U Q	0.16	1.0
1,3-Dichloropropane	0.20	U Q	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U Q	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U Q	0.16	1.0
1,2-Dichloropropane	0.20	U Q	0.13	1.0
2,2-Dichloropropane	0.40	U Q	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U Q	1.0	5.0
4-Isopropyltoluene	0.40	U Q	0.17	1.0
Benzene	0.20	U Q	0.16	1.0
Acetone	6.4	U Q	1.9	10
Bromobenzene	0.20	U Q	0.17	1.0
Bromoform	0.40	U Q	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U Q	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U Q	0.17	1.0
4-Chlorotoluene	0.40	U Q	0.17	1.0
Chlorobenzene	0.20	U Q	0.17	1.0
Chlorobromomethane	0.20	U Q	0.10	1.0
Chlorodibromomethane	0.40	U Q	0.17	1.0
Chloroform	0.20	U Q	0.16	1.0
Chloroethane	1.6	U Q	0.41	2.0
Chloromethane	0.80	U Q	0.30	2.0
cis-1,3-Dichloropropene	0.20	U Q	0.16	1.0
Dibromomethane	0.40	U Q	0.17	1.0
Dichlorobromomethane	0.20	U Q	0.17	1.0
Dichlorodifluoromethane	0.80	U Q	0.31	2.0
Ethylbenzene	0.20	U Q	0.16	1.0
Hexachlorobutadiene	0.40	U Q	0.36	1.0
Isopropylbenzene	0.40	U Q	0.19	1.0

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **LF6VM2650QA**

Lab Sample ID: 280-30282-5
Client Matrix: Water

Date Sampled: 06/20/2012 1436
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6937.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 1239			Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 1239				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Ethylene Dibromide	0.20	U Q	0.18	1.0
Methylene Chloride	0.40	U Q	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U Q	0.34	2.0
Naphthalene	0.80	U Q	0.22	1.0
n-Butylbenzene	0.40	U Q	0.32	1.0
N-Propylbenzene	0.20	U Q	0.16	1.0
o-Xylene	0.40	U Q	0.19	1.0
Styrene	0.40	U Q	0.17	1.0
sec-Butylbenzene	0.40	U Q	0.17	1.0
tert-Butylbenzene	0.40	U Q	0.16	1.0
trans-1,2-Dichloroethene	0.25	J	0.15	1.0
trans-1,3-Dichloropropene	0.40	U Q	0.19	1.0
Tetrachloroethene	0.40	U Q	0.20	1.0
Toluene	0.40	U Q	0.17	1.0
Trichloroethene	0.20	U Q	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U Q	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U Q	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	192	Q	85 - 120
1,2-Dichloroethane-d4 (Surr)	149	Q	70 - 120
4-Bromofluorobenzene (Surr)	178	Q	75 - 120
Dibromofluoromethane (Surr)	168	Q	85 - 115

9/8/12

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **LF6VM2650QA**

Lab Sample ID: 280-30282-5
Client Matrix: Water

Date Sampled: 06/20/2012 1436
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6938.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2012 1302	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 1302				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
cis-1,2-Dichloroethene	100		0.60	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	112		85 - 120
1,2-Dichloroethane-d4 (Surr)	90		70 - 120
4-Bromofluorobenzene (Surr)	102		75 - 120
Dibromofluoromethane (Surr)	97		85 - 115

CMA
9/8/12

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: LF6VM2650QC

Lab Sample ID: 280-30282-6FD

Client Matrix: Water

Date Sampled: 06/20/2012 1436

Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6871.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1157			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1157				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **LF6VM2650QC**

Lab Sample ID: 280-30282-6FD
Client Matrix: Water

Date Sampled: 06/20/2012 1436
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6871.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1157			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1157				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	107		85 - 120
1,2-Dichloroethane-d4 (Surr)	83		70 - 120
4-Bromofluorobenzene (Surr)	98		75 - 120
Dibromofluoromethane (Surr)	91		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **LF6VM2650QC**

Lab Sample ID: 280-30282-6FD
Client Matrix: Water

Date Sampled: 06/20/2012 1436
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6929.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2012 0937	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0937				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
cis-1,2-Dichloroethene	89		0.60	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	100		85 - 120
1,2-Dichloroethane-d4 (Surr)	81		70 - 120
4-Bromofluorobenzene (Surr)	91		75 - 120
Dibromofluoromethane (Surr)	90		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **LF6SW0301QA**

Lab Sample ID: 280-30282-8
Client Matrix: Water

Date Sampled: 06/20/2012 1546
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6872.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1220			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1220				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **LF6SW0301QA**

Lab Sample ID: 280-30282-8
Client Matrix: Water

Date Sampled: 06/20/2012 1546
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6872.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1220			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1220				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	109		85 - 120
1,2-Dichloroethane-d4 (Surr)	84		70 - 120
4-Bromofluorobenzene (Surr)	97		75 - 120
Dibromofluoromethane (Surr)	92		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: 062012QE

Lab Sample ID: 280-30282-9EB
Client Matrix: Water

Date Sampled: 06/20/2012 1615
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6873.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1243			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1243				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	8.0	J	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: 062012QE

Lab Sample ID: 280-30282-9EB
Client Matrix: Water

Date Sampled: 06/20/2012 1615
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B/DoD
Prep Method: 5030B
Dilution: 1.0
Analysis Date: 07/02/2012 1243
Prep Date: 07/02/2012 1243

Analysis Batch: 280-126338
Prep Batch: N/A

Instrument ID: MSV_R2
Lab File ID: RR6873.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	101		85 - 120
1,2-Dichloroethane-d4 (Surr)	81		70 - 120
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane (Surr)	90		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: 062012QF

Lab Sample ID: 280-30282-10FB
Client Matrix: Water

Date Sampled: 06/20/2012 1601
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6874.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1306			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1306				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **062012QF**

Lab Sample ID: 280-30282-10FB

Client Matrix: Water

Date Sampled: 06/20/2012 1601

Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6874.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1306			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1306				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	1.5	J	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	111		85 - 120
1,2-Dichloroethane-d4 (Surr)	87		70 - 120
4-Bromofluorobenzene (Surr)	107		75 - 120
Dibromofluoromethane (Surr)	96		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: 062012QR

Lab Sample ID: 280-30282-11TB

Client Matrix: Water

Date Sampled: 06/20/2012 0915

Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6875.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1329			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1329				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **062012QR**

Lab Sample ID: 280-30282-11TB
Client Matrix: Water

Date Sampled: 06/20/2012 0915
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6875.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1329			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1329				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	102		85 - 120
1,2-Dichloroethane-d4 (Surr)	81		70 - 120
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane (Surr)	87		85 - 115

General Chemistry

Client Sample ID: LF6M1246QA

Lab Sample ID: 280-30282-1
Client Matrix: Water

Date Sampled: 06/20/2012 1130
Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.084	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1051						
Nitrogen, Kjeldahl	0.83	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2107						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	15	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125568	Analysis Date: 06/26/2012 0806						
Bromide	0.12	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1316						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1316						
Chloride	67		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1711						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1316						
Fluoride	0.68	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1316						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1316						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1316						
Sulfate	47		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1316						
Total Organic Carbon - Quad	3.1		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2233						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	400		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1218						
Hardness as calcium carbonate	460		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	580		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	59	D	mg/L	5.9	50	10	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1311						

9/8/12

General Chemistry

Client Sample ID: LF6VM17D48QA

Lab Sample ID: 280-30282-2
Client Matrix: Water

Date Sampled: 06/20/2012 1405
Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.090	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1056						
Nitrogen, Kjeldahl	0.64	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2112						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125568	Analysis Date: 06/26/2012 0806						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1333						
Nitrate as N	0.28	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1333						
Chloride	1.3	J	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1333						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1333						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1333						
Nitrate Nitrite as N	0.28	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1333						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1333						
Sulfate	11		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1333						
Total Organic Carbon - Quad	0.50	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2327						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	86		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1223						
Hardness as calcium carbonate	93		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	98		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1313						

cwt 9/5/12

General Chemistry

Client Sample ID: LF6VM17S15QA

Lab Sample ID: 280-30282-3
Client Matrix: Water

Date Sampled: 06/20/2012 1557
Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.076	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1057						
Nitrogen, Kjeldahl	0.85	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2113						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	25		mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125568	Analysis Date: 06/26/2012 0806						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1350						
Nitrate as N	2.2		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1350						
Chloride	0.54	J	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1350						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1350						
Fluoride	0.20	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1350						
Nitrate Nitrite as N	2.2		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1350						
Orthophosphate as P	0.20	U J	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1350						
Sulfate	13		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1350						
Total Organic Carbon - Quad	4.3		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2346						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	3.8	J	mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1228						
Hardness as calcium carbonate	74		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	34		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1314						

CWA 9/18/12

General Chemistry

Client Sample ID: LF6VM2348QA

Lab Sample ID: 280-30282-4
Client Matrix: Water

Date Sampled: 06/20/2012 1457
Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.092	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1059						
Nitrogen, Kjeldahl	0.56	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2114						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125568	Analysis Date: 06/26/2012 0806						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1457						
Nitrate as N	5.7		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1457						
Chloride	1.6	J	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1457						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1457						
Fluoride	0.093	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1457						
Nitrate Nitrite as N	5.7		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1457						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1457						
Sulfate	18		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1457						
Total Organic Carbon - Quad	0.97	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/14/2012 0004						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	290		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1233						
Hardness as calcium carbonate	310		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	320		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1325						

cwt 9/8/12

General Chemistry

Client Sample ID: LF6VM2650QA

Lab Sample ID: 280-30282-5
Client Matrix: Water

Date Sampled: 06/20/2012 1436
Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.12	JB	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1100						
Nitrogen, Kjeldahl	0.67	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2118						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125568	Analysis Date: 06/26/2012 0806						
Bromide	0.17	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1514						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1514						
Chloride	180		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1728						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1514						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1514						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1514						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1514						
Sulfate	47		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1514						
Total Organic Carbon - Quad	0.72	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/14/2012 0021						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	230		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1237						
Hardness as calcium carbonate	410		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	510		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1326						

CWA 9/5/12

General Chemistry

Client Sample ID: **LF6VM2650QC**

Lab Sample ID: 280-30282-6FD
Client Matrix: Water

Date Sampled: 06/20/2012 1436
Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.48	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1102						
Nitrogen, Kjeldahl	0.66	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2119						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125568	Analysis Date: 06/26/2012 0806						
Bromide	0.18	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1530						
Nitrate as N	0.042	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1530						
Chloride	180		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1745						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1530						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1530						
Nitrate Nitrite as N	0.042	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1530						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1530						
Sulfate	47		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1530						
Total Organic Carbon - Quad	0.73	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/14/2012 0038						
Color	10		PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	230		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1242						
Hardness as calcium carbonate	410		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	510		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1328						

9/8/12

General Chemistry

Client Sample ID: TMCUM0227QA

Lab Sample ID: 280-30282-7
Client Matrix: Water

Date Sampled: 06/20/2012 1115
Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.096	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1112						
Nitrogen, Kjeldahl	0.65	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2121						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125568	Analysis Date: 06/26/2012 0806						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1547						
Nitrate as N	0.37	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1547						
Chloride	28		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1547						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1547						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1547						
Nitrate Nitrite as N	0.37	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1547						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1547						
Sulfate	27		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1547						
Total Organic Carbon - Quad	0.70	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/14/2012 0132						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	130		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1257						
Hardness as calcium carbonate	170		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	210		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1330						

CMA 9/8/12

General Chemistry

Client Sample ID: LF6SW0301QA

Lab Sample ID: 280-30282-8
Client Matrix: Water

Date Sampled: 06/20/2012 1546
Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.28	B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1117						
Nitrogen, Kjeldahl	0.78	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2122						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125568	Analysis Date: 06/26/2012 0806						
Bromide	0.26	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1638						
Nitrate as N	0.19	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1638						
Chloride	170		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1819						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1638						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1638						
Nitrate Nitrite as N	0.19	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1638						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1638						
Sulfate	39		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1638						
Total Organic Carbon - Quad	2.3		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/14/2012 0150						
Color	15		PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	230		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1302						
Hardness as calcium carbonate	300		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	520		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	1.6	J	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1332						

cvt 9/18/12

General Chemistry

Client Sample ID: 062012QE

Lab Sample ID: 280-30282-9EB
Client Matrix: Water

Date Sampled: 06/20/2012 1615
Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.071	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1118						
Nitrogen, Kjeldahl	0.66	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2123						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1654						
Nitrate as N	0.052	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1654						
Chloride	0.50	U	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1654						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1654						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1654						
Nitrate Nitrite as N	0.052	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1654						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1654						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1654						
Total Organic Carbon - Quad	0.24	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/14/2012 0207						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	2.0	U	mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1305						
Hardness as calcium carbonate	1.5	U	mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	10	U	mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1335						

FPM Remediations, Inc.
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site Griffiss AFB Landfill 6
Water Sampling
Contract No. FA8903-10-D-8595, Delivery Order No. 0014

FPM Project No. 1015-11-01

TestAmerica Job #280-30334-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	4
Analytical Protocol:	DOD QSM, version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	June 21, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
LF6SW0101QA	6/21/12	062112UE (from TestAmerica Job #280-30335-1)	6/21/12
LF6SW0201QA	6/21/12		
LF6LH0101QA	6/21/12		
LF6LH0201QA	6/21/12		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.

QA – Primary environmental samples

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical methods employed included SW-846: Volatile Organic Compounds (VOC) by Method SW8260B, Total Organic Carbon (TOC) by Method SW 9060A, Total Dissolved Solids by Method SM 2540C, Total Alkalinity by Method SM 2320B, Anions by Method SW9056, Ammonia by Method 350.1, Total Kjeldahl Nitrogen by Method 351.2, Color by Method SM 2120B, Hardness (as calcium carbonate) by Method SM 2340C, Chemical Oxygen Demand (COD) by Method 410.4, and Biochemical Oxygen Demand (BOD) by Method SM 5210B.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits (DLs) and limits of quantitation (LOQs)
- Holding times, sample preservation and storage
- Second source calibration verification summary
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control samples (LCS)
- Results reported between DL and LOQ (J-flag)
- MS tune performance
- Ambient, equipment, and trip blanks (as applicable)
- Surrogate spike recoveries
- Internal standard areas counts and retention times

- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between the DL and LOQ), the laboratory and/or data verifier qualified the subject results with a "J" flag. Since no qualification of associated field samples are required for blanks less than half the LOQ, no further action was taken in such instances.

MS/MSD

For several analytes, the lab performed matrix spike/matrix spike duplicate sample (MS/MSD) analyses for various field samples. However, these samples were not requested by the client in the chain-of-custody; therefore, no action was taken for the MS/MSD sample criterion.

DUPLICATES

For several analytes, the lab performed duplicate analyses for various field samples. However, these samples were not requested by the client in the chain-of-custody; therefore, no action was taken for the duplicate sample criterion.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- Laboratory performance on individual samples is established by means of spiking all samples prior to analysis with surrogate compounds and assessing the percent recoveries. The following table summarizes QC exceedances for surrogate recoveries. The sample ID, percent recovery, and QC limits are listed.

Sample ID	Surrogate	%Rec	QC Limits (%)	Flag Applied	Rationale
LF6SW0201QA	Dibromofluoromethane	***83***	85-115	UJ	%Rec < LCL; associated results non-detect

For VOCs, if the recoveries for one or more surrogates are outside control limits, corrective action shall be implemented: the sample shall be reextracted and reanalyzed. If the corrective action is ineffective in resolving the exceedance, then all analytes associated with the surrogate fraction in that sample are qualified. For samples with surrogate recoveries greater than the upper control limit, positive sample results are considered estimated (flagged "J"). For samples with surrogate recoveries greater than 10% but less than the lower control limit, positive results are considered estimated (flagged "J") and non-detect results are considered estimated (flagged "UJ"). For samples with surrogate recoveries less than 10%, the results are rejected for the analytes. However, using professional judgment, no corrective action and/or flagging is required for minimal exceedances (i.e., within 1% of the control limits).

Corrective Action: According to the case narrative, sample LF6SW0201QA was re-analyzed since the recovery of one of the surrogates was below the lower control limit. The results confirmed the original results, so only the original results were reported. Using professional judgment, "UJ" flags were assigned to associated results since the exceedance indicates a negative bias and all results were non-detect.

WET CHEMISTRY ANALYTES

- According to the case narrative, the following analytes were analyzed at initial dilutions:

Analyte	Sample	Dilution
Chloride	LF6SW0101QA, LF6SW0201QA	1:5

The dilution results only are reported and are used in data verification as representing original results.

- The laboratory performed duplicate analyses on various wet chemistry analytes.
  Corrective Action: No corrective action was required since all associated RPD exceedances (i.e., the RPD exceeded 15%) were for results below the reporting limit.

- The case narrative mentioned that for the BOD analysis, the initial BOD for one of the aliquots used to calculate final BOD reported an initial dissolved oxygen (DO) concentration outside the range of 6.5-9.0 mg/L. The reported value was 9.72 mg/L.

Corrective Action: Using professional judgment, a "J" qualifier was deemed appropriate to indicate that the result may be considered estimated. This initial DO concentration is indicative of supersaturated conditions for the barometric pressure and temperature of the sample, which would result in a positive bias. Although there was no indication of mishandling of the samples by the laboratory, the "J" qualifier was assigned to be conservative.

- The following blank sample analyses indicated blank contaminants present at concentrations equal to or greater than half the limit of quantitation (LOQ). The Blank ID, detected contaminant, and concentration are listed.

Blank ID	Analyte	Concentration (mg/L)	LOQ (mg/L)	Samples Affected
062112UE (from TestAmerica Job #280-30335-1)	Ammonia	0.12	0.10	LF6SW0101QA, LF6SW0201QA, LF6LH0101QA, LF6LH0201QA
	TKN	0.78 J	1.0	LF6SW0101QA, LF6SW0201QA, LF6LH0101QA, LF6LH0201QA

The purpose of laboratory, equipment or trip blank analysis is to determine the existence and magnitude of contamination resulting from lab or field activities. If contamination is found in blanks the associated sample results for these analytes may be considered suspect. As per the QAPP, based on the blank contaminants present above half the LOQ, results for the specific analytes in the associated environmental samples are qualified with a "B" flag. However, in accordance with the EPA National Functional Guidelines and consistent with the QAPP, the "B" flag is **not** applied for sample results that are greater than five times (5x) the blank concentration. Thus the "B" flag is only applied to those samples for which the sample result is positive and less than five times (5x) the blank concentration.

Corrective Action: "B" flags were applied to the ammonia and TKN results for the field samples listed, since the associated results were less than 5x the blank concentration.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results of the samples for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

WET CHEMISTRY ANALYTES

Based on the evaluation of all information in the analytical data groups, the results of the samples for wet chemistry analytes are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # 280-30334-1 are valid and usable with qualifications as noted in the data review.

Signed: Concordia Van Hoesel Date: 9/6/12

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30334-1

Job Description: Griffiss AFB LF6 LTM

For:
FPM Remediations Inc
534 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Donna R Rydberg
Project Manager II
7/20/2012 1:59 PM

Designee for
Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/20/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
Tel (303) 736-0100 Fax (303) 431-7171 www.testamericainc.com

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CASE NARRATIVE

Client: FPM Remediations Inc

Project: Griffiss AFB LF6 LTM

Report Number: 280-30334-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
Four samples were received on 06/21/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 2.0°C, 3.2°C, and 3.8°C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples LF6SW0101QA (280-30334-1) and LF6SW0201QA (280-30334-2) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/02/20

The percent recovery for surrogate Dibromofluoromethane (83%) failed the surrogate recovery criteria (85-115%) low for sample LF6SW0201QA (280-30334-2). Re--analysis was performed with concurring results. The original analysis has been reported. All analytes associated to this surrogate were non-detect. Data was flagged accordingly.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

COLOR
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for color in accordance with SM20 2120B - Colorimetric. The samples were analyzed on 06/22/2012.

No difficulties were encountered during the color analyses.

All quality control parameters were within the acceptance limits.

ALKALINITY
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 06/23/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

HARDNESS
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for hardness in accordance with SM20 2340C. The samples were analyzed on 07/17/2012.

No difficulties were encountered during the hardness analyses.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 06/27/2012.

Constant weight was not achieved after 3 drying cycles for the following TDS samples of batch 125751: LF6LH0101QA (280-30334-3), LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2).

No other difficulties were encountered during the TDS analyses.

All quality control parameters were within the acceptance limits.

AMMONIA
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 07/07/2012.

No difficulties were encountered during the ammonia analyses.

All quality control parameters were within the acceptance limits.

TOTAL KJELDAHL NITROGEN
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 07/12/2012 and analyzed on 07/13/2012.

Nitrogen, Kjeldahl was detected in method blank MB 280-127752/3-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

No other difficulties were encountered during the TKN analyses.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for chemical oxygen demand in accordance with EPA Method 410.4. The samples were analyzed on 06/26/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

ANIONS (28 DAYS)
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for anions (28 days) in accordance with EPA SW-846 Method 9056. The samples were analyzed on 06/22/2012.

Samples LF6SW0101QA (280-30334-1) and LF6SW0201QA (280-30334-2) required a 5x dilution prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

No other anomalies were observed.

All quality control parameters were within the acceptance limits.

ANIONS (48 HOURS)
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for anions (48 hours) in accordance with EPA SW-846 Method 9056A. The samples were analyzed on 06/22/2012.

For IC nitrate, batch 125527, the sample duplicate %RPD for (280-30334-4 DU) was outside of control limits. However, the sample is less than the laboratory's standard reporting limit (RL), and we do not control to the RPD below the RL. The %RPD for the LCS/LCSD is in control.

No other difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 07/17/2012.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

BIOCHEMICAL OXYGEN DEMAND

Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for Biochemical Oxygen Demand in accordance with SM20 5210B. The samples were analyzed on 06/22/2012.

Sample LF6SW0101QA (280-30334-1) associated with batch 125222 for method BOD had an aliquot that was used in the final BOD calculation but did not have an initial DO reading in the range of 6.5-9.0mg/L.

No other difficulties were encountered during the BOD analyses.

All quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: MSV_R2 Analysis Batch Number: 124226

Lab Sample ID: IC 280-124226/5 Client Sample ID:

Date Analyzed: 06/15/12 08:22 Lab File ID: RR6390.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.66	Analyte not Identified by the Data System	dobranskym	06/15/12 11:00

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-38334-1

SDG No.:

Instrument ID: MSV_R2 Analytic Batch Number: 124226

Lab Sample ID: IC 280-124226/5 Client Sample ID:

Date Analyzed: 06/15/12 08:22 Lab File ID: RR6390.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.66	Analyte not Identified by the Data System	dobransky %	06/15/12 11:00

WR 7/9/12

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30334-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30334-1	LF6SW0101QA	Water	06/21/2012 1210	06/22/2012 0930
280-30334-2	LF6SW0201QA	Water	06/21/2012 1120	06/22/2012 0930
280-30334-3	LF6LH0101QA	Water	06/21/2012 1040	06/22/2012 0930
280-30334-4	LF6LH0201QA	Water	06/21/2012 1140	06/22/2012 0930

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30334-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30334-1	LF6SW0101QA					
Ammonia		0.070	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.86	J	1.0	mg/L	351.2
Chemical Oxygen Demand		7.0	J	20	mg/L	410.4
Bromide		0.27	J	0.50	mg/L	9056A
Nitrate as N		0.23	J	0.50	mg/L	9056A
Chloride		190		15	mg/L	9056A
Nitrate Nitrite as N		0.23	J	0.50	mg/L	9056A
Sulfate		40		5.0	mg/L	9056A
Total Organic Carbon - Quad		2.0		1.0	mg/L	9060A
Alkalinity		250		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		300		5.0	mg/L	SM 2340C
Total Dissolved Solids		590		10	mg/L	SM 2540C
Biochemical Oxygen Demand		3.1		2.5	mg/L	SM5210B
280-30334-2	LF6SW0201QA					
Ammonia		0.075	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.80	J	1.0	mg/L	351.2
Chemical Oxygen Demand		6.3	J	20	mg/L	410.4
Bromide		0.27	J	0.50	mg/L	9056A
Nitrate as N		0.19	J	0.50	mg/L	9056A
Chloride		180		15	mg/L	9056A
Nitrate Nitrite as N		0.19	J	0.50	mg/L	9056A
Sulfate		39		5.0	mg/L	9056A
Total Organic Carbon - Quad		2.2		1.0	mg/L	9060A
Alkalinity		250		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		310		5.0	mg/L	SM 2340C
Total Dissolved Solids		560		10	mg/L	SM 2540C
280-30334-3	LF6LH0101QA					
Ammonia		0.16		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.80	J	1.0	mg/L	351.2
Chemical Oxygen Demand		41		20	mg/L	410.4
Chloride		12		3.0	mg/L	9056A
Fluoride		0.067	J	1.0	mg/L	9056A
Sulfate		2.1	J	5.0	mg/L	9056A
Total Organic Carbon - Quad		8.1		1.0	mg/L	9060A
Alkalinity		240		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		230		5.0	mg/L	SM 2340C
Total Dissolved Solids		270		10	mg/L	SM 2540C
Biochemical Oxygen Demand		3.0		2.5	mg/L	SM5210B

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30334-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30334-4	**LF6LH0201QA**					
Ammonia		0.022	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.81	J	1.0	mg/L	351.2
Chemical Oxygen Demand		12	J	20	mg/L	410.4
Nitrate as N		0.079	J	0.50	mg/L	9056A
Chloride		6.7		3.0	mg/L	9056A
Fluoride		0.074	J	1.0	mg/L	9056A
Nitrate Nitrite as N		0.079	J	0.50	mg/L	9056A
Sulfate		30		5.0	mg/L	9056A
Total Organic Carbon - Quad		2.3		1.0	mg/L	9060A
Alkalinity		120		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		160		5.0	mg/L	SM 2340C
Total Dissolved Solids		190		10	mg/L	SM 2540C

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30334-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Nitrogen, Total Kjeldahl	TAL DEN	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL DEN		MCAWW 351.2
COD	TAL DEN	MCAWW 410.4	
Anions, Ion Chromatography	TAL DEN	SW846 9056A	
Organic Carbon, Total (TOC)	TAL DEN	SW846 9060A	
Color, Colorimetric	TAL DEN	SM SM 2120B	
Alkalinity	TAL DEN	SM SM 2320B	
Hardness, Total	TAL DEN	SM SM 2340C	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	
BOD, 5 Day	TAL DEN	SM SM5210B	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30334-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Dobransky, Michael E	MD
MCAWW 350.1	Wolff, Brett Q	BQW
MCAWW 351.2	Woolley, Mark	MW
MCAWW 410.4	Fayard, Maria	MF
SW846 9056A	Phan, Thu L	TLP
SW846 9060A	Bandy, Darlene F	DFB
SM SM 2120B	Ayala, Delaina	DA
SM SM 2320B	Gilbert, Bryan M	BMG
SM SM 2340C	Allen, Andrew J	AJA
SM SM 2540C	Domnick, Brandon J	BJD
SM SM5210B	Ayala, Delaina	DA

Client: FPM Remediations Inc

Job Number: 280-30334-1

Client Sample ID: **LF6SW0101QA**

Lab Sample ID: 280-30334-1
Client Matrix: Water

Date Sampled: 06/21/2012 1210
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6866.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1004			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1004				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30334-1

Client Sample ID: **LF6SW0101QA**

Lab Sample ID: 280-30334-1
Client Matrix: Water

Date Sampled: 06/21/2012 1210
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6866.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1004			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1004				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	103		85 - 120
1,2-Dichloroethane-d4 (Surr)	78		70 - 120
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane (Surr)	87		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30334-1

Client Sample ID: LF6SW0201QA

Lab Sample ID: 280-30334-2
Client Matrix: Water

Date Sampled: 06/21/2012 1120
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6865.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0941			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0941				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30334-1

Client Sample ID: **LF6SW0201QA**

Lab Sample ID: 280-30334-2
Client Matrix: Water

Date Sampled: 06/21/2012 1120
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6865.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0941			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0941				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U ~~J~~	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U ~~J~~	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	100		85 - 120
1,2-Dichloroethane-d4 (Surr)	73		70 - 120
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane (Surr)	83	Q	85 - 115

General Chemistry

Client Sample ID: **LF6SW0101QA**

Lab Sample ID: 280-30334-1
Client Matrix: Water

Date Sampled: 06/21/2012 1210
Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.070	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890		Analysis Date: 07/07/2012 1157					
Nitrogen, Kjeldahl	0.86	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784		Analysis Date: 07/13/2012 2042					
Prep Batch: 280-127752		Prep Date: 07/12/2012 1930					
Chemical Oxygen Demand	7.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624		Analysis Date: 06/26/2012 1137					
Bromide	0.27	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528		Analysis Date: 06/22/2012 1533					
Nitrate as N	0.23	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527		Analysis Date: 06/22/2012 1533					
Chloride	190		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125528		Analysis Date: 06/22/2012 1855					
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527		Analysis Date: 06/22/2012 1533					
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528		Analysis Date: 06/22/2012 1533					
Nitrate Nitrite as N	0.23	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527		Analysis Date: 06/22/2012 1533					
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527		Analysis Date: 06/22/2012 1533					
Sulfate	40		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528		Analysis Date: 06/22/2012 1533					
Total Organic Carbon - Quad	2.0		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057		Analysis Date: 07/17/2012 0403					
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227		Analysis Date: 06/22/2012 1300					
Alkalinity	250		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394		Analysis Date: 06/23/2012 1236					
Hardness as calcium carbonate	300		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017		Analysis Date: 07/17/2012 0902					
Total Dissolved Solids	590		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751		Analysis Date: 06/27/2012 0819					
Biochemical Oxygen Demand	3.1	J	mg/L	0.30	2.5	1.0	SM5210B
Analysis Batch: 280-125222		Analysis Date: 06/22/2012 1332					

CWA 9/7/12

General Chemistry

Client Sample ID: **LF6SW0201QA**

Lab Sample ID: 280-30334-2
Client Matrix: Water

Date Sampled: 06/21/2012 1120
Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.075	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1158						
Nitrogen, Kjeldahl	0.80	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2050						
Prep Batch: 280-127752	Prep Date: 07/12/2012 1930						
Chemical Oxygen Demand	6.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.27	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1550						
Nitrate as N	0.19	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1550						
Chloride	180		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1911						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1550						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1550						
Nitrate Nitrite as N	0.19	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1550						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1550						
Sulfate	39		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1550						
Total Organic Carbon - Quad	2.2		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0459						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	250		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1241						
Hardness as calcium carbonate	310		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	560		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1333						

CMT 9/8/12

General Chemistry

Client Sample ID: LF6LH0101QA

Lab Sample ID: 280-30334-3
Client Matrix: Water

Date Sampled: 06/21/2012 1040
Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.16	B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1200						
Nitrogen, Kjeldahl	0.80	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2052						
Prep Batch: 280-127752	Prep Date: 07/12/2012 1930						
Chemical Oxygen Demand	41		mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1607						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1607						
Chloride	12		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1607						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1607						
Fluoride	0.067	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1607						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1607						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1607						
Sulfate	2.1	J	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1607						
Total Organic Carbon - Quad	8.1		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0515						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	240		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1245						
Hardness as calcium carbonate	230		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	270		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	3.0		mg/L	0.30	2.5	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1335						

CA 7/8/12

General Chemistry

Client Sample ID: LF6LH0201QA

Lab Sample ID: 280-30334-4
Client Matrix: Water

Date Sampled: 06/21/2012 1140
Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.022	J B	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1201						
Nitrogen, Kjeldahl	0.81	J B	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2053						
Prep Batch: 280-127752	Prep Date: 07/12/2012 1930						
Chemical Oxygen Demand	12	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1623						
Nitrate as N	0.079	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1623						
Chloride	6.7		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1623						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1623						
Fluoride	0.074	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1623						
Nitrate Nitrite as N	0.079	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1623						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1623						
Sulfate	30		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1623						
Total Organic Carbon - Quad	2.3		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0609						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	120		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1250						
Hardness as calcium carbonate	160		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	190		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1340						

WA 9/5/12

FPM Remediations, Inc.
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site Griffiss AFB Landfill 6
Water Sampling
Contract No. FA8903-10-D-8595, Delivery Order No. 0014

FPM Project No. 1015-11-01

TestAmerica Job #280-30750-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	7
Analytical Protocol:	DOD QSM, version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	July 5, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
LF6M0168QA	7/5/12	LF6M0168QC	7/5/12
775VM18R90QA	7/5/12	070512QE	7/5/12
775VM20R110QA	7/5/12		
LF6VM2235QA	7/5/12	LF6VM2235QC	7/5/12

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.

QA – Primary environmental samples

QC – Field duplicate samples

QE – Equipment Blank

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical methods employed included: Biochemical Oxygen Demand (BOD) by Method SM 5210B.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits (DLs) and limits of quantitation (LOQs)
- Holding times, sample preservation and storage
- Second source calibration verification summary
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control samples (LCS)
- Results reported between DL and LOQ (J-flag)
- MS tune performance
- Ambient, equipment, and trip blanks (as applicable)
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between the DL and LOQ), the laboratory and/or data verifier qualified the subject results with a "J" flag. Since no qualification of associated field samples are required for blanks less than half the LOQ, no further action was taken in such instances.

MS/MSD

Sample volume was sent to the laboratory for sample LF6M0168QA; however, MS/MSD is not performed for BOD, so the samples were not logged in.

WET CHEMISTRY ANALYTES

- There were no QA/QC exceedances for the BOD analyses.

DATA USABILITY RESULTS

WET CHEMISTRY ANALYTES

Based on the evaluation of all information in the analytical data groups, the results of the samples for wet chemistry analytes are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # 280-30750-1 are valid and usable with qualifications as noted in the data review.

Signed: Concordia Van Hoesel Date: 9/8/12

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30750-1

Job Description: Griffiss AFB LF6 LTM

For:
FPM Remediations Inc
534 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Donna R Rydberg
Project Manager II
7/20/2012 2:10 PM

Designee for
Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/20/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
Tel (303) 736-0100 Fax (303) 431-7171 www.testamericainc.com

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CASE NARRATIVE

Client: FPM Remediations Inc

Project: Griffiss AFB LF6 LTM

Report Number: 280-30750-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
Seven samples were received on 07/06/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.7 °C.

MS/MSD volume was received for sample lF6M0168 (280-30750-1); however, MS/MSD is not performed for BOD and was not logged.

BIOCHEMICAL OXYGEN DEMAND
Samples LF6M0168QA (280-30750-1), LF6M0168QC (280-30750-2), 775VM18R90QA (280-30750-3), 775VM20R110QA (280-30750-4), LF6VM2235QA (280-30750-5), LF6VM2235QC (280-30750-6) and 070512QE (280-30750-7) were analyzed for Biochemical Oxygen Demand in accordance with SM20 5210B. The samples were analyzed on 07/06/2012.

No difficulties were encountered during the BOD analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30750-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30750-1	LF6M0168QA	Water	07/05/2012 1459	07/06/2012 1000
280-30750-2FD	LF6M0168QC	Water	07/05/2012 1459	07/06/2012 1000
280-30750-3	775VM18R90QA	Water	07/05/2012 1129	07/06/2012 1000
280-30750-4	775VM20R110QA	Water	07/05/2012 1411	07/06/2012 1000
280-30750-5	LF6VM2235QA	Water	07/05/2012 1031	07/06/2012 1000
280-30750-6FD	LF6VM2235QC	Water	07/05/2012 1031	07/06/2012 1000
280-30750-7EB	070512QE	Water	07/05/2012 1621	07/06/2012 1000

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30750-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30750-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
BOD, 5 Day	TAL DEN	SM SM5210B	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30750-1

Method	Analyst	Analyst ID
SM SM5210B	Ayala, Delaina	DA

Client: FPM Remediations Inc

Job Number: 280-30750-1

General Chemistry

Client Sample ID: **LF6M0168QA**

Lab Sample ID: 280-30750-1
Client Matrix: Water

Date Sampled: 07/05/2012 1459
Date Received: 07/06/2012 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B

Analysis Batch: 280-126834 Analysis Date: 07/06/2012 1343

Client: FPM Remediations Inc

Job Number: 280-30750-1

General Chemistry

Client Sample ID: **LF6M0168QC**

Lab Sample ID: 280-30750-2FD
Client Matrix: Water

Date Sampled: 07/05/2012 1459
Date Received: 07/06/2012 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B

Analysis Batch: 280-126834 Analysis Date: 07/06/2012 1344

Client: FPM Remediations Inc

Job Number: 280-30750-1

General Chemistry

Client Sample ID: **775VM18R90QA**

Lab Sample ID: 280-30750-3
Client Matrix: Water

Date Sampled: 07/05/2012 1129
Date Received: 07/06/2012 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B

Analysis Batch: 280-126834 Analysis Date: 07/06/2012 1345

General Chemistry

Client Sample ID: **775VM20R110QA**

Lab Sample ID: 280-30750-4
Client Matrix: Water

Date Sampled: 07/05/2012 1411
Date Received: 07/06/2012 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B

Analysis Batch: 280-126834 Analysis Date: 07/06/2012 1346

General Chemistry

Client Sample ID: **LF6VM2235QA**

Lab Sample ID: 280-30750-5
Client Matrix: Water

Date Sampled: 07/05/2012 1031
Date Received: 07/06/2012 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B

Analysis Batch: 280-126834 Analysis Date: 07/06/2012 1347

General Chemistry

Client Sample ID: **LF6VM2235QC**

Lab Sample ID: 280-30750-6FD

Client Matrix: Water

Date Sampled: 07/05/2012 1031

Date Received: 07/06/2012 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B

Analysis Batch: 280-126834 Analysis Date: 07/06/2012 1348

Client: FPM Remediations Inc

Job Number: 280-30750-1

General Chemistry

Client Sample ID: **070512QE**

Lab Sample ID: 280-30750-7EB
Client Matrix: Water

Date Sampled: 07/05/2012 1621
Date Received: 07/06/2012 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B

Analysis Batch: 280-126834 Analysis Date: 07/06/2012 1349

APPENDIX E

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

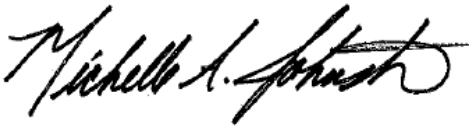
ANALYTICAL REPORT

Job Number: 280-30335-1

Job Description: Griffiss AFB LF1 LTM

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga



Approved for release.
Michelle Johnston
Project Manager I
7/20/2012 1:28 PM

Designee for
Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/20/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
Tel (303) 736-0100 Fax (303) 431-7171 www.testamericainc.com

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB LF1 LTM
Report Number: 280-30335-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Eight samples were received on 06/22/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 2.0ºC, 3.2ºC and 3.8ºC.

Sample collection dates and sample collection times were logged per the chain-of-custody, as this information was not present on the associated sample container labels. The client was notified on 06/22/2012.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples LF1P0213UA (280-30335-1), LF1M1111UA (280-30335-3), 062112UE (280-30335-6), 062112UF (280-30335-7) and 062112UR (280-30335-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/02/2012 and 07/03/2012.

No difficulties were encountered during the VOC analyses.

All quality control parameters were within the acceptance limits.

COLOR

Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for color in accordance with SM20 2120B - Colorimetric. The samples were analyzed on 06/22/2012.

No difficulties were encountered during the color analyses.

All quality control parameters were within the acceptance limits.

ALKALINITY

Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 06/26/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

HARDNESS

Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for hardness in accordance with SM20 2340C. The samples were analyzed on 07/17/2012.

No difficulties were encountered during the hardness analyses.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS

Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 06/27/2012.

No difficulties were encountered during the TDS analyses.

All quality control parameters were within the acceptance limits.

AMMONIA
Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 07/07/2012.

The MS/MSD associated with batch 280-126890 was performed on sample LF1P0213UA (280-30335-1). The MS/MSD exhibited spike compound recoveries outside the QC control limits for Ammonia. The acceptable LCS/LCSD analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary. The associated data in the parent sample has been flagged “J”.

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

TOTAL KJELDAHL NITROGEN
Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 07/11/2012 and analyzed on 07/13/2012.

Nitrogen, Kjeldahl was detected in method blank MB 280-127380/3-A at a level that was less than ½ the reporting limit; therefore, corrective action was deemed unnecessary. The value should be considered an estimate, and has been flagged “J”.

The MS/MSD associated with batch 280-127380 was performed on sample LF1P0213UA (280-30335-1). The MS/MSD exhibited spike compound recoveries outside the QC control limits for Nitrogen, Kjeldahl. The acceptable LCS/LCSD analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary. The associated data in the parent sample has been flagged “J”.

No other difficulties were encountered during the TKN analyses.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND
Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for chemical oxygen demand in accordance with EPA Method 410.4. The samples were analyzed on 06/26/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

ANIONS (28 DAYS)
Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for anions (28 days) in accordance with EPA SW-846 Method 9056. The samples were analyzed on 06/22/2012.

The MS/MSD associated with batch 280-125528 was performed on sample LF1P0317UA (280-30335-2). The MS/MSD exhibited a spike compound recovery outside the QC control limits for Chloride. The acceptable LCS/LCSD analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary. The associated data in the parent sample has been flagged “J”.

No other difficulties were encountered during the anions analyses.

All other quality control parameters were within the acceptance limits.

ANIONS (48 HOURS)
Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for anions (48 hours) in accordance with EPA SW-846 Method 9056A. The samples were analyzed on 06/22/2012.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON
Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 07/17/2012.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

BIOCHEMICAL OXYGEN DEMAND

Samples LF1P0213UA (280-30335-1), LF1P0317UA (280-30335-2), LF1M1111UA (280-30335-3), LF1M1316UA (280-30335-4), LF1M1316UC (280-30335-5) and 062112UE (280-30335-6) were analyzed for Biochemical Oxygen Demand in accordance with SM20 5210B. The samples were analyzed on 06/22/2012.

No difficulties were encountered during the BOD analyses.

All quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: MSV_R2 Analysis Batch Number: 124226

Lab Sample ID: IC 280-124226/5 Client Sample ID:

Date Analyzed: 06/15/12 08:22 Lab File ID: RR6390.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.66	Analyte not Identified by the Data System	dobranskym	06/15/12 11:00

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30335-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30335-1	LF1P0213UA	Water	06/21/2012 1149	06/22/2012 0930
280-30335-2	LF1P0317UA	Water	06/21/2012 1049	06/22/2012 0930
280-30335-3	LF1M1111UA	Water	06/21/2012 1532	06/22/2012 0930
280-30335-4	LF1M1316UA	Water	06/21/2012 1515	06/22/2012 0930
280-30335-5FD	LF1M1316UC	Water	06/21/2012 1515	06/22/2012 0930
280-30335-6EB	062112UE	Water	06/21/2012 1615	06/22/2012 0930
280-30335-7FB	062112UF	Water	06/21/2012 1201	06/22/2012 0930
280-30335-8TB	062112UR	Water	06/21/2012 0815	06/22/2012 0930

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30335-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30335-1	**LF1P0213UA**					
1,2-Dichlorobenzene		0.33	J	1.0	ug/L	8260B/DoD
1,4-Dichlorobenzene		1.6		1.0	ug/L	8260B/DoD
Benzene		0.45	J	1.0	ug/L	8260B/DoD
Chlorobenzene		1.1		1.0	ug/L	8260B/DoD
Cyclohexane		0.56	J	2.0	ug/L	8260B/DoD
Ammonia		0.74	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.7	J	1.0	mg/L	351.2
Chemical Oxygen Demand		6.3	J	20	mg/L	410.4
Bromide		0.11	J	0.50	mg/L	9056A
Nitrate as N		0.087	J	0.50	mg/L	9056A
Chloride		5.2		3.0	mg/L	9056A
Nitrate Nitrite as N		0.087	J	0.50	mg/L	9056A
Total Organic Carbon - Quad		2.0		1.0	mg/L	9060A
Color		25		5.0	PCU	SM 2120B
Alkalinity		430		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		380		5.0	mg/L	SM 2340C
Total Dissolved Solids		410		10	mg/L	SM 2540C
Biochemical Oxygen Demand		4.8	J	5.0	mg/L	SM5210B
280-30335-2	**LF1P0317UA**					
Ammonia		0.32		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.1		1.0	mg/L	351.2
Bromide		0.15	J	0.50	mg/L	9056A
Nitrate as N		0.042	J	0.50	mg/L	9056A
Chloride		9.7	J	3.0	mg/L	9056A
Nitrate Nitrite as N		0.042	J	0.50	mg/L	9056A
Sulfate		2.0	J	5.0	mg/L	9056A
Total Organic Carbon - Quad		0.48	J	1.0	mg/L	9060A
Alkalinity		370		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		320		5.0	mg/L	SM 2340C
Total Dissolved Solids		370		10	mg/L	SM 2540C
Biochemical Oxygen Demand		3.0		2.5	mg/L	SM5210B

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30335-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30335-3	**LF1M1111UA**					
1,1-Dichloroethane		0.73	J	1.0	ug/L	8260B/DoD
1,2-Dichlorobenzene		5.8		1.0	ug/L	8260B/DoD
1,3-Dichlorobenzene		0.59	J	1.0	ug/L	8260B/DoD
1,4-Dichlorobenzene		6.4		1.0	ug/L	8260B/DoD
Benzene		1.6		1.0	ug/L	8260B/DoD
Chlorobenzene		6.8		1.0	ug/L	8260B/DoD
Chloroethane		0.52	J	2.0	ug/L	8260B/DoD
cis-1,2-Dichloroethene		0.20	J	1.0	ug/L	8260B/DoD
Cyclohexane		0.54	J	2.0	ug/L	8260B/DoD
Methylcyclohexane		0.55	J	2.0	ug/L	8260B/DoD
Ammonia		1.4		0.10	mg/L	350.1
Nitrogen, Kjeldahl		3.0		1.0	mg/L	351.2
Chemical Oxygen Demand		9.7	J	20	mg/L	410.4
Bromide		0.15	J	0.50	mg/L	9056A
Chloride		8.4		3.0	mg/L	9056A
Fluoride		0.22	J	1.0	mg/L	9056A
Orthophosphate as P		0.19	J	0.50	mg/L	9056A
Total Organic Carbon - Quad		2.8		1.0	mg/L	9060A
Color		25		5.0	PCU	SM 2120B
Alkalinity		510		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		470		5.0	mg/L	SM 2340C
Total Dissolved Solids		500		10	mg/L	SM 2540C
Biochemical Oxygen Demand		8.3		5.0	mg/L	SM5210B
280-30335-4	**LF1M1316UA**					
Ammonia		0.14		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.1		1.0	mg/L	351.2
Bromide		0.13	J	0.50	mg/L	9056A
Chloride		14		3.0	mg/L	9056A
Sulfate		6.7		5.0	mg/L	9056A
Total Organic Carbon - Quad		2.2		1.0	mg/L	9060A
Color		45		5.0	PCU	SM 2120B
Alkalinity		200		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		190		5.0	mg/L	SM 2340C
Total Dissolved Solids		220		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30335-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30335-5FD	**LF1M1316UC**					
Ammonia		0.21		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.4		1.0	mg/L	351.2
Chemical Oxygen Demand		8.6	J	20	mg/L	410.4
Bromide		0.13	J	0.50	mg/L	9056A
Chloride		14		3.0	mg/L	9056A
Sulfate		6.9		5.0	mg/L	9056A
Total Organic Carbon - Quad		2.0		1.0	mg/L	9060A
Color		50		5.0	PCU	SM 2120B
Alkalinity		200		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		180		5.0	mg/L	SM 2340C
Total Dissolved Solids		220		10	mg/L	SM 2540C
280-30335-6EB	**062112UE**					
Ammonia		0.12		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.78	J	1.0	mg/L	351.2
Chemical Oxygen Demand		5.3	J	20	mg/L	410.4
Total Organic Carbon - Quad		0.37	J	1.0	mg/L	9060A

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30335-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Nitrogen, Total Kjeldahl	TAL DEN	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL DEN		MCAWW 351.2
COD	TAL DEN	MCAWW 410.4	
Anions, Ion Chromatography	TAL DEN	SW846 9056A	
Organic Carbon, Total (TOC)	TAL DEN	SW846 9060A	
Color, Colorimetric	TAL DEN	SM SM 2120B	
Alkalinity	TAL DEN	SM SM 2320B	
Hardness, Total	TAL DEN	SM SM 2340C	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	
BOD, 5 Day	TAL DEN	SM SM5210B	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30335-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Dobransky, Michael E	MD
MCAWW 350.1	Wolff, Brett Q	BQW
MCAWW 351.2	Woolley, Mark	MW
MCAWW 410.4	Fayard, Maria	MF
SW846 9056A	Phan, Thu L	TLP
SW846 9060A	Bandy, Darlene F	DFB
SM SM 2120B	Ayala, Delaina	DA
SM SM 2320B	Gilbert, Bryan M	BMG
SM SM 2340C	Allen, Andrew J	AJA
SM SM 2540C	Domnick, Brandon J	BJD
SM SM5210B	Ayala, Delaina	DA

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: **LF1P0213UA**

Lab Sample ID: 280-30335-1
Client Matrix: Water

Date Sampled: 06/21/2012 1149
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6876.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1351			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1351				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.33	J	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	1.6		0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.45	J	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	1.1		0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc | Job Number: 280-30335-1

Client Sample ID: **LF1P0213UA**

Lab Sample ID: 280-30335-1 | Date Sampled: 06/21/2012 1149
Client Matrix: Water | Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6876.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1351			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1351				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.56	J	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	104		85 - 120
1,2-Dichloroethane-d4 (Surr)	85		70 - 120
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	91		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: **LF1M1111UA**

Lab Sample ID: 280-30335-3
Client Matrix: Water

Date Sampled: 06/21/2012 1532
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6928.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 0914			Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0914				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.73	J	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	5.8		0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.59	J	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	6.4		0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	1.6		0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	6.8		0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	0.52	J	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	J	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: **LF1M1111UA**

Lab Sample ID: 280-30335-3
Client Matrix: Water

Date Sampled: 06/21/2012 1532
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6928.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 0914			Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0914				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.54	J	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.55	J	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	107		85 - 120
1,2-Dichloroethane-d4 (Surr)	84		70 - 120
4-Bromofluorobenzene (Surr)	98		75 - 120
Dibromofluoromethane (Surr)	93		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: **062112UE**

Lab Sample ID: 280-30335-6EB
Client Matrix: Water

Date Sampled: 06/21/2012 1615
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6878.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1437			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1437				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: **062112UE**

Lab Sample ID: 280-30335-6EB
Client Matrix: Water

Date Sampled: 06/21/2012 1615
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6878.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1437			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1437				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	102		85 - 120
1,2-Dichloroethane-d4 (Surr)	82		70 - 120
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane (Surr)	88		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: **062112UF**

Lab Sample ID: 280-30335-7FB
Client Matrix: Water

Date Sampled: 06/21/2012 1201
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6879.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1500			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1500				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: **062112UF**

Lab Sample ID: 280-30335-7FB
Client Matrix: Water

Date Sampled: 06/21/2012 1201
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6879.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1500			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1500				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	105		85 - 120
1,2-Dichloroethane-d4 (Surr)	85		70 - 120
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	91		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: **062112UR**

Lab Sample ID: 280-30335-8TB
Client Matrix: Water

Date Sampled: 06/21/2012 0815
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6880.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1523			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1523				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30335-1

Client Sample ID: **062112UR**

Lab Sample ID: 280-30335-8TB
Client Matrix: Water

Date Sampled: 06/21/2012 0815
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6880.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1523			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1523				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	106		85 - 120
1,2-Dichloroethane-d4 (Surr)	87		70 - 120
4-Bromofluorobenzene (Surr)	101		75 - 120
Dibromofluoromethane (Surr)	89		85 - 115

General Chemistry

Client Sample ID: **LF1P0213UA**

Lab Sample ID: 280-30335-1 Date Sampled: 06/21/2012 1149
Client Matrix: Water Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.74	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1203						
Nitrogen, Kjeldahl	1.7	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127774	Analysis Date: 07/13/2012 1920						
Prep Batch: 280-127380	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	6.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.11	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1155						
Nitrate as N	0.087	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1155						
Chloride	5.2		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1155						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1155						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1155						
Nitrate Nitrite as N	0.087	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1155						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1155						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1155						
Total Organic Carbon - Quad	2.0		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0641						
Color	25		PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	430		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1311						
Hardness as calcium carbonate	380		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	410		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	4.8	J	mg/L	0.59	5.0	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1212						

General Chemistry

Client Sample ID: **LF1P0317UA**

Lab Sample ID: 280-30335-2 Date Sampled: 06/21/2012 1049
Client Matrix: Water Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.32		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1207						
Nitrogen, Kjeldahl	1.1		mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127774	Analysis Date: 07/13/2012 1926						
Prep Batch: 280-127380	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.15	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1211						
Nitrate as N	0.042	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1211						
Chloride	9.7	J	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1211						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1211						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1211						
Nitrate Nitrite as N	0.042	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1211						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1211						
Sulfate	2.0	J	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1211						
Total Organic Carbon - Quad	0.48	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0659						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	370		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1338						
Hardness as calcium carbonate	320		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	370		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	3.0		mg/L	0.30	2.5	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1213						

General Chemistry

Client Sample ID: **LF1M1111UA**

Lab Sample ID: 280-30335-3 Date Sampled: 06/21/2012 1532
Client Matrix: Water Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	1.4		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1209						
Nitrogen, Kjeldahl	3.0		mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127774	Analysis Date: 07/13/2012 1928						
Prep Batch: 280-127380	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	9.7	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.15	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1319						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1319						
Chloride	8.4		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1319						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1319						
Fluoride	0.22	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1319						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1319						
Orthophosphate as P	0.19	J	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1319						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1319						
Total Organic Carbon - Quad	2.8		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0714						
Color	25		PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	510		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1348						
Hardness as calcium carbonate	470		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	500		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	8.3		mg/L	0.59	5.0	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1215						

General Chemistry

Client Sample ID: **LF1M1316UA**

Lab Sample ID: 280-30335-4 Date Sampled: 06/21/2012 1515
Client Matrix: Water Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.14		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1210						
Nitrogen, Kjeldahl	1.1		mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127774	Analysis Date: 07/13/2012 1931						
Prep Batch: 280-127380	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.13	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1335						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1335						
Chloride	14		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1335						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1335						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1335						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1335						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1335						
Sulfate	6.7		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1335						
Total Organic Carbon - Quad	2.2		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0732						
Color	45		PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	200		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1353						
Hardness as calcium carbonate	190		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	220		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1216						

General Chemistry

Client Sample ID: **LF1M1316UC**

Lab Sample ID: 280-30335-5FD Date Sampled: 06/21/2012 1515
Client Matrix: Water Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.21		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1221						
Nitrogen, Kjeldahl	1.4		mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127774	Analysis Date: 07/13/2012 1933						
Prep Batch: 280-127380	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	8.6	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.13	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1352						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1352						
Chloride	14		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1352						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1352						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1352						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1352						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1352						
Sulfate	6.9		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1352						
Total Organic Carbon - Quad	2.0		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0748						
Color	50		PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	200		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1358						
Hardness as calcium carbonate	180		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	220		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1217						

General Chemistry

Client Sample ID: **062112UE**

Lab Sample ID: 280-30335-6EB Date Sampled: 06/21/2012 1615
Client Matrix: Water Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.12		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1222						
Nitrogen, Kjeldahl	0.78	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127774	Analysis Date: 07/13/2012 1934						
Prep Batch: 280-127380	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	5.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1409						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1409						
Chloride	0.50	U	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1409						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1409						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1409						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1409						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1409						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1409						
Total Organic Carbon - Quad	0.37	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0807						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	2.0	U	mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1401						
Hardness as calcium carbonate	1.5	U	mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	10	U	mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1218						

Client: FPM Remediations Inc

Job Number: 280-30335-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-30335-1	LF1P0213UA	91	85	104	100
280-30335-3	LF1M1111UA	93	84	107	98
280-30335-6	062112UE	88	82	102	94
280-30335-7	062112UF	91	85	105	99
280-30335-8	062112UR	89	87	106	101
MB 280-126338/7		91	86	106	98
MB 280-126520/8		93	86	106	94
LCS 280-126338/6		90	83	100	89
LCS 280-126520/6		100	93	102	90
LCSD 280-126520/7		94	85	103	87

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Client: FPM Remediations Inc

Job Number: 280-30335-1

Method Blank - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-126338/7	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6863.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0856	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0856				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 280-30335-1

Method Blank - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-126338/7	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6863.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0856	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0856				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	106	85 - 120
1,2-Dichloroethane-d4 (Surr)	86	70 - 120
4-Bromofluorobenzene (Surr)	98	75 - 120
Dibromofluoromethane (Surr)	91	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30335-1

Lab Control Sample - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-126338/6	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6862.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0834	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0834				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	5.00	4.44	89	80 - 130	
1,1,1-Trichloroethane	5.00	4.14	83	65 - 130	
1,2,3-Trichloropropane	5.00	4.69	94	75 - 125	
1,2,3-Trichlorobenzene	5.00	4.45	89	55 - 140	
1,1-Dichloroethane	5.00	4.55	91	70 - 135	
1,2,4-Trichlorobenzene	5.00	4.42	88	65 - 135	
1,2-Dibromo-3-Chloropropane	5.00	4.42	88	50 - 130	J
1,1-Dichloropropene	5.00	4.53	91	75 - 130	
1,1-Dichloroethene	5.00	4.74	95	70 - 130	
1,1,2-Trichloroethane	5.00	4.67	93	75 - 125	
1,1,2,2-Tetrachloroethane	5.00	4.55	91	65 - 130	
1,2,4-Trimethylbenzene	5.00	4.42	88	75 - 130	
1,2-Dichlorobenzene	5.00	4.59	92	70 - 120	
1,2-Dichloroethane	5.00	4.76	95	70 - 130	
1,3-Dichlorobenzene	5.00	4.60	92	75 - 125	
1,3-Dichloropropane	5.00	4.55	91	75 - 125	
1,3,5-Trimethylbenzene	5.00	4.51	90	75 - 130	
2-Butanone (MEK)	20.0	28.0	140	30 - 150	
1,4-Dichlorobenzene	5.00	4.58	92	75 - 125	
1,2-Dichloropropane	5.00	4.61	92	75 - 125	
2,2-Dichloropropane	5.00	4.36	87	70 - 135	
2-Hexanone	20.0	22.4	112	55 - 130	
4-Methyl-2-pentanone (MIBK)	20.0	22.0	110	60 - 135	
4-Isopropyltoluene	5.00	4.53	91	75 - 130	
Benzene	5.00	4.47	89	80 - 120	
Acetone	20.0	23.2	116	40 - 140	
Bromobenzene	5.00	4.60	92	75 - 125	
Bromoform	5.00	4.55	91	70 - 130	
Bromomethane	5.00	4.95	99	30 - 145	
Carbon tetrachloride	5.00	4.29	86	65 - 140	
Carbon disulfide	5.00	4.43	89	35 - 160	
2-Chlorotoluene	5.00	4.70	94	75 - 125	
4-Chlorotoluene	5.00	4.80	96	75 - 130	
Chlorobenzene	5.00	4.48	90	80 - 120	
Chlorobromomethane	5.00	4.47	89	65 - 130	
Chlorodibromomethane	5.00	4.49	90	60 - 135	
Chloroform	5.00	4.23	85	65 - 135	
Chloroethane	5.00	4.41	88	60 - 135	
Chloromethane	5.00	4.55	91	40 - 125	
cis-1,2-Dichloroethene	5.00	4.52	90	70 - 125	
cis-1,3-Dichloropropene	5.00	4.38	88	70 - 130	
Dibromomethane	5.00	4.48	90	75 - 125	
Dichlorobromomethane	5.00	4.31	86	75 - 120	
Dichlorodifluoromethane	5.00	4.47	89	30 - 155	
Ethylbenzene	5.00	4.75	95	75 - 125	
Hexachlorobutadiene	5.00	4.29	86	50 - 140	

Client: FPM Remediations Inc

Job Number: 280-30335-1

Lab Control Sample - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-126338/6	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6862.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0834	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0834				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Isopropylbenzene	5.00	4.60	92	75 - 125	
Ethylene Dibromide	5.00	4.55	91	80 - 120	
Methylene Chloride	5.00	4.55	91	55 - 140	J
Methyl tert-butyl ether	5.00	4.29	86	65 - 125	J
m-Xylene & p-Xylene	10.0	9.26	93	75 - 130	
Naphthalene	5.00	4.29	86	55 - 140	
n-Butylbenzene	5.00	4.65	93	70 - 135	
N-Propylbenzene	5.00	4.70	94	70 - 130	
o-Xylene	5.00	4.67	93	80 - 120	
Styrene	5.00	4.39	88	65 - 135	
sec-Butylbenzene	5.00	4.69	94	70 - 125	
tert-Butylbenzene	5.00	4.55	91	70 - 130	
trans-1,2-Dichloroethene	5.00	4.54	91	60 - 140	
trans-1,3-Dichloropropene	5.00	4.45	89	55 - 140	
Tetrachloroethene	5.00	4.59	92	45 - 150	
Toluene	5.00	4.55	91	75 - 120	
Trichloroethene	5.00	4.59	92	70 - 125	
Trichlorofluoromethane	5.00	4.81	96	60 - 145	
Vinyl chloride	5.00	4.60	92	50 - 145	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	100	85 - 120
1,2-Dichloroethane-d4 (Surr)	83	70 - 120
4-Bromofluorobenzene (Surr)	89	75 - 120
Dibromofluoromethane (Surr)	90	85 - 115

Method Blank - Batch: 280-126520

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-126520/8	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6926.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 0829	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0829				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 280-30335-1

Method Blank - Batch: 280-126520

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-126520/8	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6926.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 0829	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0829				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	106	85 - 120
1,2-Dichloroethane-d4 (Surr)	86	70 - 120
4-Bromofluorobenzene (Surr)	94	75 - 120
Dibromofluoromethane (Surr)	93	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30335-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126520

Method: 8260B/DoD
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-126520/6	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6924.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 0743	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0743				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126520/7	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6925.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 0805	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0805				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	84	83	80 - 130	2	30		
1,1,1-Trichloroethane	83	77	65 - 130	7	30		
1,2,3-Trichloropropane	88	90	75 - 125	2	30		
1,2,3-Trichlorobenzene	82	82	55 - 140	1	30		
1,1-Dichloroethane	91	87	70 - 135	4	30		
1,2,4-Trichlorobenzene	81	83	65 - 135	2	30		
1,2-Dibromo-3-Chloropropane	79	82	50 - 130	4	30	J	J
1,1-Dichloropropene	81	80	75 - 130	1	30		
1,1-Dichloroethene	91	87	70 - 130	4	30		
1,1,2-Trichloroethane	92	89	75 - 125	3	30		
1,1,2,2-Tetrachloroethane	85	87	65 - 130	2	30		
1,2,4-Trimethylbenzene	83	81	75 - 130	3	30		
1,2-Dichlorobenzene	88	81	70 - 120	8	30		
1,2-Dichloroethane	94	90	70 - 130	4	30		
1,3-Dichlorobenzene	90	88	75 - 125	1	30		
1,3-Dichloropropane	87	89	75 - 125	2	30		
1,3,5-Trimethylbenzene	82	82	75 - 130	0	30		
2-Butanone (MEK)	127	132	30 - 150	4	30		
1,4-Dichlorobenzene	89	87	75 - 125	2	30		
1,2-Dichloropropane	87	89	75 - 125	2	30		
2,2-Dichloropropane	87	83	70 - 135	5	30		
2-Hexanone	97	99	55 - 130	2	30		
4-Methyl-2-pentanone (MIBK)	99	101	60 - 135	2	30		
4-Isopropyltoluene	82	80	75 - 130	2	30		
Benzene	86	85	80 - 120	1	30		
Acetone	126	116	40 - 140	9	30		
Bromobenzene	89	88	75 - 125	1	30		
Bromoform	88	87	70 - 130	1	30		
Bromomethane	93	91	30 - 145	3	30		
Carbon tetrachloride	83	80	65 - 140	4	30		
Carbon disulfide	89	89	35 - 160	1	30		
2-Chlorotoluene	88	86	75 - 125	2	30		
4-Chlorotoluene	89	89	75 - 130	0	30		
Chlorobenzene	87	86	80 - 120	1	30		
Chlorobromomethane	89	87	65 - 130	3	30		
Chlorodibromomethane	87	87	60 - 135	0	30		

Client: FPM Remediations Inc

Job Number: 280-30335-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126520

Method: 8260B/DoD
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-126520/6	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6924.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 0743	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0743				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126520/7	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6925.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 0805	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0805				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloroform	83	82	65 - 135	1	30		
Chloroethane	86	80	60 - 135	7	30		
Chloromethane	88	85	40 - 125	3	30		
cis-1,2-Dichloroethene	90	87	70 - 125	3	30		
cis-1,3-Dichloropropene	84	82	70 - 130	2	30		
Dibromomethane	93	93	75 - 125	0	30		
Dichlorobromomethane	84	84	75 - 120	0	30		
Dichlorodifluoromethane	93	88	30 - 155	6	30		
Ethylbenzene	88	87	75 - 125	1	30		
Hexachlorobutadiene	80	80	50 - 140	0	30		
Isopropylbenzene	83	80	75 - 125	3	30		
Ethylene Dibromide	90	90	80 - 120	1	30		
Methylene Chloride	98	96	55 - 140	3	30	J	J
Methyl tert-butyl ether	83	81	65 - 125	2	30	J	J
m-Xylene & p-Xylene	89	89	75 - 130	0	30		
Naphthalene	73	76	55 - 140	4	30		
n-Butylbenzene	85	82	70 - 135	4	30		
N-Propylbenzene	85	85	70 - 130	1	30		
o-Xylene	88	86	80 - 120	2	30		
Styrene	85	84	65 - 135	2	30		
sec-Butylbenzene	88	81	70 - 125	8	30		
tert-Butylbenzene	82	81	70 - 130	1	30		
trans-1,2-Dichloroethene	91	87	60 - 140	5	30		
trans-1,3-Dichloropropene	86	84	55 - 140	2	30		
Tetrachloroethene	90	88	45 - 150	1	30		
Toluene	89	86	75 - 120	3	30		
Trichloroethene	87	85	70 - 125	2	30		
Trichlorofluoromethane	101	96	60 - 145	6	30		
Vinyl chloride	86	78	50 - 145	9	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	102	103	85 - 120
1,2-Dichloroethane-d4 (Surr)	93	85	70 - 120
4-Bromofluorobenzene (Surr)	90	87	75 - 120
Dibromofluoromethane (Surr)	100	94	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30335-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126520

Method: 8260B/DoD
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-126520/6	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-126520/7
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/03/2012 0743			Analysis Date:	07/03/2012 0805
Prep Date:	07/03/2012 0743			Prep Date:	07/03/2012 0805
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1,2-Tetrachloroethane	5.00	5.00	4.20	4.13
1,1,1-Trichloroethane	5.00	5.00	4.14	3.85
1,2,3-Trichloropropane	5.00	5.00	4.42	4.50
1,2,3-Trichlorobenzene	5.00	5.00	4.08	4.11
1,1-Dichloroethane	5.00	5.00	4.54	4.34
1,2,4-Trichlorobenzene	5.00	5.00	4.07	4.15
1,2-Dibromo-3-Chloropropane	5.00	5.00	3.94 J	4.09 J
1,1-Dichloropropene	5.00	5.00	4.04	4.00
1,1-Dichloroethene	5.00	5.00	4.54	4.35
1,1,2-Trichloroethane	5.00	5.00	4.58	4.45
1,1,2,2-Tetrachloroethane	5.00	5.00	4.26	4.34
1,2,4-Trimethylbenzene	5.00	5.00	4.17	4.07
1,2-Dichlorobenzene	5.00	5.00	4.42	4.07
1,2-Dichloroethane	5.00	5.00	4.70	4.50
1,3-Dichlorobenzene	5.00	5.00	4.48	4.42
1,3-Dichloropropane	5.00	5.00	4.37	4.47
1,3,5-Trimethylbenzene	5.00	5.00	4.08	4.08
2-Butanone (MEK)	20.0	20.0	25.4	26.5
1,4-Dichlorobenzene	5.00	5.00	4.46	4.37
1,2-Dichloropropane	5.00	5.00	4.36	4.46
2,2-Dichloropropane	5.00	5.00	4.34	4.14
2-Hexanone	20.0	20.0	19.3	19.7
4-Methyl-2-pentanone (MIBK)	20.0	20.0	19.7	20.2
4-Isopropyltoluene	5.00	5.00	4.11	4.01
Benzene	5.00	5.00	4.30	4.25
Acetone	20.0	20.0	25.3	23.2
Bromobenzene	5.00	5.00	4.47	4.42
Bromoform	5.00	5.00	4.40	4.36
Bromomethane	5.00	5.00	4.66	4.54
Carbon tetrachloride	5.00	5.00	4.16	4.00
Carbon disulfide	5.00	5.00	4.47	4.45
2-Chlorotoluene	5.00	5.00	4.38	4.28
4-Chlorotoluene	5.00	5.00	4.45	4.44
Chlorobenzene	5.00	5.00	4.36	4.32
Chlorobromomethane	5.00	5.00	4.47	4.33
Chlorodibromomethane	5.00	5.00	4.34	4.33
Chloroform	5.00	5.00	4.14	4.11
Chloroethane	5.00	5.00	4.28	4.00
Chloromethane	5.00	5.00	4.41	4.27

Client: FPM Remediations Inc

Job Number: 280-30335-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126520

Method: 8260B/DoD
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-126520/6	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-126520/7
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/03/2012 0743			Analysis Date:	07/03/2012 0805
Prep Date:	07/03/2012 0743			Prep Date:	07/03/2012 0805
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
cis-1,2-Dichloroethene	5.00	5.00	4.51		4.37	
cis-1,3-Dichloropropene	5.00	5.00	4.19		4.09	
Dibromomethane	5.00	5.00	4.63		4.63	
Dichlorobromomethane	5.00	5.00	4.21		4.20	
Dichlorodifluoromethane	5.00	5.00	4.65		4.39	
Ethylbenzene	5.00	5.00	4.39		4.34	
Hexachlorobutadiene	5.00	5.00	4.02		4.02	
Isopropylbenzene	5.00	5.00	4.16		4.02	
Ethylene Dibromide	5.00	5.00	4.48		4.51	
Methylene Chloride	5.00	5.00	4.92	J	4.79	J
Methyl tert-butyl ether	5.00	5.00	4.15	J	4.06	J
m-Xylene & p-Xylene	10.0	10.0	8.87		8.87	
Naphthalene	5.00	5.00	3.66		3.82	
n-Butylbenzene	5.00	5.00	4.27		4.12	
N-Propylbenzene	5.00	5.00	4.27		4.23	
o-Xylene	5.00	5.00	4.41		4.30	
Styrene	5.00	5.00	4.27		4.20	
sec-Butylbenzene	5.00	5.00	4.39		4.05	
tert-Butylbenzene	5.00	5.00	4.11		4.07	
trans-1,2-Dichloroethene	5.00	5.00	4.57		4.37	
trans-1,3-Dichloropropene	5.00	5.00	4.28		4.18	
Tetrachloroethene	5.00	5.00	4.48		4.42	
Toluene	5.00	5.00	4.43		4.31	
Trichloroethene	5.00	5.00	4.33		4.25	
Trichlorofluoromethane	5.00	5.00	5.07		4.79	
Vinyl chloride	5.00	5.00	4.28		3.92	

Client: FPM Remediations Inc

Job Number: 280-30335-1

Method Blank - Batch: 280-126890

Method: 350.1
Preparation: N/A

Lab Sample ID:	MB 280-126890/42	Analysis Batch:	280-126890	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0707NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/07/2012 1117	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Ammonia	0.050	U	0.022	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126890

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126890/43	Analysis Batch:	280-126890	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0707NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/07/2012 1119	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126890/44	Analysis Batch:	280-126890	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0707NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/07/2012 1120	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	101	102	90 - 110	0	10		

Client: FPM Remediations Inc

Job Number: 280-30335-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126890

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126890/43	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126890/44
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/07/2012 1119			Analysis Date:	07/07/2012 1120
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ammonia	5.00	5.00	5.06	5.08

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126890

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-30335-1	Analysis Batch:	280-126890	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0707NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/07/2012 1204			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30335-1	Analysis Batch:	280-126890	Instrument ID:	WC_Alp 2		
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0707NXNX		
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL		
Analysis Date:	07/07/2012 1206			Final Weight/Volume:	5 mL		
Prep Date:	N/A						
Leach Date:	N/A						

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	46	46	90 - 110	1	20	J	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126890

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-30335-1	Units:	mg/L	MSD Lab Sample ID:	280-30335-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/07/2012 1204			Analysis Date:	07/07/2012 1206
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Ammonia	0.74	4.00	4.00	2.60	J	2.58	J

Client: FPM Remediations Inc

Job Number: 280-30335-1

Method Blank - Batch: 280-127380

Method: 351.2
Preparation: 351.2

Lab Sample ID:	MB 280-127380/3-A	Analysis Batch:	280-127774	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127380	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 1919	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/11/2012 2000				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrogen, Kjeldahl	0.375	J	0.077	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-127380

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 280-127380/1-A	Analysis Batch:	280-127774	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127380	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 1916	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/11/2012 2000				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-127380/2-A	Analysis Batch:	280-127774	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127380	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 1918	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/11/2012 2000				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrogen, Kjeldahl	94	94	90 - 110	0	25		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-127380

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 280-127380/1-A	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-127380/2-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/13/2012 1916			Analysis Date:	07/13/2012 1918
Prep Date:	07/11/2012 2000			Prep Date:	07/11/2012 2000
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrogen, Kjeldahl	6.00	6.00	5.65	5.66

Client: FPM Remediations Inc

Job Number: 280-30335-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127380

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	280-30335-1	Analysis Batch:	280-127774	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127380	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 1921			Final Weight/Volume:	25 mL
Prep Date:	07/11/2012 2000				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30335-1	Analysis Batch:	280-127774	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127380	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 1923			Final Weight/Volume:	25 mL
Prep Date:	07/11/2012 2000				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrogen, Kjeldahl	84	86	90 - 110	1	25	J	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127380

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	280-30335-1	Units:	mg/L	MSD Lab Sample ID:	280-30335-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/13/2012 1921			Analysis Date:	07/13/2012 1923
Prep Date:	07/11/2012 2000			Prep Date:	07/11/2012 2000
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Nitrogen, Kjeldahl	1.7	3.00	3.00	4.21	J	4.26	J

Client: FPM Remediations Inc

Job Number: 280-30335-1

Method Blank - Batch: 280-125624

Method: 410.4
Preparation: N/A

Lab Sample ID:	MB 280-125624/5	Analysis Batch:	280-125624	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	06/26/2012 1137	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Chemical Oxygen Demand	10	U	4.1	20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125624

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125624/3	Analysis Batch:	280-125624	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 1137	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125624/4	Analysis Batch:	280-125624	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 1137	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chemical Oxygen Demand	103	99	90 - 110	4	11		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125624

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125624/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125624/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/26/2012 1137			Analysis Date:	06/26/2012 1137
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chemical Oxygen Demand	100	100	103	99.4

Client: FPM Remediations Inc

Job Number: 280-30335-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125624

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-30335-1	Analysis Batch:	280-125624	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 1137			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30335-1	Analysis Batch:	280-125624	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 1137			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chemical Oxygen Demand	100	91	90 - 110	7	11		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125624

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-30335-1	Units:	mg/L	MSD Lab Sample ID:	280-30335-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/26/2012 1137			Analysis Date:	06/26/2012 1137
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chemical Oxygen Demand	6.3	J	50.0	50.0	56.1	52.0

Client: FPM Remediations Inc

Job Number: 280-30335-1

Method Blank - Batch: 280-125527

Method: 9056A
Preparation: N/A

Lab Sample ID:	MB 280-125527/7	Analysis Batch:	280-125527	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	116.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1033	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrate as N	0.10	U	0.042	0.50
Nitrite as N	0.10	U	0.049	0.50
Nitrate Nitrite as N	0.10	U	0.042	0.50
Orthophosphate as P	0.20	U	0.19	0.50

Method Reporting Limit Check - Batch: 280-125527

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-125527/3	Analysis Batch:	280-125527	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 0912	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate as N	0.500	0.502	100	50 - 150	
Nitrite as N	0.500	0.494	99	50 - 150	J
Orthophosphate as P	0.500	0.510	102	50 - 150	

Client: FPM Remediations Inc

Job Number: 280-30335-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125527

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125527/5	Analysis Batch:	280-125527	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 0945	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125527/6	Analysis Batch:	280-125527	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	115.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1002	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrate as N	102	102	87 - 110	0	10		
Nitrite as N	98	98	87 - 112	0	10		
Orthophosphate as P	95	96	90 - 110	2	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125527

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125527/5	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125527/6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/22/2012 0945			Analysis Date:	06/22/2012 1002
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrate as N	5.00	5.00	5.09	5.10
Nitrite as N	5.00	5.00	4.91	4.90
Orthophosphate as P	5.00	5.00	4.73	4.81

Client: FPM Remediations Inc

Job Number: 280-30335-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125527

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30335-2	Analysis Batch:	280-125527	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	120.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1245			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30335-2	Analysis Batch:	280-125527	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	121.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1302			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate as N	107	108	87 - 110	1	10		
Nitrite as N	101	101	87 - 112	1	10		
Orthophosphate as P	109	114	80 - 120	4	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125527

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30335-2	Units:	mg/L	MSD Lab Sample ID:	280-30335-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/22/2012 1245			Analysis Date:	06/22/2012 1302
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitrate as N	0.042	J	5.00	5.00	5.40	5.45
Nitrite as N	0.10	U	5.00	5.00	5.04	5.07
Orthophosphate as P	0.20	U	5.00	5.00	5.44	5.68

Client: FPM Remediations Inc

Job Number: 280-30335-1

Duplicate - Batch: 280-125527

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30335-2	Analysis Batch:	280-125527	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	119.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1228	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Nitrate as N	0.042	J	0.10	NC	15	U
Nitrite as N	0.10	U	0.10	NC	15	U
Orthophosphate as P	0.20	U	0.20	NC	15	U

Client: FPM Remediations Inc

Job Number: 280-30335-1

Method Blank - Batch: 280-125528

Method: 9056A
Preparation: N/A

Lab Sample ID:	MB 280-125528/7	Analysis Batch:	280-125528	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	116.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1033	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Bromide	0.20	U	0.11	0.50
Chloride	0.50	U	0.25	3.0
Fluoride	0.10	U	0.060	1.0
Sulfate	0.50	U	0.23	5.0

Method Reporting Limit Check - Batch: 280-125528

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-125528/4	Analysis Batch:	280-125528	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 0928	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	0.200	0.224	112	50 - 150	
Chloride	1.00	1.06	106	50 - 150	J
Fluoride	0.200	0.188	94	50 - 150	J
Sulfate	1.00	0.862	86	50 - 150	J

Client: FPM Remediations Inc

Job Number: 280-30335-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125528

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125528/5	Analysis Batch:	280-125528	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 0945	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125528/6	Analysis Batch:	280-125528	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	115.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1002	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bromide	101	101	86 - 110	0	10		
Chloride	102	102	89 - 110	0	10		
Fluoride	103	103	88 - 111	0	10		
Sulfate	102	102	86 - 110	0	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125528

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125528/5	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125528/6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/22/2012 0945			Analysis Date:	06/22/2012 1002
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Bromide	5.00	5.00	5.04	5.05
Chloride	25.0	25.0	25.4	25.4
Fluoride	5.00	5.00	5.15	5.15
Sulfate	25.0	25.0	25.5	25.5

Client: FPM Remediations Inc

Job Number: 280-30335-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125528

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30335-2	Analysis Batch:	280-125528	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	120.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1245			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30335-2	Analysis Batch:	280-125528	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	121.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1302			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromide	107	108	86 - 110	1	10		
Chloride	110	111	89 - 110	1	10		J
Fluoride	102	104	88 - 111	1	10		
Sulfate	107	108	86 - 110	1	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125528

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30335-2	Units:	mg/L	MSD Lab Sample ID:	280-30335-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/22/2012 1245			Analysis Date:	06/22/2012 1302
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Bromide	0.15	J	5.00	5.00	5.50	5.56	
Chloride	9.7		25.0	25.0	37.2	37.5	J
Fluoride	0.10	U	5.00	5.00	5.12	5.19	
Sulfate	2.0	J	25.0	25.0	28.8	29.1	

Client: FPM Remediations Inc

Job Number: 280-30335-1

Duplicate - Batch: 280-125528

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30335-2	Analysis Batch:	280-125528	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	119.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1228	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Bromide	0.15	J	0.150	2	15	J
Chloride	9.7		9.73	0.1	15	
Fluoride	0.10	U	0.10	NC	15	U
Sulfate	2.0	J	1.95	0.3	15	J

Client: FPM Remediations Inc

Job Number: 280-30335-1

Method Blank - Batch: 280-128057

Method: 9060A
Preparation: N/A

Lab Sample ID:	MB 280-128057/34	Analysis Batch:	280-128057	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071612.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/17/2012 0345	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Total Organic Carbon - Quad	0.40	U	0.16	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-128057

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128057/32	Analysis Batch:	280-128057	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071612.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/17/2012 0304	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-128057/33	Analysis Batch:	280-128057	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071612.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/17/2012 0325	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon - Quad	98	98	86 - 114	0	12		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-128057

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128057/32	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-128057/33
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/17/2012 0304			Analysis Date:	07/17/2012 0325
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon - Quad	25.0	25.0	24.5	24.5

Client: FPM Remediations Inc

Job Number: 280-30335-1

Method Blank - Batch: 280-126227

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	MB 280-126227/1	Analysis Batch:	280-126227	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/22/2012 1300	Units:	PCU	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Color	5.0	U	5.0	5.0

Duplicate - Batch: 280-126227

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	280-30335-1	Analysis Batch:	280-126227	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/22/2012 1300	Units:	PCU	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Color	25	25.0	0	20	

Client: FPM Remediations Inc

Job Number: 280-30335-1

Method Blank - Batch: 280-125734

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	MB 280-125734/33	Analysis Batch:	280-125734	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062612.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1105	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Alkalinity	2.0	U	1.1	5.0

Method Blank - Batch: 280-125734

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	MB 280-125734/63	Analysis Batch:	280-125734	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062612.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1334	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Alkalinity	2.0	U	1.1	5.0

Client: FPM Remediations Inc

Job Number: 280-30335-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125734

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125734/31	Analysis Batch:	280-125734	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062612.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1056	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125734/32	Analysis Batch:	280-125734	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062612.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1101	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Alkalinity	103	104	90 - 110	0	10		

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125734

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125734/61	Analysis Batch:	280-125734	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062612.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1325	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125734/62	Analysis Batch:	280-125734	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062612.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1330	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Alkalinity	104	104	90 - 110	0	10		

Client: FPM Remediations Inc

Job Number: 280-30335-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125734

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125734/31	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125734/32
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/26/2012 1056			Analysis Date:	06/26/2012 1101
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Alkalinity	200	200	207	207

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125734

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125734/61	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125734/62
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/26/2012 1325			Analysis Date:	06/26/2012 1330
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Alkalinity	200	200	208	208

Duplicate - Batch: 280-125734

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	280-30335-2	Analysis Batch:	280-125734	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062612.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1343	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	370	370	0.2	10	

Client: FPM Remediations Inc

Job Number: 280-30335-1

Method Blank - Batch: 280-128017

Method: SM 2340C
Preparation: N/A

Lab Sample ID:	MB 280-128017/1	Analysis Batch:	280-128017	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2012 0902	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hardness as calcium carbonate	1.5	U	1.3	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-128017

Method: SM 2340C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128017/2	Analysis Batch:	280-128017	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2012 0902	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-128017/3	Analysis Batch:	280-128017	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2012 0902	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hardness as calcium carbonate	99	99	90 - 110	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-128017

Method: SM 2340C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128017/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-128017/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/17/2012 0902			Analysis Date:	07/17/2012 0902
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Hardness as calcium carbonate	403	403	398	400

Client: FPM Remediations Inc

Job Number: 280-30335-1

Method Blank - Batch: 280-125751

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 280-125751/1	Analysis Batch:	280-125751	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/27/2012 0819	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Total Dissolved Solids	10	U	4.7	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125751

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125751/2	Analysis Batch:	280-125751	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/27/2012 0819	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125751/3	Analysis Batch:	280-125751	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/27/2012 0819	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	94	91	86 - 110	3	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125751

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125751/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125751/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/27/2012 0819			Analysis Date:	06/27/2012 0819
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	502	502	474	458

Client: FPM Remediations Inc

Job Number: 280-30335-1

Duplicate - Batch: 280-125751

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	280-30335-3	Analysis Batch:	280-125751	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/27/2012 0819	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	500	515	2	10	

Client: FPM Remediations Inc

Job Number: 280-30335-1

Method Blank - Batch: 280-125222

Method: SM5210B
Preparation: N/A

Lab Sample ID:	MB 280-125222/6	Analysis Batch:	280-125222	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/22/2012 1155	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Biochemical Oxygen Demand	0.60	U	0.24	2.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125222

Method: SM5210B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125222/4	Analysis Batch:	280-125222	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/22/2012 1155	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125222/5	Analysis Batch:	280-125222	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/22/2012 1155	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Biochemical Oxygen Demand	101	104	85 - 115	2	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125222

Method: SM5210B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125222/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125222/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/22/2012 1155			Analysis Date:	06/22/2012 1155
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Biochemical Oxygen Demand	198	198	200	205

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-30335-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-30335-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-126338					
LCS 280-126338/6	Lab Control Sample	T	Water	8260B/DoD	
MB 280-126338/7	Method Blank	T	Water	8260B/DoD	
280-30335-1	LF1P0213UA	T	Water	8260B/DoD	
280-30335-6EB	062112UE	T	Water	8260B/DoD	
280-30335-7FB	062112UF	T	Water	8260B/DoD	
280-30335-8TB	062112UR	T	Water	8260B/DoD	
Analysis Batch:280-126520					
LCS 280-126520/6	Lab Control Sample	T	Water	8260B/DoD	
LCSD 280-126520/7	Lab Control Sample Duplicate	T	Water	8260B/DoD	
MB 280-126520/8	Method Blank	T	Water	8260B/DoD	
280-30335-3	LF1M1111UA	T	Water	8260B/DoD	

Report Basis

T = Total

Client: FPM Remediations Inc

Job Number: 280-30335-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-125222					
LCS 280-125222/4	Lab Control Sample	T	Water	SM5210B	
LCSD 280-125222/5	Lab Control Sample Duplicate	T	Water	SM5210B	
MB 280-125222/6	Method Blank	T	Water	SM5210B	
280-30335-1	LF1P0213UA	T	Water	SM5210B	
280-30335-2	LF1P0317UA	T	Water	SM5210B	
280-30335-3	LF1M1111UA	T	Water	SM5210B	
280-30335-4	LF1M1316UA	T	Water	SM5210B	
280-30335-5FD	LF1M1316UC	T	Water	SM5210B	
280-30335-6EB	062112UE	T	Water	SM5210B	
Analysis Batch:280-125527					
LCS 280-125527/5	Lab Control Sample	T	Water	9056A	
LCSD 280-125527/6	Lab Control Sample Duplicate	T	Water	9056A	
MB 280-125527/7	Method Blank	T	Water	9056A	
280-30335-1	LF1P0213UA	T	Water	9056A	
280-30335-2	LF1P0317UA	T	Water	9056A	
280-30335-2DU	Duplicate	T	Water	9056A	
280-30335-2MS	Matrix Spike	T	Water	9056A	
280-30335-2MSD	Matrix Spike Duplicate	T	Water	9056A	
280-30335-3	LF1M1111UA	T	Water	9056A	
280-30335-4	LF1M1316UA	T	Water	9056A	
280-30335-5FD	LF1M1316UC	T	Water	9056A	
280-30335-6EB	062112UE	T	Water	9056A	
Analysis Batch:280-125528					
LCS 280-125528/5	Lab Control Sample	T	Water	9056A	
LCSD 280-125528/6	Lab Control Sample Duplicate	T	Water	9056A	
MB 280-125528/7	Method Blank	T	Water	9056A	
280-30335-1	LF1P0213UA	T	Water	9056A	
280-30335-2	LF1P0317UA	T	Water	9056A	
280-30335-2DU	Duplicate	T	Water	9056A	
280-30335-2MS	Matrix Spike	T	Water	9056A	
280-30335-2MSD	Matrix Spike Duplicate	T	Water	9056A	
280-30335-3	LF1M1111UA	T	Water	9056A	
280-30335-4	LF1M1316UA	T	Water	9056A	
280-30335-5FD	LF1M1316UC	T	Water	9056A	
280-30335-6EB	062112UE	T	Water	9056A	

Client: FPM Remediations Inc

Job Number: 280-30335-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-125624					
LCS 280-125624/3	Lab Control Sample	T	Water	410.4	
LCSD 280-125624/4	Lab Control Sample Duplicate	T	Water	410.4	
MB 280-125624/5	Method Blank	T	Water	410.4	
280-30335-1	LF1P0213UA	T	Water	410.4	
280-30335-1MS	Matrix Spike	T	Water	410.4	
280-30335-1MSD	Matrix Spike Duplicate	T	Water	410.4	
280-30335-2	LF1P0317UA	T	Water	410.4	
280-30335-3	LF1M1111UA	T	Water	410.4	
280-30335-4	LF1M1316UA	T	Water	410.4	
280-30335-5FD	LF1M1316UC	T	Water	410.4	
280-30335-6EB	062112UE	T	Water	410.4	
Analysis Batch:280-125734					
LCS 280-125734/31	Lab Control Sample	T	Water	SM 2320B	
LCS 280-125734/61	Lab Control Sample	T	Water	SM 2320B	
LCSD 280-125734/32	Lab Control Sample Duplicate	T	Water	SM 2320B	
LCSD 280-125734/62	Lab Control Sample Duplicate	T	Water	SM 2320B	
MB 280-125734/33	Method Blank	T	Water	SM 2320B	
MB 280-125734/63	Method Blank	T	Water	SM 2320B	
280-30335-1	LF1P0213UA	T	Water	SM 2320B	
280-30335-2	LF1P0317UA	T	Water	SM 2320B	
280-30335-2DU	Duplicate	T	Water	SM 2320B	
280-30335-3	LF1M1111UA	T	Water	SM 2320B	
280-30335-4	LF1M1316UA	T	Water	SM 2320B	
280-30335-5FD	LF1M1316UC	T	Water	SM 2320B	
280-30335-6EB	062112UE	T	Water	SM 2320B	
Analysis Batch:280-125751					
LCS 280-125751/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 280-125751/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 280-125751/1	Method Blank	T	Water	SM 2540C	
280-30335-1	LF1P0213UA	T	Water	SM 2540C	
280-30335-2	LF1P0317UA	T	Water	SM 2540C	
280-30335-3	LF1M1111UA	T	Water	SM 2540C	
280-30335-3DU	Duplicate	T	Water	SM 2540C	
280-30335-4	LF1M1316UA	T	Water	SM 2540C	
280-30335-5FD	LF1M1316UC	T	Water	SM 2540C	
280-30335-6EB	062112UE	T	Water	SM 2540C	

Client: FPM Remediations Inc

Job Number: 280-30335-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-126227					
MB 280-126227/1	Method Blank	T	Water	SM 2120B	
280-30335-1	LF1P0213UA	T	Water	SM 2120B	
280-30335-1DU	Duplicate	T	Water	SM 2120B	
280-30335-2	LF1P0317UA	T	Water	SM 2120B	
280-30335-3	LF1M1111UA	T	Water	SM 2120B	
280-30335-4	LF1M1316UA	T	Water	SM 2120B	
280-30335-5FD	LF1M1316UC	T	Water	SM 2120B	
280-30335-6EB	062112UE	T	Water	SM 2120B	
Analysis Batch:280-126890					
LCS 280-126890/43	Lab Control Sample	T	Water	350.1	
LCSD 280-126890/44	Lab Control Sample Duplicate	T	Water	350.1	
MB 280-126890/42	Method Blank	T	Water	350.1	
280-30335-1	LF1P0213UA	T	Water	350.1	
280-30335-1MS	Matrix Spike	T	Water	350.1	
280-30335-1MSD	Matrix Spike Duplicate	T	Water	350.1	
280-30335-2	LF1P0317UA	T	Water	350.1	
280-30335-3	LF1M1111UA	T	Water	350.1	
280-30335-4	LF1M1316UA	T	Water	350.1	
280-30335-5FD	LF1M1316UC	T	Water	350.1	
280-30335-6EB	062112UE	T	Water	350.1	
Prep Batch: 280-127380					
LCS 280-127380/1-A	Lab Control Sample	T	Water	351.2	
LCSD 280-127380/2-A	Lab Control Sample Duplicate	T	Water	351.2	
MB 280-127380/3-A	Method Blank	T	Water	351.2	
280-30335-1	LF1P0213UA	T	Water	351.2	
280-30335-1MS	Matrix Spike	T	Water	351.2	
280-30335-1MSD	Matrix Spike Duplicate	T	Water	351.2	
280-30335-2	LF1P0317UA	T	Water	351.2	
280-30335-3	LF1M1111UA	T	Water	351.2	
280-30335-4	LF1M1316UA	T	Water	351.2	
280-30335-5FD	LF1M1316UC	T	Water	351.2	
280-30335-6EB	062112UE	T	Water	351.2	

Client: FPM Remediations Inc

Job Number: 280-30335-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-127774					
LCS 280-127380/1-A	Lab Control Sample	T	Water	351.2	280-127380
LCSD 280-127380/2-A	Lab Control Sample Duplicate	T	Water	351.2	280-127380
MB 280-127380/3-A	Method Blank	T	Water	351.2	280-127380
280-30335-1	LF1P0213UA	T	Water	351.2	280-127380
280-30335-1MS	Matrix Spike	T	Water	351.2	280-127380
280-30335-1MSD	Matrix Spike Duplicate	T	Water	351.2	280-127380
280-30335-2	LF1P0317UA	T	Water	351.2	280-127380
280-30335-3	LF1M1111UA	T	Water	351.2	280-127380
280-30335-4	LF1M1316UA	T	Water	351.2	280-127380
280-30335-5FD	LF1M1316UC	T	Water	351.2	280-127380
280-30335-6EB	062112UE	T	Water	351.2	280-127380
Analysis Batch:280-128017					
LCS 280-128017/2	Lab Control Sample	T	Water	SM 2340C	
LCSD 280-128017/3	Lab Control Sample Duplicate	T	Water	SM 2340C	
MB 280-128017/1	Method Blank	T	Water	SM 2340C	
280-30335-1	LF1P0213UA	T	Water	SM 2340C	
280-30335-2	LF1P0317UA	T	Water	SM 2340C	
280-30335-3	LF1M1111UA	T	Water	SM 2340C	
280-30335-4	LF1M1316UA	T	Water	SM 2340C	
280-30335-5FD	LF1M1316UC	T	Water	SM 2340C	
280-30335-6EB	062112UE	T	Water	SM 2340C	
Analysis Batch:280-128057					
LCS 280-128057/32	Lab Control Sample	T	Water	9060A	
LCSD 280-128057/33	Lab Control Sample Duplicate	T	Water	9060A	
MB 280-128057/34	Method Blank	T	Water	9060A	
280-30335-1	LF1P0213UA	T	Water	9060A	
280-30335-2	LF1P0317UA	T	Water	9060A	
280-30335-3	LF1M1111UA	T	Water	9060A	
280-30335-4	LF1M1316UA	T	Water	9060A	
280-30335-5FD	LF1M1316UC	T	Water	9060A	
280-30335-6EB	062112UE	T	Water	9060A	

Report Basis
T = Total

Client: FPM Remediations Inc Job Number: 280-30335-1

Laboratory Chronicle

Lab ID: 280-30335-1 **Client ID: LF1P0213UA**

Sample Date/Time: 06/21/2012 11:49 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30335-G-1		280-126338		07/02/2012 13:51	1	TAL DEN	MD
A:8260B/DoD	280-30335-G-1		280-126338		07/02/2012 13:51	1	TAL DEN	MD
A:350.1	280-30335-D-1		280-126890		07/07/2012 12:03	1	TAL DEN	BQW
P:351.2	280-30335-C-1-A		280-127774	280-127380	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30335-C-1-A		280-127774	280-127380	07/13/2012 19:20	1	TAL DEN	MW
A:410.4	280-30335-C-1		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	280-30335-B-1		280-125527		06/22/2012 11:55	1	TAL DEN	TLP
A:9056A	280-30335-B-1		280-125528		06/22/2012 11:55	1	TAL DEN	TLP
A:9060A	280-30335-D-1		280-128057		07/17/2012 06:41	1	TAL DEN	DFB
A:SM 2120B	280-30335-A-1		280-126227		06/22/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30335-B-1		280-125734		06/26/2012 13:11	1	TAL DEN	BMG
A:SM 2340C	280-30335-E-1		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30335-B-1		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM5210B	280-30335-A-1		280-125222		06/22/2012 12:12	1	TAL DEN	DA

Lab ID: 280-30335-1 MS **Client ID: LF1P0213UA**

Sample Date/Time: 06/21/2012 11:49 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30335-D-1 MS		280-126890		07/07/2012 12:04	1	TAL DEN	BQW
P:351.2	280-30335-C-1-B MS		280-127774	280-127380	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30335-C-1-B MS		280-127774	280-127380	07/13/2012 19:21	1	TAL DEN	MW
A:410.4	280-30335-C-1 MS		280-125624		06/26/2012 11:37	1	TAL DEN	MF

Lab ID: 280-30335-1 MSD **Client ID: LF1P0213UA**

Sample Date/Time: 06/21/2012 11:49 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30335-D-1 MSD		280-126890		07/07/2012 12:06	1	TAL DEN	BQW
P:351.2	280-30335-C-1-C MSD		280-127774	280-127380	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30335-C-1-C MSD		280-127774	280-127380	07/13/2012 19:23	1	TAL DEN	MW
A:410.4	280-30335-C-1 MSD		280-125624		06/26/2012 11:37	1	TAL DEN	MF

Lab ID: 280-30335-1 DU **Client ID: LF1P0213UA**

Sample Date/Time: 06/21/2012 11:49 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2120B	280-30335-A-1 DU		280-126227		06/22/2012 13:00	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30335-1

Laboratory Chronicle

Lab ID: 280-30335-2 **Client ID:** LF1P0317UA

Sample Date/Time: 06/21/2012 10:49 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30335-D-2		280-126890		07/07/2012 12:07	1	TAL DEN	BQW
P:351.2	280-30335-C-2-A		280-127774	280-127380	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30335-C-2-A		280-127774	280-127380	07/13/2012 19:26	1	TAL DEN	MW
A:410.4	280-30335-C-2		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	280-30335-B-2		280-125527		06/22/2012 12:11	1	TAL DEN	TLP
A:9056A	280-30335-B-2		280-125528		06/22/2012 12:11	1	TAL DEN	TLP
A:9060A	280-30335-D-2		280-128057		07/17/2012 06:59	1	TAL DEN	DFB
A:SM 2120B	280-30335-A-2		280-126227		06/22/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30335-B-2		280-125734		06/26/2012 13:38	1	TAL DEN	BMG
A:SM 2340C	280-30335-E-2		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30335-B-2		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM5210B	280-30335-A-2		280-125222		06/22/2012 12:13	1	TAL DEN	DA

Lab ID: 280-30335-2 MS **Client ID:** LF1P0317UA

Sample Date/Time: 06/21/2012 10:49 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9056A	280-30335-B-2 MS		280-125527		06/22/2012 12:45	1	TAL DEN	TLP
A:9056A	280-30335-B-2 MS		280-125528		06/22/2012 12:45	1	TAL DEN	TLP

Lab ID: 280-30335-2 MSD **Client ID:** LF1P0317UA

Sample Date/Time: 06/21/2012 10:49 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9056A	280-30335-B-2 MSD		280-125527		06/22/2012 13:02	1	TAL DEN	TLP
A:9056A	280-30335-B-2 MSD		280-125528		06/22/2012 13:02	1	TAL DEN	TLP

Lab ID: 280-30335-2 DU **Client ID:** LF1P0317UA

Sample Date/Time: 06/21/2012 10:49 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9056A	280-30335-B-2 DU		280-125527		06/22/2012 12:28	1	TAL DEN	TLP
A:9056A	280-30335-B-2 DU		280-125528		06/22/2012 12:28	1	TAL DEN	TLP
A:SM 2320B	280-30335-B-2 DU		280-125734		06/26/2012 13:43	1	TAL DEN	BMG

Client: FPM Remediations Inc

Job Number: 280-30335-1

Laboratory Chronicle

Lab ID: 280-30335-3 **Client ID:** LF1M1111UA

Sample Date/Time: 06/21/2012 15:32 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30335-H-3		280-126520		07/03/2012 09:14	1	TAL DEN	MD
A:8260B/DoD	280-30335-H-3		280-126520		07/03/2012 09:14	1	TAL DEN	MD
A:350.1	280-30335-D-3		280-126890		07/07/2012 12:09	1	TAL DEN	BQW
P:351.2	280-30335-C-3-A		280-127774	280-127380	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30335-C-3-A		280-127774	280-127380	07/13/2012 19:28	1	TAL DEN	MW
A:410.4	280-30335-C-3		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	280-30335-B-3		280-125527		06/22/2012 13:19	1	TAL DEN	TLP
A:9056A	280-30335-B-3		280-125528		06/22/2012 13:19	1	TAL DEN	TLP
A:9060A	280-30335-D-3		280-128057		07/17/2012 07:14	1	TAL DEN	DFB
A:SM 2120B	280-30335-A-3		280-126227		06/22/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30335-B-3		280-125734		06/26/2012 13:48	1	TAL DEN	BMG
A:SM 2340C	280-30335-E-3		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30335-B-3		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM5210B	280-30335-A-3		280-125222		06/22/2012 12:15	1	TAL DEN	DA

Lab ID: 280-30335-3 DU **Client ID:** LF1M1111UA

Sample Date/Time: 06/21/2012 15:32 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2540C	280-30335-B-3 DU		280-125751		06/27/2012 08:19	1	TAL DEN	BJD

Lab ID: 280-30335-4 **Client ID:** LF1M1316UA

Sample Date/Time: 06/21/2012 15:15 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30335-D-4		280-126890		07/07/2012 12:10	1	TAL DEN	BQW
P:351.2	280-30335-C-4-A		280-127774	280-127380	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30335-C-4-A		280-127774	280-127380	07/13/2012 19:31	1	TAL DEN	MW
A:410.4	280-30335-C-4		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	280-30335-B-4		280-125527		06/22/2012 13:35	1	TAL DEN	TLP
A:9056A	280-30335-B-4		280-125528		06/22/2012 13:35	1	TAL DEN	TLP
A:9060A	280-30335-D-4		280-128057		07/17/2012 07:32	1	TAL DEN	DFB
A:SM 2120B	280-30335-A-4		280-126227		06/22/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30335-B-4		280-125734		06/26/2012 13:53	1	TAL DEN	BMG
A:SM 2340C	280-30335-E-4		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30335-B-4		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM5210B	280-30335-A-4		280-125222		06/22/2012 12:16	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30335-1

Laboratory Chronicle

Lab ID: 280-30335-5 **Client ID:** LF1M1316UC

Sample Date/Time: 06/21/2012 15:15 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30335-D-5		280-126890		07/07/2012 12:21	1	TAL DEN	BQW
P:351.2	280-30335-C-5-A		280-127774	280-127380	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30335-C-5-A		280-127774	280-127380	07/13/2012 19:33	1	TAL DEN	MW
A:410.4	280-30335-C-5		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	280-30335-B-5		280-125527		06/22/2012 13:52	1	TAL DEN	TLP
A:9056A	280-30335-B-5		280-125528		06/22/2012 13:52	1	TAL DEN	TLP
A:9060A	280-30335-D-5		280-128057		07/17/2012 07:48	1	TAL DEN	DFB
A:SM 2120B	280-30335-A-5		280-126227		06/22/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30335-B-5		280-125734		06/26/2012 13:58	1	TAL DEN	BMG
A:SM 2340C	280-30335-E-5		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30335-B-5		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM5210B	280-30335-A-5		280-125222		06/22/2012 12:17	1	TAL DEN	DA

Lab ID: 280-30335-6 **Client ID:** 062112UE

Sample Date/Time: 06/21/2012 16:15 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30335-F-6		280-126338		07/02/2012 14:37	1	TAL DEN	MD
A:8260B/DoD	280-30335-F-6		280-126338		07/02/2012 14:37	1	TAL DEN	MD
A:350.1	280-30335-D-6		280-126890		07/07/2012 12:22	1	TAL DEN	BQW
P:351.2	280-30335-C-6-A		280-127774	280-127380	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30335-C-6-A		280-127774	280-127380	07/13/2012 19:34	1	TAL DEN	MW
A:410.4	280-30335-C-6		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	280-30335-B-6		280-125527		06/22/2012 14:09	1	TAL DEN	TLP
A:9056A	280-30335-B-6		280-125528		06/22/2012 14:09	1	TAL DEN	TLP
A:9060A	280-30335-D-6		280-128057		07/17/2012 08:07	1	TAL DEN	DFB
A:SM 2120B	280-30335-A-6		280-126227		06/22/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30335-B-6		280-125734		06/26/2012 14:01	1	TAL DEN	BMG
A:SM 2340C	280-30335-E-6		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30335-B-6		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM5210B	280-30335-A-6		280-125222		06/22/2012 12:18	1	TAL DEN	DA

Lab ID: 280-30335-7 **Client ID:** 062112UF

Sample Date/Time: 06/21/2012 12:01 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30335-A-7		280-126338		07/02/2012 15:00	1	TAL DEN	MD
A:8260B/DoD	280-30335-A-7		280-126338		07/02/2012 15:00	1	TAL DEN	MD

Client: FPM Remediations Inc

Job Number: 280-30335-1

Laboratory Chronicle

Lab ID: 280-30335-8 **Client ID:** 062112UR

Sample Date/Time: 06/21/2012 08:15 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30335-A-8		280-126338		07/02/2012 15:23	1	TAL DEN	MD
A:8260B/DoD	280-30335-A-8		280-126338		07/02/2012 15:23	1	TAL DEN	MD

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 280-126338/7		280-126338		07/02/2012 08:56	1	TAL DEN	MD
A:8260B/DoD	MB 280-126338/7		280-126338		07/02/2012 08:56	1	TAL DEN	MD
P:5030B	MB 280-126520/8		280-126520		07/03/2012 08:29	1	TAL DEN	MD
A:8260B/DoD	MB 280-126520/8		280-126520		07/03/2012 08:29	1	TAL DEN	MD
A:350.1	MB 280-126890/42		280-126890		07/07/2012 11:17	1	TAL DEN	BQW
P:351.2	MB 280-127380/3-A		280-127774	280-127380	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	MB 280-127380/3-A		280-127774	280-127380	07/13/2012 19:19	1	TAL DEN	MW
A:410.4	MB 280-125624/5		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	MB 280-125527/7		280-125527		06/22/2012 10:33	1	TAL DEN	TLP
A:9056A	MB 280-125528/7		280-125528		06/22/2012 10:33	1	TAL DEN	TLP
A:9060A	MB 280-128057/34		280-128057		07/17/2012 03:45	1	TAL DEN	DFB
A:SM 2120B	MB 280-126227/1		280-126227		06/22/2012 13:00	1	TAL DEN	DA
A:SM 2320B	MB 280-125734/33		280-125734		06/26/2012 11:05	1	TAL DEN	BMG
A:SM 2320B	MB 280-125734/63		280-125734		06/26/2012 13:34	1	TAL DEN	BMG
A:SM 2340C	MB 280-128017/1		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	MB 280-125751/1		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM5210B	MB 280-125222/6		280-125222		06/22/2012 11:55	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30335-1

Laboratory Chronicle

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-126338/6		280-126338		07/02/2012 08:34	1	TAL DEN	MD
A:8260B/DoD	LCS 280-126338/6		280-126338		07/02/2012 08:34	1	TAL DEN	MD
P:5030B	LCS 280-126520/6		280-126520		07/03/2012 07:43	1	TAL DEN	MD
A:8260B/DoD	LCS 280-126520/6		280-126520		07/03/2012 07:43	1	TAL DEN	MD
A:350.1	LCS 280-126890/43		280-126890		07/07/2012 11:19	1	TAL DEN	BQW
P:351.2	LCS 280-127380/1-A		280-127774	280-127380	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	LCS 280-127380/1-A		280-127774	280-127380	07/13/2012 19:16	1	TAL DEN	MW
A:410.4	LCS 280-125624/3		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	LCS 280-125527/5		280-125527		06/22/2012 09:45	1	TAL DEN	TLP
A:9056A	LCS 280-125528/5		280-125528		06/22/2012 09:45	1	TAL DEN	TLP
A:9060A	LCS 280-128057/32		280-128057		07/17/2012 03:04	1	TAL DEN	DFB
A:SM 2320B	LCS 280-125734/31		280-125734		06/26/2012 10:56	1	TAL DEN	BMG
A:SM 2320B	LCS 280-125734/61		280-125734		06/26/2012 13:25	1	TAL DEN	BMG
A:SM 2340C	LCS 280-128017/2		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	LCS 280-125751/2		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM5210B	LCS 280-125222/4		280-125222		06/22/2012 11:55	1	TAL DEN	DA

Lab ID: LCSD **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCSD 280-126520/7		280-126520		07/03/2012 08:05	1	TAL DEN	MD
A:8260B/DoD	LCSD 280-126520/7		280-126520		07/03/2012 08:05	1	TAL DEN	MD
A:350.1	LCSD 280-126890/44		280-126890		07/07/2012 11:20	1	TAL DEN	BQW
P:351.2	LCSD 280-127380/2-A		280-127774	280-127380	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	LCSD 280-127380/2-A		280-127774	280-127380	07/13/2012 19:18	1	TAL DEN	MW
A:410.4	LCSD 280-125624/4		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	LCSD 280-125527/6		280-125527		06/22/2012 10:02	1	TAL DEN	TLP
A:9056A	LCSD 280-125528/6		280-125528		06/22/2012 10:02	1	TAL DEN	TLP
A:9060A	LCSD 280-128057/33		280-128057		07/17/2012 03:25	1	TAL DEN	DFB
A:SM 2320B	LCSD 280-125734/32		280-125734		06/26/2012 11:01	1	TAL DEN	BMG
A:SM 2320B	LCSD 280-125734/62		280-125734		06/26/2012 13:30	1	TAL DEN	BMG
A:SM 2340C	LCSD 280-128017/3		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	LCSD 280-125751/3		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM5210B	LCSD 280-125222/5		280-125222		06/22/2012 11:55	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30335-1

Laboratory Chronicle

Lab ID: **MRL** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	MRL 280-126890/18		280-126890		07/07/2012 10:41	1	TAL DEN	BQW
A:9056A	MRL 280-125527/3		280-125527		06/22/2012 09:12	1	TAL DEN	TLP
A:9056A	MRL 280-125528/4		280-125528		06/22/2012 09:28	1	TAL DEN	TLP

Lab References:

TAL DEN = TestAmerica Denver

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Alk daily lcs_00253	06/26/12	06/25/12	Di Water, Lot na	1000 mL	Alk stk std_00003	4 mg/L	Alkalinity	200 mg/L
.Alk stk std_00003	02/01/13	Fischer, Lot 110214			(Purchased Reagent)		Alkalinity	50 g/L
BOD Daily LCS_00526	06/22/12	06/22/12	BOD Dilution H20, Lot na	300 mL	BOD LCS INT_00498	6 mg/L	Biochemical Oxygen Demand	198 mg/L
.BOD LCS INT_00498	06/22/12	06/22/12	Di Water, Lot na	1000 mL	BOD Dextrose_00006	4.95 mg/L	Biochemical Oxygen Demand	9900 mg/L
					BOD Glutamic_00008	4.95 mg/L	Biochemical Oxygen Demand	9900 mg/L
..BOD Dextrose_00006	07/31/12	Fisher, Lot 110346			(Purchased Reagent)		Biochemical Oxygen Demand	1 g/g
..BOD Glutamic_00008	11/16/16	Fisher, Lot 103647a			(Purchased Reagent)		Biochemical Oxygen Demand	1 g/g
COD cal std_00014	10/31/13	Ricca, Lot 1204273			(Purchased Reagent)		Chemical Oxygen Demand	1000 mg/L
COD icv std_00009	05/31/13	HACH, Lot A2132			(Purchased Reagent)		Chemical Oxygen Demand	1000 mg/L
cod ms/msd_00006	02/01/13	Chemetrics, Lot 78777			(Purchased Reagent)		Chemical Oxygen Demand	10000 mg/L
Hard lcs std_00022	01/19/14	Lab Chem, Lot B017-22			(Purchased Reagent)		Hardness as calcium carbonate	1.008 mg/mL
IC CAL INT1_00159	06/26/12	06/19/12	Di Water, Lot na	100 mL	IC Br cal_00005	5 mL	Bromide	50 mg/L
					IC CL cal_00008	25 mL	Chloride	250 mg/L
					IC FL cal_00004	5 mL	Fluoride	50 mg/L
					IC N02 CAL_00020	5 mL	Nitrite as N	50 mg/L
					IC N03 cal_00008	5 mL	Nitrate as N	50 mg/L
					IC P04 cal_00008	5 mL	Orthophosphate as P	50 mg/L
					IC sulfatecal_00007	25 mL	Sulfate	250 mg/L
.IC Br cal_00005	07/30/12	Ricca, Lot 4101497			(Purchased Reagent)		Bromide	1000 mg/L
.IC CL cal_00008	09/30/12	Ricca, Lot 1103357			(Purchased Reagent)		Chloride	1000 mg/L
.IC FL cal_00004	11/30/12	Ricca, Lot 4106066			(Purchased Reagent)		Fluoride	1000 mg/L
.IC N02 CAL_00020	08/31/12	RICCA, Lot 1202582			(Purchased Reagent)		Nitrite as N	1000 ppm
.IC N03 cal_00008	11/30/12	Ricca, Lot 1105365			(Purchased Reagent)		Nitrate as N	1000 mg/L
.IC P04 cal_00008	09/30/13	Ricca, Lot 4110047			(Purchased Reagent)		Orthophosphate as P	1000 mg/L
.IC sulfatecal_00007	01/31/13	RICCA, Lot 2108045			(Purchased Reagent)		Sulfate	1000 mg/L
IC daily cal_00821	06/23/12	06/22/12	Di Water, Lot na	100 mL	IC CAL INT1_00159	10 mL	Bromide	5 mg/L
							Chloride	25 mg/L
							Fluoride	5 mg/L
							Nitrite as N	5 mg/L
							Nitrate as N	5 mg/L
							Orthophosphate as P	5 mg/L
							Sulfate	25 mg/L
.IC CAL INT1_00159	06/26/12	06/19/12	Di Water, Lot na	100 mL	IC Br cal_00005	5 mL	Bromide	50 mg/L
					IC CL cal_00008	25 mL	Chloride	250 mg/L
					IC FL cal_00004	5 mL	Fluoride	50 mg/L
					IC N02 CAL_00020	5 mL	Nitrite as N	50 mg/L
					IC N03 cal_00008	5 mL	Nitrate as N	50 mg/L
					IC P04 cal_00008	5 mL	Orthophosphate as P	50 mg/L
					IC sulfatecal_00007	25 mL	Sulfate	250 mg/L
..IC Br cal_00005	07/30/12	Ricca, Lot 4101497			(Purchased Reagent)		Bromide	1000 mg/L
..IC CL cal_00008	09/30/12	Ricca, Lot 1103357			(Purchased Reagent)		Chloride	1000 mg/L
..IC FL cal_00004	11/30/12	Ricca, Lot 4106066			(Purchased Reagent)		Fluoride	1000 mg/L
..IC N02 CAL_00020	08/31/12	RICCA, Lot 1202582			(Purchased Reagent)		Nitrite as N	1000 ppm
..IC N03 cal_00008	11/30/12	Ricca, Lot 1105365			(Purchased Reagent)		Nitrate as N	1000 mg/L
..IC P04 cal_00008	09/30/13	Ricca, Lot 4110047			(Purchased Reagent)		Orthophosphate as P	1000 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..IC sulfatecal_00007	01/31/13		RICCA, Lot 2108045		(Purchased Reagent)		Sulfate	1000 mg/L
IC ICV daily_00821	06/23/12	06/22/12	Di Water, Lot na	25 mL	IC ICV weekly_00153	1 mL	Bromide	2 mg/L
							Chloride	10 mg/L
							Fluoride	2 mg/L
							Nitrite as N	2 mg/L
							Nitrate as N	2 mg/L
							Orthophosphate as P	2 mg/L
							Sulfate	10 mg/L
.IC ICV weekly_00153	06/26/12	06/19/12	Di Water, Lot na	10 mL	IC BR ICV_00005	0.5 mL	Bromide	50 mg/L
					IC CL ICV_00004	2.5 mL	Chloride	250 mg/L
					IC F ICV_00003	0.5 mL	Fluoride	50 mg/L
					IC NO2 ICV_00004	0.5 mL	Nitrite as N	50 mg/L
					IC NO3 ICV_00003	0.5 mL	Nitrate as N	50 mg/L
					IC PO4 ICV_00006	0.5 mL	Orthophosphate as P	50 mg/L
					IC SO4 ICV_00004	2.5 mL	Sulfate	250 mg/L
..IC BR ICV_00005	02/28/13		SPEX, Lot 2-89br-2		(Purchased Reagent)		Bromide	1000 mg/L
..IC CL ICV_00004	07/15/13		LAB CHEM, Lot A195-13		(Purchased Reagent)		Chloride	1000 mg/L
..IC F ICV_00003	06/28/12		LAB CHEM, Lot 0169-19		(Purchased Reagent)		Fluoride	1000 mg/L
..IC NO2 ICV_00004	06/29/13		ERA, Lot 250611		(Purchased Reagent)		Nitrite as N	1000 mg/L
..IC NO3 ICV_00003	11/09/12		LAB CHEM, Lot 0312-12		(Purchased Reagent)		Nitrate as N	1000 mg/L
..IC PO4 ICV_00006	01/17/13		LAB CHEM, Lot A014-13		(Purchased Reagent)		Orthophosphate as P	1000 mg/L
..IC SO4 ICV_00004	07/15/13		LAB CHEM, Lot A195-12		(Purchased Reagent)		Sulfate	1000 mg/L
ICMS/MSD WEEK_00145	06/26/12	06/19/12	Di Water, Lot NA	10 mL	IC SPK 6 ANIO_00011	5 mL	Bromide	499.962 mg/L
							Chloride	2499.92 mg/L
							Fluoride	499.957 mg/L
							Nitrate as N	499.995 mg/L
							Orthophosphate as P	500.069 mg/L
							Sulfate	2500.26 mg/L
					IC SPK N02SOL_00005	5 mL	Nitrite as N	499.973 mg/L
.IC SPK 6 ANIO_00011	08/13/12	02/07/12	Di Water, Lot NA	1000 mL	IC MS/MSD Br_00003	1.2877 g	Bromide	999.925 mg/L
					IC MS/MSD CL_00001	8.2424 g	Chloride	4999.84 mg/L
					IC MS/MSD F_00002	2.21 g	Fluoride	999.914 mg/L
					IC MS/MSD N03_00003	6.0679 g	Nitrate as N	999.99 mg/L
					IC MS/MSD P04_00001	4.3937 g	Orthophosphate as P	1000.14 mg/L
					IC MS/MSD S04_00002	9.0704 g	Sulfate	5000.51 mg/L
..IC MS/MSD Br_00003	09/29/21		FISHER, Lot 110569		(Purchased Reagent)		Bromide	0.77652 g/g
..IC MS/MSD CL_00001	05/22/13		FISHER, Lot C32068		(Purchased Reagent)		Chloride	0.6066 g/g
..IC MS/MSD F_00002	09/29/21		FISHER, Lot 110901		(Purchased Reagent)		Fluoride	0.45245 g/g
..IC MS/MSD N03_00003	10/02/16		FISHER, Lot 035600		(Purchased Reagent)		Nitrate as N	0.1648 g/g
..IC MS/MSD P04_00001	04/24/17		FISHER, Lot 063408		(Purchased Reagent)		Orthophosphate as P	0.22763 g/g
..IC MS/MSD S04_00002	02/21/14		BAKER, Lot G29146		(Purchased Reagent)		Sulfate	0.5513 g/g
.IC SPK N02SOL_00005	02/07/13	02/07/12	Di Water, Lot na	500 mL	IC MS/MSD N02_00001	2.4628 g	Nitrite as N	999.946 mg/L
..IC MS/MSD N02_00001	06/09/17		fisher, Lot 041304		(Purchased Reagent)		Nitrite as N	0.20301 g/g
MV-2 Cleve_00012	10/28/12	04/28/12	P&T Methanol, Lot DE977	10 mL	MV-30265_00015	200 uL	2-Chloroethyl vinyl ether	40 ug/mL
.MV-30265_00015	01/31/16		RESTEK, Lot A079020		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
MV-524 A_00014	09/30/12	03/14/12	Methanol, Lot df233	10 mL	MV-DWM589N_00041	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MT-[illegible]1208_00027	400 uL	1-Chlorohexane	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MV-STS440_00035	200 uL	Methyl tert-butyl ether	40 ug/mL
.MV-DWM589N_00041	12/31/13		Ultra Scientific, Lot CG-3928		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-EPA1208_00027	10/31/12	Ultra Scientific, Lot CF-3752			(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
.MV-STS440_00035	01/31/15	Ultra, Lot cc-4444			(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
MV-624 A_00018	12/19/12	06/19/12	Methanol, Lot DF369	10 mL	MV-567117_00001	0.2 mL	Carbon disulfide	40 ug/mL
.MV-567117_00001	05/31/14	RESTEK, Lot A088372			(Purchased Reagent)		Carbon disulfide	2000 ug/mL
MV-Acetates_00001	09/30/12	06/21/12	P&T Methanol, Lot DG256	10 mL	MV-cus14016_00001	200 uL	Methyl acetate	200 ug/mL
.MV-cus14016_00001	09/30/12	ULTRA, Lot CJ-2028			(Purchased Reagent)		Methyl acetate	10000 ug/mL
MV-Archon IS_00519	11/04/12	Supelco, Lot LB88967			(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
MV-Archon SS_00657	12/11/12	Restek, Lot A087857			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
MV-Archon SS_00664	12/29/12	Restek, Lot A087857			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
MV-Main GasKe_00029	06/22/12	05/22/12	P&T Methanol, Lot DF369	10 mL	MV- Acrolein_00010	100 uL	Acrolein	397.818 ug/mL
					MV-5M06036_00033	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-861149_00048	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
					MV-861149_00049	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
.MV- Acrolein_00010	06/22/12	12/22/11	P&T Methanol, Lot De997	5 mL	MV-48501_00005	0.2038 g	Acrolein	39781.8 ug/mL
..MV-48501_00005	06/30/12	Supelco, Lot LB85669v			(Purchased Reagent)		Acrolein	0.976 mL/mL
.MV-5M06036_00033	11/30/12	Supelco, Lot LB86965			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-861149_00048	11/30/13	Supelco, Lot LB85301			(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
.MV-861149_00049	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
MV-Main GasKe_00031	07/30/12	05/22/12	P&T Methanol, Lot DF369	10 mL	MV-5M06036_00033	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-861149_00048	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-861149_00049	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
.MV-5M06036_00033	11/30/12		Supelco, Lot LB86965		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-861149_00048	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
.MV-861149_00049	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
MV-Main_00023	06/30/12	01/25/12	P&T Methanol, Lot de997	10 mL	MV-1-Ch Hex_00008	10.2 uL	1-Chlorohexane	39.944 ug/mL
					MV-502111_00024	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloroethene, Total	80 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
							Xylenes, Total	120 ug/mL
					MV-506052_00025	200 uL	Iodomethane	40 ug/mL
					MV-861145_00020	200 uL	2-Chloro-1,3-butadiene	40 ug/mL
					MV-CUS11338_00029	500 uL	1,4-Dioxane	2000 ug/mL
							2-Methyl-2-propanol	800 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Isobutyl alcohol	800 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl ether	200 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
					MV-CUS11338_00030	500 uL	1,4-Dioxane	2000 ug/mL
							2-Methyl-2-propanol	800 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Isobutyl alcohol	800 ug/mL
							Isopropyl ether	200 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
.MV-1-Ch Hex_00008	07/25/12	01/25/12	P&T Methanol, Lot dd946	5 mL	MV-442258_00002	0.196 g	1-Chlorohexane	39160.8 ug/mL
..MV-442258_00002	07/31/13		Supelco, Lot LB77927		(Purchased Reagent)		1-Chlorohexane	0.999 mL/mL
.MV-502111_00024	04/30/13		Supelco, Lot LB83949		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	6000 ug/mL
.MV-506052_00025	01/31/13		Supelco, Lot LB89742		(Purchased Reagent)		Iodomethane	2000 ug/mL
.MV-861145_00020	06/30/12		Supelco, Lot LB85068		(Purchased Reagent)		2-Chloro-1,3-butadiene	2000 ug/mL
.MV-CUS11338_00029	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							2-Methyl-2-propanol	8000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Ethanol	20000 ug/mL
							Isobutyl alcohol	8000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	4000 ug/mL
							Propionitrile	4000 ug/mL
.MV-CUS11338_00030	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							2-Methyl-2-propanol	8000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Ethanol	20000 ug/mL
							Isobutyl alcohol	8000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	4000 ug/mL
							Propionitrile	4000 ug/mL
MV-Main_00024	12/22/12	06/22/12	P&T Methanol, Lot dg256	10 mL	MV-1-Ch Hex_00009	10 uL	1-Chlorohexane	40.999 ug/mL
					MV-502111_00025	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-CUS11338_00033	500 uL	1,4-Dioxane	2000 ug/mL
					MV-CUS11338_00034	500 uL	1,4-Dioxane	2000 ug/mL
.MV-1-Ch Hex_00009	12/22/12	06/22/12	P&T Methanol, Lot dg256	5 mL	MV-442258_00003	0.2052 g	1-Chlorohexane	40999 ug/mL
..MV-442258_00003	11/30/14	Supelco, Lot LB89038v			(Purchased Reagent)		1-Chlorohexane	0.999 mL/mL
.MV-502111_00025	04/30/13	Supelco, Lot LB83949			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MV-CUS11338_00033	11/30/13	Ultra, Lot CH-3475			(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
.MV-CUS11338_00034	11/30/13	Ultra, Lot CH-3475			(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
MV-SecSrc B_00007	10/18/12	04/18/12	P&T Methanol, Lot df233	5 mL	MV-8240CR310x_00014	100 uL	1,4-Dioxane	800 ug/mL
.MV-8240CR310x_00014	10/25/13	AccuStandard, Lot 210041266			(Purchased Reagent)		1,4-Dioxane	40000 ug/mL
MV-SS GasKe_00020	12/01/12	06/01/12	P&T Methanol, Lot De997	10 mL	MV-30006_00035	320 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-5s06036_00018	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MV-30006_00035	04/30/14	Restek, Lot A079446			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
.MV-5s06036_00018	02/28/15	Supelco, Lot LB92231			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MV-SS Supp_00011	05/20/12	02/17/12	P&T Methanol, Lot de997	5 mL	MV-562811_00013	100 uL	Methyl acetate	200 ug/mL
					MV-564150_00011	100 uL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
.MV-562811_00013	07/31/13	RESTEK, Lot A086189			(Purchased Reagent)		Methyl acetate	10000 ug/mL
.MV-564150_00011	05/30/12	RESTEK, Lot A081643			(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
MV-Supp Std_00023	12/19/12	05/17/12	P&T Methanol, Lot DF700	10 mL	MV-562811_00013	200 uL	Ethyl acetate	80 ug/mL
							Methyl acetate	200 ug/mL
							Vinyl acetate	80 ug/mL
					MV-564150_00012	200 uL	1,1,1-Trifluoro-2,2-dichloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							2-Nitropropane	40 ug/mL
							2-Pentanone	160 ug/mL
							3-Chloro-1-propene	40 ug/mL
							Carbon disulfide	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,4-Dichloro-2-butene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dichlorofluoromethane	40 ug/mL
							Ethyl ether	40 ug/mL
							Ethyl methacrylate	80 ug/mL
							Hexane	40 ug/mL
							Isopropyl alcohol	800 ug/mL
							Methyl methacrylate	80 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							Tert-amyl methyl ether	200 ug/mL
							Tert-butyl ethyl ether	200 ug/mL
							Tetrahydrofuran	80 ug/mL
							trans-1,4-Dichloro-2-butene	40 ug/mL
					MV-565364_00010	1000 uL	Propene oxide	2000 ug/mL
					MV-565364_00012	1000 uL	Propene oxide	2000 ug/mL
					MV-CUS13060_00013	240 uL	sec-Butyl Alcohol	1205.76 ug/mL
.MV-562811_00013	07/31/13		RESTEK, Lot A086189		(Purchased Reagent)		Ethyl acetate	4000 ug/mL
							Methyl acetate	10000 ug/mL
							Vinyl acetate	4000 ug/mL
.MV-564150_00012	01/30/13		RESTEK, Lot A086228		(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							2-Nitropropane	2000 ug/mL
							2-Pentanone	8000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							cis-1,4-Dichloro-2-butene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	4000 ug/mL
							Hexane	2000 ug/mL
							Isopropyl alcohol	40000 ug/mL
							Methyl methacrylate	4000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Tert-amyl methyl ether	10000 ug/mL
							Tert-butyl ethyl ether	10000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
.MV-565364_00010	02/28/13		RESTEK, Lot A086529		(Purchased Reagent)		Propene oxide	10000 ug/mL
.MV-565364_00012	02/28/13		RESTEK, Lot A086529		(Purchased Reagent)		Propene oxide	10000 ug/mL
.MV-CUS13060_00013	05/31/13		Ultra, Lot CH-1383		(Purchased Reagent)		sec-Butyl Alcohol	50240 ug/mL
MV-Supp Std_00025	10/02/12	06/19/12	P&T Methanol, Lot DF700	10 mL	MV-CUS14015_00001	200 uL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylcyclohexane	40 ug/mL
.MV-CUS14015_00001	07/31/13	Ultra, Lot CJ-2219			(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
NXN CAL INT_00154	07/09/12	07/02/12	Di Water, Lot NA	100 mL	NH3 CAL STD_00014	10 mg/L	Ammonia	100 mg/L
.NH3 CAL STD_00014	02/28/13	Ricca, Lot 1108313			(Purchased Reagent)		Ammonia	1000 mg/L
NXN ICV INT_00148	07/09/12	07/02/12	Di Water, Lot NA	100 mL	NH3 ICV STD_00011	10 mg/L	Ammonia	100 mg/L
.NH3 ICV STD_00011	01/27/14	LAB CHEM, Lot b025-07			(Purchased Reagent)		Ammonia	1000 mg/L
TDS LCS_00279	09/25/12	06/25/12	Di Water, Lot na	1000 mL	NaCl f_00004	0.5018 g	Total Dissolved Solids	501.8 mg/L
.NaCl f_00004	04/14/21	JT Baker, Lot J48622			(Purchased Reagent)		Total Dissolved Solids	1 g/g
TKN 25ppm_00097	07/12/12	07/11/12	Di Water, Lot 1	100 mL	TKN 100PPM_00008	25 mL	Nitrogen, Kjeldahl	25 mg/L
.TKN 100PPM_00008	08/16/12	06/16/12	Di Water, Lot 1	500 mL	TKN CAL STD_00003	50 mL	Nitrogen, Kjeldahl	100 mg/L
..TKN CAL STD_00003	06/24/13	Lab Chem, Lot A174-20			(Purchased Reagent)		Nitrogen, Kjeldahl	1000 mg/L
TKN ICV_00003	12/31/14	ERA, Lot P200-525			(Purchased Reagent)		Nitrogen, Kjeldahl	9.92 mg/L
TOC ICV Std_00012	01/31/13	Ricca, Lot 1201330			(Purchased Reagent)		Total Organic Carbon - Quad	1000 ppm
TOC LCS Std_00013	11/30/13	Ultra Scientific, Lot M01122			(Purchased Reagent)		Total Organic Carbon - Quad	1000 ppm

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB LF1 LTM

TestAmerica Job ID: 280-30335-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alabama	State Program	4	40730
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAC	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAC	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAC	7	E-10166
TestAmerica Denver	Louisiana	NELAC	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAC	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Hampshire	NELAC	1	205310
TestAmerica Denver	New Jersey	NELAC	2	CO004
TestAmerica Denver	New Mexico	State Program	6	N/A
TestAmerica Denver	New York	NELAC	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAC	10	CO200001
TestAmerica Denver	Pennsylvania	NELAC	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Tennessee	State Program	4	TN02944
TestAmerica Denver	Texas	NELAC	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-08-00036
TestAmerica Denver	Utah	NELAC	8	QUAN5
TestAmerica Denver	Virginia	NELAC	3	
TestAmerica Denver	Washington	State Program	10	C1284
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
LF1P0213UA	280-30335-1	91	85	104	100
LF1M1111UA	280-30335-3	93	84	107	98
062112UE	280-30335-6	88	82	102	94
062112UF	280-30335-7	91	85	105	99
062112UR	280-30335-8	89	87	106	101
	MB 280-126338/7	91	86	106	98
	MB 280-126520/8	93	86	106	94
	LCS 280-126338/6	90	83	100	89
	LCS 280-126520/6	100	93	102	90
	LCSD 280-126520/7	94	85	103	87

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6862.D

Lab ID: LCS 280-126338/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.44	89	80-130	
1,1,1-Trichloroethane	5.00	4.14	83	65-130	
1,2,3-Trichloropropane	5.00	4.69	94	75-125	
1,2,3-Trichlorobenzene	5.00	4.45	89	55-140	
1,1-Dichloroethane	5.00	4.55	91	70-135	
1,2,4-Trichlorobenzene	5.00	4.42	88	65-135	
1,2-Dibromo-3-Chloropropane	5.00	4.42 J	88	50-130	
1,1-Dichloropropene	5.00	4.53	91	75-130	
1,1-Dichloroethene	5.00	4.74	95	70-130	
1,1,2-Trichloroethane	5.00	4.67	93	75-125	
1,1,2,2-Tetrachloroethane	5.00	4.55	91	65-130	
1,2,4-Trimethylbenzene	5.00	4.42	88	75-130	
1,2-Dichlorobenzene	5.00	4.59	92	70-120	
1,2-Dichloroethane	5.00	4.76	95	70-130	
1,3-Dichlorobenzene	5.00	4.60	92	75-125	
1,3-Dichloropropane	5.00	4.55	91	75-125	
1,3,5-Trimethylbenzene	5.00	4.51	90	75-130	
2-Butanone (MEK)	20.0	28.0	140	30-150	
1,4-Dichlorobenzene	5.00	4.58	92	75-125	
1,2-Dichloropropane	5.00	4.61	92	75-125	
2,2-Dichloropropane	5.00	4.36	87	70-135	
2-Hexanone	20.0	22.4	112	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	22.0	110	60-135	
4-Isopropyltoluene	5.00	4.53	91	75-130	
Benzene	5.00	4.47	89	80-120	
Acetone	20.0	23.2	116	40-140	
Bromobenzene	5.00	4.60	92	75-125	
Bromoform	5.00	4.55	91	70-130	
Bromomethane	5.00	4.95	99	30-145	
Carbon tetrachloride	5.00	4.29	86	65-140	
Carbon disulfide	5.00	4.43	89	35-160	
2-Chlorotoluene	5.00	4.70	94	75-125	
4-Chlorotoluene	5.00	4.80	96	75-130	
Chlorobenzene	5.00	4.48	90	80-120	
Chlorobromomethane	5.00	4.47	89	65-130	
Chlorodibromomethane	5.00	4.49	90	60-135	
Chloroform	5.00	4.23	85	65-135	
Chloroethane	5.00	4.41	88	60-135	
Chloromethane	5.00	4.55	91	40-125	
cis-1,2-Dichloroethene	5.00	4.52	90	70-125	
cis-1,3-Dichloropropene	5.00	4.38	88	70-130	
Dibromomethane	5.00	4.48	90	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6862.D

Lab ID: LCS 280-126338/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorobromomethane	5.00	4.31	86	75-120	
Dichlorodifluoromethane	5.00	4.47	89	30-155	
Ethylbenzene	5.00	4.75	95	75-125	
Hexachlorobutadiene	5.00	4.29	86	50-140	
Isopropylbenzene	5.00	4.60	92	75-125	
Ethylene Dibromide	5.00	4.55	91	80-120	
Methylene Chloride	5.00	4.55 J	91	55-140	
Methyl tert-butyl ether	5.00	4.29 J	86	65-125	
m-Xylene & p-Xylene	10.0	9.26	93	75-130	
Naphthalene	5.00	4.29	86	55-140	
n-Butylbenzene	5.00	4.65	93	70-135	
N-Propylbenzene	5.00	4.70	94	70-130	
o-Xylene	5.00	4.67	93	80-120	
Styrene	5.00	4.39	88	65-135	
sec-Butylbenzene	5.00	4.69	94	70-125	
tert-Butylbenzene	5.00	4.55	91	70-130	
trans-1,2-Dichloroethene	5.00	4.54	91	60-140	
trans-1,3-Dichloropropene	5.00	4.45	89	55-140	
Tetrachloroethene	5.00	4.59	92	45-150	
Toluene	5.00	4.55	91	75-120	
Trichloroethene	5.00	4.59	92	70-125	
Trichlorofluoromethane	5.00	4.81	96	60-145	
Vinyl chloride	5.00	4.60	92	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6924.D

Lab ID: LCS 280-126520/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.20	84	80-130	
1,1,1-Trichloroethane	5.00	4.14	83	65-130	
1,2,3-Trichloropropane	5.00	4.42	88	75-125	
1,2,3-Trichlorobenzene	5.00	4.08	82	55-140	
1,1-Dichloroethane	5.00	4.54	91	70-135	
1,2,4-Trichlorobenzene	5.00	4.07	81	65-135	
1,2-Dibromo-3-Chloropropane	5.00	3.94 J	79	50-130	
1,1-Dichloropropene	5.00	4.04	81	75-130	
1,1-Dichloroethene	5.00	4.54	91	70-130	
1,1,2-Trichloroethane	5.00	4.58	92	75-125	
1,1,2,2-Tetrachloroethane	5.00	4.26	85	65-130	
1,2,4-Trimethylbenzene	5.00	4.17	83	75-130	
1,2-Dichlorobenzene	5.00	4.42	88	70-120	
1,2-Dichloroethane	5.00	4.70	94	70-130	
1,3-Dichlorobenzene	5.00	4.48	90	75-125	
1,3-Dichloropropane	5.00	4.37	87	75-125	
1,3,5-Trimethylbenzene	5.00	4.08	82	75-130	
2-Butanone (MEK)	20.0	25.4	127	30-150	
1,4-Dichlorobenzene	5.00	4.46	89	75-125	
1,2-Dichloropropane	5.00	4.36	87	75-125	
2,2-Dichloropropane	5.00	4.34	87	70-135	
2-Hexanone	20.0	19.3	97	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	19.7	99	60-135	
4-Isopropyltoluene	5.00	4.11	82	75-130	
Benzene	5.00	4.30	86	80-120	
Acetone	20.0	25.3	126	40-140	
Bromobenzene	5.00	4.47	89	75-125	
Bromoform	5.00	4.40	88	70-130	
Bromomethane	5.00	4.66	93	30-145	
Carbon tetrachloride	5.00	4.16	83	65-140	
Carbon disulfide	5.00	4.47	89	35-160	
2-Chlorotoluene	5.00	4.38	88	75-125	
4-Chlorotoluene	5.00	4.45	89	75-130	
Chlorobenzene	5.00	4.36	87	80-120	
Chlorobromomethane	5.00	4.47	89	65-130	
Chlorodibromomethane	5.00	4.34	87	60-135	
Chloroform	5.00	4.14	83	65-135	
Chloroethane	5.00	4.28	86	60-135	
Chloromethane	5.00	4.41	88	40-125	
cis-1,2-Dichloroethene	5.00	4.51	90	70-125	
cis-1,3-Dichloropropene	5.00	4.19	84	70-130	
Dibromomethane	5.00	4.63	93	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6924.D

Lab ID: LCS 280-126520/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorobromomethane	5.00	4.21	84	75-120	
Dichlorodifluoromethane	5.00	4.65	93	30-155	
Ethylbenzene	5.00	4.39	88	75-125	
Hexachlorobutadiene	5.00	4.02	80	50-140	
Isopropylbenzene	5.00	4.16	83	75-125	
Ethylene Dibromide	5.00	4.48	90	80-120	
Methylene Chloride	5.00	4.92 J	98	55-140	
Methyl tert-butyl ether	5.00	4.15 J	83	65-125	
m-Xylene & p-Xylene	10.0	8.87	89	75-130	
Naphthalene	5.00	3.66	73	55-140	
n-Butylbenzene	5.00	4.27	85	70-135	
N-Propylbenzene	5.00	4.27	85	70-130	
o-Xylene	5.00	4.41	88	80-120	
Styrene	5.00	4.27	85	65-135	
sec-Butylbenzene	5.00	4.39	88	70-125	
tert-Butylbenzene	5.00	4.11	82	70-130	
trans-1,2-Dichloroethene	5.00	4.57	91	60-140	
trans-1,3-Dichloropropene	5.00	4.28	86	55-140	
Tetrachloroethene	5.00	4.48	90	45-150	
Toluene	5.00	4.43	89	75-120	
Trichloroethene	5.00	4.33	87	70-125	
Trichlorofluoromethane	5.00	5.07	101	60-145	
Vinyl chloride	5.00	4.28	86	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6925.D

Lab ID: LCSD 280-126520/7 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.13	83	2	30	80-130	
1,1,1-Trichloroethane	5.00	3.85	77	7	30	65-130	
1,2,3-Trichloropropane	5.00	4.50	90	2	30	75-125	
1,2,3-Trichlorobenzene	5.00	4.11	82	1	30	55-140	
1,1-Dichloroethane	5.00	4.34	87	4	30	70-135	
1,2,4-Trichlorobenzene	5.00	4.15	83	2	30	65-135	
1,2-Dibromo-3-Chloropropane	5.00	4.09 J	82	4	30	50-130	
1,1-Dichloropropene	5.00	4.00	80	1	30	75-130	
1,1-Dichloroethene	5.00	4.35	87	4	30	70-130	
1,1,2-Trichloroethane	5.00	4.45	89	3	30	75-125	
1,1,2,2-Tetrachloroethane	5.00	4.34	87	2	30	65-130	
1,2,4-Trimethylbenzene	5.00	4.07	81	3	30	75-130	
1,2-Dichlorobenzene	5.00	4.07	81	8	30	70-120	
1,2-Dichloroethane	5.00	4.50	90	4	30	70-130	
1,3-Dichlorobenzene	5.00	4.42	88	1	30	75-125	
1,3-Dichloropropane	5.00	4.47	89	2	30	75-125	
1,3,5-Trimethylbenzene	5.00	4.08	82	0	30	75-130	
2-Butanone (MEK)	20.0	26.5	132	4	30	30-150	
1,4-Dichlorobenzene	5.00	4.37	87	2	30	75-125	
1,2-Dichloropropane	5.00	4.46	89	2	30	75-125	
2,2-Dichloropropane	5.00	4.14	83	5	30	70-135	
2-Hexanone	20.0	19.7	99	2	30	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	20.2	101	2	30	60-135	
4-Isopropyltoluene	5.00	4.01	80	2	30	75-130	
Benzene	5.00	4.25	85	1	30	80-120	
Acetone	20.0	23.2	116	9	30	40-140	
Bromobenzene	5.00	4.42	88	1	30	75-125	
Bromoform	5.00	4.36	87	1	30	70-130	
Bromomethane	5.00	4.54	91	3	30	30-145	
Carbon tetrachloride	5.00	4.00	80	4	30	65-140	
Carbon disulfide	5.00	4.45	89	1	30	35-160	
2-Chlorotoluene	5.00	4.28	86	2	30	75-125	
4-Chlorotoluene	5.00	4.44	89	0	30	75-130	
Chlorobenzene	5.00	4.32	86	1	30	80-120	
Chlorobromomethane	5.00	4.33	87	3	30	65-130	
Chlorodibromomethane	5.00	4.33	87	0	30	60-135	
Chloroform	5.00	4.11	82	1	30	65-135	
Chloroethane	5.00	4.00	80	7	30	60-135	
Chloromethane	5.00	4.27	85	3	30	40-125	
cis-1,2-Dichloroethene	5.00	4.37	87	3	30	70-125	
cis-1,3-Dichloropropene	5.00	4.09	82	2	30	70-130	
Dibromomethane	5.00	4.63	93	0	30	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6925.D

Lab ID: LCSD 280-126520/7 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dichlorobromomethane	5.00	4.20	84	0	30	75-120	
Dichlorodifluoromethane	5.00	4.39	88	6	30	30-155	
Ethylbenzene	5.00	4.34	87	1	30	75-125	
Hexachlorobutadiene	5.00	4.02	80	0	30	50-140	
Isopropylbenzene	5.00	4.02	80	3	30	75-125	
Ethylene Dibromide	5.00	4.51	90	1	30	80-120	
Methylene Chloride	5.00	4.79 J	96	3	30	55-140	
Methyl tert-butyl ether	5.00	4.06 J	81	2	30	65-125	
m-Xylene & p-Xylene	10.0	8.87	89	0	30	75-130	
Naphthalene	5.00	3.82	76	4	30	55-140	
n-Butylbenzene	5.00	4.12	82	4	30	70-135	
N-Propylbenzene	5.00	4.23	85	1	30	70-130	
o-Xylene	5.00	4.30	86	2	30	80-120	
Styrene	5.00	4.20	84	2	30	65-135	
sec-Butylbenzene	5.00	4.05	81	8	30	70-125	
tert-Butylbenzene	5.00	4.07	81	1	30	70-130	
trans-1,2-Dichloroethene	5.00	4.37	87	5	30	60-140	
trans-1,3-Dichloropropene	5.00	4.18	84	2	30	55-140	
Tetrachloroethene	5.00	4.42	88	1	30	45-150	
Toluene	5.00	4.31	86	3	30	75-120	
Trichloroethene	5.00	4.25	85	2	30	70-125	
Trichlorofluoromethane	5.00	4.79	96	6	30	60-145	
Vinyl chloride	5.00	3.92	78	9	30	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab File ID: RR6863.D Lab Sample ID: MB 280-126338/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: MSV_R2 Date Analyzed: 07/02/2012 08:56

GC Column: DB-624 (60.25) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-126338/6	RR6862.D	07/02/2012 08:34
LF1P0213UA	280-30335-1	RR6876.D	07/02/2012 13:51
062112UE	280-30335-6	RR6878.D	07/02/2012 14:37
062112UF	280-30335-7	RR6879.D	07/02/2012 15:00
062112UR	280-30335-8	RR6880.D	07/02/2012 15:23

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab File ID: RR6926.D Lab Sample ID: MB 280-126520/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: MSV_R2 Date Analyzed: 07/03/2012 08:29

GC Column: DB-624 (60.25) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-126520/6	RR6924.D	07/03/2012 07:43
	LCSD 280-126520/7	RR6925.D	07/03/2012 08:05
LF1M1111UA	280-30335-3	RR6928.D	07/03/2012 09:14

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab File ID: RR6351.D BFB Injection Date: 06/14/2012

Instrument ID: MSV_R2 BFB Injection Time: 06:38

Analysis Batch No.: 124040

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	49.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.0	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	96.7	
175	5.0 - 9.0 % of mass 174	7.5	(7.7)1
176	95.0 - 101.0 % of mass 174	95.8	(99.1)1
177	5.0 - 9.0 % of mass 176	7.7	(8.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-124040/3	RR6354.D	06/14/2012	07:32
	IC 280-124040/4	RR6355.D	06/14/2012	07:54
	IC 280-124040/5	RR6356.D	06/14/2012	08:17
	ICIS 280-124040/6	RR6357.D	06/14/2012	08:39
	IC 280-124040/7	RR6358.D	06/14/2012	09:01
	IC 280-124040/8	RR6359.D	06/14/2012	09:23
	ICV 280-124040/9	RR6360.D	06/14/2012	09:46

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab File ID: RR6385.D BFB Injection Date: 06/15/2012

Instrument ID: MSV_R2 BFB Injection Time: 06:43

Analysis Batch No.: 124226

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.3	
75	30.0 - 60.0 % of mass 95	49.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.2	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	100.0	
175	5.0 - 9.0 % of mass 174	7.4	(7.4)1
176	95.0 - 101.0 % of mass 174	95.0	(95.0)1
177	5.0 - 9.0 % of mass 176	7.3	(7.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-124226/3	RR6388.D	06/15/2012	07:37
	IC 280-124226/4	RR6389.D	06/15/2012	08:00
	IC 280-124226/5	RR6390.D	06/15/2012	08:22
	IC 280-124226/6	RR6391.D	06/15/2012	08:45
	IC 280-124226/7	RR6392.D	06/15/2012	09:07
	IC 280-124226/8	RR6393.D	06/15/2012	09:30
	IC 280-124226/9	RR6394.D	06/15/2012	09:52
	ICV 280-124226/10	RR6395.D	06/15/2012	10:15
	ICV 280-124226/11	RR6396.D	06/15/2012	10:37
	ICV 280-124226/12	RR6397.D	06/15/2012	11:00
	ICV 280-124226/13	RR6398.D	06/15/2012	11:22

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab File ID: RR6855.D BFB Injection Date: 07/02/2012

Instrument ID: MSV_R2 BFB Injection Time: 06:11

Analysis Batch No.: 126338

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.1	
75	30.0 - 60.0 % of mass 95	46.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	101.5	
175	5.0 - 9.0 % of mass 174	7.4	(7.3)1
176	95.0 - 101.0 % of mass 174	101.5	(99.9)1
177	5.0 - 9.0 % of mass 176	6.8	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-126338/2	RR6857.D	07/02/2012	06:43
	CCV 280-126338/3	RR6859.D	07/02/2012	07:27
	CCV 280-126338/4	RR6860.D	07/02/2012	07:49
	LCS 280-126338/6	RR6862.D	07/02/2012	08:34
	MB 280-126338/7	RR6863.D	07/02/2012	08:56
LF1P0213UA	280-30335-1	RR6876.D	07/02/2012	13:51
062112UE	280-30335-6	RR6878.D	07/02/2012	14:37
062112UF	280-30335-7	RR6879.D	07/02/2012	15:00
062112UR	280-30335-8	RR6880.D	07/02/2012	15:23

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab File ID: RR6918.D BFB Injection Date: 07/03/2012

Instrument ID: MSV_R2 BFB Injection Time: 05:40

Analysis Batch No.: 126520

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.4	
75	30.0 - 60.0 % of mass 95	47.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.4	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	99.1	
175	5.0 - 9.0 % of mass 174	7.2	(7.3)1
176	95.0 - 101.0 % of mass 174	96.1	(97.0)1
177	5.0 - 9.0 % of mass 176	6.2	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-126520/2	RR6920.D	07/03/2012	06:13
	CCV 280-126520/3	RR6921.D	07/03/2012	06:36
	CCV 280-126520/4	RR6922.D	07/03/2012	06:58
	LCS 280-126520/6	RR6924.D	07/03/2012	07:43
	LCSD 280-126520/7	RR6925.D	07/03/2012	08:05
	MB 280-126520/8	RR6926.D	07/03/2012	08:29
LF1M1111UA	280-30335-3	RR6928.D	07/03/2012	09:14

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Sample No.: ICIS 280-124040/6 Date Analyzed: 06/14/2012 08:39

Instrument ID: MSV_R2 GC Column: DB-624 (60.25) ID: 0.25(mm)

Lab File ID (Standard): RR6357.D Heated Purge: (Y/N) N

Calibration ID: 9710

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		976634	8.56	189086	11.43	271569	14.04
UPPER LIMIT		1953268	9.06	378172	11.93	543138	14.54
LOWER LIMIT		488317	8.06	94543	10.93	135785	13.54
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-124040/9		995420	8.56	212474	11.43	296826	14.05
ICV 280-124226/10		1228623	8.56	256376	11.43	350169	14.05
ICV 280-124226/11		1172093	8.57	246742	11.44	371869	14.05
ICV 280-124226/12		1169423	8.57	236834	11.44	347912	14.05
ICV 280-124226/13		1038187	8.56	220666	11.44	311462	14.05
CCV 280-126338/2		1468900	8.56	311657	11.43	472261	14.05
CCV 280-126338/3		1517888	8.57	302470	11.44	421263	14.05
CCV 280-126338/4		1306497	8.56	262206	11.43	368815	14.04
LCS 280-126338/6		1213193	8.56	248180	11.43	378219	14.05
MB 280-126338/7		1175315	8.57	235446	11.44	322611	14.04
280-30335-1	LF1P0213UA	1083563	8.57	221205	11.44	297629	14.05
280-30335-6	062112UE	1067529	8.57	210788	11.44	289143	14.05
280-30335-7	062112UF	1050978	8.57	206219	11.44	276683	14.05
280-30335-8	062112UR	1020602	8.58	207635	11.45	285201	14.06
CCV 280-126520/2		1330236	8.56	272553	11.43	430541	14.04
CCV 280-126520/3		1251197	8.56	248989	11.43	344389	14.04
CCV 280-126520/4		1067316	8.56	219828	11.43	305173	14.04
LCS 280-126520/6		1040621	8.56	219210	11.43	351266	14.04
LCSD 280-126520/7		1094820	8.57	221177	11.44	358518	14.05
MB 280-126520/8		1141743	8.56	224748	11.44	316102	14.05
280-30335-3	LF1M1111UA	1045845	8.56	210884	11.43	295096	14.05

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: LF1P0213UA | Lab Sample ID: 280-30335-1

Matrix: Water | Lab File ID: RR6876.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 11:49

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 13:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.33	J	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	1.6		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.45	J	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	1.1		1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: LF1P0213UA | Lab Sample ID: 280-30335-1

Matrix: Water | Lab File ID: RR6876.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 11:49

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 13:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.56	J	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Client Sample ID: LF1P0213UA Lab Sample ID: 280-30335-1

Matrix: Water Lab File ID: RR6876.D

Analysis Method: 8260B/DoD Date Collected: 06/21/2012 11:49

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 13:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		70-120
460-00-4	4-Bromofluorobenzene (Surr)	100		75-120
1868-53-7	Dibromofluoromethane (Surr)	91		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6876.D
Lab Smp Id: 280-30335-G-1 Client Smp ID: LF1P0213UA
Inj Date : 02-JUL-2012 13:51
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30335-g-1,,PH<2
Misc Info : 280-30335-G-1
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.570	8.566	(1.000)	1083563	12.5000	
* 88	Chlorobenzene-d5	119	11.440	11.435	(1.000)	221205	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.053	14.049	(1.000)	297629	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.968	7.964	(0.930)	383396	10.2208	10.2208
$ 58	1,2-Dichloroethane-d4	65	8.294	8.290	(0.968)	237268	9.52756	9.52756
$ 76	Toluene-d8	98	9.960	9.956	(0.871)	1256293	11.6528	11.6528
$ 99	4-Bromofluorobenzene (Surr)	95	12.751	12.737	(0.907)	346076	11.3015	11.3015
M 2	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 3	Xylene (total)	106	Compound Not Detected.					
7	dichlorodifluoromethane	85	Compound Not Detected.					
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	5.355	5.350	(0.625)	5272	0.29481	0.294811(a)
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
17	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
19	Ethyl Ether	59	5.809	5.805	(0.678)	16869	1.60965	1.60965(a)
20	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	5.809	5.805	(0.678)	15768	38.3425	38.3424
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	8.126	8.122	(0.948)	26828	0.55521	0.555214(a)
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	8.383	8.367	(0.978)	45828	0.45458	0.454580(a)
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	11.479	11.474	(1.003)	69586	1.08614	1.08614
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	14.082	14.077	(1.002)	68472	1.57585	1.57585
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	14.566	14.560	(1.036)	11282	0.33148	0.331484(a)
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

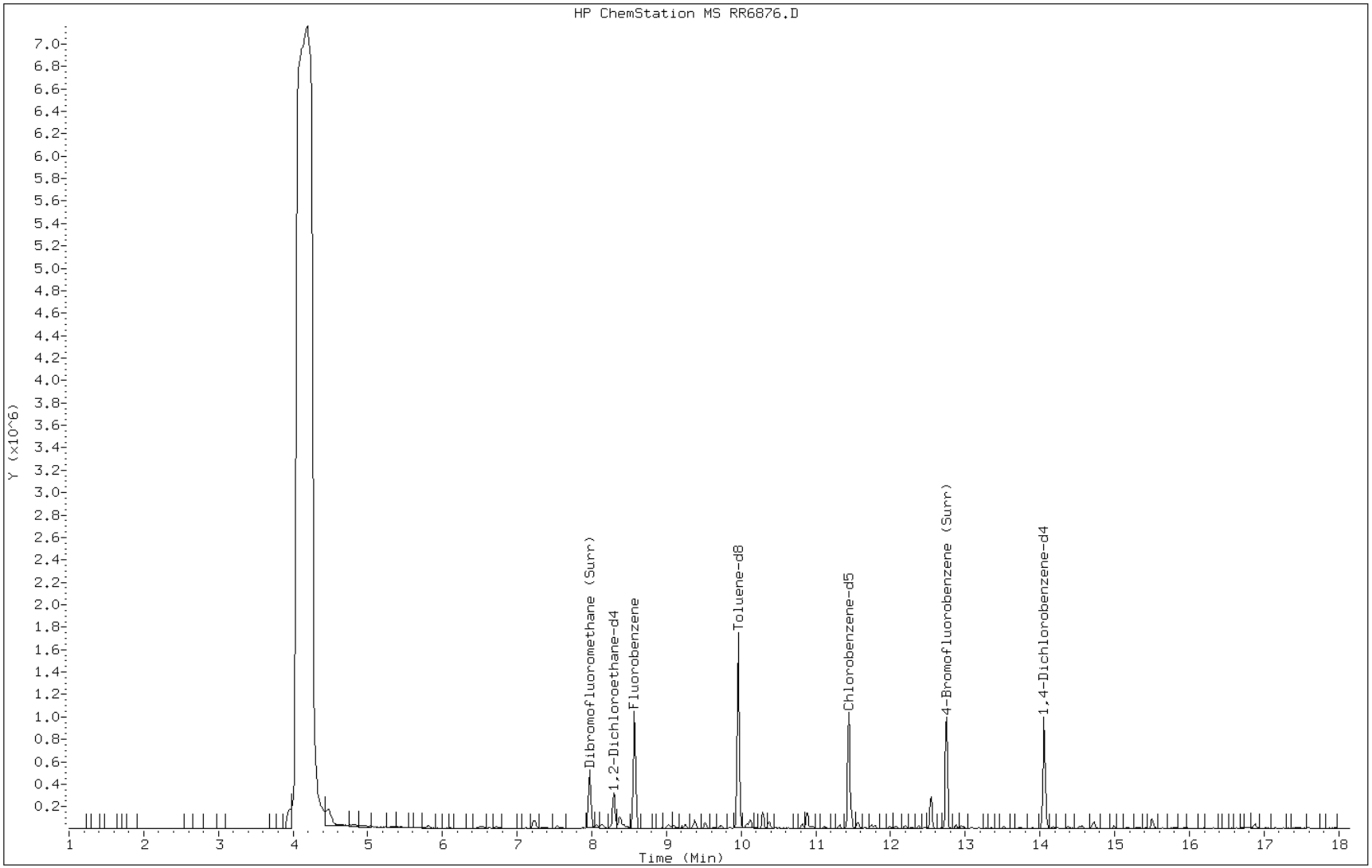
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: RR6876.D

Date: 02-JUL-2012 13:51

Client ID: LF1P0213UA Instrument: R2.i

Sample Info: 280-30335-g-1,,PH<2 Operator: DOBRANSKYM



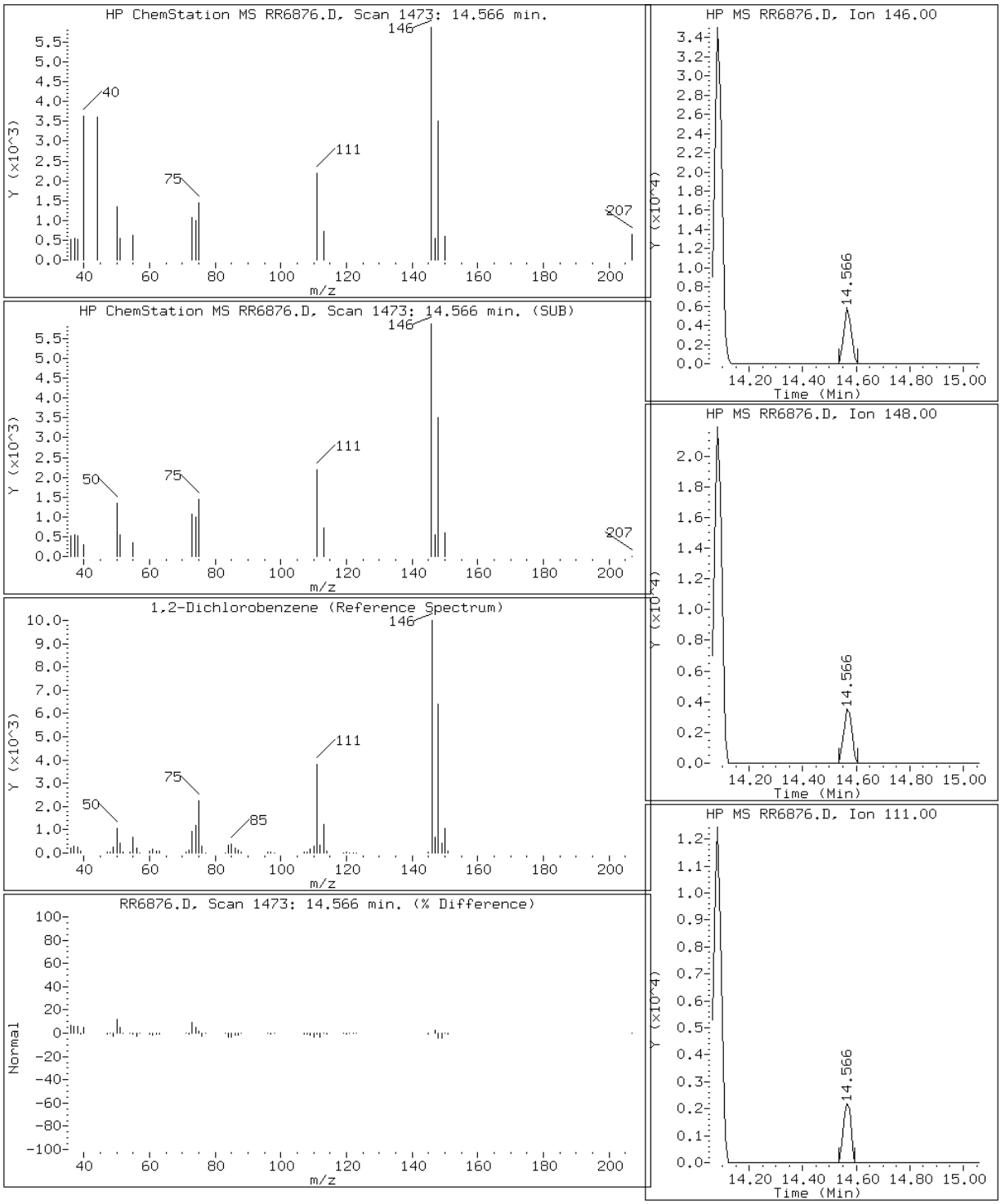
Data File: RR6876.D

Date: 02-JUL-2012 13:51

Client ID: LF1P0213UA Instrument: R2.i

Sample Info: 280-30335-g-1,,PH<2 Operator: DOBRANSKYM

117 1,2-Dichlorobenzene



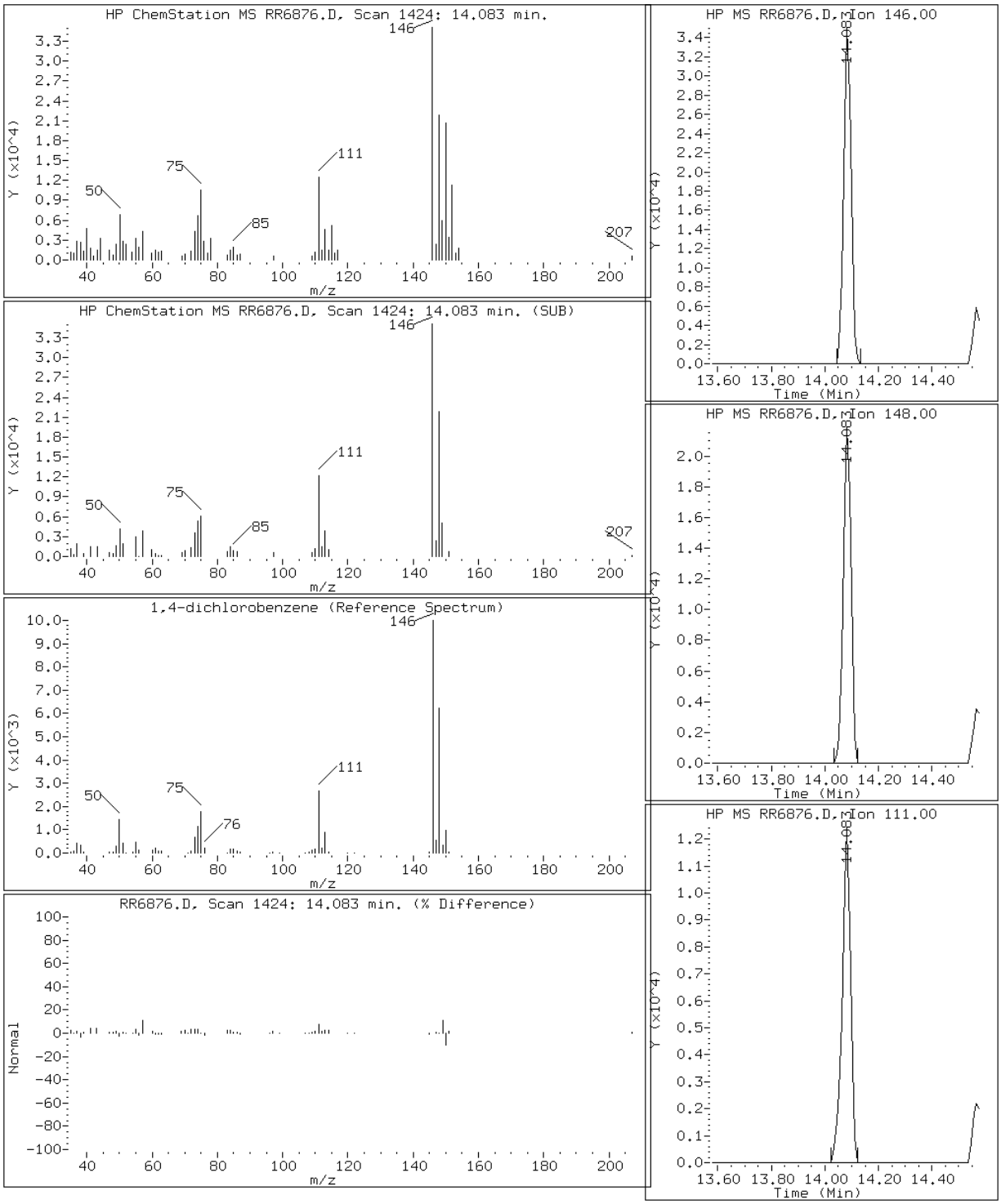
Data File: RR6876.D

Date: 02-JUL-2012 13:51

Client ID: LF1P0213UA Instrument: R2.i

Sample Info: 280-30335-g-1,,PH<2 Operator: DOBRANSKYM

114 1,4-dichlorobenzene



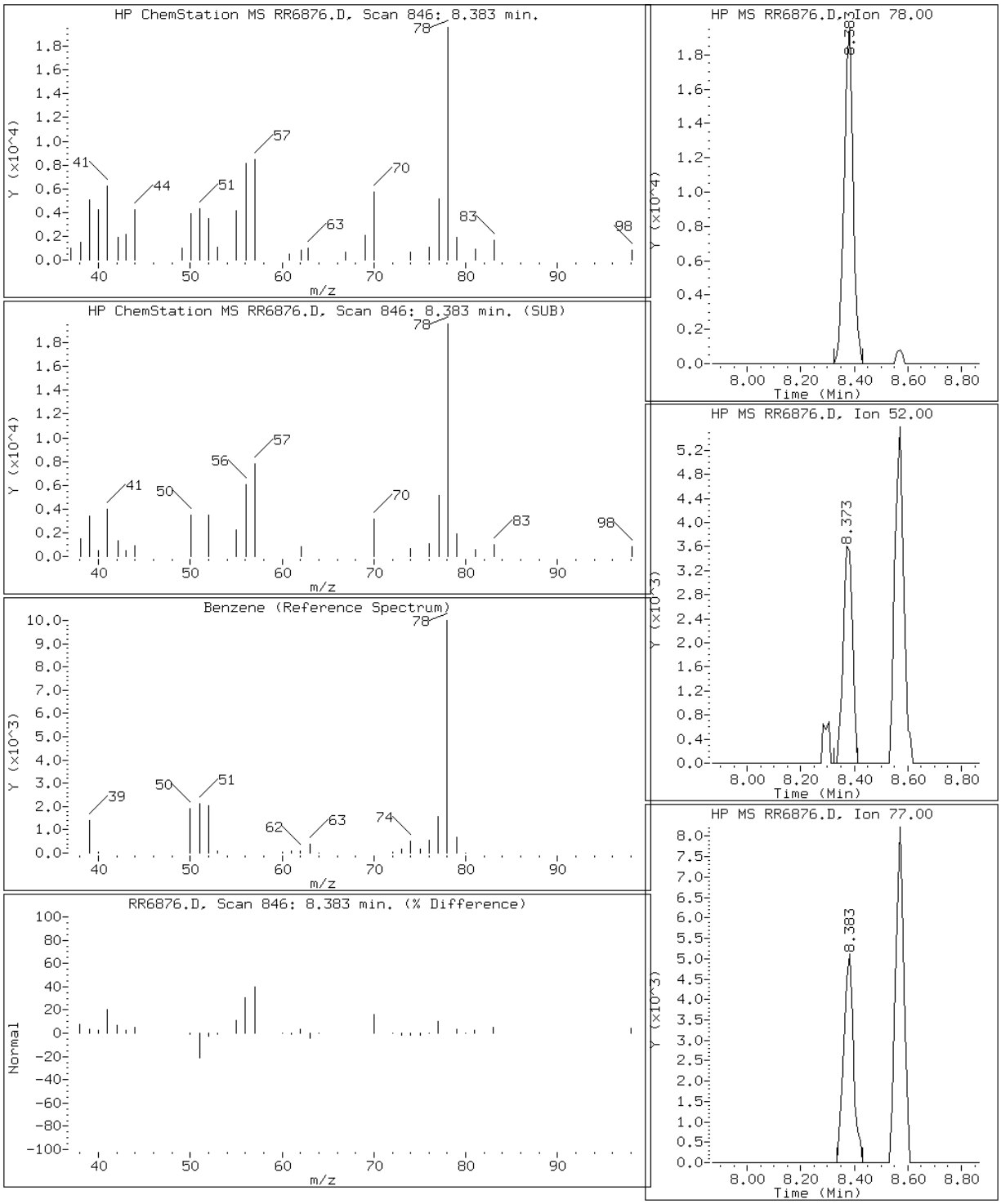
Data File: RR6876.D

Date: 02-JUL-2012 13:51

Client ID: LF1P0213UA Instrument: R2.i

Sample Info: 280-30335-g-1,,PH<2 Operator: DOBRANSKYM

61 Benzene



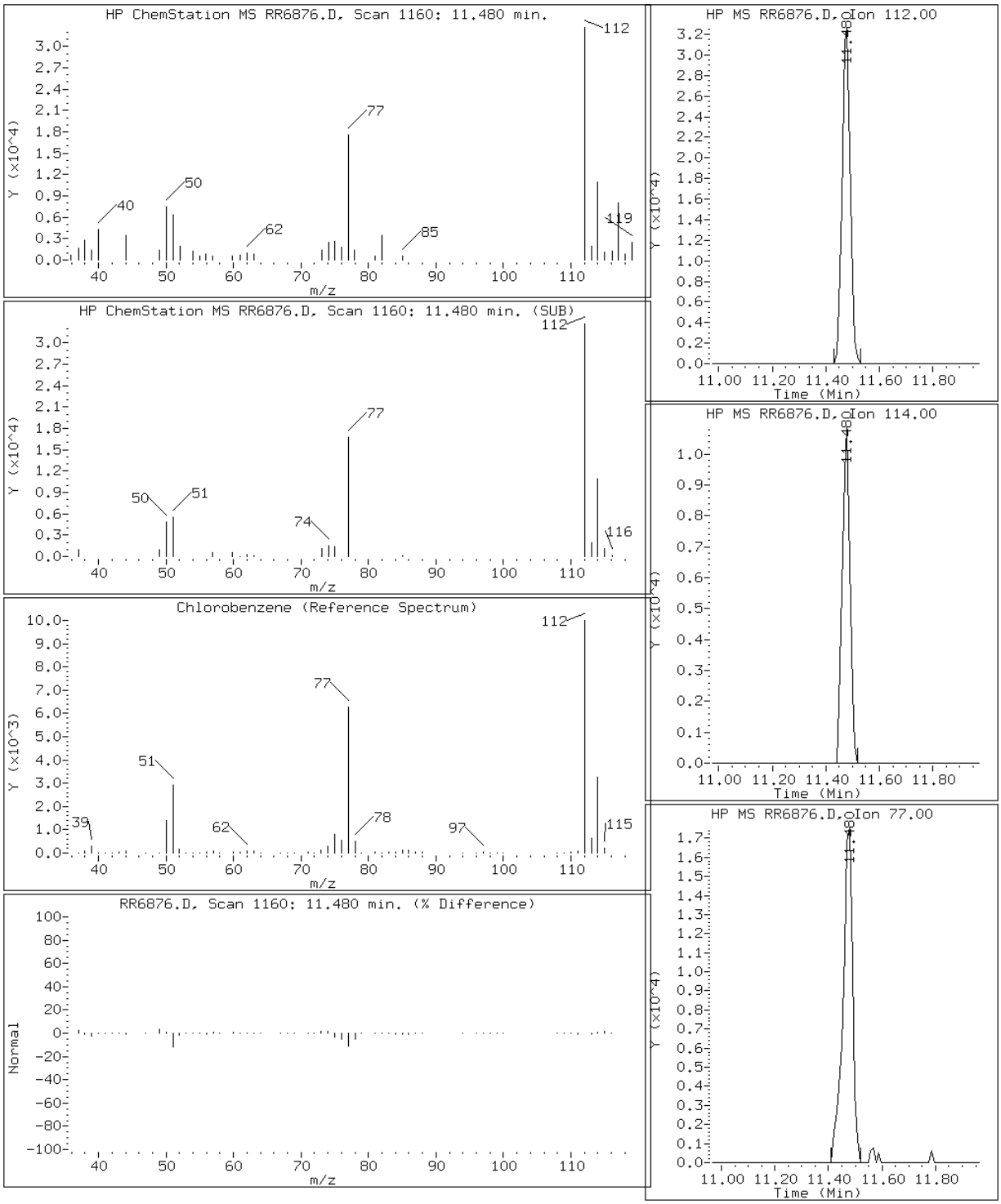
Data File: RR6876.D

Date: 02-JUL-2012 13:51

Client ID: LF1P0213UA Instrument: R2.i

Sample Info: 280-30335-g-1,,PH<2 Operator: DOBRANSKYM

89 Chlorobenzene



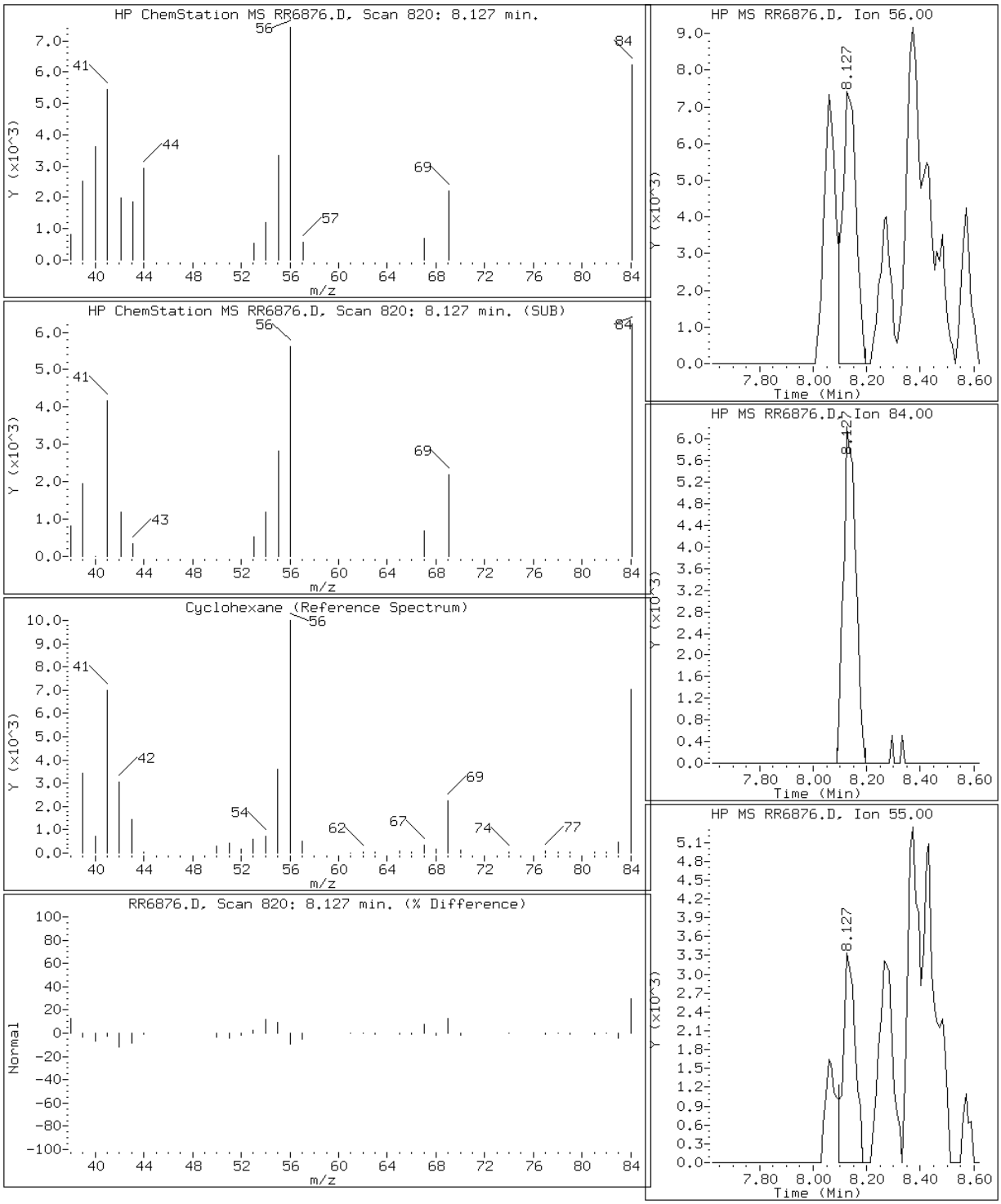
Data File: RR6876.D

Date: 02-JUL-2012 13:51

Client ID: LF1P0213UA Instrument: R2.i

Sample Info: 280-30335-g-1,,PH<2 Operator: DOBRANSKYM

55 Cyclohexane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: LF1M1111UA | Lab Sample ID: 280-30335-3

Matrix: Water | Lab File ID: RR6928.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 15:32

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 09:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.73	J	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	5.8		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.59	J	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	6.4		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	1.6		1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	6.8		1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: LF1M1111UA | Lab Sample ID: 280-30335-3

Matrix: Water | Lab File ID: RR6928.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 15:32

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 09:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	0.52	J	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	J	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.54	J	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.55	J	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Client Sample ID: LF1M1111UA Lab Sample ID: 280-30335-3

Matrix: Water Lab File ID: RR6928.D

Analysis Method: 8260B/DoD Date Collected: 06/21/2012 15:32

Sample wt/vol: 20(mL) Date Analyzed: 07/03/2012 09:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126520 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	107		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		70-120
460-00-4	4-Bromofluorobenzene (Surr)	98		75-120
1868-53-7	Dibromofluoromethane (Surr)	93		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6928.D
Lab Smp Id: 280-30335-H-3 Client Smp ID: LF1M1111UA
Inj Date : 03-JUL-2012 09:14
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30335-h-3,,PH<2 RR
Misc Info : 280-30335-H-3
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 08:09 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.564	8.562	(1.000)	1045845	12.5000	
* 88	Chlorobenzene-d5	119	11.434	11.431	(1.000)	210884	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.047	14.044	(1.000)	295096	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.962	7.960	(0.930)	377541	10.4657	10.4657
$ 58	1,2-Dichloroethane-d4	65	8.288	8.285	(0.968)	227809	9.47034	9.47034
$ 76	Toluene-d8	98	9.954	9.952	(0.871)	1231610	12.0534	12.0534
$ 99	4-Bromofluorobenzene (Surr)	95	12.745	12.743	(0.907)	336362	11.0354	11.0354
M 2	1,2-Dichloroethene (total)	96				5644	0.20287	0.202868(a)
M 3	Xylene (total)	106	Compound Not Detected.					
7	dichlorodifluoromethane	85	Compound Not Detected.					
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	5.349	5.336	(0.625)	8895	0.51535	0.515348(a)
14	Dichlorofluoromethane	67	5.546	5.534	(0.648)	56605	0.94109	0.941094(a)
15	Trichlorofluoromethane	101	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
17	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
19	Ethyl Ether	59	5.803	5.800	(0.678)	89122	8.81076	8.81076
20	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	5.803	5.800	(0.678)	75482	190.166	190.166
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	7.114	7.112	(0.831)	36355	0.72566	0.725664(a)
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	7.588	7.585	(0.886)	5644	0.20287	0.202868(a)
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	8.051	8.039	(0.940)	14065	80.9160	80.9160
55 Cyclohexane	56	8.130	8.128	(0.949)	25317	0.54284	0.542839(a)
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	8.367	8.364	(0.977)	154542	1.58823	1.58823
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	9.087	9.084	(1.061)	22456	0.54904	0.549039(a)
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
78 Ethyl methacrylate	69	Compound Not Detected.					
80 1,1,2-Trichloroethane	97	Compound Not Detected.					
81 2-Hexanone	43	Compound Not Detected.					
82 1,3-Dichloropropane	76	Compound Not Detected.					
83 Tetrachloroethene	164	Compound Not Detected.					
84 Dibromochloromethane	129	Compound Not Detected.					
85 Tetrahydrothiophene	60	Compound Not Detected.					
86 1,2-Dibromoethane	107	Compound Not Detected.					
87 1-Chlorohexane	91	Compound Not Detected.					
89 Chlorobenzene	112	11.473	11.470	(1.003)	417351	6.83305	6.83305
90 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91 Ethylbenzene	106	Compound Not Detected.					
92 m and p-Xylene	106	Compound Not Detected.					
93 o-Xylene	106	Compound Not Detected.					
94 Styrene	104	Compound Not Detected.					
95 Bromoform	173	Compound Not Detected.					
96 isopropyl benzene	105	Compound Not Detected.					
97 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98 Cyclohexanone	55	Compound Not Detected.					
100 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102 1,2,3-Trichloropropane	110	Compound Not Detected.					
103 Bromobenzene	156	Compound Not Detected.					
104 n-Propylbenzene	120	Compound Not Detected.					
106 2-Chlorotoluene	126	Compound Not Detected.					
105 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107 4-Chlorotoluene	126	Compound Not Detected.					
108 tert-Butylbenzene	119	Compound Not Detected.					
109 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110 sec-Butylbenzene	134	Compound Not Detected.					
111 4-Isopropyltoluene	119	Compound Not Detected.					
112 1,3-Dichlorobenzene	146	13.988	13.985	(0.996)	26080	0.59185	0.591852(a)
114 1,4-dichlorobenzene	146	14.076	14.074	(1.002)	277280	6.43626	6.43626
115 1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116 n-Butylbenzene	91	Compound Not Detected.					
117 1,2-Dichlorobenzene	146	14.560	14.557	(1.037)	195707	5.79955	5.79955
118 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121 Hexachlorobutadiene	225	Compound Not Detected.					
122 Naphthalene	128	Compound Not Detected.					
123 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

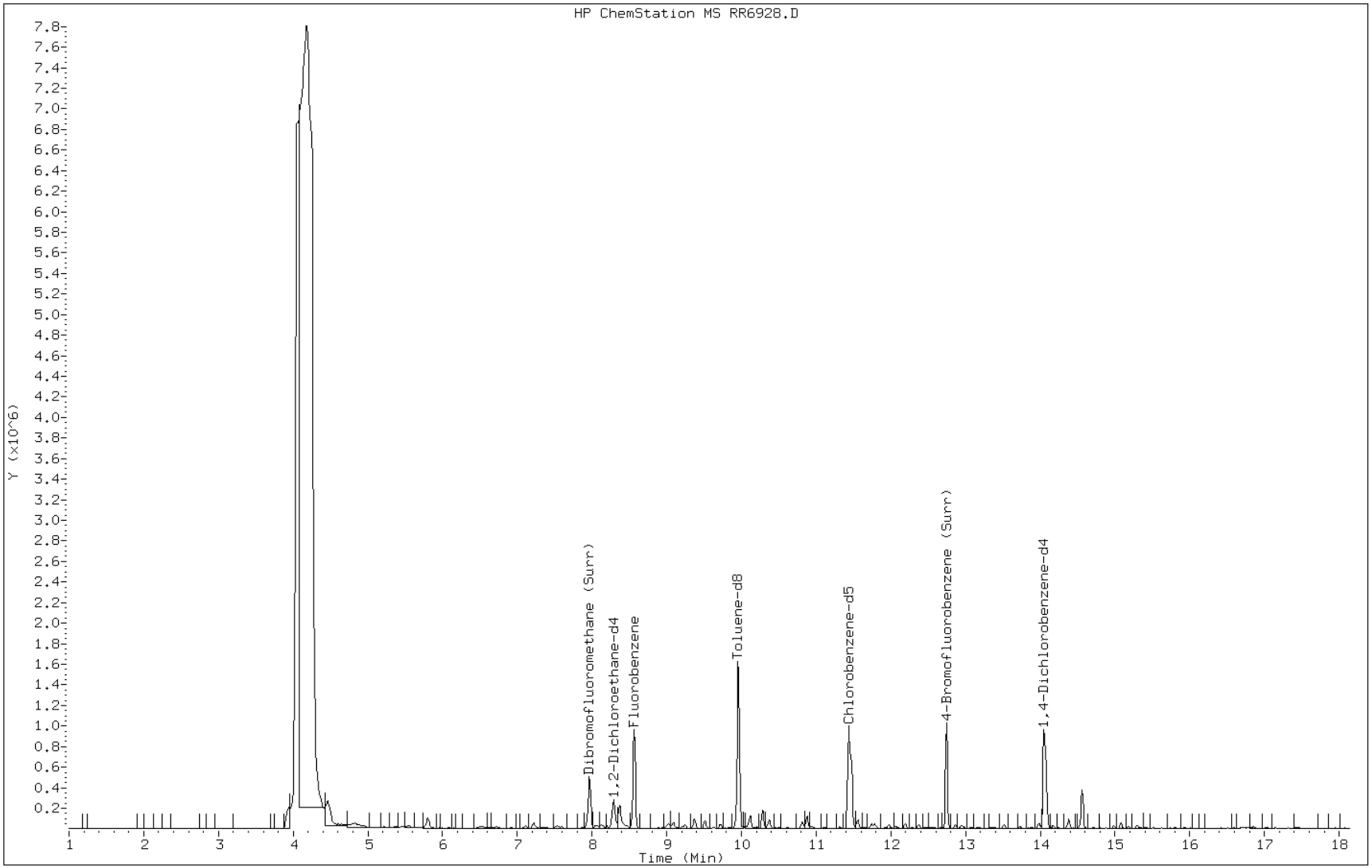
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: RR6928.D

Date: 03-JUL-2012 09:14

Client ID: LF1M1111UA Instrument: R2.i

Sample Info: 280-30335-h-3,,PH<2 RR Operator: DOBRANSKYM



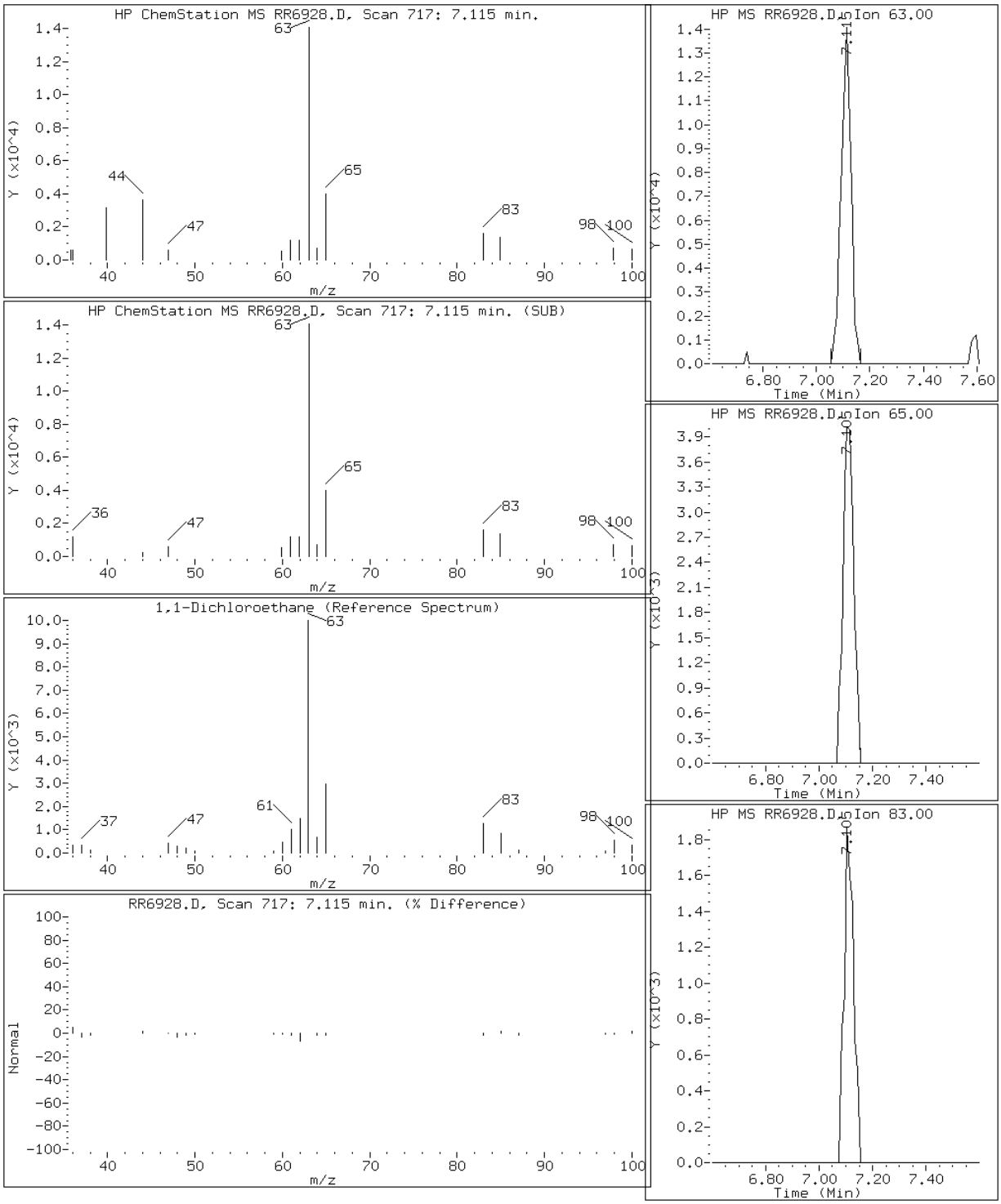
Data File: RR6928.D

Date: 03-JUL-2012 09:14

Client ID: LF1M1111UA Instrument: R2.i

Sample Info: 280-30335-h-3,,PH<2 RR Operator: DOBRANSKYM

39 1,1-Dichloroethane



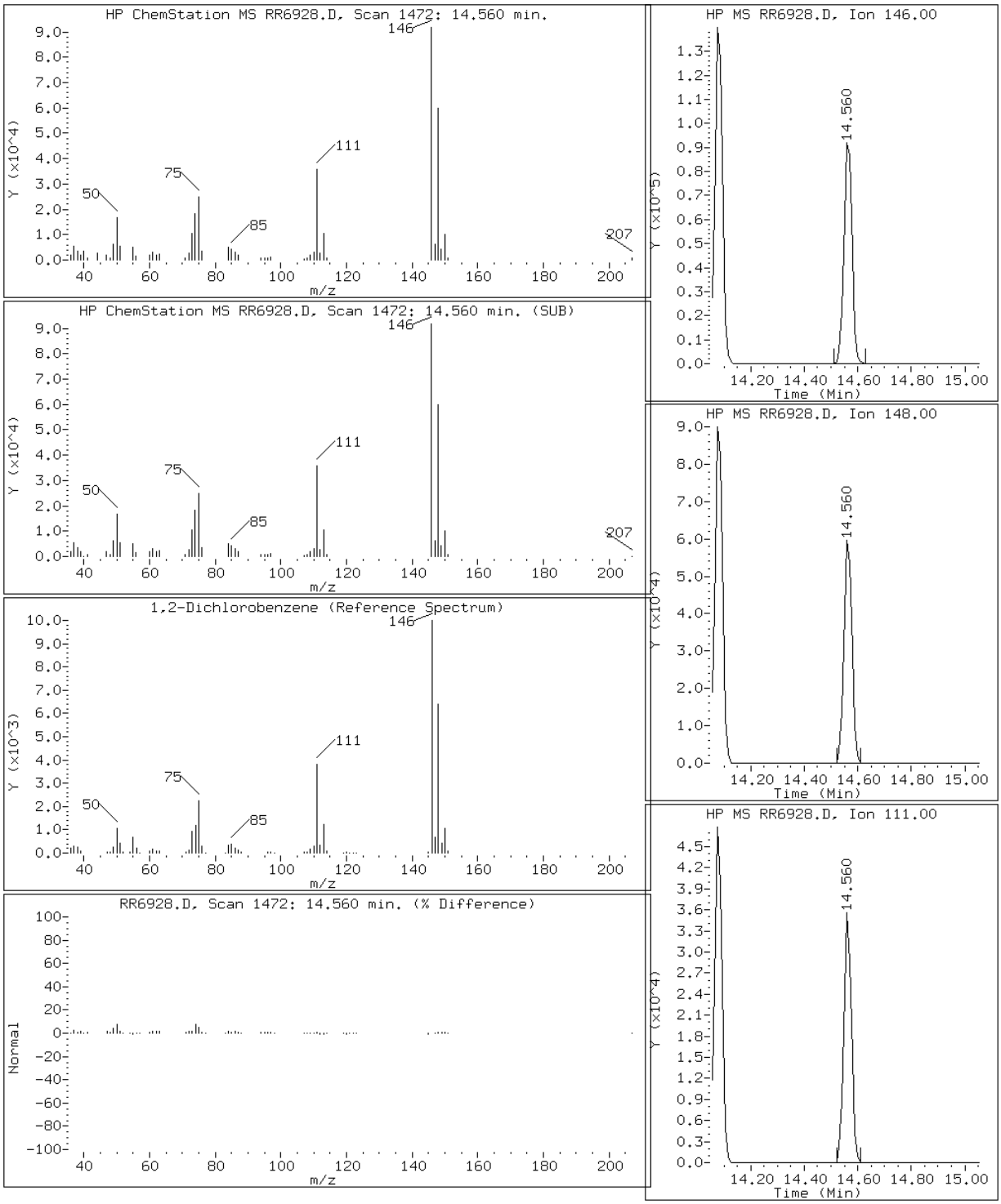
Data File: RR6928.D

Date: 03-JUL-2012 09:14

Client ID: LF1M1111UA Instrument: R2.i

Sample Info: 280-30335-h-3,,PH<2 RR Operator: DOBRANSKYM

117 1,2-Dichlorobenzene



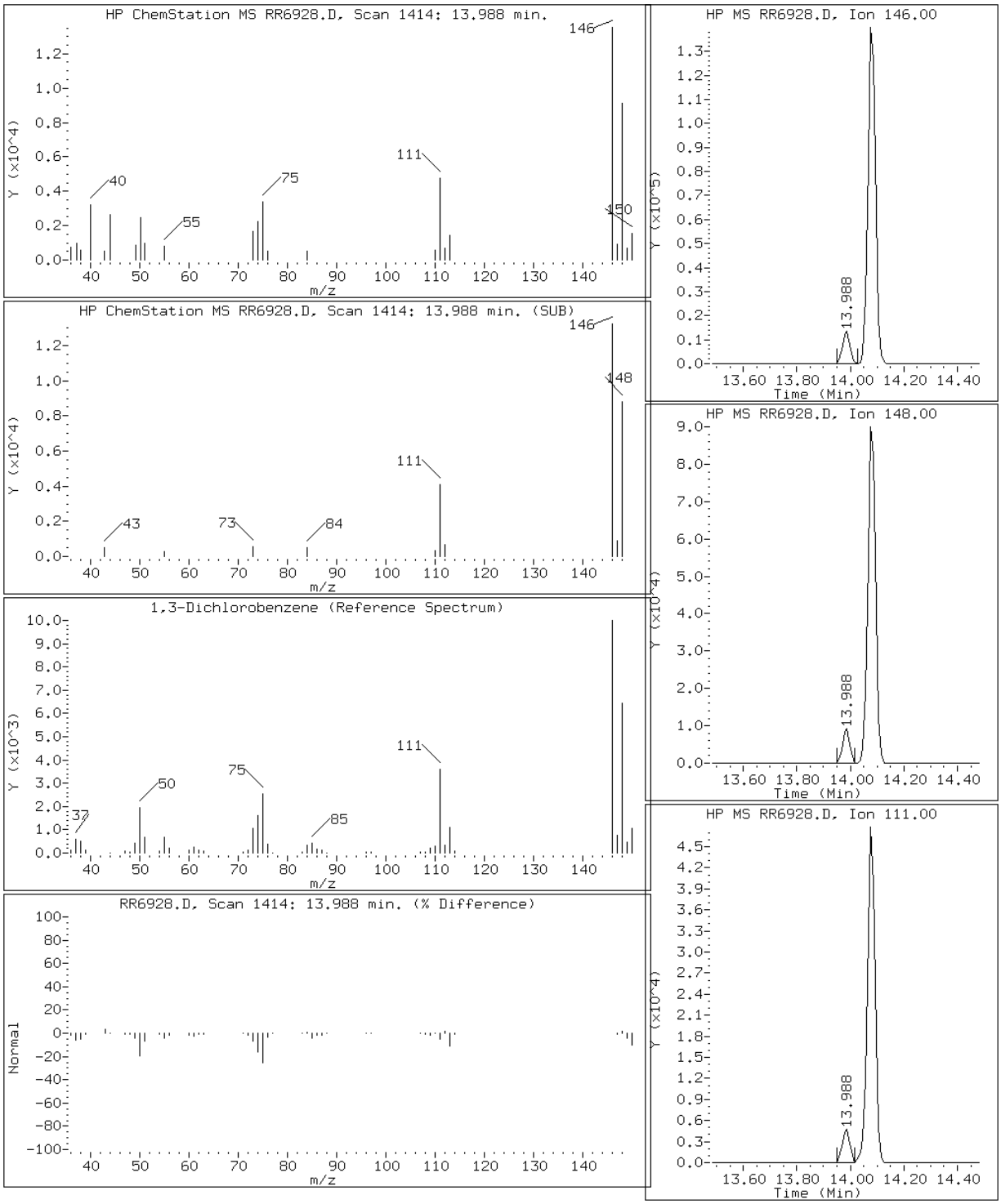
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Date: 03-JUL-2012 09:14

Client ID: LF1M1111UA Instrument: R2.i

Sample Info: 280-30335-h-3,,PH<2 RR Operator: DOBRANSKYM

112 1,3-Dichlorobenzene



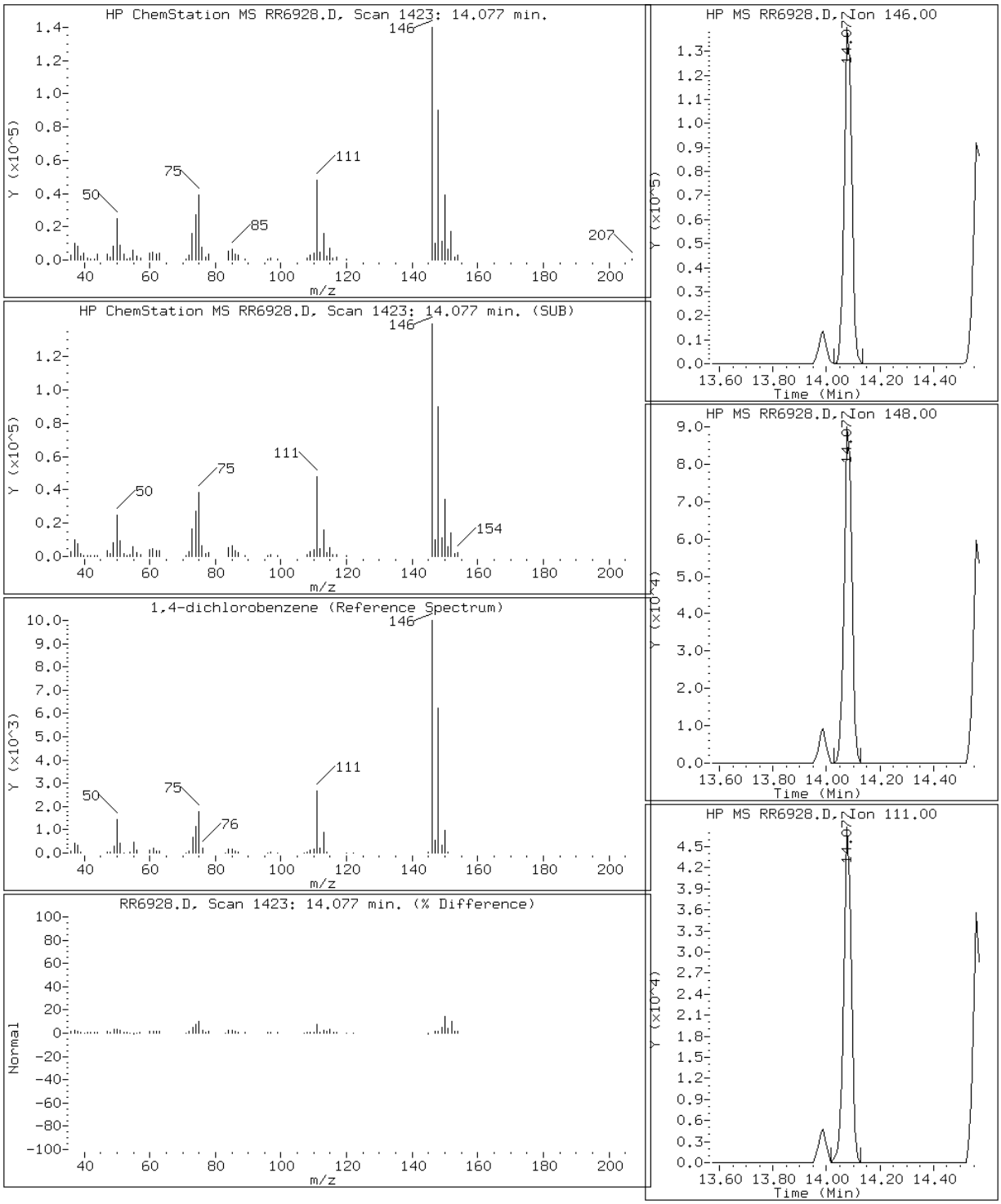
Data File: RR6928.D

Date: 03-JUL-2012 09:14

Client ID: LF1M1111UA Instrument: R2.i

Sample Info: 280-30335-h-3,,PH<2 RR Operator: DOBRANSKYM

114 1,4-dichlorobenzene



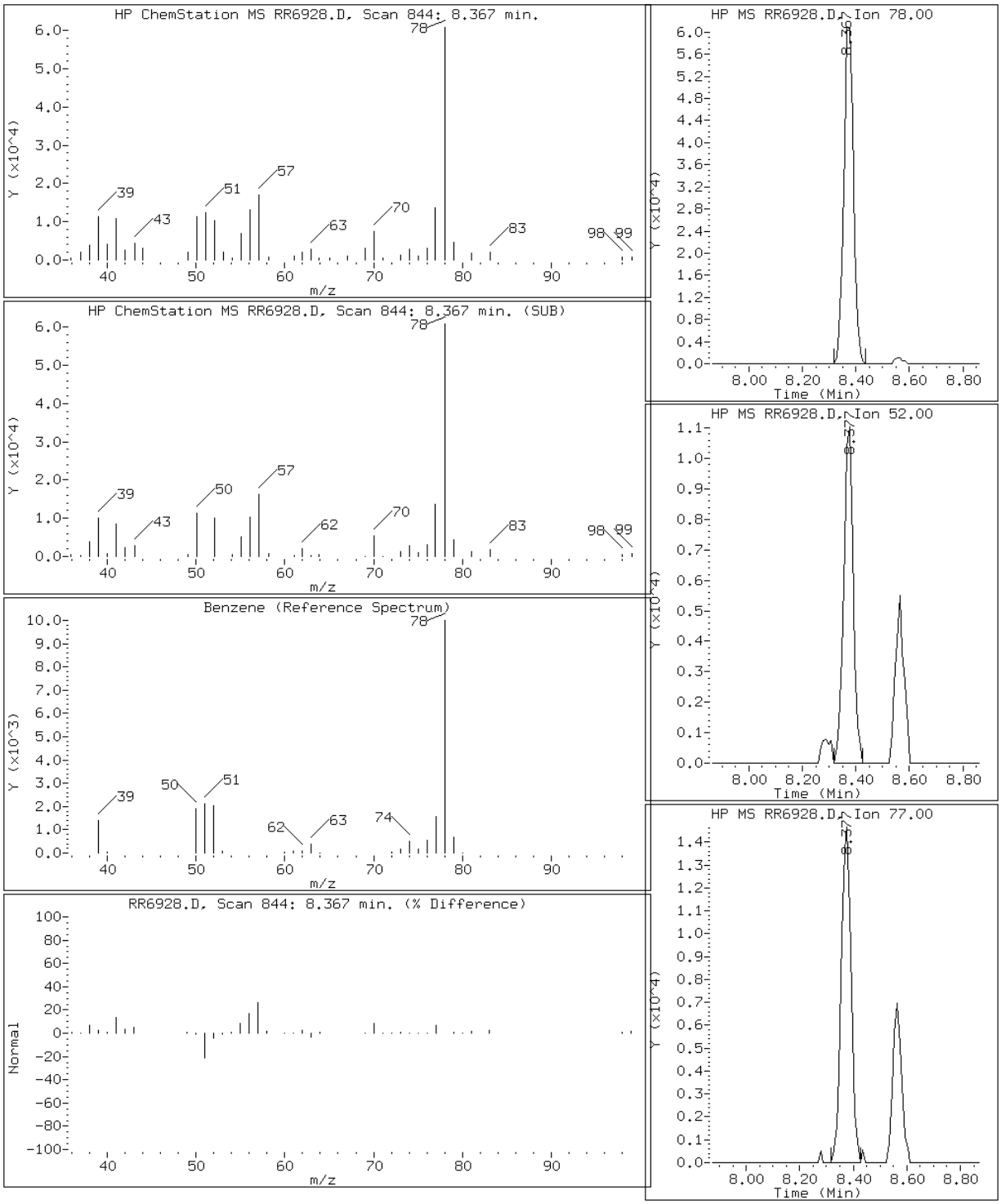
Data File: RR6928.D

Date: 03-JUL-2012 09:14

Client ID: LF1M1111UA Instrument: R2.i

Sample Info: 280-30335-h-3,,PH<2 RR Operator: DOBRANSKYM

61 Benzene



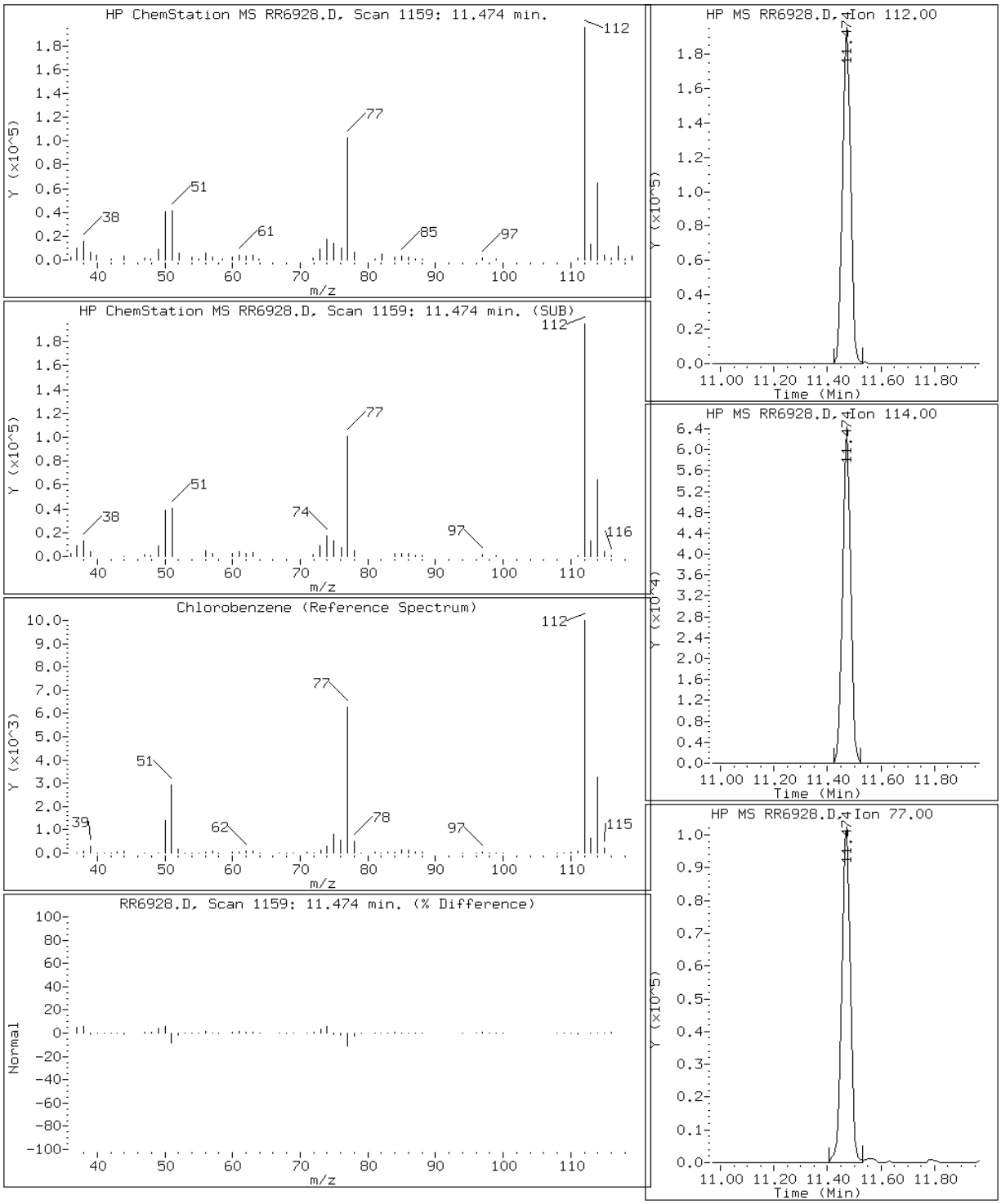
Data File: RR6928.D

Date: 03-JUL-2012 09:14

Client ID: LF1M1111UA Instrument: R2.i

Sample Info: 280-30335-h-3,,PH<2 RR Operator: DOBRANSKYM

89 Chlorobenzene



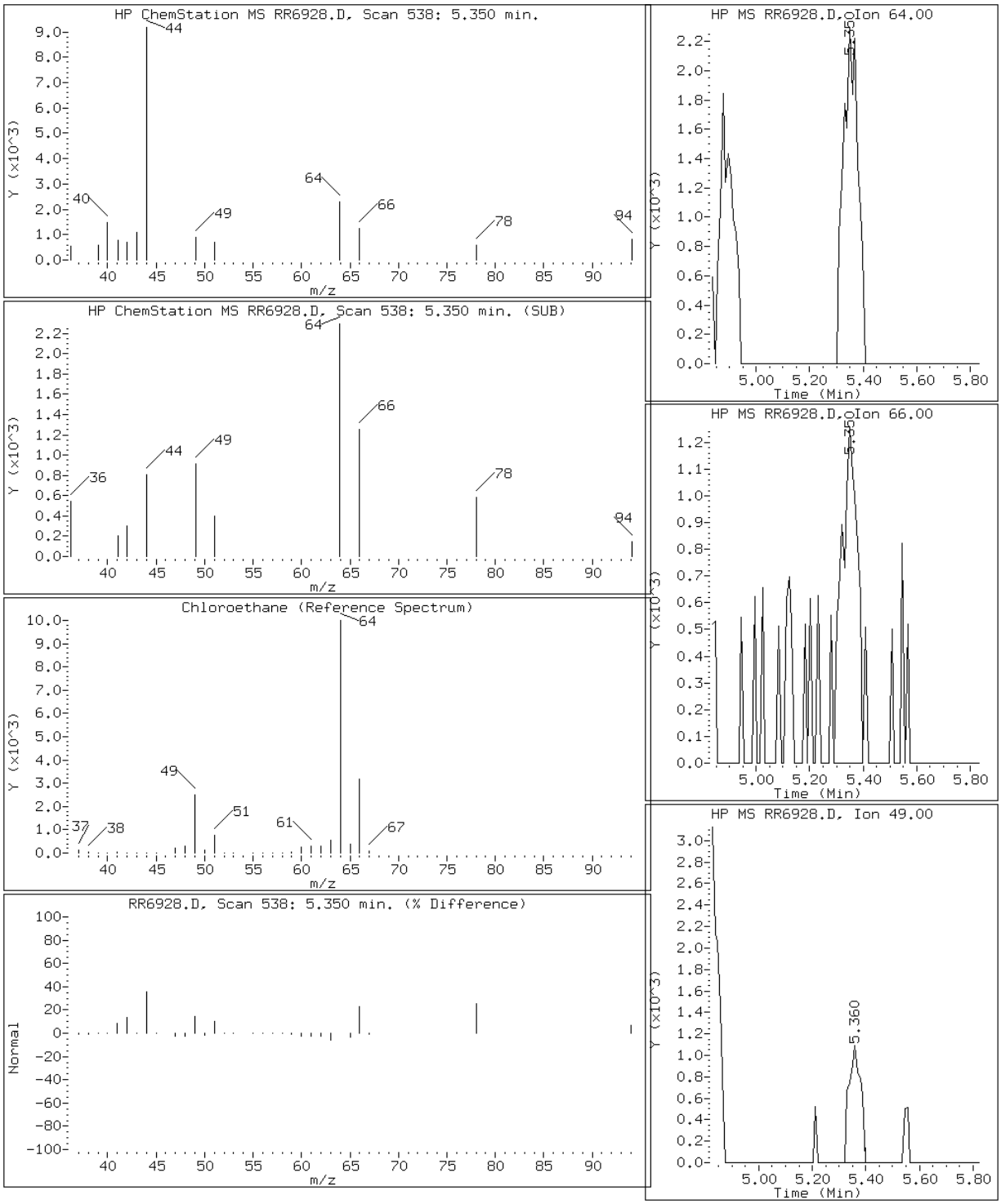
Data File: RR6928.D

Date: 03-JUL-2012 09:14

Client ID: LF1M1111UA Instrument: R2.i

Sample Info: 280-30335-h-3,,PH<2 RR Operator: DOBRANSKYM

13 Chloroethane



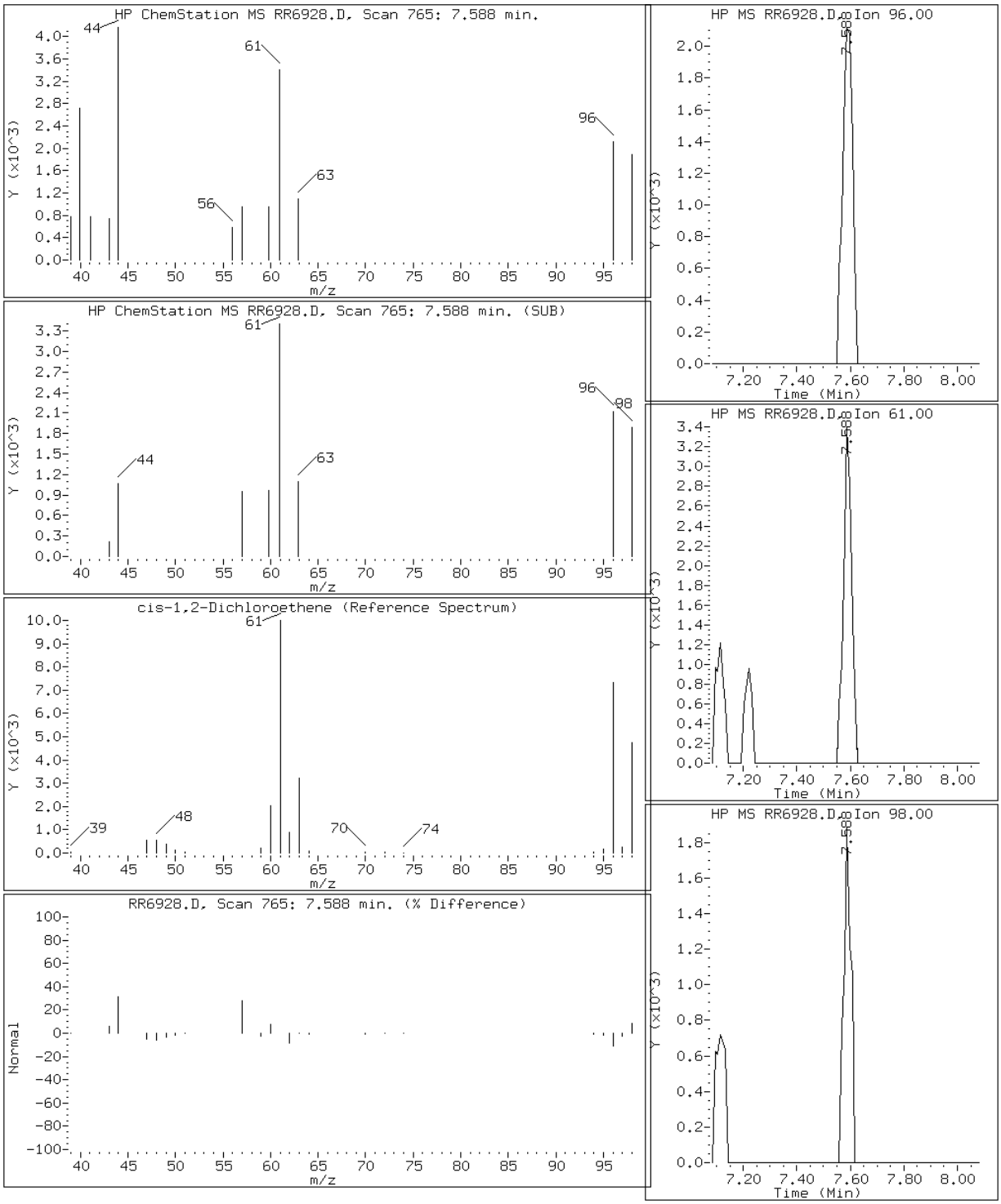
Data File: RR6928.D

Date: 03-JUL-2012 09:14

Client ID: LF1M1111UA Instrument: R2.i

Sample Info: 280-30335-h-3,,PH<2 RR Operator: DOBRANSKYM

45 cis-1,2-Dichloroethene



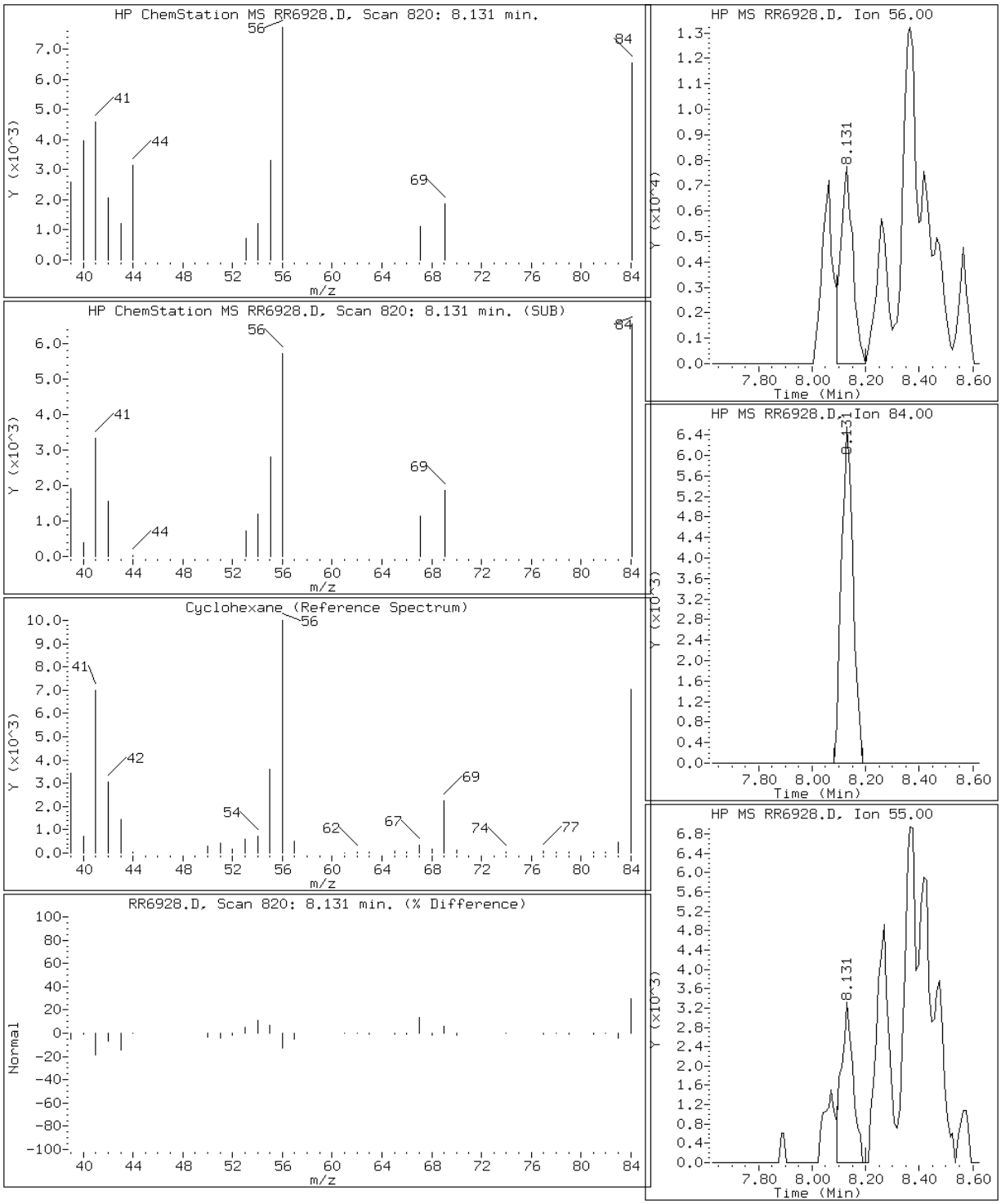
Data File: RR6928.D

Date: 03-JUL-2012 09:14

Client ID: LF1M1111UA Instrument: R2.i

Sample Info: 280-30335-h-3,,PH<2 RR Operator: DOBRANSKYM

55 Cyclohexane



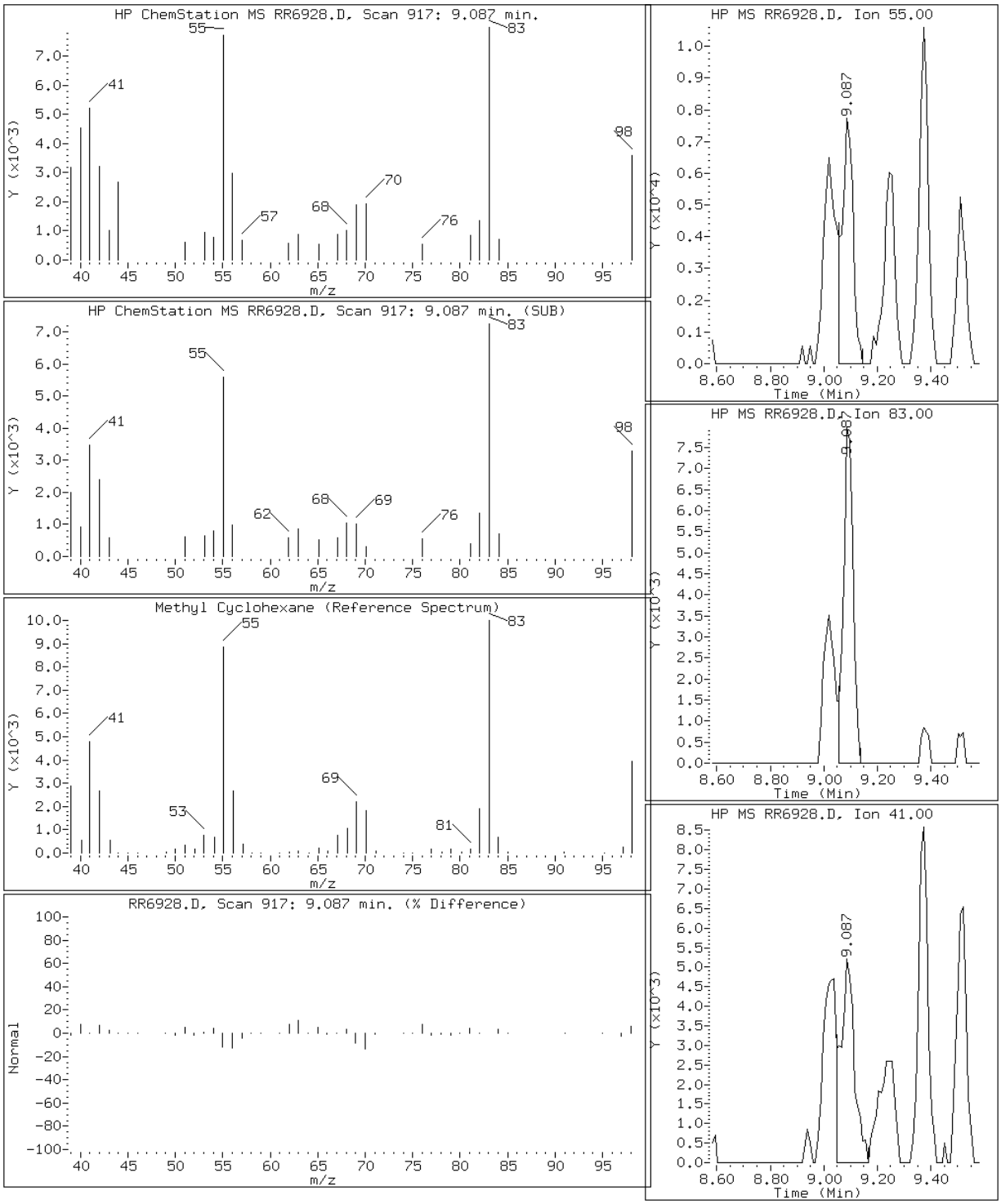
Data File: RR6928.D

Date: 03-JUL-2012 09:14

Client ID: LF1M1111UA Instrument: R2.i

Sample Info: 280-30335-h-3,,PH<2 RR Operator: DOBRANSKYM

67 Methyl Cyclohexane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: 062112UE | Lab Sample ID: 280-30335-6

Matrix: Water | Lab File ID: RR6878.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 16:15

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 14:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Client Sample ID: 062112UE Lab Sample ID: 280-30335-6

Matrix: Water Lab File ID: RR6878.D

Analysis Method: 8260B/DoD Date Collected: 06/21/2012 16:15

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 14:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Client Sample ID: 062112UE Lab Sample ID: 280-30335-6

Matrix: Water Lab File ID: RR6878.D

Analysis Method: 8260B/DoD Date Collected: 06/21/2012 16:15

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 14:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		70-120
460-00-4	4-Bromofluorobenzene (Surr)	94		75-120
1868-53-7	Dibromofluoromethane (Surr)	88		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6878.D
Lab Smp Id: 280-30335-F-6 Client Smp ID: 062112UE
Inj Date : 02-JUL-2012 14:37
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30335-f-6,,PH<2
Misc Info : 280-30335-F-6
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	62 Fluorobenzene	96	8.568	8.566	(1.000)	1067529	12.5000	
*	88 Chlorobenzene-d5	119	11.437	11.435	(1.000)	210788	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.050	14.049	(1.000)	289143	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.966	7.964	(0.930)	368682	9.93120	9.93120
$	58 1,2-Dichloroethane-d4	65	8.291	8.290	(0.968)	226242	9.17646	9.17646
$	76 Toluene-d8	98	9.958	9.956	(0.871)	1179669	11.4466	11.4466
$	99 4-Bromofluorobenzene (Surr)	95	12.749	12.737	(0.907)	319294	10.6228	10.6228
M	2 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	3 Xylene (total)	106	Compound Not Detected.					
	7 dichlorodifluoromethane	85	Compound Not Detected.					
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	17 1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
	19 Ethyl Ether	59	Compound Not Detected.					
	20 2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

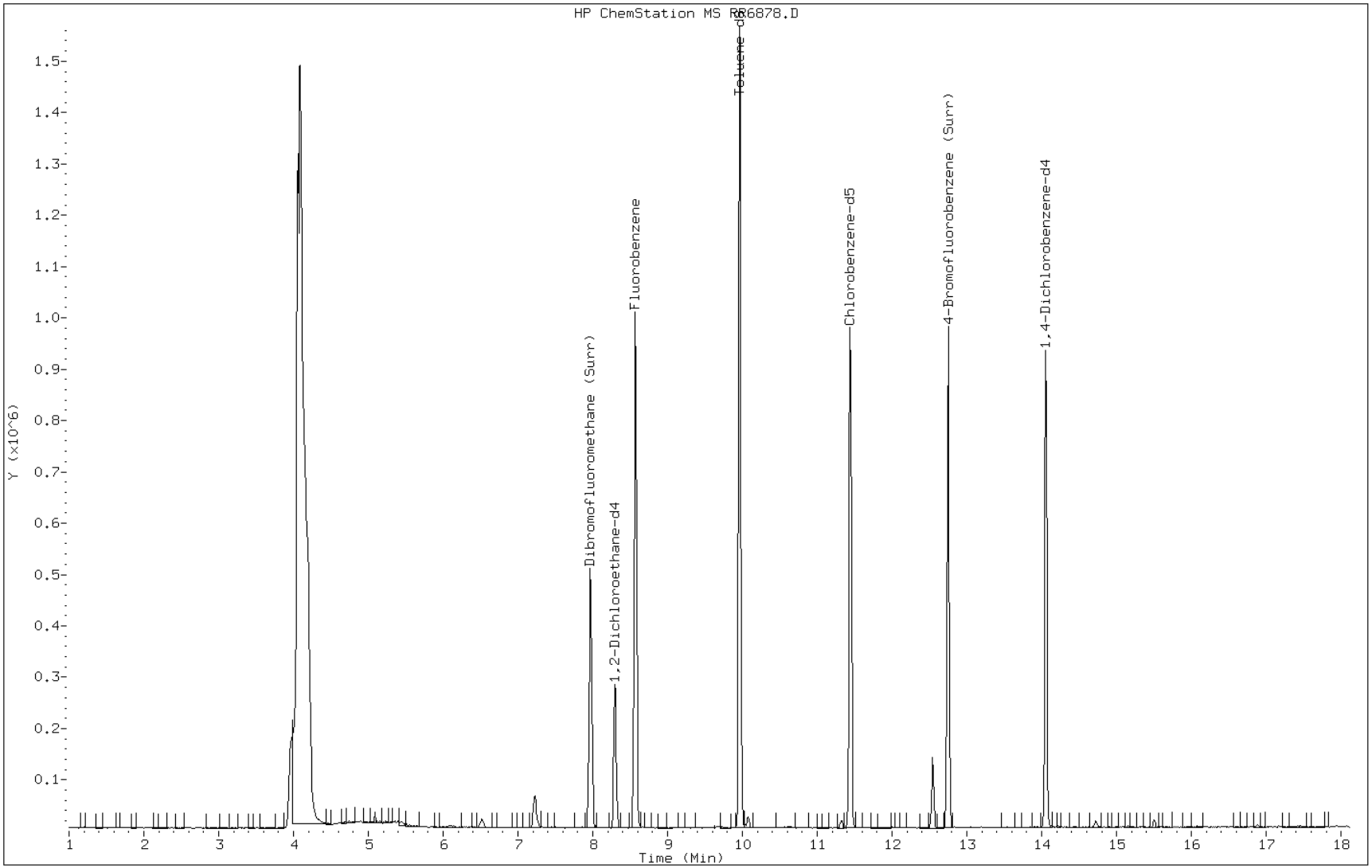
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR6878.D

Date: 02-JUL-2012 14:37

Client ID: 062112UE Instrument: R2.i

Sample Info: 280-30335-f-6,,PH<2 Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: 062112UF | Lab Sample ID: 280-30335-7

Matrix: Water | Lab File ID: RR6879.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 12:01

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 15:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: 062112UF | Lab Sample ID: 280-30335-7

Matrix: Water | Lab File ID: RR6879.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 12:01

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 15:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Client Sample ID: 062112UF Lab Sample ID: 280-30335-7

Matrix: Water Lab File ID: RR6879.D

Analysis Method: 8260B/DoD Date Collected: 06/21/2012 12:01

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 15:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	105		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		70-120
460-00-4	4-Bromofluorobenzene (Surr)	99		75-120
1868-53-7	Dibromofluoromethane (Surr)	91		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6879.D
Lab Smp Id: 280-30335-A-7 Client Smp ID: 062112UF
Inj Date : 02-JUL-2012 15:00
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30335-a-7,,PH<2
Misc Info : 280-30335-A-7
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.570	8.566	(1.000)	1050978	12.5000	
* 88	Chlorobenzene-d5	119	11.440	11.435	(1.000)	206219	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.053	14.049	(1.000)	276683	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.969	7.964	(0.930)	373066	10.2598	10.2598
$ 58	1,2-Dichloroethane-d4	65	8.294	8.290	(0.968)	230265	9.53383	9.53383
$ 76	Toluene-d8	98	9.961	9.956	(0.871)	1185743	11.8286	11.8286
$ 99	4-Bromofluorobenzene (Surr)	95	12.741	12.737	(0.907)	316724	11.0920	11.0920
M 2	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 3	Xylene (total)	106	Compound Not Detected.					
7	dichlorodifluoromethane	85	Compound Not Detected.					
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
17	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
19	Ethyl Ether	59	Compound Not Detected.					
20	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

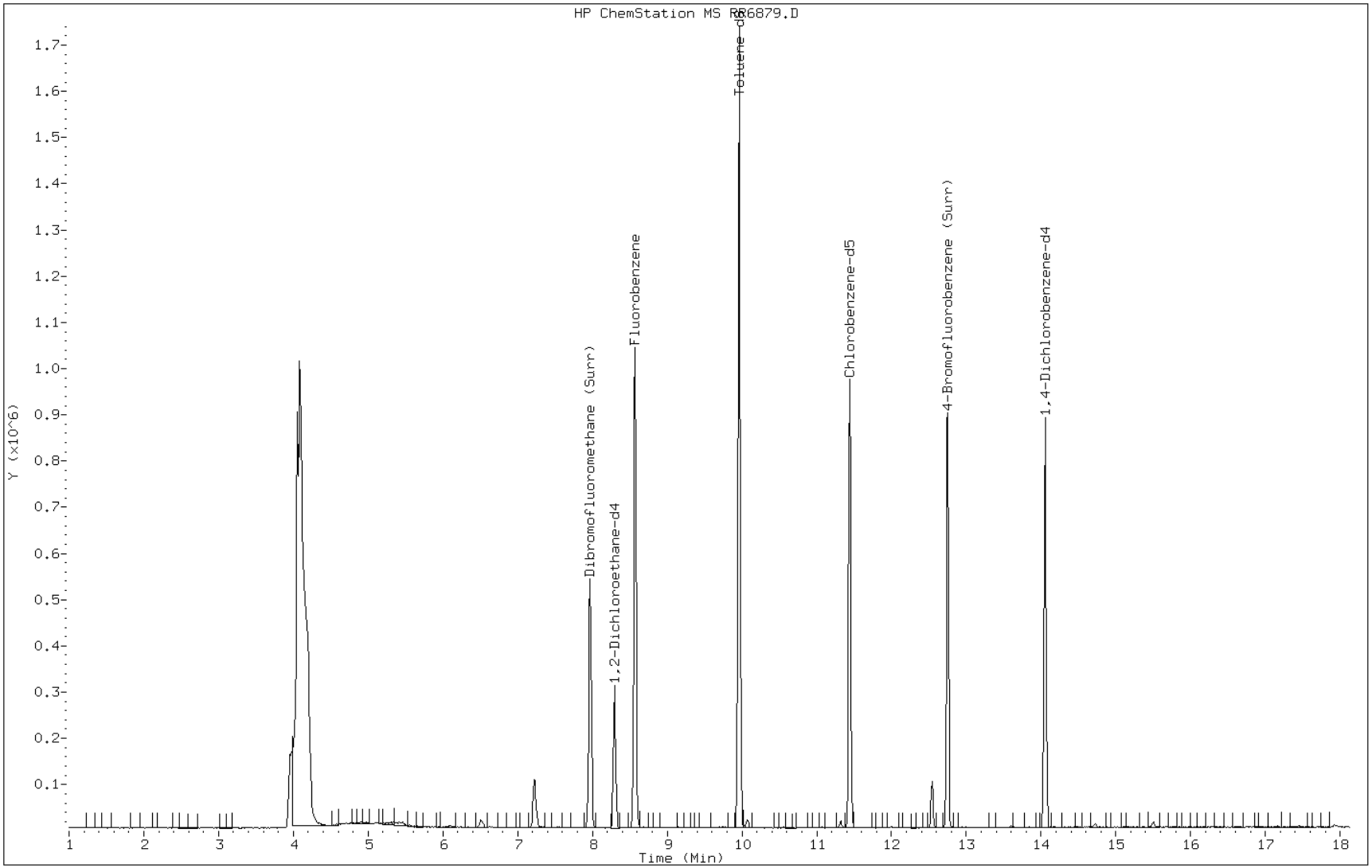
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR6879.D

Date: 02-JUL-2012 15:00

Client ID: 062112UF Instrument: R2.i

Sample Info: 280-30335-a-7,,PH<2 Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: 062112UR | Lab Sample ID: 280-30335-8

Matrix: Water | Lab File ID: RR6880.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 08:15

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 15:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: 062112UR | Lab Sample ID: 280-30335-8

Matrix: Water | Lab File ID: RR6880.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 08:15

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 15:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Client Sample ID: 062112UR Lab Sample ID: 280-30335-8

Matrix: Water Lab File ID: RR6880.D

Analysis Method: 8260B/DoD Date Collected: 06/21/2012 08:15

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 15:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	106		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		70-120
460-00-4	4-Bromofluorobenzene (Surr)	101		75-120
1868-53-7	Dibromofluoromethane (Surr)	89		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6880.D
Lab Smp Id: 280-30335-A-8 Client Smp ID: 062112UR
Inj Date : 02-JUL-2012 15:23
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30335-a-8,,PH<2
Misc Info : 280-30335-A-8
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	62 Fluorobenzene	96	8.576	8.566	(1.000)	1020602	12.5000	
*	88 Chlorobenzene-d5	119	11.445	11.435	(1.000)	207635	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.058	14.049	(1.000)	285201	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.964	7.964	(0.929)	353435	9.96335	9.96335
$	58 1,2-Dichloroethane-d4	65	8.299	8.290	(0.968)	228790	9.78698	9.78698
$	76 Toluene-d8	98	9.966	9.956	(0.871)	1198510	11.8840	11.8840
$	99 4-Bromofluorobenzene (Surr)	95	12.747	12.737	(0.907)	334411	11.4148	11.4148
M	2 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	3 Xylene (total)	106	Compound Not Detected.					
	7 dichlorodifluoromethane	85	Compound Not Detected.					
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	17 1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
	19 Ethyl Ether	59	Compound Not Detected.					
	20 2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

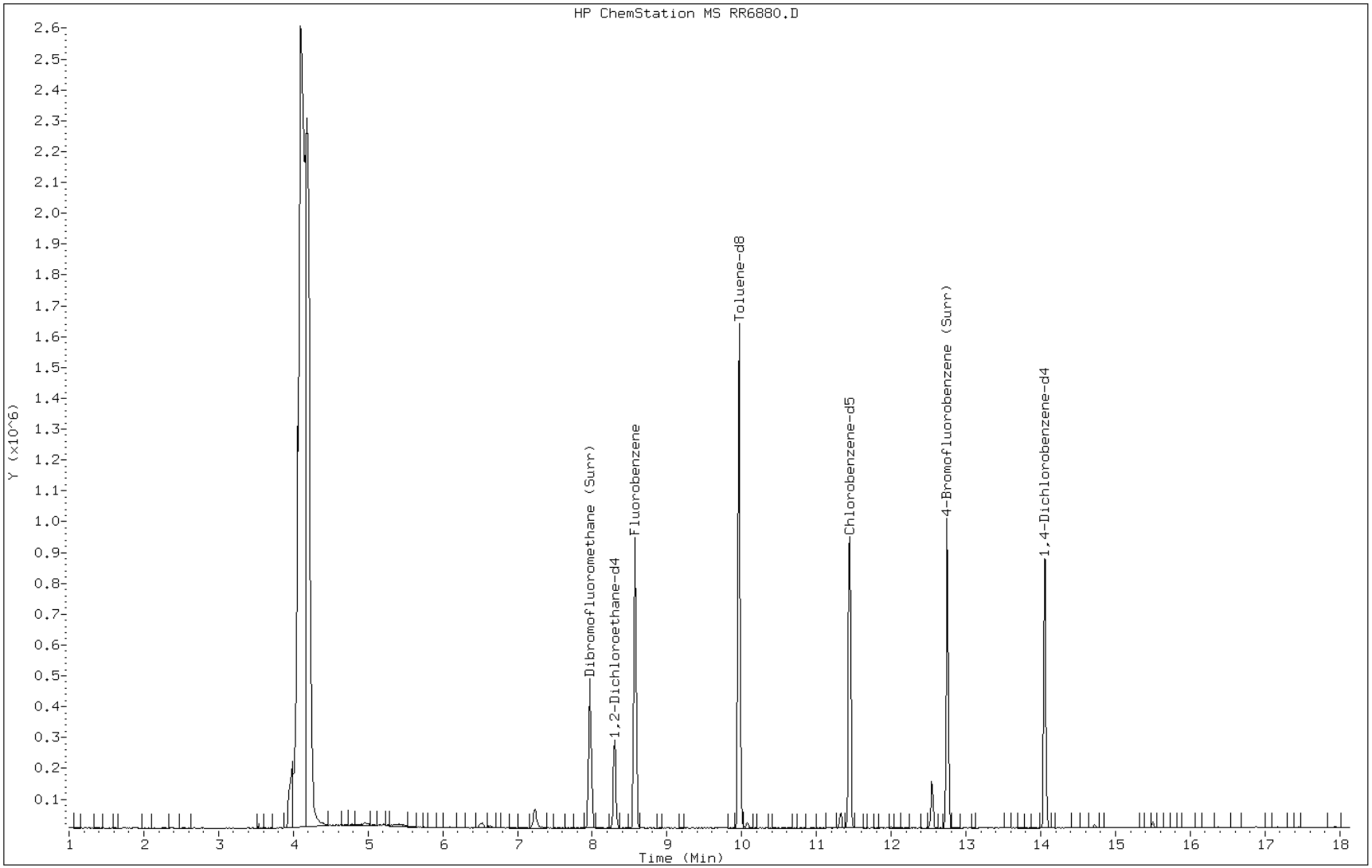
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR6880.D

Date: 02-JUL-2012 15:23

Client ID: 062112UR Instrument: R2.i

Sample Info: 280-30335-a-8,,PH<2 Operator: DOBRANSKYM



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30335-1 Analy Batch No.: 124040

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2012 07:32 Calibration End Date: 06/14/2012 09:23 Calibration ID: 9710

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-124040/3	RR6354.D
Level 2	IC 280-124040/4	RR6355.D
Level 3	IC 280-124040/5	RR6356.D
Level 4	ICIS 280-124040/6	RR6357.D
Level 5	IC 280-124040/7	RR6358.D
Level 6	IC 280-124040/8	RR6359.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorofluoromethane	0.6923 0.7075	0.6806	0.8073	0.7340	0.6916	Ave		0.7189				6.6		15.0			
Ethyl ether	0.1126 0.1254	0.1153	0.1356	0.1183	0.1183	Ave		0.1209				6.9		15.0			
Isopropyl alcohol	0.0047 0.0047	0.0045	0.0053	0.0047	0.0045	Ave		0.0047				5.7		15.0			
2,2-Dichloro-1,1,1-trifluoroethane	0.5296 0.5319	0.5482	0.6026	0.5570	0.5313	Ave		0.5501				5.1		15.0			
Propene oxide	0.0160 0.0193	0.0171	0.0195	0.0188	0.0176	Ave		0.0181				7.6		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2878 0.2866	0.2808	0.3211	0.2932	0.2824	Ave		0.2920				5.1		15.0			
Methyl acetate	0.0598 0.0611	0.0597	0.0663	0.0603	0.0570	Ave		0.0607				5.0		15.0			
Allyl chloride	0.4631 0.4648	0.4655	0.5335	0.4922	0.4653	Ave		0.4807				5.8		15.0			
Carbon disulfide	1.2780 1.3338	1.2982	1.5128	1.3917	1.3211	Ave		1.3559				6.3		15.0			
Tetrahydrofuran	+++++ 0.0211	0.0200	0.0229	0.0209	0.0192	Ave		0.0208				6.8		15.0			
Methyl tert-butyl ether	0.3007 0.3712	0.3033	0.3618	0.3446	0.3382	Ave		0.3366				8.7		15.0			
Hexane	+++++ 2.0708	2.2896	2.6803	2.4758	2.1636	Ave		2.3360				10.5		15.0			
Vinyl acetate	0.2313 0.2606	0.2312	0.2692	0.2527	0.2422	Ave		0.2479				6.3		15.0			
Tert-butyl ethyl ether	0.5008 0.6249	0.5250	0.6088	0.5800	0.5699	Ave		0.5682				8.4		15.0			
Ethyl acetate	0.1016 0.0982	0.1022	0.0928	0.0805	0.0911	Ave		0.0944				8.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30335-1 Analy Batch No.: 124040

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2012 07:32 Calibration End Date: 06/14/2012 09:23 Calibration ID: 9710

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Butanol	0.0046 0.0057	0.0047	0.0057	0.0055	0.0051	Ave		0.0052				9.1		15.0			
Cyclohexane	0.5462 0.5401	0.5392	0.6042	0.5597	0.5551	Ave		0.5574				4.4		15.0			
Tert-amyl methyl ether	0.3495 0.4615	0.3681	0.4316	0.4108	0.4108	Ave		0.4054				10.1		15.0			
2-Pentanone	0.0695 0.0614	0.0713	0.0602	0.0566	0.0620	Ave		0.0635				8.9		15.0			
Methyl methacrylate	0.0171 0.0255	0.0207	0.0222	0.0207	0.0223	Ave		0.0214				12.7		15.0			
Methylcyclohexane	0.4742 0.4680	0.4821	0.5372	0.4900	0.4816	Ave		0.4888				5.1		15.0			
2-Chloroethyl vinyl ether	0.0519 0.0716	0.0529	0.0556	0.0561	0.0615	Ave		0.0583				12.6		15.0			
2-Nitropropane	+++++ 0.0250	0.0194	0.0229	0.0209	0.0217	Ave		0.0220				9.5		15.0			
Ethyl methacrylate	0.5277 0.6831	0.5483	0.6467	0.6415	0.6492	Ave		0.6161				10.2		15.0			
cis-1,4-Dichloro-2-butene	+++++ 0.1221	0.0970	0.1118	0.1119	0.1119	Ave		0.1110				8.1		15.0			
trans-1,4-Dichloro-2-butene	0.0631 0.1056	0.0756	0.1039	0.0991	0.0968	Lin1	0.0335	0.1041							0.9981		0.9900
Dibromofluoromethane (Surr)	+++++ 0.3860	0.7017	0.5226	0.4420	0.3795	Lin2	-0.150	0.3655							0.9972		0.9900
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2691	0.4452	0.3454	0.2892	0.2478	Lin	-0.111	0.2506							0.9932		
Toluene-d8 (Surr)	+++++ 5.3025	10.718	7.8350	6.7100	5.5649	Lin1	-0.199	5.0212							0.9962		0.9900
4-Bromofluorobenzene (Surr)	+++++ 1.1156	2.2349	1.6138	1.3091	1.1912	Lin2	-0.175	1.0774							0.9978		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30335-1 Analy Batch No.: 124040

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2012 07:32 Calibration End Date: 06/14/2012 09:23 Calibration ID: 9710

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-124040/3	RR6354.D
Level 2	IC 280-124040/4	RR6355.D
Level 3	IC 280-124040/5	RR6356.D
Level 4	ICIS 280-124040/6	RR6357.D
Level 5	IC 280-124040/7	RR6358.D
Level 6	IC 280-124040/8	RR6359.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorofluoromethane	FB	Ave	65385 3377999	116677	323170	573495	1731366	1.00 60.0	2.00	5.00	10.0	30.0
Ethyl ether	FB	Ave	10632 598821	19767	54260	92394	296094	1.00 60.0	2.00	5.00	10.0	30.0
Isopropyl alcohol	FB	Ave	8885 450596	15451	42061	74213	226935	20.0 1200	40.0	100	200	600
2,2-Dichloro-1,1,1-trifluoroethane	FB	Ave	50021 2539571	93968	241209	435152	1330004	1.00 60.0	2.00	5.00	10.0	30.0
Propene oxide	FB	Ave	75755 4608379	146404	391005	735644	2209218	50.0 3000	100	250	500	1500
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	27185 1368632	48127	128518	229085	706955	1.00 60.0	2.00	5.00	10.0	30.0
Methyl acetate	FB	Ave	28260 1458495	51199	132610	235605	713204	5.00 300	10.0	25.0	50.0	150
Allyl chloride	FB	Ave	43741 2219226	79804	213533	384568	1164794	1.00 60.0	2.00	5.00	10.0	30.0
Carbon disulfide	FB	Ave	120707 6368567	222539	605561	1087335	3307190	1.00 60.0	2.00	5.00	10.0	30.0
Tetrahydrofuran	FB	Ave	+++++ 201395	6859	18349	32648	95894	+++++ 120	4.00	10.0	20.0	60.0
Methyl tert-butyl ether	FB	Ave	28397 1772366	51987	144825	269274	846631	1.00 60.0	2.00	5.00	10.0	30.0
Hexane	CBZ	Ave	+++++ 2144701	80267	212445	374513	1156013	+++++ 60.0	2.00	5.00	10.0	30.0
Vinyl acetate	FB	Ave	43699 2488215	79265	215526	394883	1212588	2.00 120	4.00	10.0	20.0	60.0
Tert-butyl ethyl ether	FB	Ave	236500 14918883	449958	1218502	2265888	7133532	5.00 300	10.0	25.0	50.0	150
Ethyl acetate	FB	Ave	19198 937859	35047	74329	125753	456266	2.00 120	4.00	10.0	20.0	60.0
2-Butanol	FB	Ave	13078 814851	24405	68501	128626	386006	30.0 1800	60.0	150	300	900

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30335-1 Analy Batch No.: 124040

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2012 07:32 Calibration End Date: 06/14/2012 09:23 Calibration ID: 9710

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Cyclohexane	FB	Ave	51587 2578788	92439	241833	437316	1389724	1.00 60.0	2.00	5.00	10.0	30.0
Tert-amyl methyl ether	FB	Ave	165029 11016897	315492	863742	1604846	5141813	5.00 300	10.0	25.0	50.0	150
2-Pentanone	FB	Ave	26247 1173486	48883	96353	177017	620974	4.00 240	8.00	20.0	40.0	120
Methyl methacrylate	FB	Ave	3236 243050	7087	17795	32297	111466	2.00 120	4.00	10.0	20.0	60.0
Methylcyclohexane	FB	Ave	44783 2234675	82646	215016	382820	1205776	1.00 60.0	2.00	5.00	10.0	30.0
2-Chloroethyl vinyl ether	FB	Ave	4906 341903	9072	22261	43816	153949	1.00 60.0	2.00	5.00	10.0	30.0
2-Nitropropane	FB	Ave	+++++ 119190	3328	9163	16318	54331	+++++ 60.0	2.00	5.00	10.0	30.0
Ethyl methacrylate	CBZ	Ave	20256 1414991	38443	102513	194068	693717	2.00 120	4.00	10.0	20.0	60.0
cis-1,4-Dichloro-2-butene	DCB	Ave	+++++ 185188	4680	12457	24314	82955	+++++ 60.0	2.00	5.00	10.0	30.0
trans-1,4-Dichloro-2-butene	DCB	Lin1	1666 160219	3648	11575	21524	71771	1.00 60.0	2.00	5.00	10.0	30.0
Dibromofluoromethane (Surr)	FB	Lin2	+++++ 921546	120280	209196	345366	633338	+++++ 30.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Lin	+++++ 642490	76316	138275	225969	413489	+++++ 30.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Lin1	+++++ 2745828	375729	621012	1015019	1982197	+++++ 30.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene (Surr)	DCB	Lin2	+++++ 845979	107774	179805	284413	588778	+++++ 30.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6354.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 07:32
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 1.0 5uL 190x LOT:DF700
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.560	8.561	(1.000)	1180587	12.5000	
*	88 Chlorobenzene-d5	119	11.430	11.431	(1.000)	239897	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.043	14.044	(1.000)	330049	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.968	7.959	(0.931)	127148	1.00000	1.80416
$	58 1,2-Dichloroethane-d4	65	8.294	8.285	(0.969)	81124	1.00000	2.03365
$	76 Toluene-d8	98	9.951	9.951	(0.871)	408290	1.00000	1.75144
$	99 4-Bromofluorobenzene (Surr)	95	12.741	12.742	(0.907)	113421	1.00000	1.79764
	11 Ethylene Oxide	43	5.207	5.198	(0.608)	61454	125.000	132.929(Q)
	14 Dichlorofluoromethane	67	5.543	5.534	(0.648)	65385	1.00000	0.962998(a)
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.809	5.810	(0.679)	32221	1.00000	0.983219(a)
	21 Propylene Oxide	58	5.927	5.908	(0.692)	75755	50.0000	44.3786
	19 Ethyl Ether	59	5.799	5.790	(0.677)	10632	1.00000	0.931136(a)
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.858	5.849	(0.684)	50021	1.00000	0.962807(a)
	23 Trichlorotrifluoroethane	151	6.105	6.096	(0.713)	27185	1.00000	0.985794(a)
	18 2-propanol	45	5.809	5.790	(0.679)	8885	20.0000	19.8297
	27 Methyl Acetate	43	6.351	6.332	(0.742)	28260	5.00000	4.92921
	29 Allyl Chloride	41	6.410	6.391	(0.749)	43741	1.00000	0.963382(a)
	30 Carbon Disulfide	76	6.420	6.411	(0.750)	120707	1.00000	0.942555(a)
	34 Methyl t-butyl ether	73	6.696	6.687	(0.782)	28397	1.00000	0.893172(a)
	36 Hexane	57	6.913	6.904	(0.605)	43310	1.00000	0.966038(a)
	37 Vinyl acetate	43	7.041	7.023	(0.823)	43699	2.00000	1.86666(a)
	41 ETBE	59	7.357	7.348	(0.859)	236500	5.00000	4.40670
	42 Ethyl Acetate	43	7.515	7.496	(0.878)	19198	2.00000	2.15282

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44	2-Butanol	45	7.574	7.565	(0.885)	13078	30.0000	26.4747
51	Tetrahydrofuran	42	Compound Not Detected.					
55	Cyclohexane	56	8.126	8.127	(0.949)	51587	1.00000	0.979869(a)
59	TAME	73	8.343	8.344	(0.975)	165029	5.00000	4.31053
65	2-Pentanone	43	8.935	8.926	(1.044)	26247	4.00000	4.37597
67	Methyl Cyclohexane	55	9.083	9.084	(1.061)	44783	1.00000	0.969960(a)
66	Methyl Methacrylate	100	9.024	9.024	(1.054)	3236	2.00000	1.60090
73	2-nitropropane	41	9.477	9.478	(1.107)	1243	1.00000	0.599006(aQ)
72	2-Chloroethyl vinyl ether	63	9.467	9.458	(1.106)	4906	1.00000	0.891342(a)
78	Ethyl methacrylate	69	10.118	10.119	(0.885)	20256	2.00000	1.71318
85	Tetrahydrothiophene	60	10.868	10.859	(0.951)	2625	1.00000	1.53173
97	cis-1,4-dichloro-2-butene	53	12.564	12.574	(0.895)	2335	1.00000	0.797042(a)
101	t-1,4-Dichloro-2-butene	53	12.869	12.870	(0.916)	1666	1.00000	1.02444
115	1,2,3-Trimethylbenzene	105	14.082	14.083	(1.003)	77770	1.00000	0.944851(a)
119	Tetralin	104	Compound Not Detected.					

QC Flag Legend

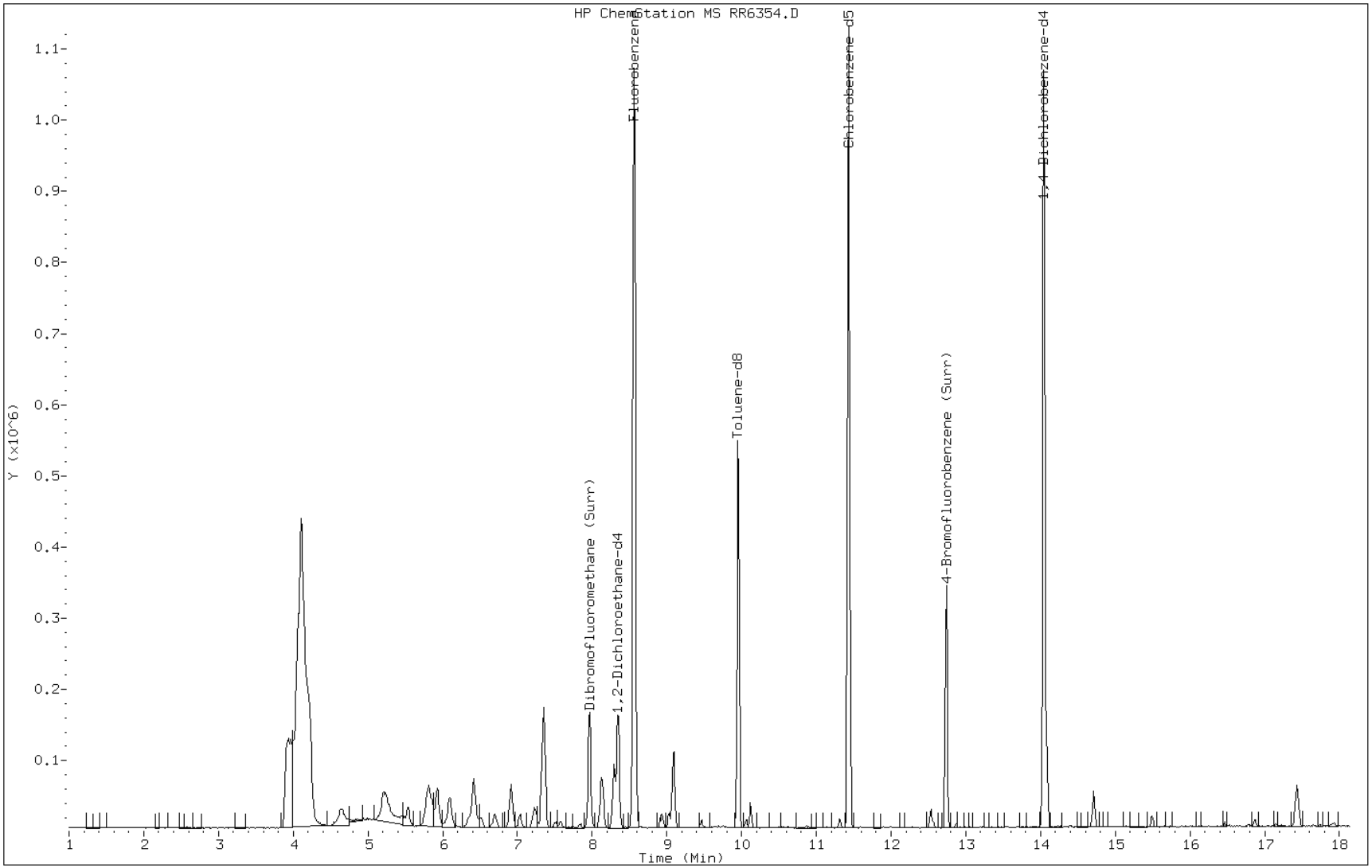
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6354.D

Date: 14-JUN-2012 07:32

Client ID: Instrument: R2.i

Sample Info: IC,,S 1.0 5uL 190x LOT:DF700 Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6355.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 07:54
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 2.0 10uL 10x
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.559	8.561	(1.000)	1071390	12.5000	
* 88	Chlorobenzene-d5	119	11.429	11.431	(1.000)	219106	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.042	14.044	(1.000)	301399	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.968	7.959	(0.931)	120280	2.00000	1.96031
$ 58	1,2-Dichloroethane-d4	65	8.293	8.285	(0.969)	76316	2.00000	2.15913
$ 76	Toluene-d8	98	9.960	9.951	(0.871)	375729	2.00000	1.78353
$ 99	4-Bromofluorobenzene (Surr)	95	12.741	12.742	(0.907)	107774	2.00000	1.95927
11	Ethylene Oxide	43	5.226	5.198	(0.611)	104738	250.000	249.646(Q)
14	Dichlorofluoromethane	67	5.542	5.534	(0.647)	116677	2.00000	1.89358
17	1,2-dichloro-1,1,2-trifluoroe	117	5.808	5.810	(0.679)	59377	2.00000	1.99655
21	Propylene Oxide	58	5.927	5.908	(0.692)	146404	100.000	94.5075
19	Ethyl Ether	59	5.798	5.790	(0.677)	19767	2.00000	1.90761
20	2,2-dichloro-1,1,1-trifluoroe	83	5.848	5.849	(0.683)	93968	2.00000	1.99305
23	Trichlorotrifluoroethane	151	6.094	6.096	(0.712)	48127	2.00000	1.92307
18	2-propanol	45	5.798	5.790	(0.677)	15451	40.0000	37.9985
27	Methyl Acetate	43	6.351	6.332	(0.742)	51199	10.0000	9.84050
29	Allyl Chloride	41	6.400	6.391	(0.748)	79804	2.00000	1.93680
30	Carbon Disulfide	76	6.420	6.411	(0.750)	222539	2.00000	1.91483
34	Methyl t-butyl ether	73	6.696	6.687	(0.782)	51987	2.00000	1.80180
36	Hexane	57	6.913	6.904	(0.605)	80267	2.00000	1.96026
37	Vinyl acetate	43	7.041	7.023	(0.823)	79265	4.00000	3.73100
41	ETBE	59	7.347	7.348	(0.858)	449958	10.0000	9.23857
42	Ethyl Acetate	43	7.504	7.496	(0.877)	35047	4.00000	4.33064

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44	2-Butanol	45	7.573	7.565	(0.885)	24405	60.0000	54.4402
51	Tetrahydrofuran	42	7.840	7.841	(0.916)	6859	4.00000	3.84508
55	Cyclohexane	56	8.126	8.127	(0.949)	92439	2.00000	1.93479
59	TAME	73	8.343	8.344	(0.975)	315492	10.0000	9.08048
65	2-Pentanone	43	8.934	8.926	(1.044)	48883	8.00000	8.98054
67	Methyl Cyclohexane	55	9.092	9.084	(1.062)	82646	2.00000	1.97248
66	Methyl Methacrylate	100	9.023	9.024	(1.054)	7087	4.00000	3.86338(Q)
73	2-nitropropane	41	9.477	9.478	(1.107)	3328	2.00000	1.76723(Q)
72	2-Chloroethyl vinyl ether	63	9.457	9.458	(1.105)	9072	2.00000	1.81623
78	Ethyl methacrylate	69	10.118	10.119	(0.885)	38443	4.00000	3.55989
85	Tetrahydrothiophene	60	10.867	10.859	(0.951)	5451	2.00000	2.04644
97	cis-1,4-dichloro-2-butene	53	12.573	12.574	(0.895)	4680	2.00000	1.74935
101	t-1,4-Dichloro-2-butene	53	12.869	12.870	(0.916)	3648	2.00000	1.87145
115	1,2,3-Trimethylbenzene	105	14.082	14.083	(1.003)	141644	2.00000	1.88446
119	Tetralin	104	Compound Not Detected.					

QC Flag Legend

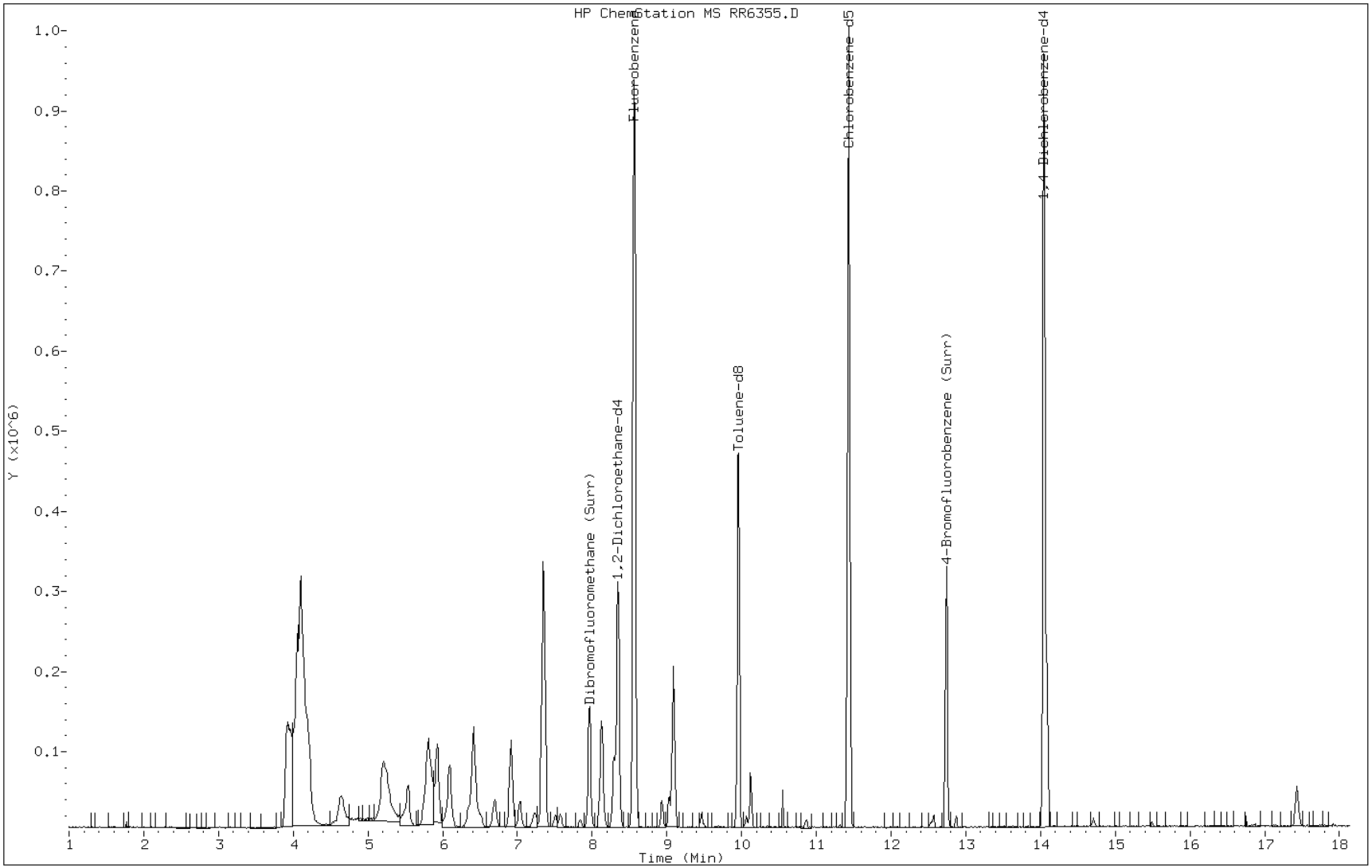
Q - Qualifier signal failed the ratio test.

Data File: RR6355.D

Date: 14-JUN-2012 07:54

Client ID: Instrument: R2.i

Sample Info: IC,,S 2.0 10uL 10x Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6356.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 08:17
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 5.0 2.5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
*	62 Fluorobenzene	96	8.557	8.561	(1.000)	1000714	12.5000	
*	88 Chlorobenzene-d5	119	11.427	11.431	(1.000)	198154	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.040	14.044	(1.000)	278541	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.956	7.959	(0.930)	209196	5.00000	5.26984
$	58 1,2-Dichloroethane-d4	65	8.281	8.285	(0.968)	138275	5.00000	5.49801
$	76 Toluene-d8	98	9.948	9.951	(0.871)	621012	5.00000	5.31642
$	99 4-Bromofluorobenzene (Surr)	95	12.738	12.742	(0.907)	179805	5.00000	5.30013
	11 Ethylene Oxide	43	5.204	5.198	(0.608)	278063	625.000	709.580
	14 Dichlorofluoromethane	67	5.530	5.534	(0.646)	323170	5.00000	5.61521
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.806	5.810	(0.678)	150731	5.00000	5.42627
	21 Propylene Oxide	58	5.914	5.908	(0.691)	391005	250.000	270.230
	19 Ethyl Ether	59	5.796	5.790	(0.677)	54260	5.00000	5.60616
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.855	5.849	(0.684)	241209	5.00000	5.47732
	23 Trichlorotrifluoroethane	151	6.092	6.096	(0.712)	128518	5.00000	5.49805
	18 2-propanol	45	5.786	5.790	(0.676)	42061	100.000	110.746
	27 Methyl Acetate	43	6.338	6.332	(0.741)	132610	25.0000	27.2879
	29 Allyl Chloride	41	6.397	6.391	(0.748)	213533	5.00000	5.54834
	30 Carbon Disulfide	76	6.417	6.411	(0.750)	605561	5.00000	5.57854
	34 Methyl t-butyl ether	73	6.693	6.687	(0.782)	144825	5.00000	5.37396
	36 Hexane	57	6.910	6.904	(0.605)	212445	5.00000	5.73686
	37 Vinyl acetate	43	7.029	7.023	(0.821)	215526	10.0000	10.8613
	41 ETBE	59	7.344	7.348	(0.858)	1218502	25.0000	26.7853
	42 Ethyl Acetate	43	7.502	7.496	(0.877)	74329	10.0000	9.83326

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44	2-Butanol	45	7.571	7.565	(0.885)	68501	150.000	163.597
51	Tetrahydrofuran	42	7.837	7.841	(0.916)	18349	10.0000	11.0127
55	Cyclohexane	56	8.123	8.127	(0.949)	241833	5.00000	5.41915
59	TAME	73	8.340	8.344	(0.975)	863742	25.0000	26.6160
65	2-Pentanone	43	8.932	8.926	(1.044)	96353	20.0000	18.9517
67	Methyl Cyclohexane	55	9.090	9.084	(1.062)	215016	5.00000	5.49413
66	Methyl Methacrylate	100	9.030	9.024	(1.055)	17795	10.0000	10.3858
73	2-nitropropane	41	9.474	9.478	(1.107)	9163	5.00000	5.20937
72	2-Chloroethyl vinyl ether	63	9.464	9.458	(1.106)	22261	5.00000	4.77144
78	Ethyl methacrylate	69	10.115	10.119	(0.885)	102513	10.0000	10.4966
85	Tetrahydrothiophene	60	10.865	10.859	(0.951)	20091	5.00000	4.87225
97	cis-1,4-dichloro-2-butene	53	12.571	12.574	(0.895)	12457	5.00000	5.03845
101	t-1,4-Dichloro-2-butene	53	12.866	12.870	(0.916)	11575	5.00000	5.40704
115	1,2,3-Trimethylbenzene	105	14.079	14.083	(1.003)	373997	5.00000	5.38405
119	Tetralin	104	Compound Not Detected.					

Data File: RR6356.D

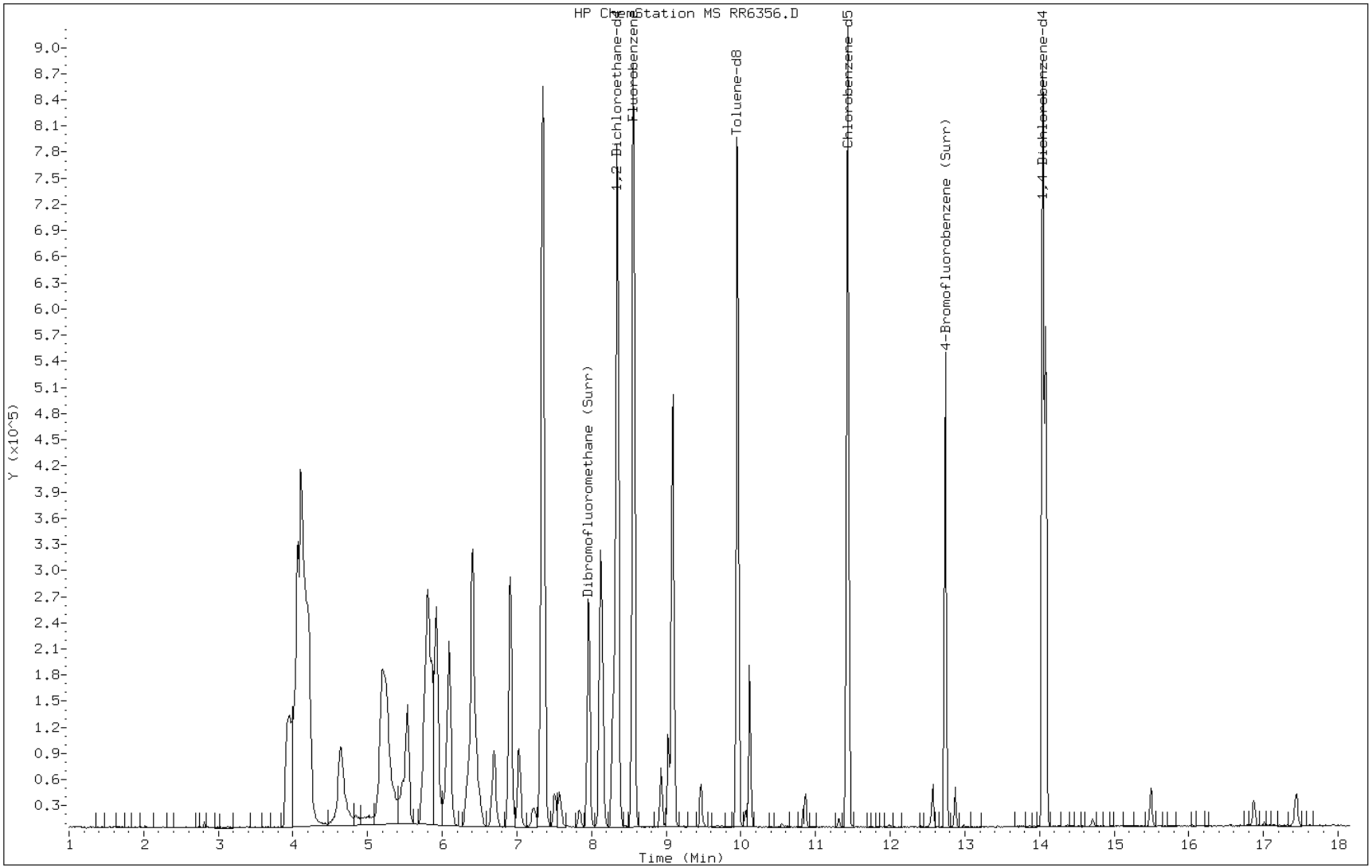
Date: 14-JUN-2012 08:17

Client ID:

Instrument: R2.i

Sample Info: IC,,S 5.0 2.5uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6357.D
Lab Smp Id: ICIS
Inj Date : 14-JUN-2012 08:39
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICIS,,S 10 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.556	8.561	(1.000)	976634	12.5000	
*	88 Chlorobenzene-d5	119	11.426	11.431	(1.000)	189086	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.039	14.044	(1.000)	271569	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.955	7.959	(0.930)	345366	10.0000	10.2140
$	58 1,2-Dichloroethane-d4	65	8.280	8.285	(0.968)	225969	10.0000	10.1463
$	76 Toluene-d8	98	9.947	9.951	(0.871)	1015019	10.0000	10.8779
$	99 4-Bromofluorobenzene (Surr)	95	12.737	12.742	(0.907)	284413	10.0000	9.96165
	11 Ethylene Oxide	43	5.194	5.198	(0.607)	490235	1250.00	1281.86
	14 Dichlorofluoromethane	67	5.529	5.534	(0.646)	573495	10.0000	10.2104
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.805	5.810	(0.678)	271599	10.0000	10.0186
	21 Propylene Oxide	58	5.913	5.908	(0.691)	735644	500.000	520.951
	19 Ethyl Ether	59	5.785	5.790	(0.676)	92394	10.0000	9.78155
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.844	5.849	(0.683)	435152	10.0000	10.1250
	23 Trichlorotrifluoroethane	151	6.091	6.096	(0.712)	229085	10.0000	10.0420
	18 2-propanol	45	5.785	5.790	(0.676)	74213	200.000	200.219
	27 Methyl Acetate	43	6.328	6.332	(0.740)	235605	50.0000	49.6771
	29 Allyl Chloride	41	6.387	6.391	(0.746)	384568	10.0000	10.2388
	30 Carbon Disulfide	76	6.406	6.411	(0.749)	1087335	10.0000	10.2637
	34 Methyl t-butyl ether	73	6.683	6.687	(0.781)	269274	10.0000	10.2382
	36 Hexane	57	6.900	6.904	(0.604)	374513	10.0000	10.5984
	37 Vinyl acetate	43	7.018	7.023	(0.820)	394883	20.0000	20.3905
	41 ETBE	59	7.343	7.348	(0.858)	2265888	50.0000	51.0372
	42 Ethyl Acetate	43	7.501	7.496	(0.877)	125753	20.0000	17.0465

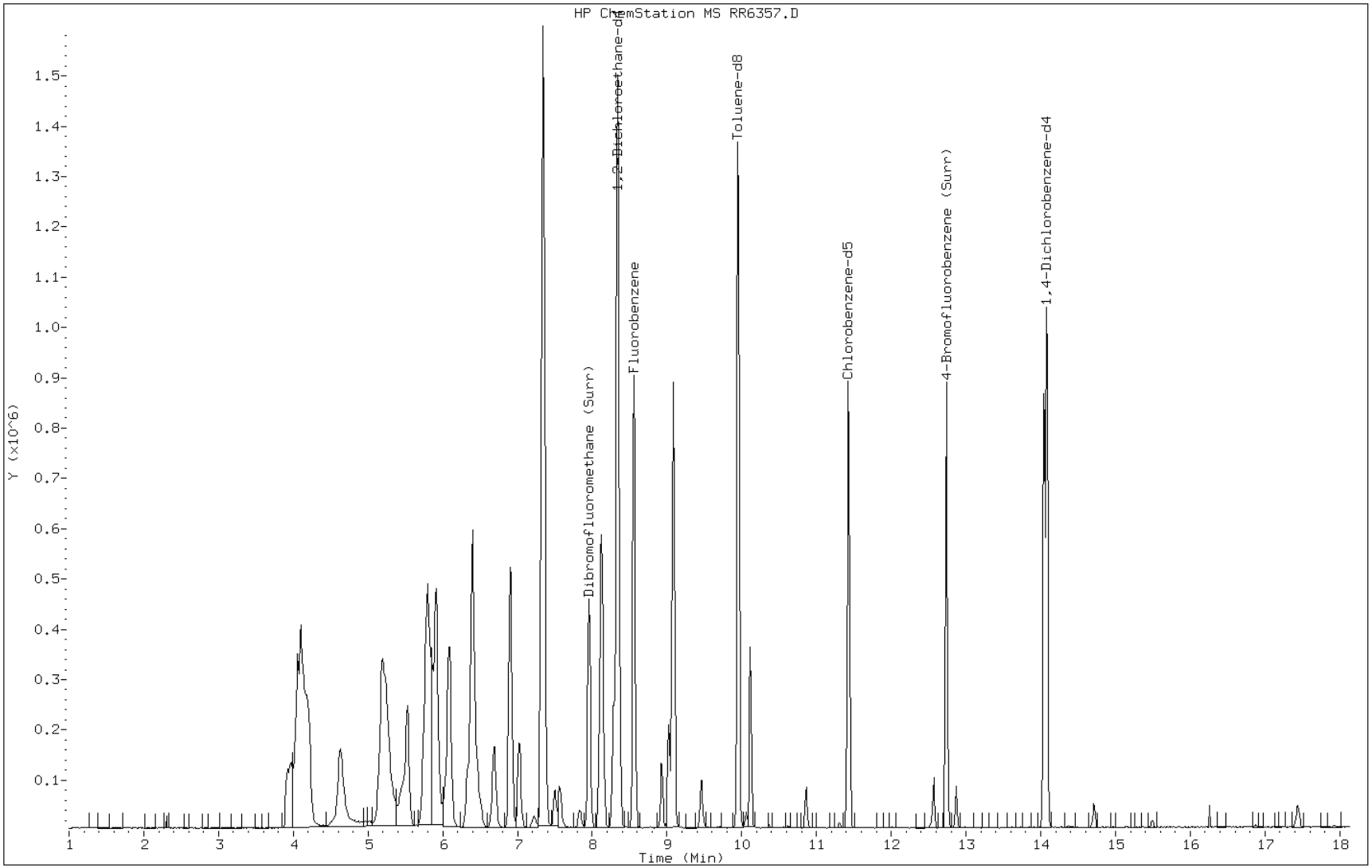
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
44	2-Butanol	45	7.560	7.565	(0.884)	128626	300.000	314.764
51	Tetrahydrofuran	42	7.836	7.841	(0.916)	32648	20.0000	20.0778
55	Cyclohexane	56	8.122	8.127	(0.949)	437316	10.0000	10.0413
59	TAME	73	8.339	8.344	(0.975)	1604846	50.0000	50.6722
65	2-Pentanone	43	8.921	8.926	(1.043)	177017	40.0000	35.6759
67	Methyl Cyclohexane	55	9.089	9.084	(1.062)	382820	10.0000	10.0231
66	Methyl Methacrylate	100	9.020	9.024	(1.054)	32297	20.0000	19.3145
73	2-nitropropane	41	9.473	9.478	(1.107)	16318	10.0000	9.50589
72	2-Chloroethyl vinyl ether	63	9.454	9.458	(1.105)	43816	10.0000	9.62311
78	Ethyl methacrylate	69	10.114	10.119	(0.885)	194068	20.0000	20.8242
85	Tetrahydrothiophene	60	10.864	10.859	(0.951)	42117	10.0000	9.35401
97	cis-1,4-dichloro-2-butene	53	12.570	12.574	(0.895)	24314	10.0000	10.0867
101	t-1,4-Dichloro-2-butene	53	12.866	12.870	(0.916)	21524	10.0000	9.93298
115	1,2,3-Trimethylbenzene	105	14.079	14.083	(1.003)	687985	10.0000	10.1585
119	Tetralin	104	Compound Not Detected.					

Data File: RR6357.D

Date: 14-JUN-2012 08:39

Client ID: Instrument: R2.i

Sample Info: ICIS,,S 10 5uL Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6358.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 09:01
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 30 15uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:01 Cal File: RR6358.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.560	8.561	(1.000)	1043101	12.5000	
* 88 Chlorobenzene-d5	119	11.429	11.431	(1.000)	222624	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.043	14.044	(1.000)	308909	12.5000	
$ 52 Dibromofluoromethane (Surr)	111	7.958	7.959	(0.930)	633338	20.0000	18.8840
$ 58 1,2-Dichloroethane-d4	65	8.284	8.285	(0.968)	413489	20.0000	18.3770
$ 76 Toluene-d8	98	9.950	9.951	(0.871)	1982197	20.0000	19.6799
$ 99 4-Bromofluorobenzene (Surr)	95	12.741	12.742	(0.907)	588778	20.0000	19.9246
11 Ethylene Oxide	43	5.197	5.198	(0.607)	1344218	3750.00	3290.88
14 Dichlorofluoromethane	67	5.532	5.534	(0.646)	1731366	30.0000	28.8608
17 1,2-dichloro-1,1,2-trifluoroe	117	5.809	5.810	(0.679)	830852	30.0000	28.6950
21 Propylene Oxide	58	5.917	5.908	(0.691)	2209218	1500.00	1464.78
19 Ethyl Ether	59	5.789	5.790	(0.676)	296094	30.0000	29.3494
20 2,2-dichloro-1,1,1-trifluoroe	83	5.848	5.849	(0.683)	1330004	30.0000	28.9742
23 Trichlorotrifluoroethane	151	6.085	6.096	(0.711)	706955	30.0000	29.0148
18 2-propanol	45	5.789	5.790	(0.676)	226935	600.000	573.235
27 Methyl Acetate	43	6.331	6.332	(0.740)	713204	150.000	140.796(A)
29 Allyl Chloride	41	6.390	6.391	(0.747)	1164794	30.0000	29.0356
30 Carbon Disulfide	76	6.410	6.411	(0.749)	3307190	30.0000	29.2284
34 Methyl t-butyl ether	73	6.686	6.687	(0.781)	846631	30.0000	30.1390
36 Hexane	57	6.903	6.904	(0.604)	1156013	30.0000	27.7857
37 Vinyl acetate	43	7.022	7.023	(0.820)	1212588	60.0000	58.6243
41 ETBE	59	7.347	7.348	(0.858)	7133532	150.000	150.438(A)
42 Ethyl Acetate	43	7.505	7.496	(0.877)	456266	60.0000	57.9083

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44	2-Butanol	45	7.564	7.565	(0.884)	386006	900.000	884.415
51	Tetrahydrofuran	42	7.840	7.841	(0.916)	95894	60.0000	55.2150
55	Cyclohexane	56	8.126	8.127	(0.949)	1389724	30.0000	29.8764
59	TAME	73	8.343	8.344	(0.975)	5141813	150.000	152.005(A)
65	2-Pentanone	43	8.935	8.926	(1.044)	620974	120.000	117.176(A)
67	Methyl Cyclohexane	55	9.083	9.084	(1.061)	1205776	30.0000	29.5582
66	Methyl Methacrylate	100	9.023	9.024	(1.054)	111466	60.0000	62.4121(A)
73	2-nitropropane	41	9.477	9.478	(1.107)	54331	30.0000	29.6332
72	2-Chloroethyl vinyl ether	63	9.467	9.458	(1.106)	153949	30.0000	31.6567
78	Ethyl methacrylate	69	10.118	10.119	(0.885)	693717	60.0000	63.2243(A)
85	Tetrahydrothiophene	60	10.867	10.859	(0.951)	164770	30.0000	28.4625
97	cis-1,4-dichloro-2-butene	53	12.573	12.574	(0.895)	82955	30.0000	30.2541
101	t-1,4-Dichloro-2-butene	53	12.869	12.870	(0.916)	71771	30.0000	28.3093
115	1,2,3-Trimethylbenzene	105	14.082	14.083	(1.003)	2347744	30.0000	30.4754
119	Tetralin	104	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: RR6358.D

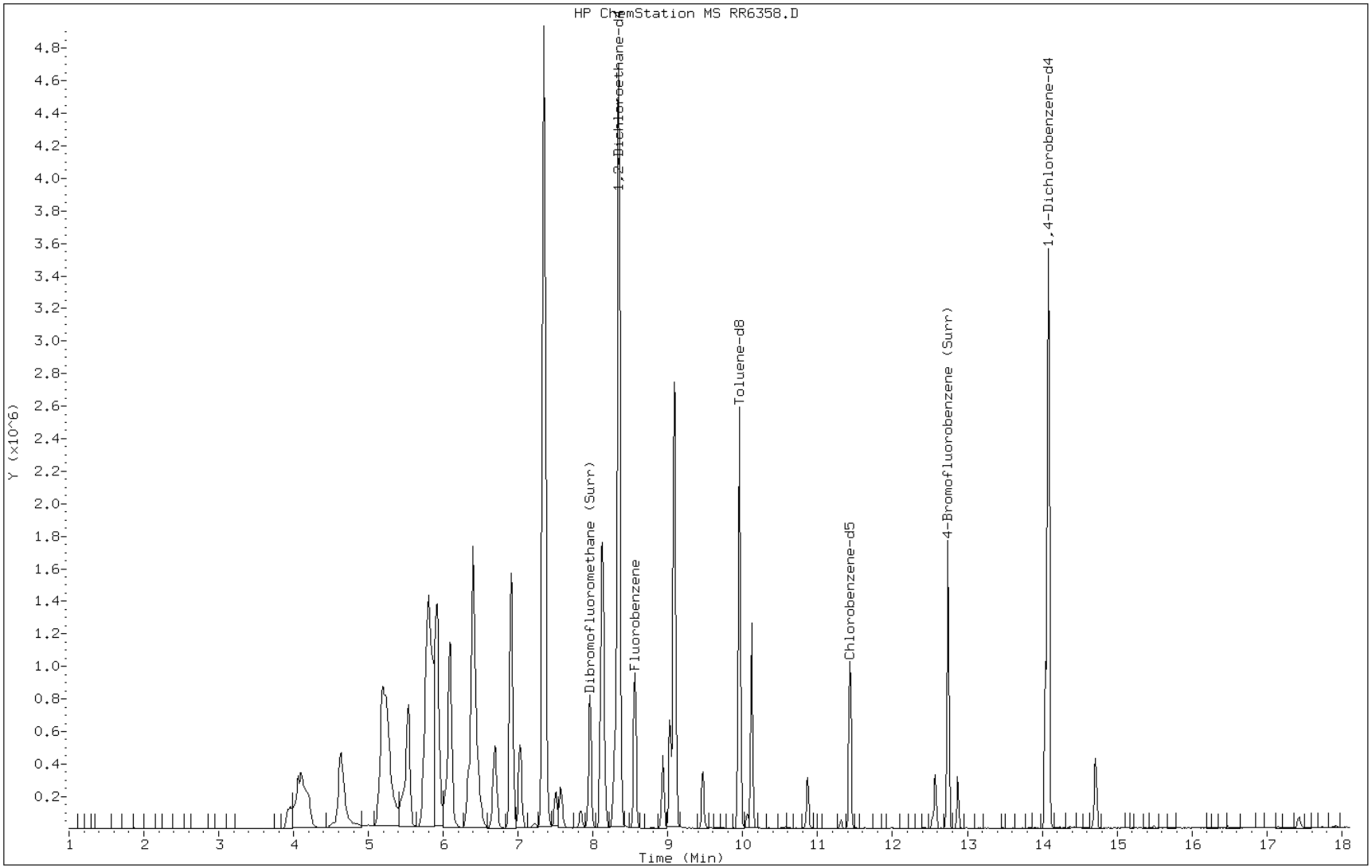
Date: 14-JUN-2012 09:01

Client ID:

Instrument: R2.i

Sample Info: IC,,S 30 15uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6359.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 09:23
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 60 30uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.561	8.561	(1.000)	994747	12.5000	
*	88 Chlorobenzene-d5	119	11.431	11.431	(1.000)	215765	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.044	14.044	(1.000)	315971	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.959	7.959	(0.930)	921546	30.0000	29.8008
$	58 1,2-Dichloroethane-d4	65	8.285	8.285	(0.968)	642490	30.0000	30.8196
$	76 Toluene-d8	98	9.951	9.951	(0.871)	2745828	30.0000	29.1950
$	99 4-Bromofluorobenzene (Surr)	95	12.742	12.742	(0.907)	845979	30.0000	28.8747
	11 Ethylene Oxide	43	5.198	5.198	(0.607)	2628170	7500.00	6746.98
	14 Dichlorofluoromethane	67	5.534	5.534	(0.646)	3377999	60.0000	59.0462
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.810	5.810	(0.679)	1615151	60.0000	58.4938
	21 Propylene Oxide	58	5.908	5.908	(0.690)	4608379	3000.00	3204.03(A)
	19 Ethyl Ether	59	5.790	5.790	(0.676)	598821	60.0000	62.2415(A)
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.849	5.849	(0.683)	2539571	60.0000	58.0140
	23 Trichlorotrifluoroethane	151	6.096	6.096	(0.712)	1368632	60.0000	58.9018
	18 2-propanol	45	5.790	5.790	(0.676)	450596	1200.00	1193.53
	27 Methyl Acetate	43	6.332	6.332	(0.740)	1458495	300.000	301.923(A)
	29 Allyl Chloride	41	6.391	6.391	(0.747)	2219226	60.0000	58.0092
	30 Carbon Disulfide	76	6.411	6.411	(0.749)	6368567	60.0000	59.0203
	34 Methyl t-butyl ether	73	6.687	6.687	(0.781)	1772366	60.0000	66.1609(A)
	36 Hexane	57	6.904	6.904	(0.604)	2144701	60.0000	53.1883
	37 Vinyl acetate	43	7.023	7.023	(0.820)	2488215	120.000	126.144(A)
	41 ETBE	59	7.348	7.348	(0.858)	14918883	300.000	329.917(A)
	42 Ethyl Acetate	43	7.496	7.496	(0.876)	937859	120.000	124.817(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44	2-Butanol	45	7.565	7.565	(0.884)	814851	1800.00	1957.73(A)
51	Tetrahydrofuran	42	7.841	7.841	(0.916)	201395	120.000	121.598(A)
55	Cyclohexane	56	8.127	8.127	(0.949)	2578788	60.0000	58.1338
59	TAME	73	8.344	8.344	(0.975)	11016897	300.000	341.519(A)
65	2-Pentanone	43	8.926	8.926	(1.043)	1173486	240.000	232.198(A)
67	Methyl Cyclohexane	55	9.084	9.084	(1.061)	2234675	60.0000	57.4434
66	Methyl Methacrylate	100	9.024	9.024	(1.054)	243050	120.000	142.704(A)
73	2-nitropropane	41	9.478	9.478	(1.107)	119190	60.0000	68.1687(A)
72	2-Chloroethyl vinyl ether	63	9.458	9.458	(1.105)	341903	60.0000	73.7233(A)
78	Ethyl methacrylate	69	10.119	10.119	(0.885)	1414991	120.000	133.060(A)
85	Tetrahydrothiophene	60	10.859	10.859	(0.950)	379046	60.0000	66.0094(A)
97	cis-1,4-dichloro-2-butene	53	12.574	12.574	(0.895)	185188	60.0000	66.0296(A)
101	t-1,4-Dichloro-2-butene	53	12.870	12.870	(0.916)	160219	60.0000	61.2894(A)
115	1,2,3-Trimethylbenzene	105	14.083	14.083	(1.003)	4748781	60.0000	60.2649(A)
119	Tetralin	104	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: RR6359.D

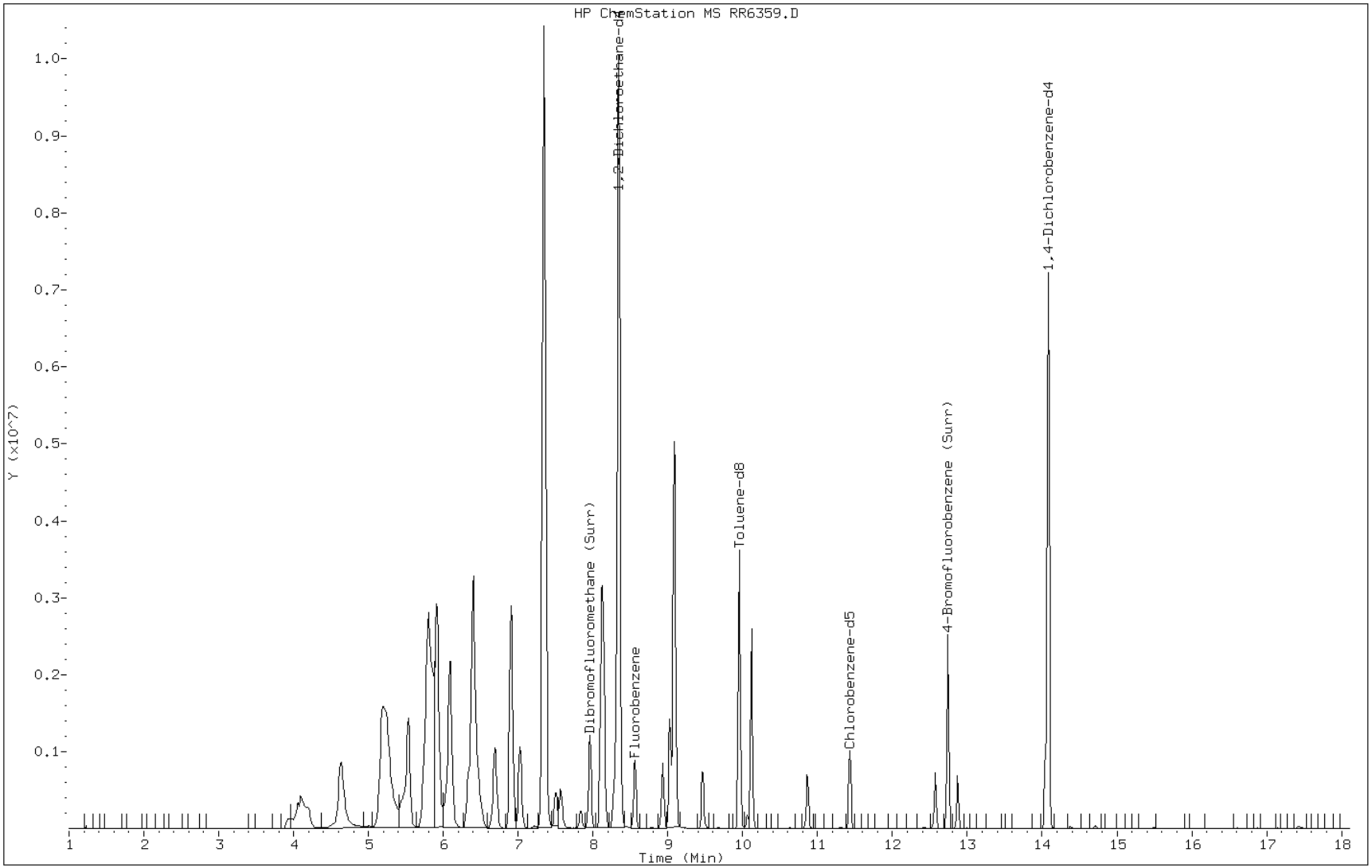
Date: 14-JUN-2012 09:23

Client ID:

Instrument: R2.i

Sample Info: IC,,S 60 30uL

Operator: DOBRANSKYM



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30335-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-124226/3	RR6388.D
Level 2	IC 280-124226/4	RR6389.D
Level 3	IC 280-124226/5	RR6390.D
Level 4	IC 280-124226/6	RR6391.D
Level 5	IC 280-124226/7	RR6392.D
Level 6	IC 280-124226/8	RR6393.D
Level 7	IC 280-124226/9	RR6394.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloroethene, Total	+++++ 0.3349	0.3657 0.3326	0.3326	0.3842	0.3324	Ave		0.3471				6.5		15.0			
Xylenes, Total	+++++ 2.4369	2.2788 2.4230	2.1435	2.6018	2.2827	Ave		2.3611				6.8		15.0			
Ethanol	+++++ 0.0007	+++++ 0.0008	0.0007	0.0009	0.0008	Ave		0.0008				9.9		15.0			
Dichlorodifluoromethane	+++++ 0.3461	0.3173 0.3138	0.3334	0.4054	0.3531	Ave		0.3448				9.7		15.0			
Chloromethane	+++++ 0.2775	0.3256 0.2696	0.2861	0.3354	0.2872	Ave		0.2969			0.1000	9.1		15.0			
Vinyl chloride	+++++ 0.3153	0.2985 0.2967	0.3060	0.3733	0.3253	Ave		0.3192				9.0		30.0			
Bromomethane	+++++ 0.2794	0.3159 0.2714	0.2935	0.3328	0.2987	Ave		0.2986				7.6		15.0			
Chloroethane	+++++ 0.1892	0.2370 0.1821	0.2019	0.2287	0.1989	Ave		0.2063				10.6		15.0			
Trichlorofluoromethane	+++++ 0.5501	0.4556 0.5094	0.5430	0.6310	0.5500	Ave		0.5398				10.7		15.0			
Acrolein	+++++ 0.0128	+++++ 0.0126	0.0121	0.0135	0.0126	Ave		0.0127				3.9		15.0			
Acetone	+++++ 0.0230	0.0497 0.0214	0.0344	0.0315	0.0241	Lin	-0.567	0.0210							0.9991		
1,1-Dichloroethene	+++++ 0.3123	0.3697 0.3079	0.3248	0.3712	0.3263	Ave		0.3354				8.4		30.0			
Iodomethane	+++++ 0.6530	0.7307 0.6699	0.6474	0.7568	0.6598	Ave		0.6862				6.7		15.0			
Acetonitrile	+++++ 0.0076	0.0096 0.0075	0.0095	0.0102	0.0084	Ave		0.0088				12.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30335-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Butanone (MEK)	+++++ 0.0351	0.0372 0.0338	0.0333	0.0369	0.0337	Ave		0.0350				4.9		15.0			
2-Methyl-2-propanol	+++++ 0.0059	0.0059 0.0060	0.0057	0.0067	0.0059	Ave		0.0060				5.8		15.0			
Methylene Chloride	+++++ 0.2619	0.3766 0.2549	0.3066	0.3286	0.2705	Lin	-0.066	0.2523							0.9997		
1,4-Dioxane	+++++ 0.0007	+++++ 0.0007	0.0006	0.0008	0.0007	Ave		0.0007				9.5		15.0			
Acrylonitrile	+++++ 0.0264	0.0273 0.0252	0.0253	0.0303	0.0262	Ave		0.0268				7.0		15.0			
trans-1,2-Dichloroethene	+++++ 0.3438	0.3914 0.3385	0.3487	0.4004	0.3469	Ave		0.3616				7.4		15.0			
Isopropyl ether	+++++ 0.1629	0.1577 0.1670	0.1514	0.1781	0.1593	Ave		0.1627				5.6		15.0			
1,1-Dichloroethane	+++++ 0.5776	0.6154 0.5738	0.5818	0.6667	0.5775	Ave		0.5988			0.1000	6.1		15.0			
2-Chloro-1,3-butadiene	+++++ 0.5750	0.5840 0.5583	0.5302	0.6375	0.5513	Ave		0.5727				6.4		15.0			
cis-1,2-Dichloroethene	+++++ 0.3260	0.3399 0.3267	0.3164	0.3680	0.3180	Ave		0.3325				5.8		15.0			
Propionitrile	+++++ 0.0094	+++++ 0.0093	0.0088	0.0106	0.0094	Ave		0.0095				7.0		15.0			
2,2-Dichloropropane	+++++ 0.4564	0.5149 0.4527	0.4697	0.5339	0.4638	Ave		0.4819				7.0		15.0			
Methacrylonitrile	+++++ 0.0507	0.0509 0.0497	0.0490	0.0584	0.0499	Ave		0.0514				6.8		15.0			
Chlorobromomethane	+++++ 0.1253	0.1256 0.1249	0.1174	0.1384	0.1218	Ave		0.1256				5.6		15.0			
Chloroform	0.7018 0.5654	0.6002 0.5654	0.5420	0.6325	0.5475	Ave		0.5936				9.6		30.0			
Isobutyl alcohol	+++++ 0.0021	0.0021 0.0021	0.0019	0.0023	0.0021	Ave		0.0021				5.4		15.0			
1,1,1-Trichloroethane	+++++ 0.5398	0.5604 0.5381	0.5086	0.6014	0.5294	Ave		0.5463				5.8		15.0			
1,1-Dichloropropene	+++++ 0.4904	0.5172 0.4754	0.4616	0.5418	0.4745	Ave		0.4935				6.2		15.0			
Carbon tetrachloride	+++++ 0.5071	0.5283 0.4983	0.4872	0.5698	0.4973	Ave		0.5147				5.9		15.0			
1,2-Dichloroethane	0.1839 0.2529	0.2524 0.2478	0.2374	0.2759	0.2468	Ave		0.2424				11.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30335-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzene	1.3794 1.1215	1.1783 1.1061	1.0595	1.2275	1.0686	Ave		1.1630				9.7		15.0			
Trichloroethene	+++++ 0.3540	0.3556 0.3489	0.3253	0.3912	0.3315	Ave		0.3511				6.6		15.0			
1,2-Dichloropropane	+++++ 0.2479	0.2579 0.2453	0.2292	0.2771	0.2411	Ave		0.2498				6.5		30.0			
Dibromomethane	+++++ 0.1184	0.1221 0.1171	0.1106	0.1300	0.1155	Ave		0.1189				5.6		15.0			
Dichlorobromomethane	0.3777 0.3289	0.3144 0.3263	0.3052	0.3557	0.3157	Ave		0.3320				7.8		15.0			
cis-1,3-Dichloropropene	0.3930 0.3348	0.3113 0.3355	0.2947	0.3572	0.3136	Ave		0.3343				9.8		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.0791	0.0738 0.0769	0.0720	0.0859	0.0779	Ave		0.0776				6.2		15.0			
Toluene	+++++ 1.1533	1.1029 1.1581	1.1003	1.3093	1.1403	Ave		1.1607				6.6		30.0			
trans-1,3-Dichloropropene	+++++ 0.2479	0.2190 0.2431	0.2216	0.2605	0.2349	Ave		0.2378				6.7		15.0			
1,1,2-Trichloroethane	+++++ 0.1209	0.1173 0.1209	0.1191	0.1372	0.1176	Ave		0.1222				6.2		15.0			
2-Hexanone	+++++ 0.2538	0.2666 0.2403	0.2208	0.2731	0.2481	Ave		0.2504				7.5		15.0			
1,3-Dichloropropane	1.3392 1.0475	1.0467 1.0128	0.9185	1.1279	1.0132	Ave		1.0722				12.4		15.0			
Tetrachloroethene	+++++ 1.5891	1.5834 1.5523	1.3930	1.6618	1.4896	Ave		1.5449				6.0		15.0			
Chlorodibromomethane	1.0504 0.9635	0.9278 0.9492	0.8527	1.0055	0.9060	Ave		0.9507				6.8		15.0			
Ethylene Dibromide	+++++ 0.6473	0.6256 0.6330	0.5965	0.7015	0.6130	Ave		0.6361				5.7		15.0			
1,2,3-Trichloropropane	+++++ 0.0991	0.0927 0.0975	0.0917	0.1074	0.0953	Ave		0.0973				5.9		15.0			
1-Chlorohexane	+++++ 2.2955	2.1766 2.1844	2.0825	2.5200	2.1975	Ave		2.2427				6.8		15.0			
Chlorobenzene	4.4599 3.5035	3.4649 3.4801	3.2431	3.8174	3.3737	Ave		3.6204			0.3000	11.3		15.0			
Ethylbenzene	+++++ 2.0372	1.9247 2.0126	1.7973	2.2268	1.9423	Ave		1.9901				7.2		30.0			
1,1,1,2-Tetrachloroethane	1.3159 1.2346	1.2181 1.2472	1.0588	1.2812	1.1347	Ave		1.2129				7.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30335-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
m-Xylene & p-Xylene	+++++ 2.5300	2.3273 2.5051	2.2303	2.6941	2.3575	Ave		2.4407				6.9		15.0			
o-Xylene	+++++ 2.2506	2.1817 2.2589	1.9699	2.4172	2.1332	Ave		2.2019				6.8		15.0			
Styrene	+++++ 3.4062	2.8335 3.4929	2.8118	3.5436	3.1742	Ave		3.2104				10.2		15.0			
Bromoform	+++++ 0.5491	0.5335 0.5411	0.4751	0.5884	0.5086	Ave		0.5326			0.1000	7.2		15.0			
Isopropylbenzene	+++++ 4.2496	3.9756 4.2926	3.8576	4.7375	4.0723	Ave		4.1975				7.4		15.0			
Cyclohexanone	+++++ 0.0134	0.0139 0.0126	0.0115	0.0136	0.0123	Ave		0.0129				7.1		15.0			
1,1,2,2-Tetrachloroethane	0.5781 0.3833	0.3886 0.3788	0.3638	0.4312	0.3776	Lin1	-0.010	0.3801			0.3000				0.9990		0.9900
Bromobenzene	+++++ 0.9898	0.9184 1.0381	0.8675	1.0567	0.9247	Ave		0.9659				7.7		15.0			
N-Propylbenzene	+++++ 1.1509	1.0902 1.1871	1.0553	1.2762	1.1237	Ave		1.1473				6.8		15.0			
1,3,5-Trimethylbenzene	+++++ 3.4751	3.1116 3.5744	3.0015	3.6763	3.2187	Ave		3.3429				8.1		15.0			
2-Chlorotoluene	+++++ 1.0102	0.9744 1.0398	0.9149	1.1111	0.9547	Ave		1.0008				6.9		15.0			
4-Chlorotoluene	+++++ 0.9528	0.9159 0.9714	0.9008	1.0562	0.9141	Ave		0.9519				6.1		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.0649	+++++ 0.0662	0.0576	0.0664	0.0619	Ave		0.0634				5.9		15.0			
tert-Butylbenzene	+++++ 3.0016	2.9048 3.0432	2.6601	3.2771	2.8990	Ave		2.9643				6.8		15.0			
1,2,4-Trimethylbenzene	+++++ 3.2867	3.1779 3.3990	2.9581	3.6188	3.1301	Ave		3.2618				7.0		15.0			
sec-Butylbenzene	+++++ 0.9381	0.8554 0.9396	0.8218	1.0370	0.8927	Ave		0.9141				8.3		15.0			
4-Isopropyltoluene	+++++ 3.8983	3.6773 3.9027	3.3656	4.1995	3.6142	Ave		3.7763				7.6		15.0			
1,3-Dichlorobenzene	+++++ 1.8700	1.8910 1.8875	1.7600	2.0171	1.7738	Ave		1.8666				5.0		15.0			
1,4-Dichlorobenzene	2.1790 1.7789	1.7912 1.7738	1.6262	1.9363	1.6887	Ave		1.8249				10.0		15.0			
n-Butylbenzene	+++++ 3.9317	3.9826 3.9162	3.5772	4.3239	3.6707	Ave		3.9004				6.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30335-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	+++++ 1.4437	1.4329 1.4552	1.3129	1.5697	1.3620	Ave		1.4294				6.2		15.0			
Naphthalene	+++++ 0.9993	0.9257 1.0134	0.8148	1.0076	0.9250	Ave		0.9476				8.1		15.0			
1,2,4-Trichlorobenzene	+++++ 1.0544	1.1130 1.0635	0.8897	1.0742	0.9728	Ave		1.0279				8.0		15.0			
Hexachlorobutadiene	1.1716 0.9616	0.9996 0.9351	0.8515	1.0203	0.8702	Ave		0.9728				11.0		15.0			
1,2,3-Trichlorobenzene	+++++ 0.7783	0.7770 0.7847	0.7115	0.8103	0.7401	Ave		0.7670				4.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30335-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-124226/3	RR6388.D
Level 2	IC 280-124226/4	RR6389.D
Level 3	IC 280-124226/5	RR6390.D
Level 4	IC 280-124226/6	RR6391.D
Level 5	IC 280-124226/7	RR6392.D
Level 6	IC 280-124226/8	RR6393.D
Level 7	IC 280-124226/9	RR6394.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloroethene, Total	FB	Ave	+++++ 1876476	62803 4057069	111075	317955	601701	+++++ 60.0	2.00 120	4.00	10.0	20.0
Xylenes, Total	CBZ	Ave	+++++ 4233844	114808 9368163	231307	692589	1318478	+++++ 90.0	3.00 180	6.00	15.0	30.0
Ethanol	FB	Ave	+++++ 104745	+++++ 235730	5696	18469	36228	+++++ 1500	+++++ 3000	100	250	500
Dichlorodifluoromethane	FB	Ave	+++++ 969592	27244 1913520	55682	167730	319515	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloromethane	FB	Ave	+++++ 777372	27960 1644300	47781	138774	259867	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 883176	25635 1809301	51093	154436	294376	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromomethane	FB	Ave	+++++ 782617	27125 1655442	49018	137682	270270	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroethane	FB	Ave	+++++ 530103	20351 1110468	33724	94606	179954	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 1541013	39125 3106492	90681	261061	497723	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acrolein	FB	Ave	+++++ 357758	+++++ 770894	20141	55657	113878	+++++ 300	+++++ 600	20.0	50.0	100
Acetone	FB	Lin	+++++ 257466	17086 522936	22970	52072	87133	+++++ 120	4.00 240	8.00	20.0	40.0
1,1-Dichloroethene	FB	Ave	+++++ 874743	31745 1877764	54248	153566	295287	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Iodomethane	FB	Ave	+++++ 1829151	62743 4085287	108107	313107	597109	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acetonitrile	FB	Ave	+++++ 211668	8241 458541	15877	42175	76318	+++++ 300	10.0 600	20.0	50.0	100
2-Butanone (MEK)	FB	Ave	+++++ 393752	12774 823447	22221	61056	121857	+++++ 120	4.00 240	8.00	20.0	40.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30335-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Methyl-2-propanol	FB	Ave	+++++ 329867	10216 733287	19150	55676	107088	+++++ 600	20.0 1200	40.0	100	200
Methylene Chloride	FB	Lin	+++++ 733686	32336 1554552	51204	135972	244805	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dioxane	FB	Ave	+++++ 99904	+++++ 210678	4917	15860	30176	+++++ 1500	+++++ 3000	100	250	500
Acrylonitrile	FB	Ave	+++++ 739916	23472 1536241	42329	125272	237416	+++++ 300	10.0 600	20.0	50.0	100
trans-1,2-Dichloroethene	FB	Ave	+++++ 963142	33613 2064700	58238	165680	313903	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Isopropyl ether	FB	Ave	+++++ 2281827	67707 5091301	126447	368483	720939	+++++ 150	5.00 300	10.0	25.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 1618005	52845 3499530	97150	275830	522606	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 1610782	50145 3404770	88541	263779	498874	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 913334	29190 1992369	52837	152275	287798	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Propionitrile	FB	Ave	+++++ 261936	+++++ 565986	14654	43786	85062	+++++ 300	+++++ 600	20.0	50.0	100
2,2-Dichloropropane	FB	Ave	+++++ 1278653	44217 2760959	78431	220883	419761	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Methacrylonitrile	FB	Ave	+++++ 1421494	43667 3030913	81762	241598	451726	+++++ 300	10.0 600	20.0	50.0	100
Chlorobromomethane	FB	Ave	+++++ 351070	10787 761765	19604	57272	110200	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroform	FB	Ave	18171 1583967	51541 3448295	90512	261677	495511	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Isobutyl alcohol	FB	Ave	+++++ 115790	3565 251476	6444	18829	37215	+++++ 600	20.0 1200	40.0	100	200
1,1,1-Trichloroethane	FB	Ave	+++++ 1512290	48119 3281463	84940	248817	479120	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 1373881	44415 2899163	77089	224178	429396	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 1420630	45366 3038969	81358	235771	450016	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichloroethane	FB	Ave	7936 708403	21672 1511106	39643	114137	223306	0.500 30.0	1.00 60.0	2.00	5.00	10.0
Benzene	FB	Ave	35715 3141757	101178 6745735	176931	507892	967058	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Trichloroethene	FB	Ave	+++++ 991787	30532 2127679	54326	161844	300035	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30335-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloropropane	FB	Ave	+++++ 694574	22149 1495870	38283	114669	218163	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dibromomethane	FB	Ave	+++++ 331594	10485 714016	18472	53804	104481	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dichlorobromomethane	FB	Ave	9779 921244	26994 1989941	50970	147167	285737	0.300 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	10176 937879	26732 2045848	49213	147786	283823	0.300 30.0	1.00 60.0	2.00	5.00	10.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	+++++ 886461	25356 1877122	48086	142159	282047	+++++ 120	4.00 240	8.00	20.0	40.0
Toluene	FB	Ave	+++++ 3230723	94708 7062780	183738	541709	1031955	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
trans-1,3-Dichloropropene	FB	Ave	+++++ 694543	18805 1482375	37003	107766	212539	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,2-Trichloroethane	FB	Ave	+++++ 338681	10072 737265	19895	56756	106401	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Hexanone	CBZ	Ave	+++++ 587901	17906 1238894	31766	96918	191078	+++++ 120	4.00 240	8.00	20.0	40.0
1,3-Dichloropropane	CBZ	Ave	7344 606627	17578 1305219	33038	100083	195065	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Tetrachloroethene	CBZ	Ave	+++++ 920319	26592 2000513	50108	147458	286783	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorodibromomethane	CBZ	Ave	5760 557985	15582 1223273	30670	89221	174428	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylene Dibromide	CBZ	Ave	+++++ 374886	10506 815744	21457	62243	118028	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 91077	2521 193520	4968	14582	28405	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1-Chlorohexane	CBZ	Ave	+++++ 1329385	36554 2815227	74908	223604	423079	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorobenzene	CBZ	Ave	24457 2028987	58189 4485069	116655	338730	649530	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 1179831	32323 2593746	64648	197590	373941	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	7216 715019	20456 1607419	38086	113682	218470	0.300 30.0	1.00 60.0	2.00	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	+++++ 2930423	78169 6456936	160449	478103	907786	+++++ 60.0	2.00 120	4.00	10.0	20.0
o-Xylene	CBZ	Ave	+++++ 1303421	36639 2911227	70858	214486	410692	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Styrene	CBZ	Ave	+++++ 1972668	47585 4501646	101139	314431	611115	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30335-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromoform	CBZ	Ave	+++++ 317999	8959 697345	17091	52208	97921	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Isopropylbenzene	DCB	Ave	+++++ 3904794	108169 8521869	208984	643097	1214101	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Cyclohexanone	CBZ	Ave	+++++ 310036	9319 648328	16548	48438	94686	+++++ 1200	40.0 2400	80.0	200	400
1,1,2,2-Tetrachloroethane	DCB	Lin1	4503 352180	10573 752032	19707	58527	112566	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Bromobenzene	DCB	Ave	+++++ 909471	24989 2060966	46999	143447	275687	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
N-Propylbenzene	DCB	Ave	+++++ 1057544	29664 2356619	57172	173244	335024	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 3193116	84663 7096193	162604	499040	959611	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Chlorotoluene	DCB	Ave	+++++ 928221	26511 2064231	49565	150821	284641	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Chlorotoluene	DCB	Ave	+++++ 875452	24920 1928388	48799	143374	272541	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 59651	+++++ 131507	3120	9020	18468	+++++ 30.0	+++++ 60.0	2.00	5.00	10.0
tert-Butylbenzene	DCB	Ave	+++++ 2758088	79036 6041554	144110	444852	864300	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 3019990	86467 6748010	160252	491228	933196	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
sec-Butylbenzene	DCB	Ave	+++++ 862018	23275 1865257	44523	140764	266157	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Isopropyltoluene	DCB	Ave	+++++ 3582028	100055 7747914	182332	570066	1077544	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 1718306	51451 3747144	95345	273807	528843	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	16973 1634592	48736 3521412	88099	262849	503454	0.300 30.0	1.00 60.0	2.00	5.00	10.0
n-Butylbenzene	DCB	Ave	+++++ 3612731	108362 7774732	193792	586947	1094377	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 1326574	38988 2889015	71123	213082	406080	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Naphthalene	DCB	Ave	+++++ 918216	25188 2011769	44143	136778	275771	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 968879	30282 2111392	48198	145822	290025	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Hexachlorobutadiene	DCB	Ave	9126 883618	27199 1856369	46128	138497	259455	0.300 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30335-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 715189	21142 1557829	38545	110001	220652	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6388.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 07:37
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 0.3 1.5uL 10x LOT:DF700
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.559	8.559	(1.000)	1078825	12.5000	
*	88 Chlorobenzene-d5	119	11.428	11.428	(1.000)	228488	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.042	14.042	(1.000)	324560	12.5000	
M	2 1,2-Dichloroethene (total)	96				22957	0.60000	0.766838(a)
M	1 Trihalomethanes (total)	100				37600	1.20000	1.42702
M	4 1,3-Dichloropropene (total)	100				17509	0.60000	0.709969(a)
M	3 Xylene (total)	106				46053	0.90000	1.06647
	7 dichlorodifluoromethane	85	4.447	4.447	(0.520)	8914	0.30000	0.299511(aQ)
	9 Chloromethane	50	4.693	4.693	(0.548)	10206	0.30000	0.398292(a)
	10 Vinyl Chloride	62	4.871	4.871	(0.569)	9638	0.30000	0.349891(a)
	12 Bromomethane	94	5.275	5.275	(0.616)	14088	0.30000	0.546646(a)
	13 Chloroethane	64	5.334	5.334	(0.623)	7614	0.30000	0.427646(a)
	15 Trichlorofluoromethane	101	5.650	5.650	(0.660)	16339	0.30000	0.350683(a)
	16 Ethanol	45	Compound Not Detected.					
	22 Acrolein	56	5.965	5.965	(0.697)	2465	3.00000	2.24863(a)
	24 Acetone	43	6.084	6.084	(0.711)	11501	1.20000	-0.741963(a)
	25 1,1-Dichloroethene	96	6.103	6.103	(0.713)	10624	0.30000	0.367062(a)
	26 Iodomethane	142	6.301	6.301	(0.736)	22009	0.30000	0.371607(a)
	28 Acetonitrile	41	6.340	6.340	(0.741)	3620	3.00000	4.76581(a)
	31 tert-Butyl alcohol	59	6.449	6.449	(0.753)	1941	6.00000	3.72484(a)
	32 Methylene Chloride	84	6.498	6.498	(0.759)	15163	0.30000	-0.124289(a)
	33 Acrylonitrile	53	6.685	6.685	(0.781)	8422	3.00000	3.64123(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.744	6.744	(0.788)	11797	0.30000	0.377966(a)
38 Isopropyl ether	87	7.030	7.030	(0.821)	23095	1.50000	1.64428(aQ)
39 1,1-Dichloroethane	63	7.099	7.099	(0.829)	19946	0.30000	0.385961(a)
40 Chloroprene	53	7.168	7.168	(0.838)	18557	0.30000	0.375434(a)
43 2-Butanone	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	7.583	7.583	(0.886)	11160	0.30000	0.388872(a)
46 Propionitrile	54	7.602	7.602	(0.888)	2442	3.00000	2.98541(aQ)
47 2,2-Dichloropropane	77	7.612	7.612	(0.889)	16094	0.30000	0.386953(a)
48 Methacrylonitrile	41	7.731	7.731	(0.903)	15925	3.00000	3.58794(a)
49 Bromochloromethane	128	7.800	7.800	(0.911)	3896	0.30000	0.359486(a)
50 Chloroform	83	7.809	7.809	(0.912)	18171	0.30000	0.354713(a)
54 1,1,1-Trichloroethane	97	8.046	8.046	(0.940)	17233	0.30000	0.365510(a)
53 Isobutanol	41	8.026	8.026	(0.938)	1362	6.00000	7.59605(aQ)
56 1,1-Dichloropropene	75	8.155	8.155	(0.953)	16377	0.30000	0.384511(a)
57 Carbon Tetrachloride	117	8.194	8.194	(0.957)	16484	0.30000	0.371099(a)
60 1,2-Dichloroethane	62	8.352	8.352	(0.976)	7936	0.50000	0.379306(a)
61 Benzene	78	8.362	8.362	(0.977)	35715	0.30000	0.355822(a)
63 n-Butanol	56	8.559	8.559	(1.000)	12112	9.00000	29.1906(aQ)
64 Trichloroethene	95	8.874	8.874	(1.037)	11929	0.30000	0.393688(a)
68 1,2-Dichloropropane	63	9.091	9.091	(1.062)	8301	0.30000	0.385077(a)
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	9.220	9.220	(1.077)	3470	0.30000	0.338026(a)
71 Bromodichloromethane	83	9.289	9.289	(1.085)	9779	0.30000	0.341306(a)
74 cis-1,3-Dichloropropene	75	9.673	9.673	(1.130)	10176	0.30000	0.352696(aQ)
75 4-Methyl-2-pentanone	43	9.742	9.742	(1.138)	10237	1.20000	1.52825(a)
77 Toluene	91	10.018	10.018	(1.171)	37607	0.30000	0.375414(a)
79 trans-1,3-Dichloropropene	75	10.156	10.156	(1.187)	7333	0.30000	0.357273(a)
80 1,1,2-Trichloroethane	97	10.354	10.354	(1.210)	3811	0.30000	0.361463(a)
81 2-Hexanone	43	10.511	10.511	(0.920)	6550	1.20000	1.43084(a)
82 1,3-Dichloropropane	76	10.541	10.541	(0.922)	7344	0.30000	0.374701(a)
83 Tetrachloroethene	164	10.561	10.561	(0.924)	11376	0.30000	0.402850(a)
84 Dibromochloromethane	129	10.807	10.807	(0.946)	5760	0.30000	0.331450(a)
86 1,2-Dibromoethane	107	10.985	10.985	(0.961)	4410	0.30000	0.379251(a)
87 1-Chlorohexane	91	11.290	11.290	(0.988)	14768	0.30000	0.360237(aQ)
89 Chlorobenzene	112	11.468	11.468	(1.003)	24457	0.30000	0.369570(a)
90 1,1,1,2-Tetrachloroethane	131	11.517	11.517	(1.008)	7216	0.30000	0.325465(a)
91 Ethylbenzene	106	11.507	11.507	(1.007)	13678	0.30000	0.375999(a)
92 m and p-Xylene	106	11.626	11.626	(1.017)	31978	0.60000	0.716773
93 o-Xylene	106	12.129	12.129	(1.061)	14075	0.30000	0.349699(a)
94 Styrene	104	12.129	12.129	(1.061)	18222	0.30000	0.310520(a)
95 Bromoform	173	12.434	12.434	(1.088)	3890	0.30000	0.399550(a)
96 isopropyl benzene	105	12.513	12.513	(0.891)	41709	0.30000	0.382694(a)
98 Cyclohexanone	55	12.730	12.730	(1.114)	4220	12.0000	17.9253(a)
100 1,1,2,2-Tetrachloroethane	83	12.819	12.819	(0.913)	4503	0.30000	0.334081(a)
102 1,2,3-Trichloropropane	110	Compound Not Detected.					
103 Bromobenzene	156	12.957	12.957	(0.923)	9337	0.30000	0.372303(a)
104 n-Propylbenzene	120	12.957	12.957	(0.923)	11196	0.30000	0.375854(a)
106 2-Chlorotoluene	126	13.125	13.125	(0.935)	9406	0.30000	0.361957(a)
105 1,3,5-Trimethylbenzene	105	13.115	13.115	(0.934)	30875	0.30000	0.355709(a)
107 4-Chlorotoluene	126	13.233	13.233	(0.942)	8831	0.30000	0.357319(a)
108 tert-Butylbenzene	119	13.519	13.519	(0.963)	27711	0.30000	0.360034(a)
109 1,2,4-Trimethylbenzene	105	13.559	13.559	(0.966)	30353	0.30000	0.358398(a)
110 sec-Butylbenzene	134	13.766	13.766	(0.980)	8431	0.30000	0.355218(a)
111 4-Isopropyltoluene	119	13.894	13.894	(0.989)	34216	0.30000	0.348962(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
112 1,3-Dichlorobenzene	146	13.983	13.983	(0.996)	18464	0.30000	0.380978(a)
114 1,4-dichlorobenzene	146	14.071	14.071	(1.002)	16973	0.30000	0.358213(a)
116 n-Butylbenzene	91	14.397	14.397	(1.025)	37045	0.30000	0.365794(a)
117 1,2-Dichlorobenzene	146	14.555	14.555	(1.037)	14325	0.30000	0.385968(a)
118 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120 1,2,4-Trichlorobenzene	180	16.783	16.783	(1.195)	9586	0.30000	0.359158(a)
121 Hexachlorobutadiene	225	16.980	16.980	(1.209)	9126	0.30000	0.361285(a)
122 Naphthalene	128	Compound Not Detected.					
123 1,2,3-Trichlorobenzene	180	17.651	17.651	(1.257)	7161	0.30000	0.359577(a)

QC Flag Legend

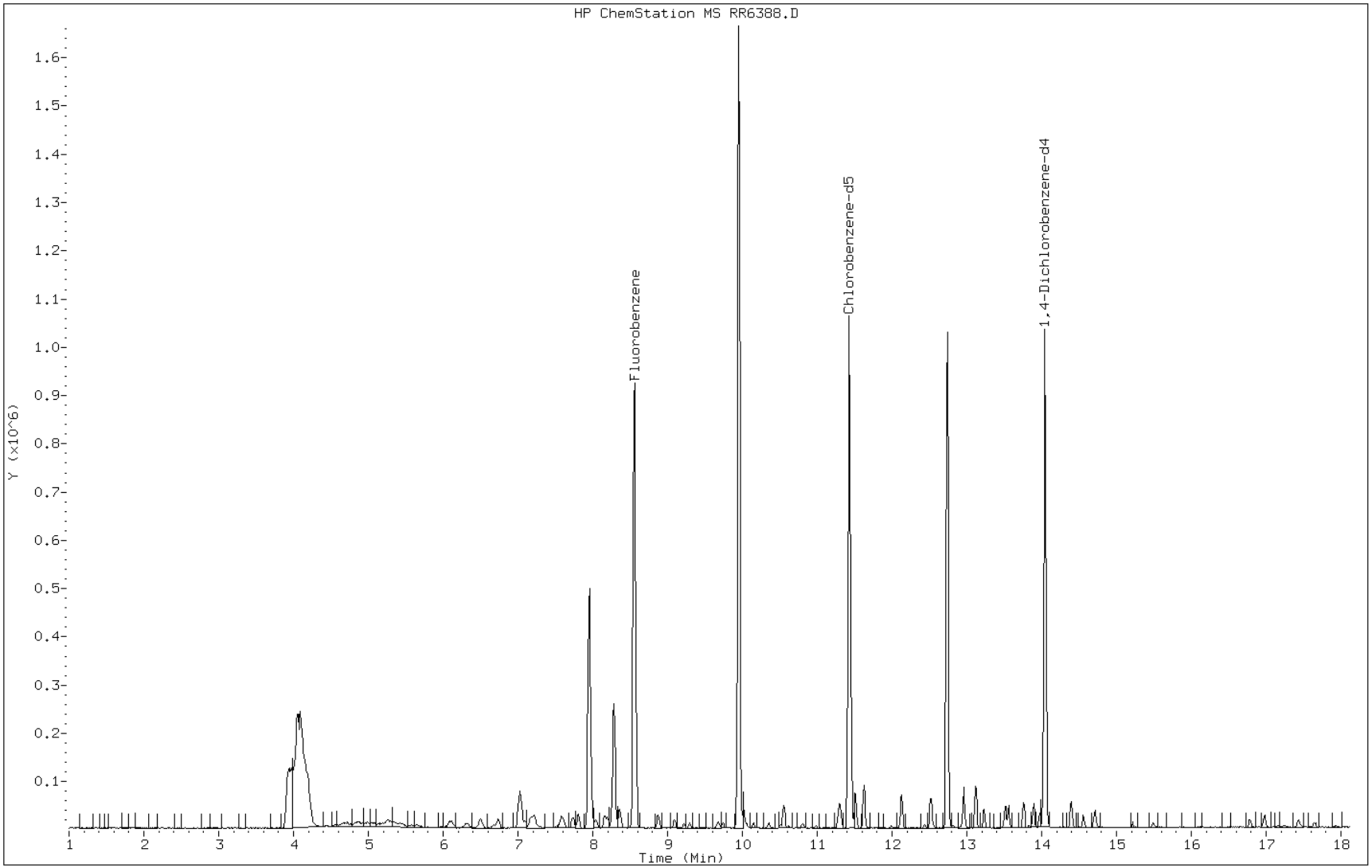
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6388.D

Date: 15-JUN-2012 07:37

Client ID: Instrument: R2.i

Sample Info: IC,,M 0.3 1.5uL 10x LOT:DF700 Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6389.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 08:00
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 1.0 5uL 10x
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 15-JUN-2012 07:37 Cal File: RR6388.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.559	8.559	(1.000)	1073380	12.5000	
*	88 Chlorobenzene-d5	119	11.429	11.429	(1.000)	209925	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.042	14.042	(1.000)	340107	12.5000	
M	2 1,2-Dichloroethene (total)	96				62803	2.00000	2.10468
M	1 Trihalomethanes (total)	100				103076	4.00000	3.93565
M	4 1,3-Dichloropropene (total)	100				45537	2.00000	1.85207
M	3 Xylene (total)	106				114808	3.00000	2.89786
	7 dichlorodifluoromethane	85	4.467	4.467	(0.522)	27244	1.00000	0.920045(aQ)
	9 Chloromethane	50	4.704	4.704	(0.550)	27960	1.00000	1.09668(a)
	10 Vinyl Chloride	62	4.871	4.871	(0.569)	25635	1.00000	0.935356(a)
	12 Bromomethane	94	5.276	5.276	(0.616)	27125	1.00000	1.05785(a)
	13 Chloroethane	64	5.335	5.335	(0.623)	20351	1.00000	1.14883(a)
	15 Trichlorofluoromethane	101	5.660	5.660	(0.661)	39125	1.00000	0.843997(a)
	16 Ethanol	45	Compound Not Detected.					
	22 Acrolein	56	5.976	5.976	(0.698)	10661	10.0000	9.77456(a)
	24 Acetone	43	6.084	6.084	(0.711)	17086	4.00000	2.38629(a)
	25 1,1-Dichloroethene	96	6.104	6.104	(0.713)	31745	1.00000	1.10236
	26 Iodomethane	142	6.301	6.301	(0.736)	62743	1.00000	1.06475
	28 Acetonitrile	41	6.380	6.380	(0.745)	8241	10.0000	10.9045(a)
	31 tert-Butyl alcohol	59	6.449	6.449	(0.753)	10216	20.0000	19.7042(a)
	32 Methylene Chloride	84	6.498	6.498	(0.759)	32336	1.00000	0.671940(a)
	33 Acrylonitrile	53	6.686	6.686	(0.781)	23472	10.0000	10.1995(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.735	6.735	(0.787)	33613	1.00000	1.08239
38 Isopropyl ether	87	7.031	7.031	(0.821)	67707	5.00000	4.84493(a)
39 1,1-Dichloroethane	63	7.100	7.100	(0.829)	52845	1.00000	1.02775
40 Chloroprene	53	7.169	7.169	(0.838)	50145	1.00000	1.01965
43 2-Butanone	43	7.524	7.524	(0.879)	12774	4.00000	4.25216(a)
45 cis-1,2-Dichloroethene	96	7.583	7.583	(0.886)	29190	1.00000	1.02229
46 Propionitrile	54	7.593	7.593	(0.887)	8430	10.0000	10.3582(Q)
47 2,2-Dichloropropane	77	7.613	7.613	(0.889)	44217	1.00000	1.06852(a)
48 Methacrylonitrile	41	7.731	7.731	(0.903)	43667	10.0000	9.88819(a)
49 Bromochloromethane	128	7.800	7.800	(0.911)	10787	1.00000	1.00037
50 Chloroform	83	7.810	7.810	(0.912)	51541	1.00000	1.01123
54 1,1,1-Trichloroethane	97	8.047	8.047	(0.940)	48119	1.00000	1.02577
53 Isobutanol	41	8.017	8.017	(0.937)	3565	20.0000	19.9833(a)
56 1,1-Dichloropropene	75	8.155	8.155	(0.953)	44415	1.00000	1.04810
57 Carbon Tetrachloride	117	8.194	8.194	(0.957)	45366	1.00000	1.02649
60 1,2-Dichloroethane	62	8.352	8.352	(0.976)	21672	1.00000	1.04108
61 Benzene	78	8.362	8.362	(0.977)	101178	1.00000	1.01313
63 n-Butanol	56	8.549	8.549	(0.999)	13171	30.0000	36.7737(a)
64 Trichloroethene	95	8.875	8.875	(1.037)	30532	1.00000	1.01275
68 1,2-Dichloropropane	63	9.092	9.092	(1.062)	22149	1.00000	1.03269
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	9.220	9.220	(1.077)	10485	1.00000	1.02656
71 Bromodichloromethane	83	9.299	9.299	(1.086)	26994	1.00000	0.946921(a)
74 cis-1,3-Dichloropropene	75	9.674	9.674	(1.130)	26732	1.00000	0.931220(a)
75 4-Methyl-2-pentanone	43	9.743	9.743	(1.138)	25356	4.00000	3.80453(a)
77 Toluene	91	10.009	10.009	(1.169)	94708	1.00000	0.950225(a)
79 trans-1,3-Dichloropropene	75	10.147	10.147	(1.185)	18805	1.00000	0.920850(a)
80 1,1,2-Trichloroethane	97	10.364	10.364	(1.211)	10072	1.00000	0.960149(a)
81 2-Hexanone	43	10.502	10.502	(0.919)	17906	4.00000	4.25742(a)
82 1,3-Dichloropropane	76	10.541	10.541	(0.922)	17578	1.00000	0.976159(a)
83 Tetrachloroethene	164	10.561	10.561	(0.924)	26592	1.00000	1.02495
84 Dibromochloromethane	129	10.808	10.808	(0.946)	15582	1.00000	0.975929(a)
86 1,2-Dibromoethane	107	10.985	10.985	(0.961)	10506	1.00000	0.983387(a)
87 1-Chlorohexane	91	11.291	11.291	(0.988)	36554	1.00000	0.970512(aQ)
89 Chlorobenzene	112	11.459	11.459	(1.003)	58189	1.00000	0.957048(a)
90 1,1,1,2-Tetrachloroethane	131	11.508	11.508	(1.007)	20456	1.00000	1.00422
91 Ethylbenzene	106	11.508	11.508	(1.007)	32323	1.00000	0.967108(a)
92 m and p-Xylene	106	11.626	11.626	(1.017)	78169	2.00000	1.90706
93 o-Xylene	106	12.119	12.119	(1.060)	36639	1.00000	0.990806
94 Styrene	104	12.129	12.129	(1.061)	47585	1.00000	0.882598(a)
95 Bromoform	173	12.435	12.435	(1.088)	8959	1.00000	1.00157
96 isopropyl benzene	105	12.514	12.514	(0.891)	108169	1.00000	0.947119(a)
98 Cyclohexanone	55	12.711	12.711	(1.112)	9319	40.0000	43.0846
100 1,1,2,2-Tetrachloroethane	83	12.819	12.819	(0.913)	10573	1.00000	0.900203(a)
102 1,2,3-Trichloropropane	110	12.908	12.908	(0.919)	2521	1.00000	0.952499(aQ)
103 Bromobenzene	156	12.957	12.957	(0.923)	24989	1.00000	0.950862(a)
104 n-Propylbenzene	120	12.957	12.957	(0.923)	29664	1.00000	0.950309(a)
106 2-Chlorotoluene	126	13.125	13.125	(0.935)	26511	1.00000	0.973548(a)
105 1,3,5-Trimethylbenzene	105	13.115	13.115	(0.934)	84663	1.00000	0.930809(a)
107 4-Chlorotoluene	126	13.234	13.234	(0.942)	24920	1.00000	0.962218(a)
108 tert-Butylbenzene	119	13.510	13.510	(0.962)	79036	1.00000	0.979932(a)
109 1,2,4-Trimethylbenzene	105	13.559	13.559	(0.966)	86467	1.00000	0.974302(a)
110 sec-Butylbenzene	134	13.756	13.756	(0.980)	23275	1.00000	0.935806(a)
111 4-Isopropyltoluene	119	13.894	13.894	(0.989)	100055	1.00000	0.973794(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
112 1,3-Dichlorobenzene	146	13.973	13.973	(0.995)	51451	1.00000	1.01309
114 1,4-dichlorobenzene	146	14.072	14.072	(1.002)	48736	1.00000	0.981550(a)
116 n-Butylbenzene	91	14.387	14.387	(1.025)	108362	1.00000	1.02109
117 1,2-Dichlorobenzene	146	14.555	14.555	(1.037)	38988	1.00000	1.00246
118 1,2-Dibromo-3-chloropropane	157	15.561	15.561	(1.108)	1355	1.00000	0.785141(aQ)
120 1,2,4-Trichlorobenzene	180	16.784	16.784	(1.195)	30282	1.00000	1.08271
121 Hexachlorobutadiene	225	16.981	16.981	(1.209)	27199	1.00000	1.02755
122 Naphthalene	128	17.237	17.237	(1.228)	25188	1.00000	0.976895(a)
123 1,2,3-Trichlorobenzene	180	17.651	17.651	(1.257)	21142	1.00000	1.01308

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6389.D

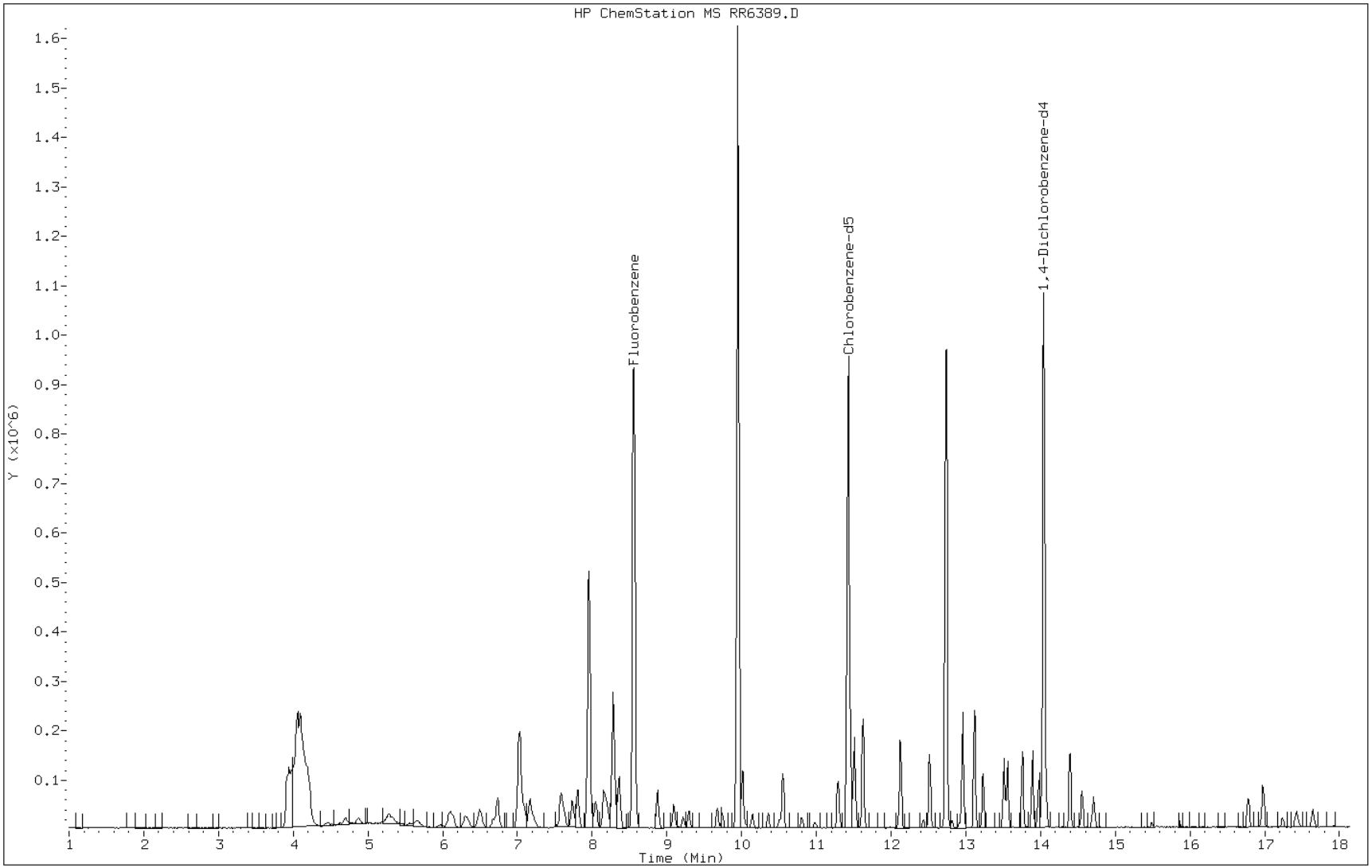
Date: 15-JUN-2012 08:00

Client ID:

Instrument: R2.i

Sample Info: IC,,M 1.0 5uL 10x

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6390.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 08:22
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 2.0 10uL 10x
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 07:32 Cal File: RR6354.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.560	8.560	(1.000)	1043719	12.5000	
*	88 Chlorobenzene-d5	119	11.430	11.430	(1.000)	224813	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.043	14.043	(1.000)	338590	12.5000	
M	2 1,2-Dichloroethene (total)	96				111075	4.00000	3.83170
M	1 Trihalomethanes (total)	100				189243	8.00000	7.24294
M	4 1,3-Dichloropropene (total)	100				86216	4.00000	3.62654
M	3 Xylene (total)	106				231307	6.00000	5.44446
	7 dichlorodifluoromethane	85	4.458	4.458	(0.521)	55682	2.00000	1.93385(a)
	9 Chloromethane	50	4.695	4.695	(0.548)	47781	2.00000	1.92739(a)
	10 Vinyl Chloride	62	4.862	4.862	(0.568)	51093	2.00000	1.91723
	12 Bromomethane	94	5.267	5.267	(0.615)	49018	2.00000	1.96598(a)
	13 Chloroethane	64	5.326	5.326	(0.622)	33724	2.00000	1.95784(a)
	15 Trichlorofluoromethane	101	5.651	5.651	(0.660)	90681	2.00000	2.01174
	16 Ethanol	45	5.661	5.661	(0.661)	5696	100.000	87.5377(aM)
	22 Acrolein	56	5.967	5.967	(0.697)	20141	20.0000	18.9911(a)
	24 Acetone	43	6.075	6.075	(0.710)	22970	8.00000	6.00998(a)
	25 1,1-Dichloroethene	96	6.095	6.095	(0.712)	54248	2.00000	1.93732
	26 Iodomethane	142	6.312	6.312	(0.737)	108107	2.00000	1.88671
	28 Acetonitrile	41	6.351	6.351	(0.742)	15877	20.0000	21.6055
	31 tert-Butyl alcohol	59	6.460	6.460	(0.755)	19150	40.0000	37.9855(a)
	32 Methylene Chloride	84	6.499	6.499	(0.759)	51204	2.00000	1.61005
	33 Acrylonitrile	53	6.687	6.687	(0.781)	42329	20.0000	18.9164(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.736	6.736	(0.787)	58238	2.00000	1.92865
38 Isopropyl ether	87	7.032	7.032	(0.821)	126447	10.0000	9.30535(a)
39 1,1-Dichloroethane	63	7.101	7.101	(0.830)	97150	2.00000	1.94311
40 Chloroprene	53	7.170	7.170	(0.838)	88541	2.00000	1.85156
43 2-Butanone	43	7.525	7.525	(0.879)	22221	8.00000	7.60705
45 cis-1,2-Dichloroethene	96	7.584	7.584	(0.886)	52837	2.00000	1.90304
46 Propionitrile	54	7.604	7.604	(0.888)	14654	20.0000	18.5175
47 2,2-Dichloropropane	77	7.614	7.614	(0.889)	78431	2.00000	1.94917(a)
48 Methacrylonitrile	41	7.732	7.732	(0.903)	81762	20.0000	19.0408
49 Bromochloromethane	128	7.811	7.811	(0.912)	19604	2.00000	1.86972
50 Chloroform	83	7.811	7.811	(0.912)	90512	2.00000	1.82630
54 1,1,1-Trichloroethane	97	8.048	8.048	(0.940)	84940	2.00000	1.86216
53 Isobutanol	41	8.038	8.038	(0.939)	6444	40.0000	37.1479(a)
56 1,1-Dichloropropene	75	8.156	8.156	(0.953)	77089	2.00000	1.87083
57 Carbon Tetrachloride	117	8.195	8.195	(0.957)	81358	2.00000	1.89319
60 1,2-Dichloroethane	62	8.353	8.353	(0.976)	39643	2.00000	1.95849
61 Benzene	78	8.363	8.363	(0.977)	176931	2.00000	1.82202
63 n-Butanol	56	8.590	8.590	(1.003)	17146	60.0000	66.9821(M)
64 Trichloroethene	95	8.876	8.876	(1.037)	54326	2.00000	1.85321
68 1,2-Dichloropropane	63	9.093	9.093	(1.062)	38283	2.00000	1.83565
69 1,4-Dioxane	88	9.152	9.152	(1.069)	4917	100.000	85.9280(a)
70 Dibromomethane	93	9.221	9.221	(1.077)	18472	2.00000	1.85995
71 Bromodichloromethane	83	9.300	9.300	(1.086)	50970	2.00000	1.83878
74 cis-1,3-Dichloropropene	75	9.675	9.675	(1.130)	49213	2.00000	1.76307
75 4-Methyl-2-pentanone	43	9.744	9.744	(1.138)	48086	8.00000	7.42008
77 Toluene	91	10.020	10.020	(1.170)	183738	2.00000	1.89587
79 trans-1,3-Dichloropropene	75	10.148	10.148	(1.185)	37003	2.00000	1.86347
80 1,1,2-Trichloroethane	97	10.365	10.365	(1.211)	19895	2.00000	1.95046
81 2-Hexanone	43	10.503	10.503	(0.919)	31766	8.00000	7.05266
82 1,3-Dichloropropane	76	10.542	10.542	(0.922)	33038	2.00000	1.71320
83 Tetrachloroethene	164	10.562	10.562	(0.924)	50108	2.00000	1.80344
84 Dibromochloromethane	129	10.809	10.809	(0.946)	30670	2.00000	1.79371
86 1,2-Dibromoethane	107	10.986	10.986	(0.961)	21457	2.00000	1.87542
87 1-Chlorohexane	91	11.292	11.292	(0.988)	74908	2.00000	1.85711
89 Chlorobenzene	112	11.469	11.469	(1.003)	116655	2.00000	1.79159
90 1,1,1,2-Tetrachloroethane	131	11.519	11.519	(1.008)	38086	2.00000	1.74588
91 Ethylbenzene	106	11.509	11.509	(1.007)	64648	2.00000	1.80618
92 m and p-Xylene	106	11.627	11.627	(1.017)	160449	4.00000	3.65518
93 o-Xylene	106	12.130	12.130	(1.061)	70858	2.00000	1.78927
94 Styrene	104	12.130	12.130	(1.061)	101139	2.00000	1.75168
95 Bromoform	173	12.436	12.436	(1.088)	17091	2.00000	1.78415
96 isopropyl benzene	105	12.515	12.515	(0.891)	208984	2.00000	1.83805
98 Cyclohexanone	55	12.712	12.712	(1.112)	16548	80.0000	71.4399
100 1,1,2,2-Tetrachloroethane	83	12.820	12.820	(0.913)	19707	2.00000	1.79202
102 1,2,3-Trichloropropane	110	12.919	12.919	(0.920)	4968	2.00000	1.88545
103 Bromobenzene	156	12.958	12.958	(0.923)	46999	2.00000	1.79638
104 n-Propylbenzene	120	12.958	12.958	(0.923)	57172	2.00000	1.83976
106 2-Chlorotoluene	126	13.126	13.126	(0.935)	49565	2.00000	1.82830
105 1,3,5-Trimethylbenzene	105	13.116	13.116	(0.934)	162604	2.00000	1.79572
107 4-Chlorotoluene	126	13.235	13.235	(0.942)	48799	2.00000	1.89268
108 tert-Butylbenzene	119	13.511	13.511	(0.962)	144110	2.00000	1.79476
109 1,2,4-Trimethylbenzene	105	13.560	13.560	(0.966)	160252	2.00000	1.81379
110 sec-Butylbenzene	134	13.767	13.767	(0.980)	44523	2.00000	1.79813
111 4-Isopropyltoluene	119	13.895	13.895	(0.989)	182332	2.00000	1.78251

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
112 1,3-Dichlorobenzene	146	13.974	13.974	(0.995)	95345	2.00000	1.88579
114 1,4-dichlorobenzene	146	14.073	14.073	(1.002)	88099	2.00000	1.78228
116 n-Butylbenzene	91	14.388	14.388	(1.025)	193792	2.00000	1.83427
117 1,2-Dichlorobenzene	146	14.556	14.556	(1.037)	71123	2.00000	1.83691
118 1,2-Dibromo-3-chloropropane	157	15.562	15.562	(1.108)	3120	2.00000	1.81595(aQ)
120 1,2,4-Trichlorobenzene	180	16.785	16.785	(1.195)	48198	2.00000	1.73100
121 Hexachlorobutadiene	225	16.982	16.982	(1.209)	46128	2.00000	1.75047
122 Naphthalene	128	17.238	17.238	(1.228)	44143	2.00000	1.71972
123 1,2,3-Trichlorobenzene	180	17.643	17.643	(1.256)	38545	2.00000	1.85527

QC Flag Legend

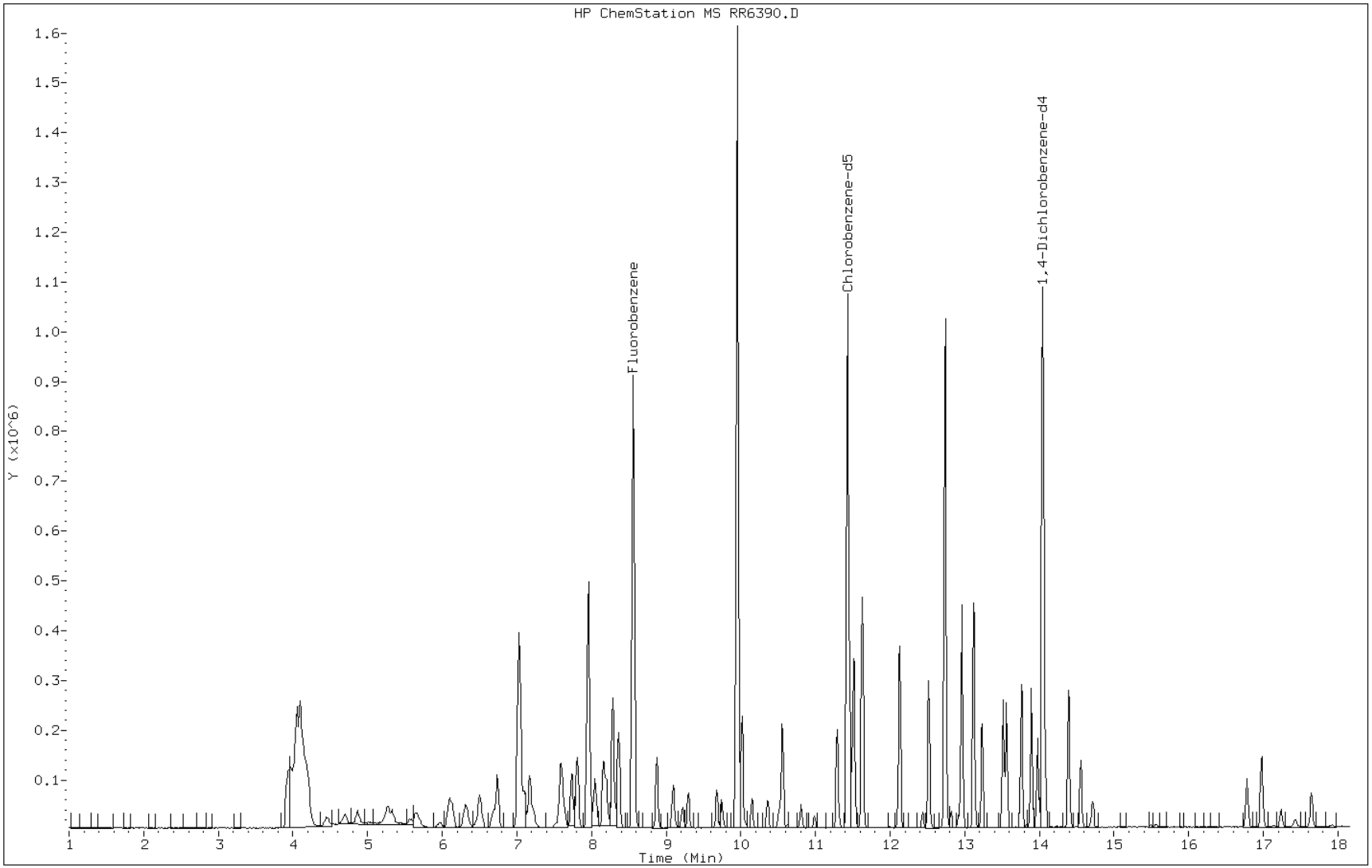
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: RR6390.D

Date: 15-JUN-2012 08:22

Client ID: Instrument: R2.i

Sample Info: IC,,M 2.0 10uL 10x Operator: DOBRANSKYM



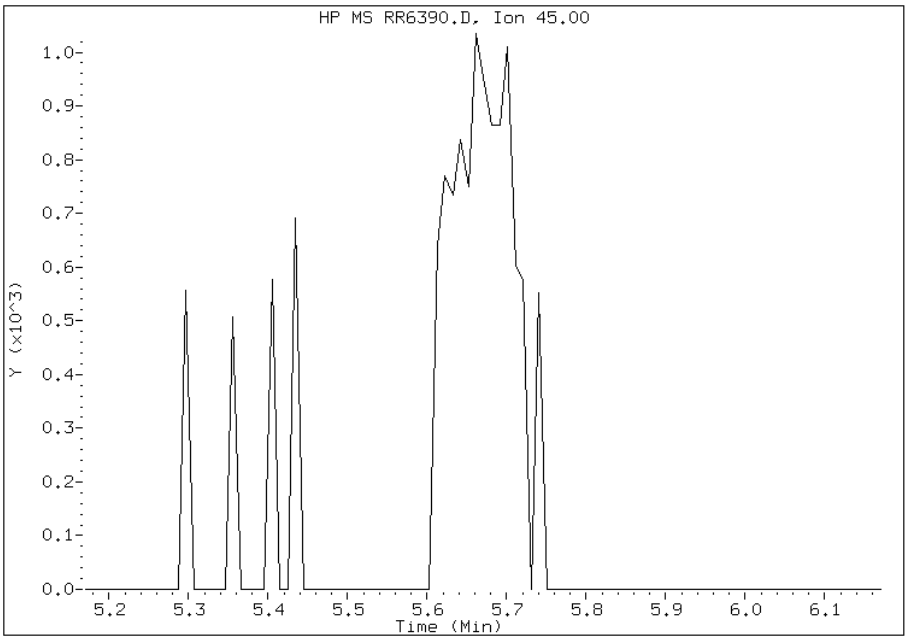
Manual Integration Report

Data File: RR6390.D
Inj. Date and Time: 15-JUN-2012 08:22
Instrument ID: R2.i
Client ID:
Compound: 16 Ethanol
CAS #: 64-17-5
Report Date: 06/15/2012

Processing Integration Results

Not Detected

Expected RT: 5.67



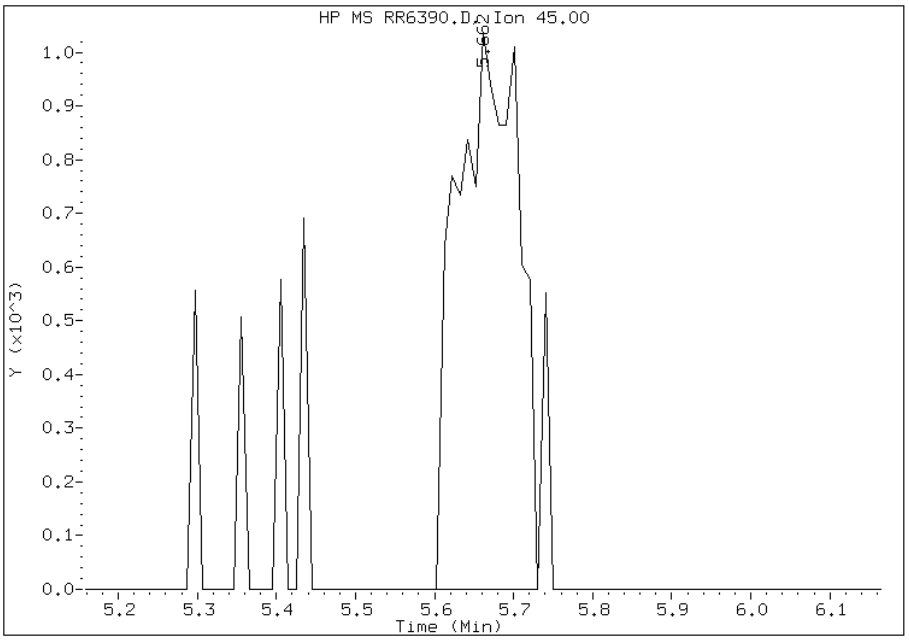
Manual Integration Results

RT: 5.66

Response: 5696

Amount: 88

Conc: 88



Manually Integrated By: dobranskym
Manual Integration Reason: Analyte not Identified by the Data System

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6391.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 08:45
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 5.0 2.5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 07:54 Cal File: RR6355.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.565	8.565	(1.000)	1034367	12.5000	
*	88 Chlorobenzene-d5	119	11.434	11.434	(1.000)	221831	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.047	14.047	(1.000)	339363	12.5000	
M	2 1,2-Dichloroethene (total)	96				317955	10.0000	11.0705
M	1 Trihalomethanes (total)	100				550273	20.0000	21.4964
M	4 1,3-Dichloropropene (total)	100				255552	10.0000	10.8185
M	3 Xylene (total)	106				692589	15.0000	16.5270
	7 dichlorodifluoromethane	85	4.462	4.462	(0.521)	167730	5.00000	5.87797
	9 Chloromethane	50	4.709	4.709	(0.550)	138774	5.00000	5.64847
	10 Vinyl Chloride	62	4.867	4.867	(0.568)	154436	5.00000	5.84751
	12 Bromomethane	94	5.271	5.271	(0.615)	137682	5.00000	5.57199
	13 Chloroethane	64	5.340	5.340	(0.624)	94606	5.00000	5.54200
	15 Trichlorofluoromethane	101	5.656	5.656	(0.660)	261061	5.00000	5.84396
	16 Ethanol	45	5.646	5.646	(0.659)	18469	250.000	286.403
	22 Acrolein	56	5.971	5.971	(0.697)	55657	50.0000	52.9539
	24 Acetone	43	6.089	6.089	(0.711)	52072	20.0000	22.8697
	25 1,1-Dichloroethene	96	6.119	6.119	(0.714)	153566	5.00000	5.53378
	26 Iodomethane	142	6.316	6.316	(0.737)	313107	5.00000	5.51382
	28 Acetonitrile	41	6.356	6.356	(0.742)	42175	50.0000	57.9108
	31 tert-Butyl alcohol	59	6.454	6.454	(0.754)	55676	100.000	111.436
	32 Methylene Chloride	84	6.504	6.504	(0.759)	135972	5.00000	5.69245
	33 Acrylonitrile	53	6.691	6.691	(0.781)	125272	50.0000	56.4890

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.740	6.740	(0.787)	165680	5.00000	5.53639
38 Isopropyl ether	87	7.036	7.036	(0.822)	368483	25.0000	27.3622
39 1,1-Dichloroethane	63	7.105	7.105	(0.830)	275830	5.00000	5.56680
40 Chloroprene	53	7.174	7.174	(0.838)	263779	5.00000	5.56599
43 2-Butanone	43	7.529	7.529	(0.879)	61056	20.0000	21.0906
45 cis-1,2-Dichloroethene	96	7.578	7.578	(0.885)	152275	5.00000	5.53411
46 Propionitrile	54	7.608	7.608	(0.888)	43786	50.0000	55.8303
47 2,2-Dichloropropane	77	7.608	7.608	(0.888)	220883	5.00000	5.53902
48 Methacrylonitrile	41	7.736	7.736	(0.903)	241598	50.0000	56.7722
49 Bromochloromethane	128	7.805	7.805	(0.911)	57272	5.00000	5.51166
50 Chloroform	83	7.815	7.815	(0.912)	261677	5.00000	5.32771
54 1,1,1-Trichloroethane	97	8.052	8.052	(0.940)	248817	5.00000	5.50420
53 Isobutanol	41	8.032	8.032	(0.938)	18829	100.000	109.525(Q)
56 1,1-Dichloropropene	75	8.160	8.160	(0.953)	224178	5.00000	5.48963
57 Carbon Tetrachloride	117	8.200	8.200	(0.957)	235771	5.00000	5.53597
60 1,2-Dichloroethane	62	8.357	8.357	(0.976)	114137	5.00000	5.68972
61 Benzene	78	8.367	8.367	(0.977)	507892	5.00000	5.27753
63 n-Butanol	56	8.594	8.594	(1.003)	31248	150.000	167.129
64 Trichloroethene	95	8.880	8.880	(1.037)	161844	5.00000	5.57085
68 1,2-Dichloropropane	63	9.097	9.097	(1.062)	114669	5.00000	5.54804
69 1,4-Dioxane	88	9.156	9.156	(1.069)	15860	250.000	279.670
70 Dibromomethane	93	9.225	9.225	(1.077)	53804	5.00000	5.46652
71 Bromodichloromethane	83	9.294	9.294	(1.085)	147167	5.00000	5.35717
74 cis-1,3-Dichloropropene	75	9.679	9.679	(1.130)	147786	5.00000	5.34236
75 4-Methyl-2-pentanone	43	9.748	9.748	(1.138)	142159	20.0000	22.1347
77 Toluene	91	10.024	10.024	(1.170)	541709	5.00000	5.64007
79 trans-1,3-Dichloropropene	75	10.152	10.152	(1.185)	107766	5.00000	5.47616
80 1,1,2-Trichloroethane	97	10.359	10.359	(1.210)	56756	5.00000	5.61453
81 2-Hexanone	43	10.507	10.507	(0.919)	96918	20.0000	21.8069
82 1,3-Dichloropropane	76	10.547	10.547	(0.922)	100083	5.00000	5.25961
83 Tetrachloroethene	164	10.566	10.566	(0.924)	147458	5.00000	5.37853
84 Dibromochloromethane	129	10.813	10.813	(0.946)	89221	5.00000	5.28816
86 1,2-Dibromoethane	107	10.990	10.990	(0.961)	62243	5.00000	5.51340
87 1-Chlorohexane	91	11.296	11.296	(0.988)	223604	5.00000	5.61808
89 Chlorobenzene	112	11.464	11.464	(1.003)	338730	5.00000	5.27216
90 1,1,1,2-Tetrachloroethane	131	11.523	11.523	(1.008)	113682	5.00000	5.28130
91 Ethylbenzene	106	11.513	11.513	(1.007)	197590	5.00000	5.59462
92 m and p-Xylene	106	11.631	11.631	(1.017)	478103	10.0000	11.0381
93 o-Xylene	106	12.125	12.125	(1.060)	214486	5.00000	5.48891
94 Styrene	104	12.134	12.134	(1.061)	314431	5.00000	5.51900
95 Bromoform	173	12.440	12.440	(1.088)	52208	5.00000	5.52332
96 isopropyl benzene	105	12.519	12.519	(0.891)	643097	5.00000	5.64325
98 Cyclohexanone	55	12.716	12.716	(1.112)	48438	200.000	211.924
100 1,1,2,2-Tetrachloroethane	83	12.815	12.815	(0.912)	58527	5.00000	5.54986
102 1,2,3-Trichloropropane	110	12.923	12.923	(0.920)	14582	5.00000	5.52154(Q)
103 Bromobenzene	156	12.963	12.963	(0.923)	143447	5.00000	5.47030
104 n-Propylbenzene	120	12.963	12.963	(0.923)	173244	5.00000	5.56217
106 2-Chlorotoluene	126	13.130	13.130	(0.935)	150821	5.00000	5.55065
105 1,3,5-Trimethylbenzene	105	13.120	13.120	(0.934)	499040	5.00000	5.49862
107 4-Chlorotoluene	126	13.239	13.239	(0.942)	143374	5.00000	5.54813
108 tert-Butylbenzene	119	13.515	13.515	(0.962)	444852	5.00000	5.52761
109 1,2,4-Trimethylbenzene	105	13.564	13.564	(0.966)	491228	5.00000	5.54724
110 sec-Butylbenzene	134	13.761	13.761	(0.980)	140764	5.00000	5.67203
111 4-Isopropyltoluene	119	13.900	13.900	(0.989)	570066	5.00000	5.56038

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
112 1,3-Dichlorobenzene	146	13.978	13.978	(0.995)	273807	5.00000	5.40317
114 1,4-dichlorobenzene	146	14.077	14.077	(1.002)	262849	5.00000	5.30542
116 n-Butylbenzene	91	14.393	14.393	(1.025)	586947	5.00000	5.54288
117 1,2-Dichlorobenzene	146	14.560	14.560	(1.037)	213082	5.00000	5.49078
118 1,2-Dibromo-3-chloropropane	157	15.566	15.566	(1.108)	9020	5.00000	5.23800
120 1,2,4-Trichlorobenzene	180	16.779	16.779	(1.194)	145822	5.00000	5.22519
121 Hexachlorobutadiene	225	16.986	16.986	(1.209)	138497	5.00000	5.24373
122 Naphthalene	128	17.243	17.243	(1.227)	136778	5.00000	5.31645
123 1,2,3-Trichlorobenzene	180	17.657	17.657	(1.257)	110001	5.00000	5.28257

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR6391.D

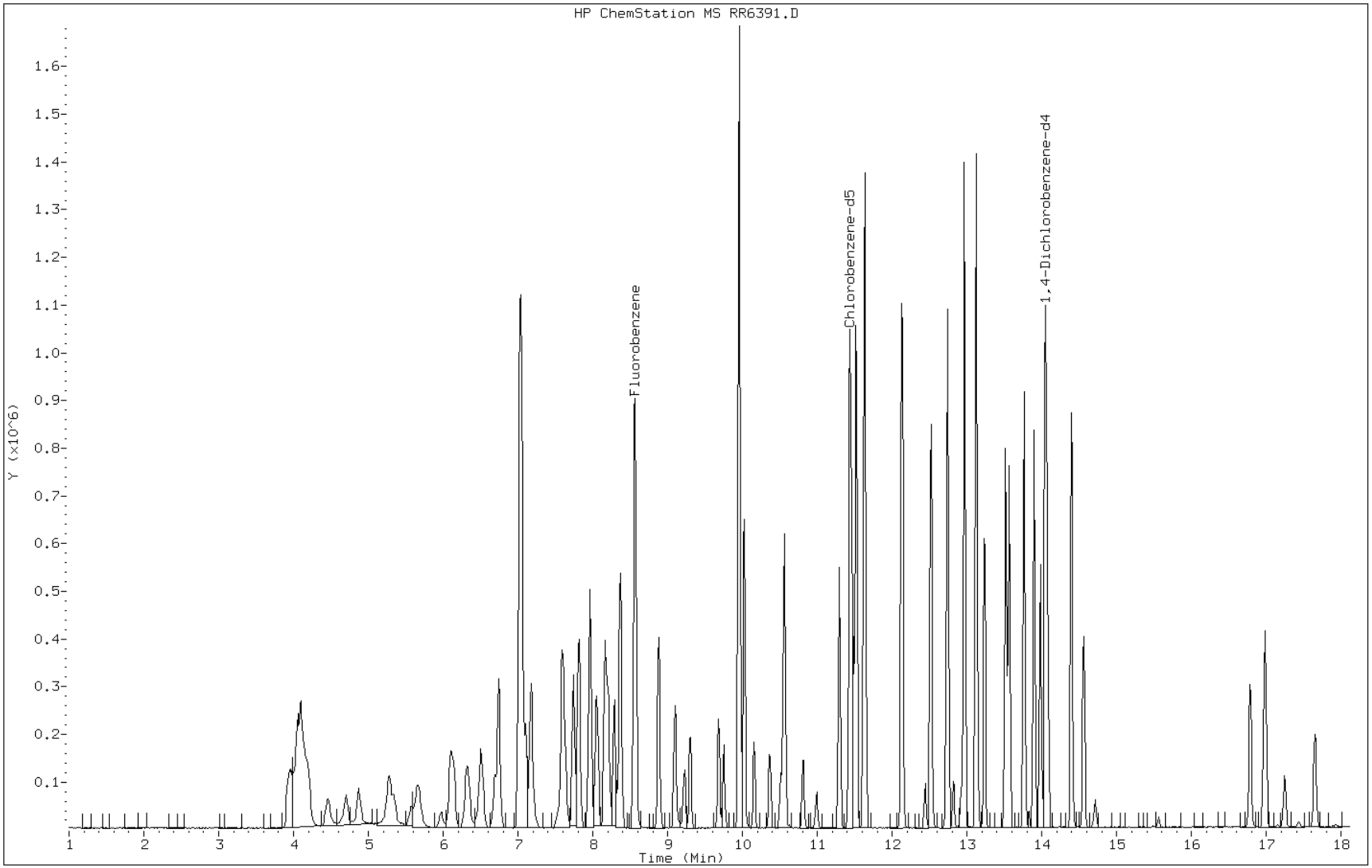
Date: 15-JUN-2012 08:45

Client ID:

Instrument: R2.i

Sample Info: IC,,M 5.0 2.5uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6392.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 09:07
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 10 5uL
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Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 08:17 Cal File: RR6356.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.565	8.565	(1.000)	1131208	12.5000	
* 88	Chlorobenzene-d5	119	11.435	11.435	(1.000)	240660	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.048	14.048	(1.000)	372674	12.5000	
M 2	1,2-Dichloroethene (total)	96				601701	20.0000	19.1554
M 1	Trihalomethanes (total)	100				1053597	40.0000	37.8143
M 4	1,3-Dichloropropene (total)	100				496362	20.0000	19.2573
M 3	Xylene (total)	106				1318478	30.0000	29.0062
7	dichlorodifluoromethane	85	4.453	4.453	(0.520)	319515	10.0000	10.2386
9	Chloromethane	50	4.709	4.709	(0.550)	259867	10.0000	9.67177
10	Vinyl Chloride	62	4.877	4.877	(0.569)	294376	10.0000	10.1919
12	Bromomethane	94	5.281	5.281	(0.617)	270270	10.0000	10.0015
13	Chloroethane	64	5.350	5.350	(0.625)	179954	10.0000	9.63921
15	Trichlorofluoromethane	101	5.656	5.656	(0.660)	497723	10.0000	10.1879
16	Ethanol	45	5.656	5.656	(0.660)	36228	500.000	513.701
22	Acrolein	56	5.971	5.971	(0.697)	113878	100.000	99.0718
24	Acetone	43	6.080	6.080	(0.710)	87133	40.0000	38.7480
25	1,1-Dichloroethene	96	6.119	6.119	(0.714)	295287	10.0000	9.72980
26	Iodomethane	142	6.317	6.317	(0.738)	597109	10.0000	9.61492
28	Acetonitrile	41	6.366	6.366	(0.743)	76318	100.000	95.8217
31	tert-Butyl alcohol	59	6.464	6.464	(0.755)	107088	200.000	195.989(Q)
32	Methylene Chloride	84	6.504	6.504	(0.759)	244805	10.0000	9.90174
33	Acrylonitrile	53	6.691	6.691	(0.781)	237416	100.000	97.8930

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.741	6.741	(0.787)	313903	10.0000	9.59146
38 Isopropyl ether	87	7.036	7.036	(0.822)	720939	50.0000	48.9512
39 1,1-Dichloroethane	63	7.105	7.105	(0.830)	522606	10.0000	9.64430
40 Chloroprene	53	7.174	7.174	(0.838)	498874	10.0000	9.62554
43 2-Butanone	43	7.529	7.529	(0.879)	121857	40.0000	38.4897
45 cis-1,2-Dichloroethene	96	7.589	7.589	(0.886)	287798	10.0000	9.56398
46 Propionitrile	54	7.608	7.608	(0.888)	85062	100.000	99.1750
47 2,2-Dichloropropane	77	7.618	7.618	(0.889)	419761	10.0000	9.62510
48 Methacrylonitrile	41	7.737	7.737	(0.903)	451726	100.000	97.0620
49 Bromochloromethane	128	7.806	7.806	(0.911)	110200	10.0000	9.69736
50 Chloroform	83	7.815	7.815	(0.913)	495511	10.0000	9.22487
54 1,1,1-Trichloroethane	97	8.052	8.052	(0.940)	479120	10.0000	9.69150
53 Isobutanol	41	8.032	8.032	(0.938)	37215	200.000	197.942
56 1,1-Dichloropropene	75	8.161	8.161	(0.953)	429396	10.0000	9.61481
57 Carbon Tetrachloride	117	8.200	8.200	(0.957)	450016	10.0000	9.66193
60 1,2-Dichloroethane	62	8.358	8.358	(0.976)	223306	10.0000	10.1788
61 Benzene	78	8.368	8.368	(0.977)	967058	10.0000	9.18848
63 n-Butanol	56	8.594	8.594	(1.003)	51192	300.000	276.450
64 Trichloroethene	95	8.880	8.880	(1.037)	300035	10.0000	9.44342
68 1,2-Dichloropropane	63	9.097	9.097	(1.062)	218163	10.0000	9.65177
69 1,4-Dioxane	88	9.157	9.157	(1.069)	30176	500.000	486.561
70 Dibromomethane	93	9.226	9.226	(1.077)	104481	10.0000	9.70658
71 Bromodichloromethane	83	9.295	9.295	(1.085)	285737	10.0000	9.51095
74 cis-1,3-Dichloropropene	75	9.679	9.679	(1.130)	283823	10.0000	9.38165
75 4-Methyl-2-pentanone	43	9.748	9.748	(1.138)	282047	40.0000	40.1562
77 Toluene	91	10.024	10.024	(1.170)	1031955	10.0000	9.82453
79 trans-1,3-Dichloropropene	75	10.153	10.153	(1.185)	212539	10.0000	9.87564
80 1,1,2-Trichloroethane	97	10.370	10.370	(1.211)	106401	10.0000	9.62453
81 2-Hexanone	43	10.508	10.508	(0.919)	191078	40.0000	39.6295
82 1,3-Dichloropropane	76	10.547	10.547	(0.922)	195065	10.0000	9.44911
83 Tetrachloroethene	164	10.557	10.557	(0.923)	286783	10.0000	9.64199
84 Dibromochloromethane	129	10.813	10.813	(0.946)	174428	10.0000	9.52953
86 1,2-Dibromoethane	107	10.991	10.991	(0.961)	118028	10.0000	9.63679
87 1-Chlorohexane	91	11.296	11.296	(0.988)	423079	10.0000	9.79824
89 Chlorobenzene	112	11.464	11.464	(1.003)	649530	10.0000	9.31863
90 1,1,1,2-Tetrachloroethane	131	11.513	11.513	(1.007)	218470	10.0000	9.35533
91 Ethylbenzene	106	11.513	11.513	(1.007)	373941	10.0000	9.75948
92 m and p-Xylene	106	11.632	11.632	(1.017)	907786	20.0000	19.3185
93 o-Xylene	106	12.125	12.125	(1.060)	410692	10.0000	9.68772
94 Styrene	104	12.135	12.135	(1.061)	611115	10.0000	9.88726
95 Bromoform	173	12.440	12.440	(1.088)	97921	10.0000	9.54899
96 isopropyl benzene	105	12.519	12.519	(0.891)	1214101	10.0000	9.70160
98 Cyclohexanone	55	12.716	12.716	(1.112)	94686	400.000	381.855
100 1,1,2,2-Tetrachloroethane	83	12.815	12.815	(0.912)	112566	10.0000	9.81188
102 1,2,3-Trichloropropane	110	12.924	12.924	(0.920)	28405	10.0000	9.79429
103 Bromobenzene	156	12.963	12.963	(0.923)	275687	10.0000	9.57352
104 n-Propylbenzene	120	12.963	12.963	(0.923)	335024	10.0000	9.79484
106 2-Chlorotoluene	126	13.131	13.131	(0.935)	284641	10.0000	9.53927
105 1,3,5-Trimethylbenzene	105	13.121	13.121	(0.934)	959611	10.0000	9.62828
107 4-Chlorotoluene	126	13.229	13.229	(0.942)	272541	10.0000	9.60381
108 tert-Butylbenzene	119	13.515	13.515	(0.962)	864300	10.0000	9.77962
109 1,2,4-Trimethylbenzene	105	13.565	13.565	(0.966)	933196	10.0000	9.59627
110 sec-Butylbenzene	134	13.762	13.762	(0.980)	266157	10.0000	9.76608
111 4-Isopropyltoluene	119	13.900	13.900	(0.989)	1077544	10.0000	9.57084

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
112 1,3-Dichlorobenzene	146	13.979	13.979	(0.995)	528843	10.0000	9.50313
114 1,4-dichlorobenzene	146	14.077	14.077	(1.002)	503454	10.0000	9.25356
116 n-Butylbenzene	91	14.393	14.393	(1.025)	1094377	10.0000	9.41108
117 1,2-Dichlorobenzene	146	14.561	14.561	(1.037)	406080	10.0000	9.52871
118 1,2-Dibromo-3-chloropropane	157	15.566	15.566	(1.108)	18468	10.0000	9.76595
120 1,2,4-Trichlorobenzene	180	16.779	16.779	(1.194)	290025	10.0000	9.46346
121 Hexachlorobutadiene	225	16.986	16.986	(1.209)	259455	10.0000	8.94536
122 Naphthalene	128	17.243	17.243	(1.227)	275771	10.0000	9.76089
123 1,2,3-Trichlorobenzene	180	17.647	17.647	(1.256)	220652	10.0000	9.64921

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR6392.D

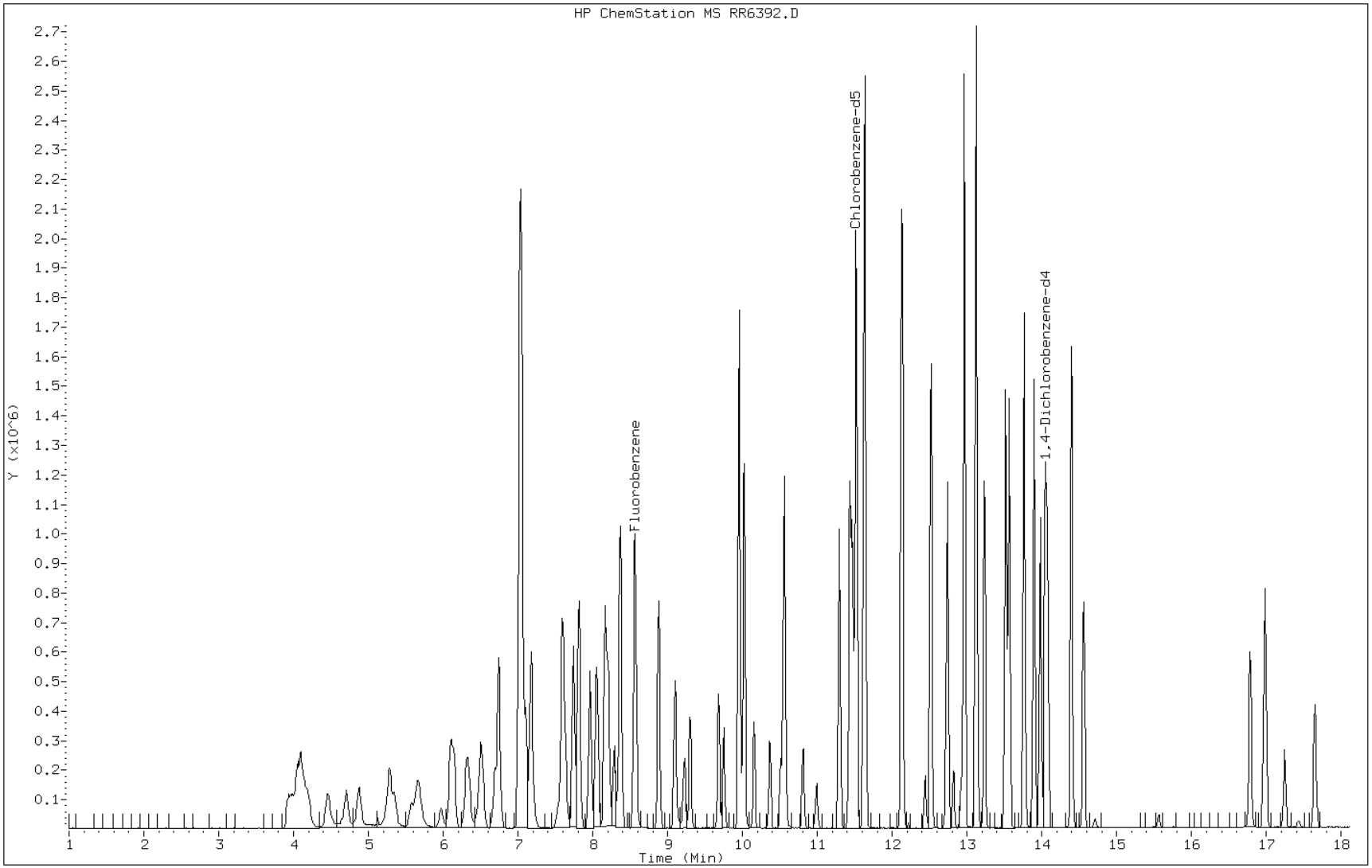
Date: 15-JUN-2012 09:07

Client ID:

Instrument: R2.i

Sample Info: IC,,M 10 5uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6393.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 09:30
Operator : DOBRANSKYM Inst ID: R2.i
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Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 08:39 Cal File: RR6357.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.566	8.566	(1.000)	1167221	12.5000	
*	88 Chlorobenzene-d5	119	11.435	11.435	(1.000)	241307	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.048	14.048	(1.000)	382860	12.5000	
M	2 1,2-Dichloroethene (total)	96				1876476	60.0000	57.9364
M	1 Trihalomethanes (total)	100				3381195	120.000	119.627
M	4 1,3-Dichloropropene (total)	100				1632422	60.0000	61.3210
M	3 Xylene (total)	106				4233844	90.0000	92.8585
	7 dichlorodifluoromethane	85	4.453	4.453	(0.520)	969592	30.0000	30.1112
	9 Chloromethane	50	4.700	4.700	(0.549)	777372	30.0000	28.0397
	10 Vinyl Chloride	62	4.877	4.877	(0.569)	883176	30.0000	29.6341
	12 Bromomethane	94	5.282	5.282	(0.617)	782617	30.0000	28.0675
	13 Chloroethane	64	5.351	5.351	(0.625)	530103	30.0000	27.5188
	15 Trichlorofluoromethane	101	5.656	5.656	(0.660)	1541013	30.0000	30.5698
	16 Ethanol	45	5.647	5.647	(0.659)	104745	1500.00	1439.42
	22 Acrolein	56	5.972	5.972	(0.697)	357758	300.000	301.640
	24 Acetone	43	6.090	6.090	(0.711)	257466	120.000	124.167
	25 1,1-Dichloroethene	96	6.110	6.110	(0.713)	874743	30.0000	27.9338
	26 Iodomethane	142	6.317	6.317	(0.738)	1829151	30.0000	28.5451
	28 Acetonitrile	41	6.366	6.366	(0.743)	211668	300.000	257.562
	31 tert-Butyl alcohol	59	6.465	6.465	(0.755)	329867	600.000	585.084
	32 Methylene Chloride	84	6.505	6.505	(0.759)	733686	30.0000	30.3231
	33 Acrylonitrile	53	6.692	6.692	(0.781)	739916	300.000	295.674

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.741	6.741	(0.787)	963142	30.0000	28.5213
38 Isopropyl ether	87	7.037	7.037	(0.822)	2281827	150.000	150.154
39 1,1-Dichloroethane	63	7.106	7.106	(0.830)	1618005	30.0000	28.9378
40 Chloroprene	53	7.175	7.175	(0.838)	1610782	30.0000	30.1204
43 2-Butanone	43	7.530	7.530	(0.879)	393752	120.000	120.533
45 cis-1,2-Dichloroethene	96	7.589	7.589	(0.886)	913334	30.0000	29.4151
46 Propionitrile	54	7.609	7.609	(0.888)	261936	300.000	295.972
47 2,2-Dichloropropane	77	7.619	7.619	(0.889)	1278653	30.0000	28.4148
48 Methacrylonitrile	41	7.737	7.737	(0.903)	1421494	300.000	296.012
49 Bromochloromethane	128	7.806	7.806	(0.911)	351070	30.0000	29.9402
50 Chloroform	83	7.816	7.816	(0.913)	1583967	30.0000	28.5787
54 1,1,1-Trichloroethane	97	8.053	8.053	(0.940)	1512290	30.0000	29.6463
53 Isobutanol	41	8.033	8.033	(0.938)	115790	600.000	596.870
56 1,1-Dichloropropene	75	8.161	8.161	(0.953)	1373881	30.0000	29.8141
57 Carbon Tetrachloride	117	8.201	8.201	(0.957)	1420630	30.0000	29.5601
60 1,2-Dichloroethane	62	8.349	8.349	(0.975)	708403	30.0000	31.2944
61 Benzene	78	8.368	8.368	(0.977)	3141757	30.0000	28.9303
63 n-Butanol	56	8.585	8.585	(1.002)	150176	900.000	882.527
64 Trichloroethene	95	8.881	8.881	(1.037)	991787	30.0000	30.2528
68 1,2-Dichloropropane	63	9.098	9.098	(1.062)	694574	30.0000	29.7806
69 1,4-Dioxane	88	9.157	9.157	(1.069)	99904	1500.00	1561.16
70 Dibromomethane	93	9.226	9.226	(1.077)	331594	30.0000	29.8555
71 Bromodichloromethane	83	9.295	9.295	(1.085)	921244	30.0000	29.7181
74 cis-1,3-Dichloropropene	75	9.680	9.680	(1.130)	937879	30.0000	30.0447
75 4-Methyl-2-pentanone	43	9.749	9.749	(1.138)	886461	120.000	122.315
77 Toluene	91	10.015	10.015	(1.169)	3230723	30.0000	29.8085
79 trans-1,3-Dichloropropene	75	10.153	10.153	(1.185)	694543	30.0000	31.2763
80 1,1,2-Trichloroethane	97	10.360	10.360	(1.210)	338681	30.0000	29.6902
81 2-Hexanone	43	10.508	10.508	(0.919)	587901	120.000	121.604
82 1,3-Dichloropropane	76	10.548	10.548	(0.922)	606627	30.0000	29.3067
83 Tetrachloroethene	164	10.558	10.558	(0.923)	920319	30.0000	30.8593
84 Dibromochloromethane	129	10.804	10.804	(0.945)	557985	30.0000	30.4027
86 1,2-Dibromoethane	107	10.991	10.991	(0.961)	374886	30.0000	30.5268
87 1-Chlorohexane	91	11.287	11.287	(0.987)	1329385	30.0000	30.7051
89 Chlorobenzene	112	11.465	11.465	(1.003)	2028987	30.0000	29.0313
90 1,1,1,2-Tetrachloroethane	131	11.514	11.514	(1.007)	715019	30.0000	30.5365
91 Ethylbenzene	106	11.514	11.514	(1.007)	1179831	30.0000	30.7098
92 m and p-Xylene	106	11.632	11.632	(1.017)	2930423	60.0000	62.1948
93 o-Xylene	106	12.125	12.125	(1.060)	1303421	30.0000	30.6637
94 Styrene	104	12.135	12.135	(1.061)	1972668	30.0000	31.8303
95 Bromoform	173	12.441	12.441	(1.088)	317999	30.0000	30.9272
96 isopropyl benzene	105	12.520	12.520	(0.891)	3904794	30.0000	30.3722
98 Cyclohexanone	55	12.717	12.717	(1.112)	310036	1200.00	1246.98
100 1,1,2,2-Tetrachloroethane	83	12.816	12.816	(0.912)	352180	30.0000	30.1312
102 1,2,3-Trichloropropane	110	12.914	12.914	(0.919)	91077	30.0000	30.5686(Q)
103 Bromobenzene	156	12.964	12.964	(0.923)	909471	30.0000	30.7421
104 n-Propylbenzene	120	12.964	12.964	(0.923)	1057544	30.0000	30.0960
106 2-Chlorotoluene	126	13.131	13.131	(0.935)	928221	30.0000	30.2802
105 1,3,5-Trimethylbenzene	105	13.121	13.121	(0.934)	3193116	30.0000	31.1858
107 4-Chlorotoluene	126	13.230	13.230	(0.942)	875452	30.0000	30.0285
108 tert-Butylbenzene	119	13.516	13.516	(0.962)	2758088	30.0000	30.3777
109 1,2,4-Trimethylbenzene	105	13.565	13.565	(0.966)	3019990	30.0000	30.2290
110 sec-Butylbenzene	134	13.762	13.762	(0.980)	862018	30.0000	30.7884
111 4-Isopropyltoluene	119	13.900	13.900	(0.989)	3582028	30.0000	30.9694

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
112 1,3-Dichlorobenzene	146	13.979	13.979	(0.995)	1718306	30.0000	30.0559
114 1,4-dichlorobenzene	146	14.078	14.078	(1.002)	1634592	30.0000	29.2447
116 n-Butylbenzene	91	14.394	14.394	(1.025)	3612731	30.0000	30.2411
117 1,2-Dichlorobenzene	146	14.561	14.561	(1.036)	1326574	30.0000	30.3000
118 1,2-Dibromo-3-chloropropane	157	15.567	15.567	(1.108)	59651	30.0000	30.7045
120 1,2,4-Trichlorobenzene	180	16.780	16.780	(1.194)	968879	30.0000	30.7732
121 Hexachlorobutadiene	225	16.977	16.977	(1.208)	883618	30.0000	29.6544
122 Naphthalene	128	17.243	17.243	(1.227)	918216	30.0000	31.6355
123 1,2,3-Trichlorobenzene	180	17.648	17.648	(1.256)	715189	30.0000	30.4435

QC Flag Legend

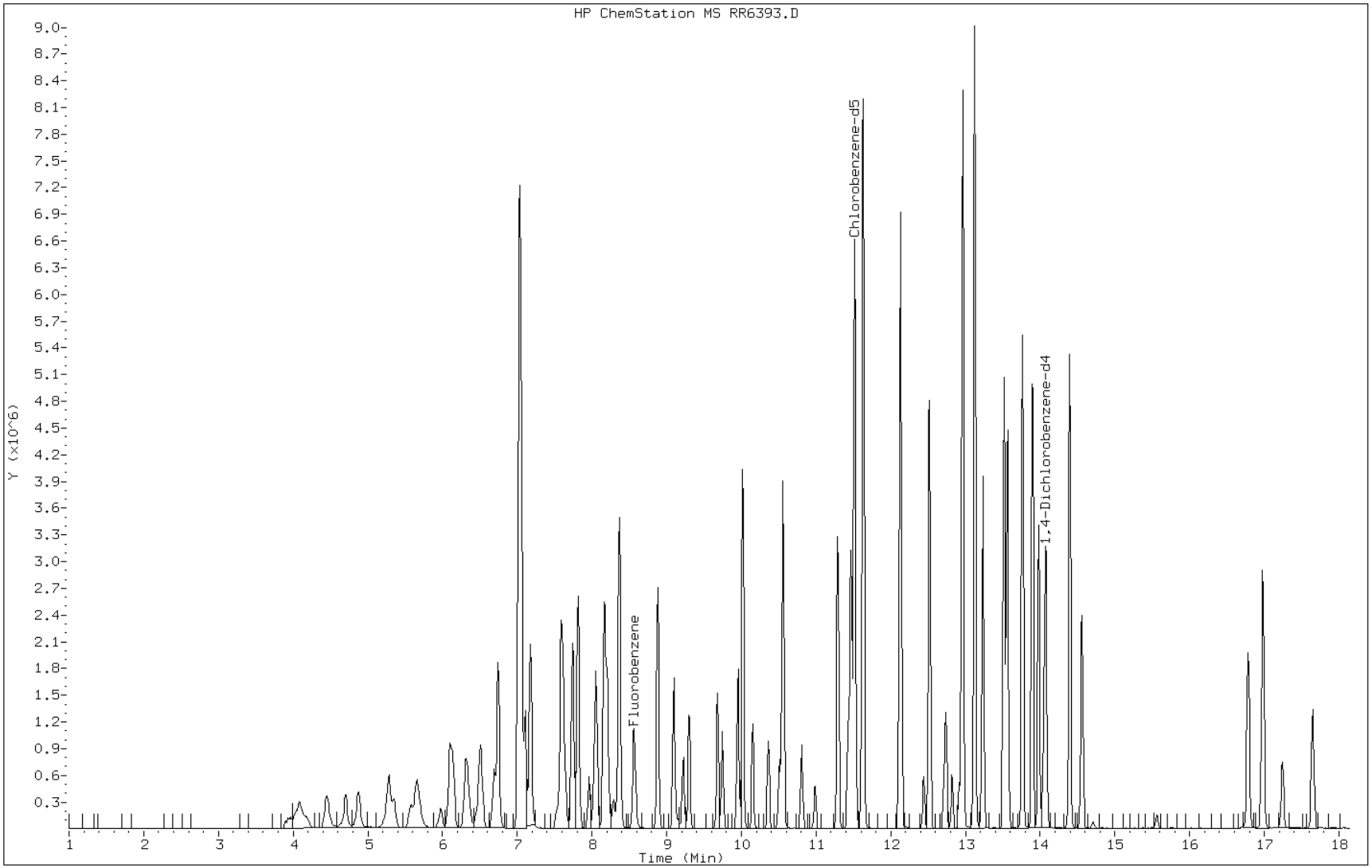
Q - Qualifier signal failed the ratio test.

Data File: RR6393.D

Date: 15-JUN-2012 09:30

Client ID: Instrument: R2.i

Sample Info: IC,,M 30 15uL Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6394.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 09:52
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 60 30uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 13:53 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.559	8.555	(1.000)	1270557	12.5000	
* 88	Chlorobenzene-d5	119	11.439	11.425	(1.000)	268496	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.052	14.038	(1.000)	413597	12.5000	
M 2	1,2-Dichloroethene (total)	96				4057069	120.000	115.117
M 1	Trihalomethanes (total)	100				7358854	240.000	236.983
M 4	1,3-Dichloropropene (total)	100				3528223	120.000	121.532
M 3	Xylene (total)	106				9368163	180.000	184.716
7	dichlorodifluoromethane	85	4.447	4.447	(0.520)	1913520	60.0000	54.5922
9	Chloromethane	50	4.704	4.704	(0.550)	1644300	60.0000	54.4859
10	Vinyl Chloride	62	4.871	4.871	(0.569)	1809301	60.0000	55.7717
12	Bromomethane	94	5.285	5.285	(0.618)	1655442	60.0000	54.5416
13	Chloroethane	64	5.354	5.354	(0.626)	1110468	60.0000	52.9583
15	Trichlorofluoromethane	101	5.660	5.660	(0.661)	3106492	60.0000	56.6130
16	Ethanol	45	5.670	5.670	(0.662)	235730	3000.00	2975.98
22	Acrolein	56	5.976	5.976	(0.698)	770894	600.000	597.109
24	Acetone	43	6.084	6.084	(0.711)	522936	240.000	237.819
25	1,1-Dichloroethene	96	6.133	6.133	(0.717)	1877764	60.0000	55.0870
26	Iodomethane	142	6.311	6.311	(0.737)	4085287	60.0000	58.5684
28	Acetonitrile	41	6.360	6.360	(0.743)	458541	600.000	512.582
31	tert-Butyl alcohol	59	6.459	6.459	(0.755)	733287	1200.00	1194.85
32	Methylene Chloride	84	6.508	6.508	(0.760)	1554552	60.0000	59.8007
33	Acrylonitrile	53	6.686	6.686	(0.781)	1536241	600.000	563.961
35	trans-1,2-Dichloroethene	96	6.745	6.745	(0.788)	2064700	60.0000	56.1687

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
38 Isopropyl ether	87	7.031	7.031	(0.821)	5091301	300.000	307.781(A)
39 1,1-Dichloroethane	63	7.110	7.110	(0.831)	3499530	60.0000	57.4982
40 Chloroprene	53	7.179	7.179	(0.839)	3404770	60.0000	58.4885
43 2-Butanone	43	7.524	7.524	(0.879)	823447	240.000	231.567
45 cis-1,2-Dichloroethene	96	7.583	7.583	(0.886)	1992369	60.0000	58.9480
46 Propionitrile	54	7.613	7.613	(0.889)	565986	600.000	587.517
47 2,2-Dichloropropane	77	7.613	7.613	(0.889)	2760959	60.0000	56.3652
48 Methacrylonitrile	41	7.741	7.741	(0.904)	3030913	600.000	579.824
49 Bromochloromethane	128	7.810	7.810	(0.912)	761765	60.0000	59.6817
50 Chloroform	83	7.820	7.820	(0.914)	3448295	60.0000	57.1557
54 1,1,1-Trichloroethane	97	8.056	8.056	(0.941)	3281463	60.0000	59.0966
53 Isobutanol	41	8.037	8.037	(0.939)	251476	1200.00	1190.87
56 1,1-Dichloropropene	75	8.165	8.165	(0.954)	2899163	60.0000	57.7968
57 Carbon Tetrachloride	117	8.204	8.204	(0.959)	3038969	60.0000	58.0912
60 1,2-Dichloroethane	62	8.352	8.352	(0.976)	1511106	60.0000	61.3253(A)
61 Benzene	78	8.372	8.372	(0.978)	6745735	60.0000	57.0649
63 n-Butanol	56	8.589	8.589	(1.003)	325665	1800.00	1810.14(A)
64 Trichloroethene	95	8.875	8.875	(1.037)	2127679	60.0000	59.6227
68 1,2-Dichloropropane	63	9.102	9.102	(1.063)	1495870	60.0000	58.9207
69 1,4-Dioxane	88	9.161	9.161	(1.070)	210678	3000.00	3024.43(A)
70 Dibromomethane	93	9.220	9.220	(1.077)	714016	60.0000	59.0588
71 Bromodichloromethane	83	9.299	9.299	(1.086)	1989941	60.0000	58.9720
74 cis-1,3-Dichloropropene	75	9.684	9.684	(1.131)	2045848	60.0000	60.2079(A)
75 4-Methyl-2-pentanone	43	9.743	9.743	(1.138)	1877122	240.000	237.942
77 Toluene	91	10.019	10.019	(1.171)	7062780	60.0000	59.8653
79 trans-1,3-Dichloropropene	75	10.157	10.157	(1.187)	1482375	60.0000	61.3244(A)
80 1,1,2-Trichloroethane	97	10.364	10.364	(1.211)	737265	60.0000	59.3753
81 2-Hexanone	43	10.512	10.512	(0.919)	1238894	240.000	230.308
82 1,3-Dichloropropane	76	10.551	10.551	(0.922)	1305219	60.0000	56.6710
83 Tetrachloroethene	164	10.561	10.561	(0.923)	2000513	60.0000	60.2866(A)
84 Dibromochloromethane	129	10.808	10.808	(0.945)	1223273	60.0000	59.9025
86 1,2-Dibromoethane	107	10.985	10.985	(0.960)	815744	60.0000	59.6990
87 1-Chlorohexane	91	11.291	11.291	(0.987)	2815227	60.0000	58.4394
89 Chlorobenzene	112	11.468	11.468	(1.003)	4485069	60.0000	57.6751
90 1,1,1,2-Tetrachloroethane	131	11.518	11.518	(1.007)	1607419	60.0000	61.6968(A)
91 Ethylbenzene	106	11.518	11.518	(1.007)	2593746	60.0000	60.6760(A)
92 m and p-Xylene	106	11.636	11.636	(1.017)	6456936	120.000	123.164(A)
93 o-Xylene	106	12.129	12.129	(1.060)	2911227	60.0000	61.5528(A)
94 Styrene	104	12.129	12.129	(1.060)	4501646	60.0000	65.2816(A)
95 Bromoform	173	12.445	12.445	(1.088)	697345	60.0000	60.9530(A)
96 isopropyl benzene	105	12.514	12.514	(0.891)	8521869	60.0000	61.3585(A)
98 Cyclohexanone	55	12.721	12.721	(1.112)	648328	2400.00	2343.55
100 1,1,2,2-Tetrachloroethane	83	12.819	12.819	(0.912)	752032	60.0000	59.6789
102 1,2,3-Trichloropropane	110	12.918	12.918	(0.919)	193520	60.0000	60.1251(AQ)
103 Bromobenzene	156	12.967	12.967	(0.923)	2060966	60.0000	64.4878(A)
104 n-Propylbenzene	120	12.967	12.967	(0.923)	2356619	60.0000	62.0816(A)
106 2-Chlorotoluene	126	13.135	13.135	(0.935)	2064231	60.0000	62.3344(A)
105 1,3,5-Trimethylbenzene	105	13.125	13.125	(0.934)	7096193	60.0000	64.1550(A)
107 4-Chlorotoluene	126	13.234	13.234	(0.942)	1928388	60.0000	61.2291(A)
108 tert-Butylbenzene	119	13.520	13.520	(0.962)	6041554	60.0000	61.5968(A)
109 1,2,4-Trimethylbenzene	105	13.569	13.569	(0.966)	6748010	60.0000	62.5255(A)
110 sec-Butylbenzene	134	13.766	13.766	(0.980)	1865257	60.0000	61.6698(A)
111 4-Isopropyltoluene	119	13.904	13.904	(0.989)	7747914	60.0000	62.0085(A)
112 1,3-Dichlorobenzene	146	13.983	13.983	(0.995)	3747144	60.0000	60.6725(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
114 1,4-dichlorobenzene	146	14.082	14.082	(1.002)	3521412	60.0000	58.3200
116 n-Butylbenzene	91	14.397	14.397	(1.025)	7774732	60.0000	60.2434(A)
117 1,2-Dichlorobenzene	146	14.565	14.565	(1.036)	2889015	60.0000	61.0835(A)
118 1,2-Dibromo-3-chloropropane	157	15.571	15.571	(1.108)	131507	60.0000	62.6607(A)
120 1,2,4-Trichlorobenzene	180	16.784	16.784	(1.194)	2111392	60.0000	62.0776(A)
121 Hexachlorobutadiene	225	16.981	16.981	(1.208)	1856369	60.0000	57.6702
122 Naphthalene	128	17.247	17.247	(1.227)	2011769	60.0000	64.1609(A)
123 1,2,3-Trichlorobenzene	180	17.651	17.651	(1.256)	1557829	60.0000	61.3840(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: RR6394.D

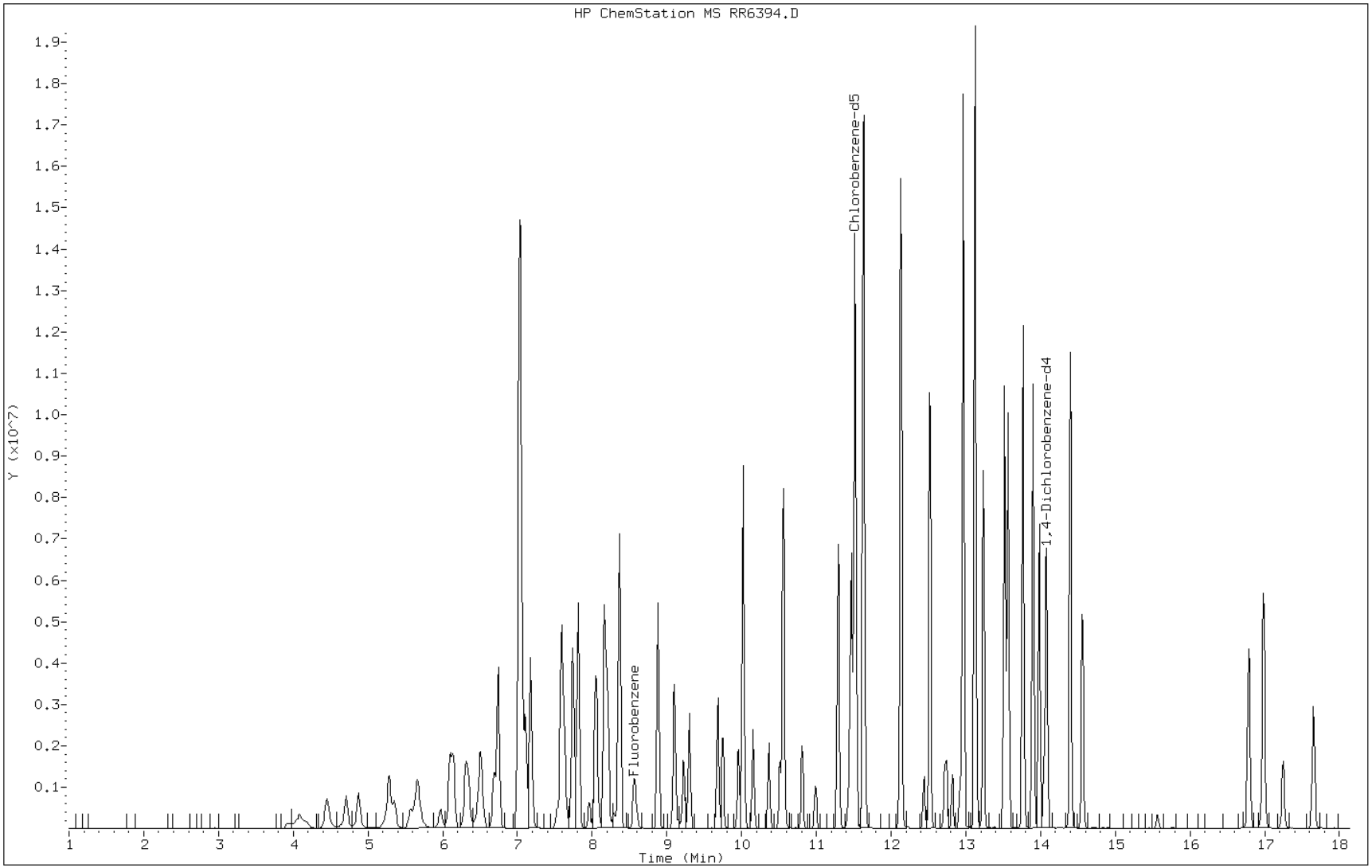
Date: 15-JUN-2012 09:52

Client ID:

Instrument: R2.i

Sample Info: IC,,M 60 30uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab Sample ID: ICV 280-124040/9 Calibration Date: 06/14/2012 09:46

Instrument ID: MSV_R2 Calib Start Date: 06/14/2012 07:32

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/14/2012 09:23

Lab File ID: RR6360.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.7189	0.7829		10.9	10.0	8.9	50.0
Ethyl ether	Ave	0.1209	0.1228		10.2	10.0	1.5	35.0
Isopropyl alcohol	Ave	0.0047	0.0048		201	200	0.3	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.5501	0.6119		11.1	10.0	11.2	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2920	0.3286		11.3	10.0	12.5	35.0
Methyl acetate	Ave	0.0607	0.0620		51.1	50.0	2.2	55.0
Allyl chloride	Ave	0.4807	0.5216		10.9	10.0	8.5	35.0
Carbon disulfide	Ave	1.356	1.313		9.68	10.0	-3.2	20.0
Methyl tert-butyl ether	Ave	0.3366	0.3546		10.5	10.0	5.3	20.0
Hexane	Ave	2.336	2.308		9.88	10.0	-1.2	20.0
Vinyl acetate	Ave	0.2479	0.2209		17.8	20.0	-10.9	55.0
Tert-butyl ethyl ether	Ave	0.5682	0.6036		53.1	50.0	6.2	35.0
Ethyl acetate	Ave	0.0944	0.0986		20.9	20.0	4.4	55.0
2-Butanol	Ave	0.0052	0.0052		302	301	0.3	50.0
Tetrahydrofuran	Ave	0.0208	0.0207		19.9	20.0	-0.6	55.0
Cyclohexane	Ave	0.5574	0.6182		11.1	10.0	10.9	35.0
Tert-amyl methyl ether	Ave	0.4054	0.4192		51.7	50.0	3.4	35.0
2-Pentanone	Ave	0.0635	0.0700		44.1	40.0	10.3	55.0
Methyl methacrylate	Ave	0.0214	0.0223		20.8	20.0	4.0	35.0
Methylcyclohexane	Ave	0.4888	0.5405		11.1	10.0	10.6	35.0
2-Chloroethyl vinyl ether	Ave	0.0583	0.0620		10.6	10.0	6.4	55.0
2-Nitropropane	Ave	0.0220	0.0232		10.5	10.0	5.4	55.0
Ethyl methacrylate	Ave	0.6161	0.6319		20.5	20.0	2.6	35.0
cis-1,4-Dichloro-2-butene	Ave	0.1110	0.1031		9.29	10.0	-7.1	55.0
trans-1,4-Dichloro-2-butene	Lin1	0.0907	0.0916		9.22	10.0	-7.8	55.0
Dibromofluoromethane (Surr)	Lin2	0.4864	0.4306		9.90	10.0	-1.0	35.0
1,2-Dichloroethane-d4 (Surr)	Lin	0.3193	0.2783		9.71	10.0	-2.9	35.0
Toluene-d8 (Surr)	Lin1	7.226	6.252		9.96	10.0	-0.4	35.0
4-Bromofluorobenzene (Surr)	Lin2	1.493	1.286		9.74	10.0	-2.6	35.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6360.D
Lab Smp Id: ICV
Inj Date : 14-JUN-2012 09:46
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,S 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	8.564	8.561	(1.000)	995420	12.5000	
* 88 Chlorobenzene-d5	119	11.434	11.431	(1.000)	212474	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.047	14.044	(1.000)	296826	12.5000	
$ 52 Dibromofluoromethane (Surr)	111	7.963	7.959	(0.930)	342936	9.90226	9.90226
$ 58 1,2-Dichloroethane-d4	65	8.288	8.285	(0.968)	221616	9.71038	9.71038
$ 76 Toluene-d8	98	9.955	9.951	(0.871)	1062636	9.96483	9.96483
$ 99 4-Bromofluorobenzene (Surr)	95	12.736	12.742	(0.907)	305256	9.74242	9.74242
11 Ethylene Oxide	43	5.192	5.198	(0.606)	460316	1180.91	1180.91
14 Dichlorofluoromethane	67	5.527	5.534	(0.645)	623465	10.8906	10.8906
17 1,2-dichloro-1,1,2-trifluoroe	117	5.803	5.810	(0.678)	306920	11.1078	11.1078
21 Propylene Oxide	58	5.912	5.908	(0.690)	784590	545.126	545.126
19 Ethyl Ether	59	5.783	5.790	(0.675)	97762	10.1545	10.1545
20 2,2-dichloro-1,1,1-trifluoroe	83	5.852	5.849	(0.683)	487303	11.1244	11.1244
23 Trichlorotrifluoroethane	151	6.089	6.096	(0.711)	261695	11.2550	11.2550
18 2-propanol	45	5.783	5.790	(0.675)	75776	200.578	200.578
27 Methyl Acetate	43	6.336	6.332	(0.740)	246968	51.0902	51.0902
29 Allyl Chloride	41	6.395	6.391	(0.747)	415364	10.8500	10.8500
30 Carbon Disulfide	76	6.405	6.411	(0.748)	1045258	9.68031	9.68031
34 Methyl t-butyl ether	73	6.691	6.687	(0.781)	282405	10.5348	10.5348
36 Hexane	57	6.908	6.904	(0.604)	392252	9.87848	9.87848
37 Vinyl acetate	43	7.026	7.023	(0.820)	351806	17.8233	17.8233
41 ETBE	59	7.341	7.348	(0.857)	2403291	53.1105	53.1105

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
42	Ethyl Acetate	43	7.499	7.496	(0.876)	157069	20.8897	20.8897
44	2-Butanol	45	7.568	7.565	(0.884)	125886	302.245	302.245
51	Tetrahydrofuran	42	7.835	7.841	(0.915)	32948	19.8799	19.8799
55	Cyclohexane	56	8.121	8.127	(0.948)	492284	11.0901	11.0901
59	TAME	73	8.337	8.344	(0.974)	1668941	51.7015	51.7014
65	2-Pentanone	43	8.929	8.926	(1.043)	223053	44.1056	44.1056
67	Methyl Cyclohexane	55	9.087	9.084	(1.061)	430415	11.0565	11.0565
66	Methyl Methacrylate	100	9.028	9.024	(1.054)	35455	20.8029	20.8029
73	2-nitropropane	41	9.471	9.478	(1.106)	18440	10.5393	10.5393
72	2-Chloroethyl vinyl ether	63	9.462	9.458	(1.105)	49377	10.6398	10.6398
78	Ethyl methacrylate	69	10.122	10.119	(0.885)	214822	20.5138	20.5138
85	Tetrahydrothiophene	60	10.862	10.859	(0.950)	39878	8.05930	8.05930
97	cis-1,4-dichloro-2-butene	53	12.568	12.574	(0.895)	24470	9.28763	9.28763
101	t-1,4-Dichloro-2-butene	53	12.874	12.870	(0.916)	21754	9.21640	9.21640
115	1,2,3-Trimethylbenzene	105	14.087	14.083	(1.003)	764269	10.3246	10.3246
119	Tetralin	104	Compound Not Detected.					

Data File: RR6360.D

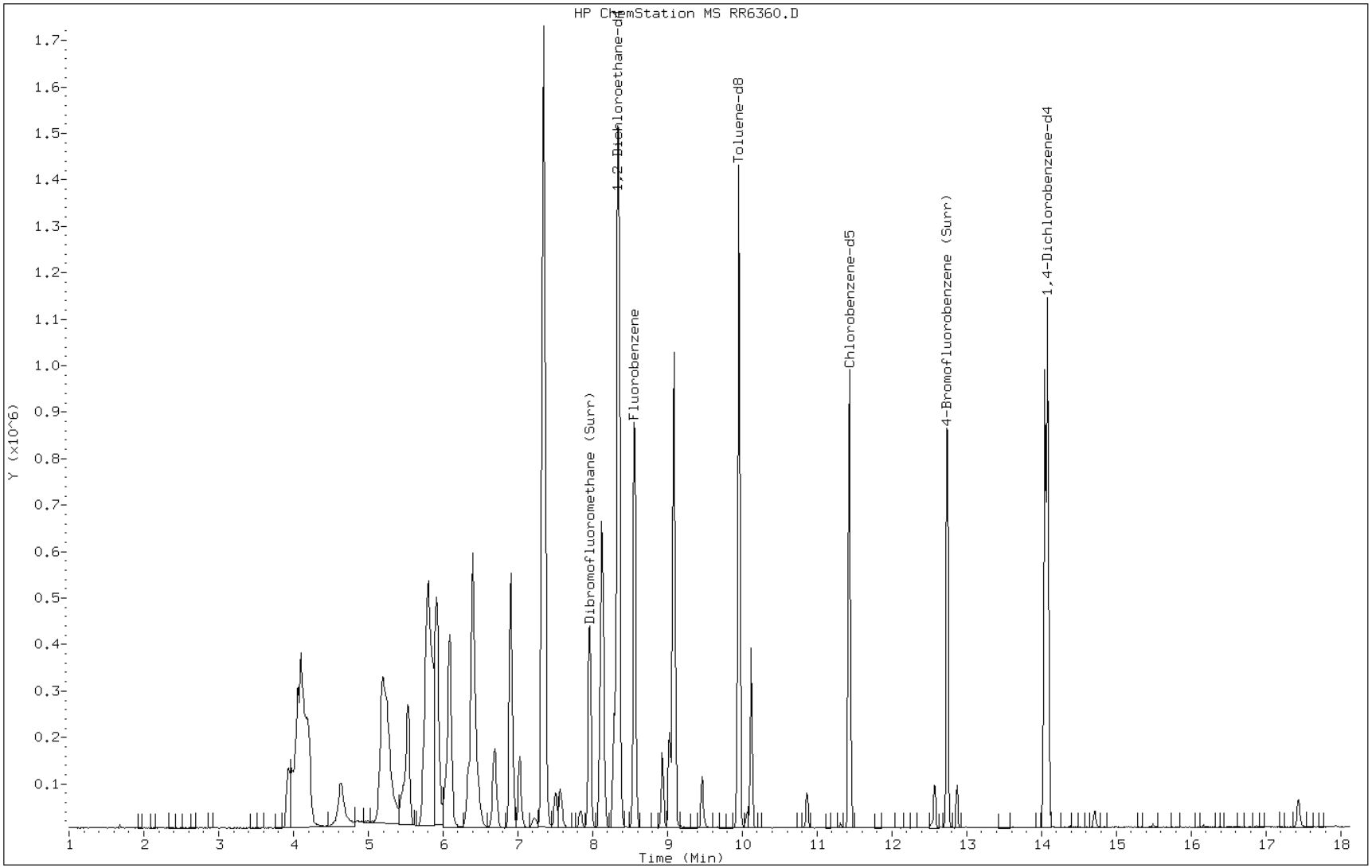
Date: 14-JUN-2012 09:46

Client ID:

Instrument: R2.i

Sample Info: ICV,,S 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab Sample ID: ICV 280-124226/10 Calibration Date: 06/15/2012 10:15

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6395.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Ave	0.0008	0.0009		227	200	13.5	50.0
2-Chloro-1,3-butadiene	Ave	0.5727	0.5547		9.69	10.0	-3.1	35.0
Propionitrile	Ave	0.0095	0.0095		100	100	0.2	35.0
Methacrylonitrile	Ave	0.0514	0.0534		104	100	3.7	50.0
Isobutyl alcohol	Ave	0.0021	0.0021		201	200	0.6	50.0
1,4-Dioxane	Ave	0.0007	0.0007		199	200	-0.3	55.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6395.D
Lab Smp Id: ICV
Inj Date : 15-JUN-2012 10:15
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,MB 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvmb.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	8.564	8.559	(1.000)	1228623	12.5000	
* 88 Chlorobenzene-d5	119	11.433	11.439	(1.000)	256376	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.046	14.052	(1.000)	350169	12.5000	(Q)
16 Ethanol	45	5.654	5.670	(0.660)	17394	227.086	227.086
40 Chloroprene	53	7.183	7.179	(0.839)	545204	9.68539	9.68539
46 Propionitrile	54	7.607	7.613	(0.888)	93354	100.213	100.213
48 Methacrylonitrile	41	7.745	7.741	(0.904)	524389	103.741	103.741
53 Isobutanol	41	8.041	8.037	(0.939)	41077	201.160	201.160
69 1,4-Dioxane	88	9.165	9.161	(1.070)	13426	199.318	199.318(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6395.D

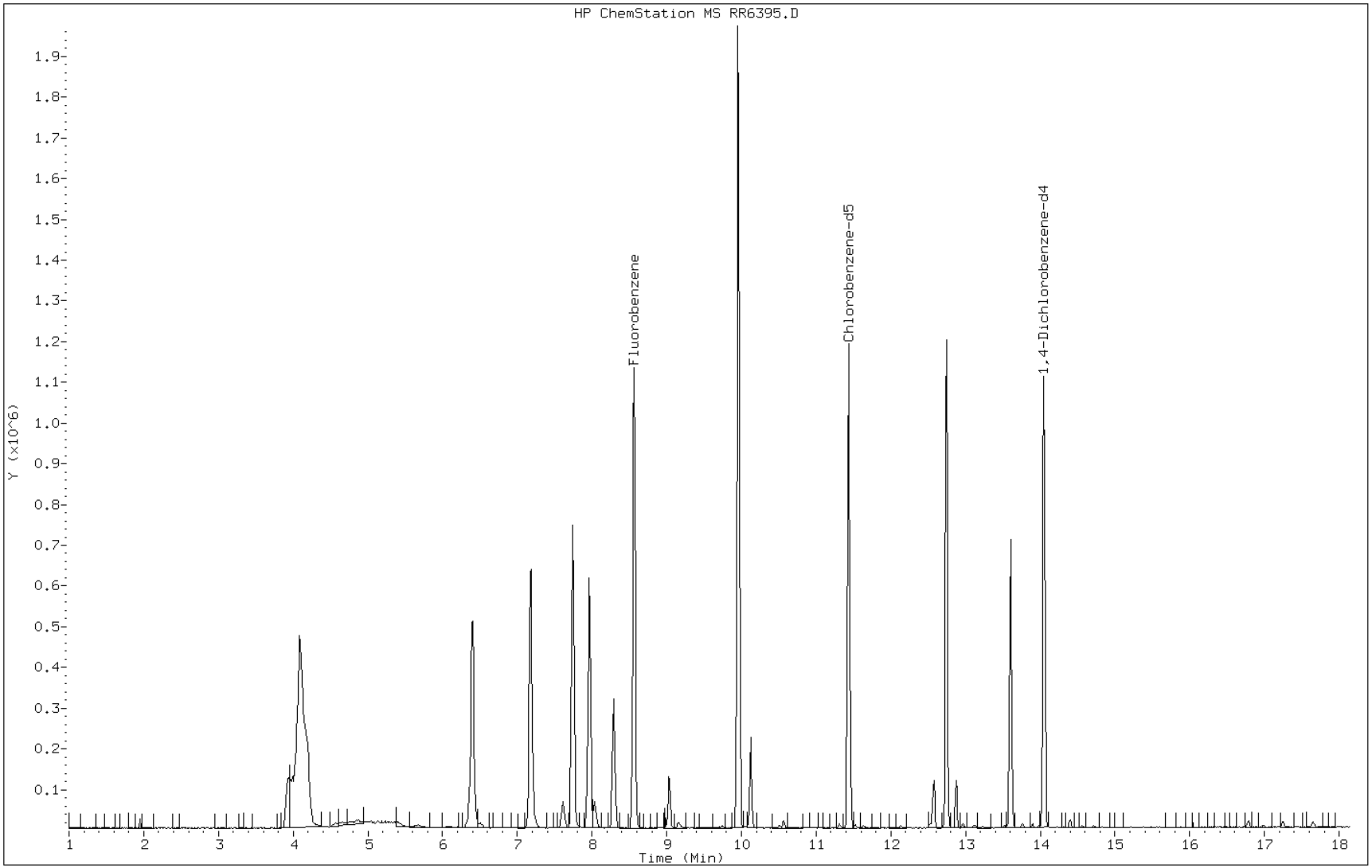
Date: 15-JUN-2012 10:15

Client ID:

Instrument: R2.i

Sample Info: ICV,,MB 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab Sample ID: ICV 280-124226/11 Calibration Date: 06/15/2012 10:37

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6396.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3471	0.3470		20.0	20.0	-0.0	20.0
Xylenes, Total	Ave	2.361	2.385		30.3	30.0	1.0	35.0
Dichlorodifluoromethane	Ave	0.3448	0.3205		9.29	10.0	-7.1	20.0
Chloromethane	Ave	0.2969	0.3102	0.1000	10.4	10.0	4.5	20.0
Vinyl chloride	Ave	0.3192	0.3275		10.3	10.0	2.6	20.0
Bromomethane	Ave	0.2986	0.2971		9.95	10.0	-0.5	20.0
Chloroethane	Ave	0.2063	0.2075		10.1	10.0	0.6	20.0
Trichlorofluoromethane	Ave	0.5398	0.5485		10.2	10.0	1.6	20.0
Acrolein	Ave	0.0127	0.0123		97.1	100	-2.9	55.0
1,1-Dichloroethene	Ave	0.3354	0.3376		10.1	10.0	0.7	20.0
Iodomethane	Ave	0.6862	0.6383		9.30	10.0	-7.0	35.0
Methylene Chloride	Lin	0.2999	0.2795		10.3	10.0	2.6	20.0
Acrylonitrile	Ave	0.0268	0.0288		107	100	7.3	55.0
trans-1,2-Dichloroethene	Ave	0.3616	0.3605		9.97	10.0	-0.3	20.0
1,1-Dichloroethane	Ave	0.5988	0.5850	0.1000	9.77	10.0	-2.3	20.0
2-Butanone (MEK)	Ave	0.0350	0.0373		42.6	40.0	6.6	20.0
cis-1,2-Dichloroethene	Ave	0.3325	0.3336		10.0	10.0	0.3	20.0
2,2-Dichloropropane	Ave	0.4819	0.4798		9.96	10.0	-0.4	20.0
Chlorobromomethane	Ave	0.1256	0.1248		9.94	10.0	-0.6	20.0
Chloroform	Ave	0.5936	0.5635		9.49	10.0	-5.1	20.0
1,1,1-Trichloroethane	Ave	0.5463	0.5219		9.55	10.0	-4.5	20.0
1,1-Dichloropropene	Ave	0.4935	0.4936		10.0	10.0	0.0	20.0
Carbon tetrachloride	Ave	0.5147	0.5038		9.79	10.0	-2.1	20.0
1,2-Dichloroethane	Ave	0.2424	0.2619		10.8	10.0	8.0	20.0
Benzene	Ave	1.163	1.134		9.75	10.0	-2.5	20.0
Trichloroethene	Ave	0.3511	0.3522		10.0	10.0	0.3	20.0
1,2-Dichloropropane	Ave	0.2498	0.2508		10.0	10.0	0.4	20.0
Dibromomethane	Ave	0.1189	0.1211		10.2	10.0	1.8	20.0
Dichlorobromomethane	Ave	0.3320	0.3278		9.87	10.0	-1.3	20.0
cis-1,3-Dichloropropene	Ave	0.3343	0.3405		10.2	10.0	1.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0776	0.0862		44.4	40.0	11.1	20.0
Toluene	Ave	1.161	1.193		10.3	10.0	2.7	20.0
trans-1,3-Dichloropropene	Ave	0.2378	0.2523		10.6	10.0	6.1	20.0
1,1,2-Trichloroethane	Ave	0.1222	0.1274		10.4	10.0	4.3	20.0
2-Hexanone	Ave	0.2504	0.2783		44.5	40.0	11.1	20.0
1,3-Dichloropropane	Ave	1.072	1.071		9.99	10.0	-0.1	20.0
Tetrachloroethene	Ave	1.545	1.547		10.0	10.0	0.2	20.0
Chlorodibromomethane	Ave	0.9507	0.9526		10.0	10.0	0.2	20.0
Ethylene Dibromide	Ave	0.6361	0.6602		10.4	10.0	3.8	20.0
1-Chlorohexane	Ave	2.243	2.270		10.1	10.0	1.2	35.0
Chlorobenzene	Ave	3.620	3.491	0.3000	9.64	10.0	-3.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab Sample ID: ICV 280-124226/11 Calibration Date: 06/15/2012 10:37

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6396.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,1,2-Tetrachloroethane	Ave	1.213	1.187		9.78	10.0	-2.2	20.0
Ethylbenzene	Ave	1.990	2.040		10.3	10.0	2.5	20.0
m-Xylene & p-Xylene	Ave	2.441	2.479		20.3	20.0	1.6	20.0
o-Xylene	Ave	2.202	2.197		9.98	10.0	-0.2	20.0
Styrene	Ave	3.210	3.281		10.2	10.0	2.2	20.0
Bromoform	Ave	0.5326	0.5328	0.1000	10.0	10.0	0.0	20.0
Isopropylbenzene	Ave	4.198	4.352		10.4	10.0	3.7	20.0
Cyclohexanone	Ave	0.0129	0.0115		224	250	-10.5	55.0
1,1,2,2-Tetrachloroethane	Lin1	0.4145	0.4089	0.3000	10.6	10.0	6.4	20.0
1,2,3-Trichloropropane	Ave	0.0973	0.0999		10.3	10.0	2.7	20.0
Bromobenzene	Ave	0.9659	0.9885		10.2	10.0	2.3	20.0
N-Propylbenzene	Ave	1.147	1.164		10.1	10.0	1.4	20.0
1,3,5-Trimethylbenzene	Ave	3.343	3.425		10.2	10.0	2.4	20.0
2-Chlorotoluene	Ave	1.001	1.002		10.0	10.0	0.0	20.0
4-Chlorotoluene	Ave	0.9519	0.9757		10.3	10.0	2.5	20.0
tert-Butylbenzene	Ave	2.964	3.034		10.2	10.0	2.4	20.0
1,2,4-Trimethylbenzene	Ave	3.262	3.256		9.98	10.0	-0.2	20.0
sec-Butylbenzene	Ave	0.9141	0.9351		10.2	10.0	2.3	20.0
4-Isopropyltoluene	Ave	3.776	3.775		10.0	10.0	-0.0	20.0
1,3-Dichlorobenzene	Ave	1.867	1.845		9.89	10.0	-1.1	20.0
1,4-Dichlorobenzene	Ave	1.825	1.750		9.59	10.0	-4.1	20.0
n-Butylbenzene	Ave	3.900	3.928		10.1	10.0	0.7	20.0
1,2-Dichlorobenzene	Ave	1.429	1.308		9.15	10.0	-8.5	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0634	0.0629		9.92	10.0	-0.8	20.0
1,2,4-Trichlorobenzene	Ave	1.028	1.006		9.79	10.0	-2.1	20.0
Hexachlorobutadiene	Ave	0.9728	0.9150		9.41	10.0	-5.9	20.0
Naphthalene	Ave	0.9476	0.9746		10.3	10.0	2.8	20.0
1,2,3-Trichlorobenzene	Ave	0.7670	0.7553		9.85	10.0	-1.5	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6396.D
Lab Smp Id: ICV
Inj Date : 15-JUN-2012 10:37
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,MA 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvma-Ace.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
*	62 Fluorobenzene	96	8.571	8.559	(1.000)	1172093	12.5000		
*	88 Chlorobenzene-d5	119	11.441	11.439	(1.000)	246742	12.5000		
*	113 1,4-Dichlorobenzene-d4	152	14.054	14.052	(1.000)	371869	12.5000		(Q)
M	2 1,2-Dichloroethene (total)	96				650792	19.9995	19.9994	
M	3 Xylene (total)	106				1412262	30.2894	30.2894	
M	4 1,3-Dichloropropene (total)	100				555898	20.7963	20.7963	
M	1 Trihalomethanes (total)	100				1128906	39.3895	39.3894	
	7 dichlorodifluoromethane	85	4.459	4.447	(0.520)	300536	9.29450	9.29450	
	9 Chloromethane	50	4.715	4.704	(0.550)	290861	10.4477	10.4477	
	10 Vinyl Chloride	62	4.873	4.871	(0.569)	307078	10.2609	10.2609	
	12 Bromomethane	94	5.287	5.285	(0.617)	278577	9.94927	9.94927	
	13 Chloroethane	64	5.346	5.354	(0.624)	194534	10.0567	10.0567	
	15 Trichlorofluoromethane	101	5.672	5.660	(0.662)	514301	10.1600	10.1600	
	22 Acrolein	56	5.987	5.976	(0.699)	115603	97.0644	97.0644	
	25 1,1-Dichloroethene	96	6.116	6.133	(0.714)	316547	10.0665	10.0665	
	26 Iodomethane	142	6.323	6.311	(0.738)	598527	9.30157	9.30157	
	32 Methylene Chloride	84	6.520	6.508	(0.761)	262049	10.2567	10.2566	
	33 Acrylonitrile	53	6.697	6.686	(0.781)	269610	107.290	107.290	
	35 trans-1,2-Dichloroethene	96	6.757	6.745	(0.788)	338012	9.96785	9.96785	
	39 1,1-Dichloroethane	63	7.112	7.110	(0.830)	548546	9.76990	9.76990	
	43 2-Butanone	43	7.536	7.524	(0.879)	139890	42.6443	42.6443	
	45 cis-1,2-Dichloroethene	96	7.595	7.583	(0.886)	312780	10.0316	10.0316	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
47 2,2-Dichloropropane	77	7.624	7.613	(0.890)	449913	9.95663	9.95662
49 Bromochloromethane	128	7.822	7.810	(0.913)	117036	9.93967	9.93967
50 Chloroform	83	7.822	7.820	(0.913)	528360	9.49330	9.49330
54 1,1,1-Trichloroethane	97	8.058	8.056	(0.940)	489406	9.55424	9.55424
56 1,1-Dichloropropene	75	8.167	8.165	(0.953)	462797	10.0012	10.0012
57 Carbon Tetrachloride	117	8.206	8.204	(0.957)	472389	9.78850	9.78850
60 1,2-Dichloroethane	62	8.364	8.352	(0.976)	245592	10.8042	10.8042
61 Benzene	78	8.374	8.372	(0.977)	1063002	9.74778	9.74778
64 Trichloroethene	95	8.887	8.875	(1.037)	330280	10.0327	10.0327
68 1,2-Dichloropropane	63	9.104	9.102	(1.062)	235118	10.0390	10.0390
70 Dibromomethane	93	9.232	9.220	(1.077)	113541	10.1803	10.1803
71 Bromodichloromethane	83	9.301	9.299	(1.085)	307338	9.87311	9.87311
74 cis-1,3-Dichloropropene	75	9.685	9.684	(1.130)	319292	10.1859	10.1859
75 4-Methyl-2-pentanone	43	9.754	9.743	(1.138)	323391	44.4365	44.4364
77 Toluene	91	10.021	10.019	(1.169)	1118179	10.2741	10.2741
79 trans-1,3-Dichloropropene	75	10.159	10.157	(1.185)	236606	10.6104	10.6104
80 1,1,2-Trichloroethane	97	10.366	10.364	(1.209)	119416	10.4250	10.4250
81 2-Hexanone	43	10.514	10.512	(0.919)	219737	44.4500	44.4500
82 1,3-Dichloropropane	76	10.553	10.551	(0.922)	211421	9.98896	9.98896
83 Tetrachloroethene	164	10.563	10.561	(0.923)	305410	10.0151	10.0151
84 Dibromochloromethane	129	10.810	10.808	(0.945)	188036	10.0198	10.0198
86 1,2-Dibromoethane	107	10.997	10.985	(0.961)	130318	10.3780	10.3780
87 1-Chlorohexane	91	11.293	11.291	(0.987)	448046	10.1207	10.1207
89 Chlorobenzene	112	11.470	11.468	(1.003)	689021	9.64154	9.64154
90 1,1,1,2-Tetrachloroethane	131	11.520	11.518	(1.007)	234210	9.78214	9.78214
91 Ethylbenzene	106	11.520	11.518	(1.007)	402762	10.2526	10.2526
92 m and p-Xylene	106	11.638	11.636	(1.017)	978683	20.3139	20.3139
93 o-Xylene	106	12.131	12.129	(1.060)	433579	9.97550	9.97550
94 Styrene	104	12.141	12.129	(1.061)	647554	10.2186	10.2186
95 Bromoform	173	12.447	12.445	(1.088)	105172	10.0033	10.0033
96 isopropyl benzene	105	12.516	12.514	(0.891)	1294674	10.3678	10.3678
98 Cyclohexanone	55	12.723	12.721	(1.112)	56880	223.735	223.735
100 1,1,2,2-Tetrachloroethane	83	12.821	12.819	(0.912)	121659	10.6376	10.6376
102 1,2,3-Trichloropropane	110	12.920	12.918	(0.919)	29720	10.2699	10.2699(Q)
103 Bromobenzene	156	12.969	12.967	(0.923)	294060	10.2336	10.2336
104 n-Propylbenzene	120	12.969	12.967	(0.923)	346237	10.1446	10.1446
106 2-Chlorotoluene	126	13.137	13.135	(0.935)	297991	10.0083	10.0083
105 1,3,5-Trimethylbenzene	105	13.117	13.125	(0.933)	1018861	10.2449	10.2449
107 4-Chlorotoluene	126	13.235	13.234	(0.942)	290269	10.2507	10.2506
108 tert-Butylbenzene	119	13.521	13.520	(0.962)	902716	10.2364	10.2364
109 1,2,4-Trimethylbenzene	105	13.561	13.569	(0.965)	968695	9.98288	9.98288
110 sec-Butylbenzene	134	13.768	13.766	(0.980)	278188	10.2296	10.2296
111 4-Isopropyltoluene	119	13.896	13.904	(0.989)	1122955	9.99577	9.99577
112 1,3-Dichlorobenzene	146	13.985	13.983	(0.995)	548995	9.88661	9.88661
114 1,4-dichlorobenzene	146	14.084	14.082	(1.002)	520492	9.58743	9.58743
116 n-Butylbenzene	91	14.399	14.397	(1.025)	1168544	10.0706	10.0706
117 1,2-Dichlorobenzene	146	14.567	14.565	(1.036)	389266	9.15394	9.15394
118 1,2-Dibromo-3-chloropropane	157	15.573	15.571	(1.108)	18715	9.91799	9.91799
120 1,2,4-Trichlorobenzene	180	16.785	16.784	(1.194)	299284	9.78672	9.78672
121 Hexachlorobutadiene	225	16.993	16.981	(1.209)	272212	9.40550	9.40550
122 Naphthalene	128	17.249	17.247	(1.227)	289929	10.2842	10.2842
123 1,2,3-Trichlorobenzene	180	17.653	17.651	(1.256)	224686	9.84689	9.84689

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR6396.D

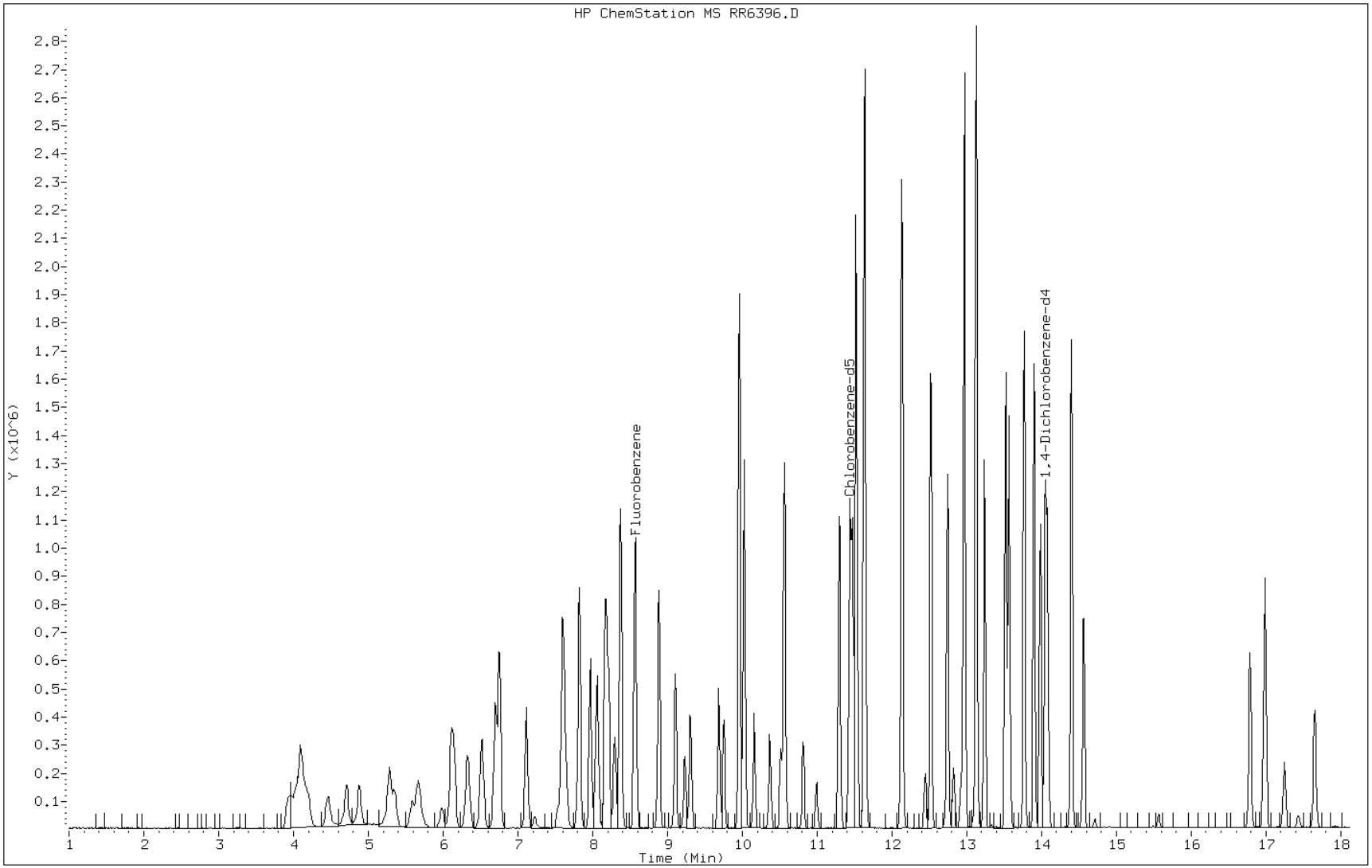
Date: 15-JUN-2012 10:37

Client ID:

Instrument: R2.i

Sample Info: ICV,,MA 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab Sample ID: ICV 280-124226/13 Calibration Date: 06/15/2012 11:22

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6398.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetone	Lin	0.0307	0.0269		44.2	40.0	10.4	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6398.D
Lab Smp Id: ICV
Inj Date : 15-JUN-2012 11:22
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,MAcetone 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvmAcetone.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 62 Fluorobenzene	96	8.559	8.559	(1.000)	1038187	12.5000		
* 88 Chlorobenzene-d5	119	11.439	11.439	(1.000)	220666	12.5000		
* 113 1,4-Dichlorobenzene-d4	152	14.052	14.052	(1.000)	311462	12.5000		(Q)
24 Acetone	43	6.084	6.084	(0.711)	89396	44.1516	44.1516	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR6398.D

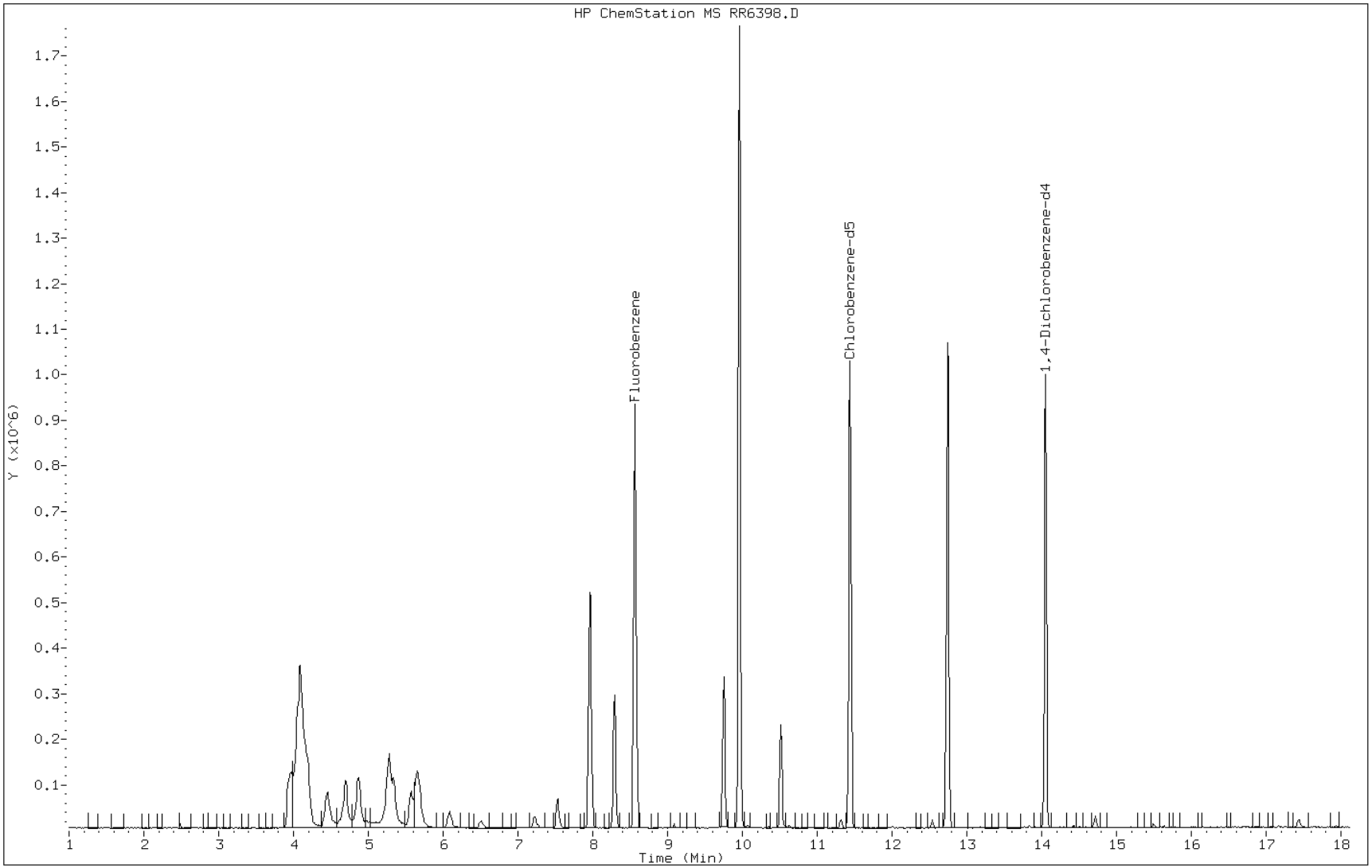
Date: 15-JUN-2012 11:22

Client ID:

Instrument: R2.i

Sample Info: ICV,,MAcetone 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab Sample ID: CCV 280-126338/2 Calibration Date: 07/02/2012 06:43

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6857.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3471	0.3407		19.6	20.0	-1.8	20.0
Xylenes, Total	Ave	2.361	2.364		30.0	30.0	0.1	35.0
Ethanol	Ave	0.0008	0.0008		542	500	8.4	50.0
1,1-Dichloroethene	Ave	0.3354	0.3304		9.85	10.0	-1.5	20.0
Iodomethane	Ave	0.6862	0.6627		9.66	10.0	-3.4	35.0
Acetonitrile	Ave	0.0088	0.0088		99.9	100	-0.0	50.0
2-Methyl-2-propanol	Ave	0.0060	0.0056		186	200	-7.0	50.0
Methylene Chloride	Lin	0.2999	0.2797		10.3	10.0	2.7	20.0
Acrylonitrile	Ave	0.0268	0.0276		103	100	3.0	50.0
trans-1,2-Dichloroethene	Ave	0.3616	0.3540		9.79	10.0	-2.1	20.0
Isopropyl ether	Ave	0.1627	0.1597		49.0	50.0	-1.9	35.0
1,1-Dichloroethane	Ave	0.5988	0.5755	0.1000	9.61	10.0	-3.9	20.0
2-Chloro-1,3-butadiene	Ave	0.5727	0.4527		7.91	10.0	-20.9	35.0
cis-1,2-Dichloroethene	Ave	0.3325	0.3274		9.85	10.0	-1.5	20.0
Propionitrile	Ave	0.0095	0.0098		104	100	3.6	50.0
2,2-Dichloropropane	Ave	0.4819	0.4627		9.60	10.0	-4.0	20.0
Methacrylonitrile	Ave	0.0514	0.0509		99.0	100	-1.0	50.0
Chlorobromomethane	Ave	0.1256	0.1216		9.68	10.0	-3.2	20.0
Chloroform	Ave	0.5936	0.5341		9.00	10.0	-10.0	20.0
Isobutyl alcohol	Ave	0.0021	0.0021		197	200	-1.3	50.0
1,1,1-Trichloroethane	Ave	0.5463	0.5034		9.21	10.0	-7.9	20.0
1,1-Dichloropropene	Ave	0.4935	0.4770		9.67	10.0	-3.3	20.0
Carbon tetrachloride	Ave	0.5147	0.4755		9.24	10.0	-7.6	20.0
1,2-Dichloroethane	Ave	0.2424	0.2331		9.61	10.0	-3.9	20.0
Benzene	Ave	1.163	1.093		9.40	10.0	-6.0	20.0
Trichloroethene	Ave	0.3511	0.3240		9.23	10.0	-7.7	20.0
1,2-Dichloropropane	Ave	0.2498	0.2450		9.81	10.0	-1.9	20.0
1,4-Dioxane	Ave	0.0007	0.0007		506	500	1.1	50.0
Dibromomethane	Ave	0.1189	0.1175		9.87	10.0	-1.3	20.0
Dichlorobromomethane	Ave	0.3320	0.3021		9.10	10.0	-9.0	20.0
cis-1,3-Dichloropropene	Ave	0.3343	0.3261		9.76	10.0	-2.4	20.0
Toluene	Ave	1.161	1.151		9.92	10.0	-0.8	20.0
trans-1,3-Dichloropropene	Ave	0.2378	0.2372		9.97	10.0	-0.3	20.0
1,1,2-Trichloroethane	Ave	0.1222	0.1229		10.1	10.0	0.6	20.0
1,3-Dichloropropane	Ave	1.072	1.055		9.84	10.0	-1.6	20.0
Tetrachloroethene	Ave	1.545	1.578		10.2	10.0	2.1	20.0
Chlorodibromomethane	Ave	0.9507	0.9125		9.60	10.0	-4.0	20.0
Ethylene Dibromide	Ave	0.6361	0.6341		9.97	10.0	-0.3	20.0
1-Chlorohexane	Ave	2.243	2.357		10.8	10.2	5.1	35.0
Chlorobenzene	Ave	3.620	3.477	0.3000	9.60	10.0	-4.0	20.0
Ethylbenzene	Ave	1.990	1.990		10.0	10.0	-0.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab Sample ID: CCV 280-126338/2 Calibration Date: 07/02/2012 06:43

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6857.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,1,2-Tetrachloroethane	Ave	1.213	1.125		9.28	10.0	-7.2	20.0
m-Xylene & p-Xylene	Ave	2.441	2.449		20.1	20.0	0.3	20.0
o-Xylene	Ave	2.202	2.195		9.97	10.0	-0.3	20.0
Styrene	Ave	3.210	2.984		9.30	10.0	-7.0	20.0
Bromoform	Ave	0.5326	0.4976	0.1000	9.34	10.0	-6.6	20.0
Isopropylbenzene	Ave	4.198	4.217		10.0	10.0	0.5	20.0
1,1,2,2-Tetrachloroethane	Lin1	0.4145	0.3907	0.3000	9.43	10.0	-5.7	20.0
1,2,3-Trichloropropane	Ave	0.0973	0.0984		10.1	10.0	1.1	20.0
Bromobenzene	Ave	0.9659	0.9778		10.1	10.0	1.2	20.0
N-Propylbenzene	Ave	1.147	1.188		10.4	10.0	3.5	20.0
1,3,5-Trimethylbenzene	Ave	3.343	3.259		9.75	10.0	-2.5	20.0
2-Chlorotoluene	Ave	1.001	1.009		10.1	10.0	0.8	20.0
4-Chlorotoluene	Ave	0.9519	0.9939		10.4	10.0	4.4	20.0
tert-Butylbenzene	Ave	2.964	3.037		10.2	10.0	2.4	20.0
1,2,4-Trimethylbenzene	Ave	3.262	3.278		10.1	10.0	0.5	20.0
sec-Butylbenzene	Ave	0.9141	0.9697		10.6	10.0	6.1	20.0
4-Isopropyltoluene	Ave	3.776	3.872		10.3	10.0	2.5	20.0
1,3-Dichlorobenzene	Ave	1.867	1.920		10.3	10.0	2.9	20.0
1,4-Dichlorobenzene	Ave	1.825	1.827		10.0	10.0	0.1	20.0
n-Butylbenzene	Ave	3.900	3.941		10.1	10.0	1.0	20.0
1,2-Dichlorobenzene	Ave	1.429	1.484		10.4	10.0	3.8	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0634	0.0631		9.94	10.0	-0.6	20.0
1,2,4-Trichlorobenzene	Ave	1.028	1.055		10.3	10.0	2.6	20.0
Hexachlorobutadiene	Ave	0.9728	0.9440		9.70	10.0	-3.0	20.0
Naphthalene	Ave	0.9476	0.9731		10.3	10.0	2.7	20.0
1,2,3-Trichlorobenzene	Ave	0.7670	0.7894		10.3	10.0	2.9	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6857.D
Lab Smp Id: CCV
Inj Date : 02-JUL-2012 06:43
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,M 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main-Chlometh.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.564	8.564	(1.000)	1468900	12.5000	
* 88 Chlorobenzene-d5	119	11.434	11.434	(1.000)	311657	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.047	14.047	(1.000)	472261	12.5000	
M 2 1,2-Dichloroethene (total)	96				800770	20.0000	19.6358
M 1 Trihalomethanes (total)	100				1334223	40.0000	37.0381
M 4 1,3-Dichloropropene (total)	100				661991	20.0000	19.7302
M 3 Xylene (total)	106				1768325	30.0000	30.0344
7 dichlorodifluoromethane	85	4.462	4.462	(0.521)	403662	10.0000	9.96133
10 Vinyl Chloride	62	4.876	4.876	(0.569)	341944	10.0000	9.11717
12 Bromomethane	94	5.291	5.291	(0.618)	299960	10.0000	8.54829
13 Chloroethane	64	5.350	5.350	(0.625)	199395	10.0000	8.22516
15 Trichlorofluoromethane	101	5.665	5.665	(0.661)	629931	10.0000	9.92981
16 Ethanol	45	5.655	5.655	(0.660)	49642	500.000	542.083
22 Acrolein	56	5.971	5.971	(0.697)	142498	100.000	95.4705
24 Acetone	43	6.089	6.089	(0.711)	107390	40.0000	36.4170
25 1,1-Dichloroethene	96	6.109	6.109	(0.713)	388242	10.0000	9.85172
26 Iodomethane	142	6.316	6.316	(0.737)	778743	10.0000	9.65687
28 Acetonitrile	41	6.365	6.365	(0.743)	103368	100.000	99.9478
31 tert-Butyl alcohol	59	6.474	6.474	(0.756)	131907	200.000	185.912
32 Methylene Chloride	84	6.513	6.513	(0.761)	328657	10.0000	10.2651
33 Acrylonitrile	53	6.691	6.691	(0.781)	324265	100.000	102.966
35 trans-1,2-Dichloroethene	96	6.750	6.750	(0.788)	415999	10.0000	9.78885

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
38 Isopropyl ether	87	7.036	7.036	(0.822)	938028	50.0000	49.0491
39 1,1-Dichloroethane	63	7.105	7.105	(0.830)	676222	10.0000	9.61028
40 Chloroprene	53	7.174	7.174	(0.838)	532015	10.0000	7.90512
43 2-Butanone	43	7.529	7.529	(0.879)	162677	40.0000	39.5704
45 cis-1,2-Dichloroethene	96	7.588	7.588	(0.886)	384771	10.0000	9.84699
46 Propionitrile	54	7.608	7.608	(0.888)	115332	100.000	103.554
47 2,2-Dichloropropane	77	7.618	7.618	(0.889)	543687	10.0000	9.60069
48 Methacrylonitrile	41	7.736	7.736	(0.903)	598009	100.000	98.9538
49 Bromochloromethane	128	7.815	7.815	(0.912)	142914	10.0000	9.68494
50 Chloroform	83	7.815	7.815	(0.912)	627672	10.0000	8.99891
54 1,1,1-Trichloroethane	97	8.052	8.052	(0.940)	591523	10.0000	9.21443
53 Isobutanol	41	8.032	8.032	(0.938)	48195	200.000	197.411
56 1,1-Dichloropropene	75	8.160	8.160	(0.953)	560500	10.0000	9.66515
57 Carbon Tetrachloride	117	8.209	8.209	(0.959)	558743	10.0000	9.23843
60 1,2-Dichloroethane	62	8.357	8.357	(0.976)	273886	10.0000	9.61428
61 Benzene	78	8.367	8.367	(0.977)	1284434	10.0000	9.39839
63 n-Butanol	56	8.594	8.594	(1.003)	66646	300.000	277.301
64 Trichloroethene	95	8.880	8.880	(1.037)	380713	10.0000	9.22795
68 1,2-Dichloropropane	63	9.097	9.097	(1.062)	287933	10.0000	9.80997
69 1,4-Dioxane	88	9.156	9.156	(1.069)	40713	500.000	505.544
70 Dibromomethane	93	9.225	9.225	(1.077)	138016	10.0000	9.87435
71 Bromodichloromethane	83	9.304	9.304	(1.086)	354993	10.0000	9.09971
74 cis-1,3-Dichloropropene	75	9.679	9.679	(1.130)	383228	10.0000	9.75527
75 4-Methyl-2-pentanone	43	9.748	9.748	(1.138)	354095	40.0000	38.8241
77 Toluene	91	10.024	10.024	(1.170)	1352390	10.0000	9.91524
79 trans-1,3-Dichloropropene	75	10.152	10.152	(1.185)	278763	10.0000	9.97498
80 1,1,2-Trichloroethane	97	10.369	10.369	(1.211)	144430	10.0000	10.0610
81 2-Hexanone	43	10.507	10.507	(0.919)	235291	40.0000	37.6826
82 1,3-Dichloropropane	76	10.547	10.547	(0.922)	262994	10.0000	9.83749
83 Tetrachloroethene	164	10.566	10.566	(0.924)	393427	10.0000	10.2142
84 Dibromochloromethane	129	10.813	10.813	(0.946)	227499	10.0000	9.59758
86 1,2-Dibromoethane	107	10.990	10.990	(0.961)	158098	10.0000	9.96783
87 1-Chlorohexane	91	11.296	11.296	(0.988)	602451	10.0000	10.7740
89 Chlorobenzene	112	11.474	11.474	(1.003)	866946	10.0000	9.60444
90 1,1,1,2-Tetrachloroethane	131	11.523	11.523	(1.008)	280577	10.0000	9.27783
91 Ethylbenzene	106	11.513	11.513	(1.007)	496169	10.0000	9.99955
92 m and p-Xylene	106	11.631	11.631	(1.017)	1220965	20.0000	20.0641
93 o-Xylene	106	12.124	12.124	(1.060)	547360	10.0000	9.97024
94 Styrene	104	12.134	12.134	(1.061)	744043	10.0000	9.29562
95 Bromoform	173	12.440	12.440	(1.088)	124059	10.0000	9.34194
96 isopropyl benzene	105	12.519	12.519	(0.891)	1593296	10.0000	10.0469
98 Cyclohexanone	55	12.716	12.716	(1.112)	118276	400.000	368.330
100 1,1,2,2-Tetrachloroethane	83	12.825	12.825	(0.913)	147598	10.0000	9.42586
102 1,2,3-Trichloropropane	110	12.923	12.923	(0.920)	37174	10.0000	10.1150(Q)
103 Bromobenzene	156	12.963	12.963	(0.923)	369427	10.0000	10.1235
104 n-Propylbenzene	120	12.963	12.963	(0.923)	448750	10.0000	10.3532
106 2-Chlorotoluene	126	13.130	13.130	(0.935)	381329	10.0000	10.0847
105 1,3,5-Trimethylbenzene	105	13.120	13.120	(0.934)	1231246	10.0000	9.74867
107 4-Chlorotoluene	126	13.239	13.239	(0.942)	375485	10.0000	10.4412
108 tert-Butylbenzene	119	13.515	13.515	(0.962)	1147291	10.0000	10.2442
109 1,2,4-Trimethylbenzene	105	13.564	13.564	(0.966)	1238590	10.0000	10.0509
110 sec-Butylbenzene	134	13.761	13.761	(0.980)	366353	10.0000	10.6079
111 4-Isopropyltoluene	119	13.899	13.899	(0.989)	1462873	10.0000	10.2534
112 1,3-Dichlorobenzene	146	13.978	13.978	(0.995)	725490	10.0000	10.2877

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
114 1,4-dichlorobenzene	146	14.077	14.077	(1.002)	690418	10.0000	10.0140
116 n-Butylbenzene	91	14.402	14.402	(1.025)	1488943	10.0000	10.1041
117 1,2-Dichlorobenzene	146	14.560	14.560	(1.037)	560589	10.0000	10.3804
118 1,2-Dibromo-3-chloropropane	157	15.566	15.566	(1.108)	23822	10.0000	9.94077
120 1,2,4-Trichlorobenzene	180	16.789	16.789	(1.195)	398543	10.0000	10.2621
121 Hexachlorobutadiene	225	16.986	16.986	(1.209)	356665	10.0000	9.70383
122 Naphthalene	128	17.252	17.252	(1.228)	367658	10.0000	10.2691
123 1,2,3-Trichlorobenzene	180	17.657	17.657	(1.257)	298253	10.0000	10.2924

QC Flag Legend

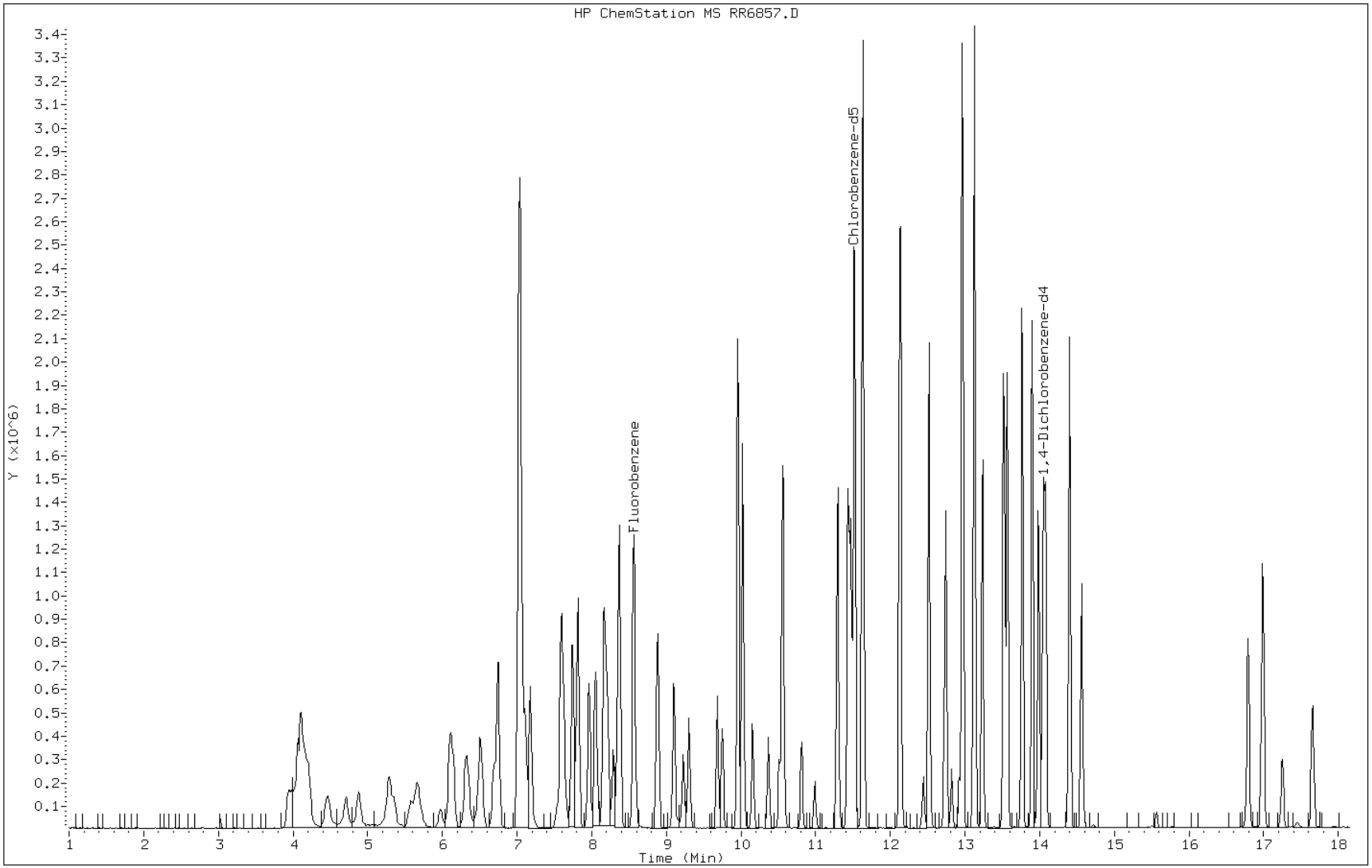
Q - Qualifier signal failed the ratio test.

Data File: RR6857.D

Date: 02-JUL-2012 06:43

Client ID: Instrument: R2.i

Sample Info: CCV,,M 5uL Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab Sample ID: CCV 280-126338/3 Calibration Date: 07/02/2012 07:27

Instrument ID: MSV_R2 Calib Start Date: 06/14/2012 07:32

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/14/2012 09:23

Lab File ID: RR6859.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.7189	0.6099		8.48	10.0	-15.2	50.0
Ethyl ether	Ave	0.1209	0.1094		9.05	10.0	-9.5	35.0
Isopropyl alcohol	Ave	0.0047	0.0044		186	200	-7.1	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.5501	0.4946		8.99	10.0	-10.1	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2920	0.2613		8.95	10.0	-10.5	50.0
Methyl acetate	Ave	0.0607	0.0644		53.0	50.0	6.0	50.0
Allyl chloride	Ave	0.4807	0.4320		8.99	10.0	-10.1	35.0
Carbon disulfide	Ave	1.356	1.198		8.83	10.0	-11.7	20.0
Methyl tert-butyl ether	Ave	0.3366	0.3046		9.05	10.0	-9.5	20.0
Hexane	Ave	2.336	2.351		10.1	10.0	0.6	20.0
Vinyl acetate	Ave	0.2479	0.1825		14.7	20.0	-26.4	50.0
Tert-butyl ethyl ether	Ave	0.5682	0.5038		44.3	50.0	-11.3	35.0
Ethyl acetate	Ave	0.0944	0.0816		17.3	20.0	-13.6	50.0
2-Butanol	Ave	0.0052	0.0049		278	300	-7.2	50.0
Tetrahydrofuran	Ave	0.0208	0.0181		17.4	20.0	-13.2	50.0
Cyclohexane	Ave	0.5574	0.5378		9.65	10.0	-3.5	35.0
Tert-amyl methyl ether	Ave	0.4054	0.3607		44.5	50.0	-11.0	35.0
2-Pentanone	Ave	0.0635	0.0543		34.2	40.0	-14.6	50.0
Methyl methacrylate	Ave	0.0214	0.0200		18.7	20.0	-6.5	35.0
Methylcyclohexane	Ave	0.4888	0.4609		9.43	10.0	-5.7	35.0
2-Chloroethyl vinyl ether	Ave	0.0583	0.0523		8.97	10.0	-10.3	50.0
2-Nitropropane	Ave	0.0220	0.0180		8.20	10.0	-18.0	50.0
Ethyl methacrylate	Ave	0.6161	0.5379		17.5	20.0	-12.7	35.0
cis-1,4-Dichloro-2-butene	Ave	0.1110	0.0543		4.89	10.0	-51.1*	50.0
trans-1,4-Dichloro-2-butene	Lin1	0.0907	0.0720		7.33	10.0	-26.7	50.0
Dibromofluoromethane (Surr)	Lin2	0.4864	0.3781		9.76	11.3	-13.3	20.0
1,2-Dichloroethane-d4 (Surr)	Lin	0.3193	0.2360		9.20	11.3	-18.2	20.0
Toluene-d8 (Surr)	Lin1	7.226	6.164		11.3	11.3	0.7	20.0
4-Bromofluorobenzene (Surr)	Lin2	1.493	1.201		10.3	11.3	-8.0	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6859.D
Lab Smp Id: CCV
Inj Date : 02-JUL-2012 07:27
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,S 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.566	8.566	(1.000)	1517888	12.5000	
* 88 Chlorobenzene-d5	119	11.435	11.435	(1.000)	302470	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.049	14.049	(1.000)	421263	12.5000	
$ 52 Dibromofluoromethane (Surr)	111	7.964	7.964	(0.930)	516571	10.0000	9.75892
$ 58 1,2-Dichloroethane-d4	65	8.290	8.290	(0.968)	322411	10.0000	9.20026
$ 76 Toluene-d8	98	9.956	9.956	(0.871)	1677853	10.0000	11.3238
$ 99 4-Bromofluorobenzene (Surr)	95	12.737	12.737	(0.907)	455214	10.0000	10.3480
11 Ethylene Oxide	43	5.203	5.203	(0.607)	518214	1250.00	871.842
14 Dichlorofluoromethane	67	5.538	5.538	(0.647)	740602	10.0000	8.48380
17 1,2-dichloro-1,1,2-trifluoroe	117	5.805	5.805	(0.678)	395746	10.0000	9.39260
21 Propylene Oxide	58	5.923	5.923	(0.691)	964089	500.000	439.277
19 Ethyl Ether	59	5.805	5.805	(0.678)	132796	10.0000	9.04568
20 2,2-dichloro-1,1,1-trifluoroe	83	5.844	5.844	(0.682)	600593	10.0000	8.99136
23 Trichlorotrifluoroethane	151	6.090	6.090	(0.711)	317278	10.0000	8.94860
18 2-propanol	45	5.805	5.805	(0.678)	107088	200.000	185.891
27 Methyl Acetate	43	6.347	6.347	(0.741)	390844	50.0000	53.0234
29 Allyl Chloride	41	6.406	6.406	(0.748)	524523	10.0000	8.98530
30 Carbon Disulfide	76	6.416	6.416	(0.749)	1454584	10.0000	8.83428
34 Methyl t-butyl ether	73	6.702	6.702	(0.782)	369865	10.0000	9.04824
36 Hexane	57	6.919	6.919	(0.605)	568892	10.0000	10.0642
37 Vinyl acetate	43	7.037	7.037	(0.822)	443142	20.0000	14.7229
41 ETBE	59	7.353	7.353	(0.858)	3058908	50.0000	44.3310

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
42 Ethyl Acetate	43	7.511	7.511	(0.877)	198180	20.0000	17.2850
44 2-Butanol	45	7.580	7.580	(0.885)	176840	300.000	278.438
51 Tetrahydrofuran	42	7.846	7.846	(0.916)	43858	20.0000	17.3540
55 Cyclohexane	56	8.122	8.122	(0.948)	653049	10.0000	9.64788
59 TAME	73	8.349	8.349	(0.975)	2190244	50.0000	44.4960
65 2-Pentanone	43	8.931	8.931	(1.043)	263518	40.0000	34.1714
67 Methyl Cyclohexane	55	9.088	9.088	(1.061)	559621	10.0000	9.42742
66 Methyl Methacrylate	100	9.029	9.029	(1.054)	48594	20.0000	18.6980
73 2-nitropropane	41	9.483	9.483	(1.107)	21872	10.0000	8.19798
72 2-Chloroethyl vinyl ether	63	9.463	9.463	(1.105)	63461	10.0000	8.96772
78 Ethyl methacrylate	69	10.124	10.124	(0.885)	260299	20.0000	17.4608
85 Tetrahydrothiophene	60	10.863	10.863	(0.950)	39762	10.0000	5.98270
97 cis-1,4-dichloro-2-butene	53	12.569	12.569	(0.895)	18293	10.0000	4.89220
101 t-1,4-Dichloro-2-butene	53	12.875	12.875	(0.916)	24270	10.0000	7.33455
115 1,2,3-Trimethylbenzene	105	14.078	14.078	(1.002)	885302	10.0000	8.42690
119 Tetralin	104	Compound Not Detected.					

Data File: RR6859.D

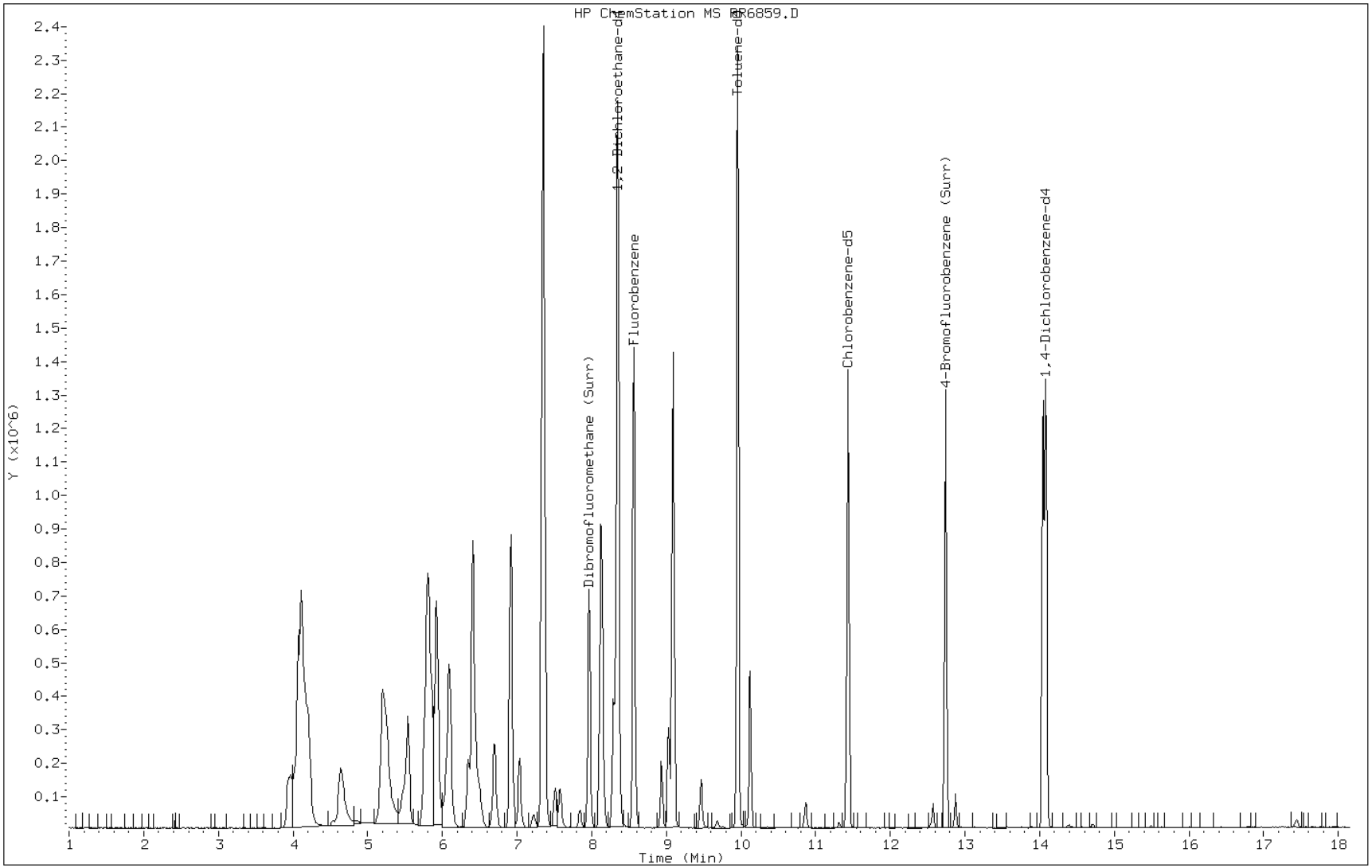
Date: 02-JUL-2012 07:27

Client ID:

Instrument: R2.i

Sample Info: CCV,,S 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab Sample ID: CCV 280-126338/4 Calibration Date: 07/02/2012 07:49

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6860.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chloromethane	Ave	0.2969	0.3009	0.1000	10.1	10.0	1.4	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6860.D
Lab Smp Id: CCV
Inj Date : 02-JUL-2012 07:49
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,G 5uL Q4 v11->v12
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-Chlorometh.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

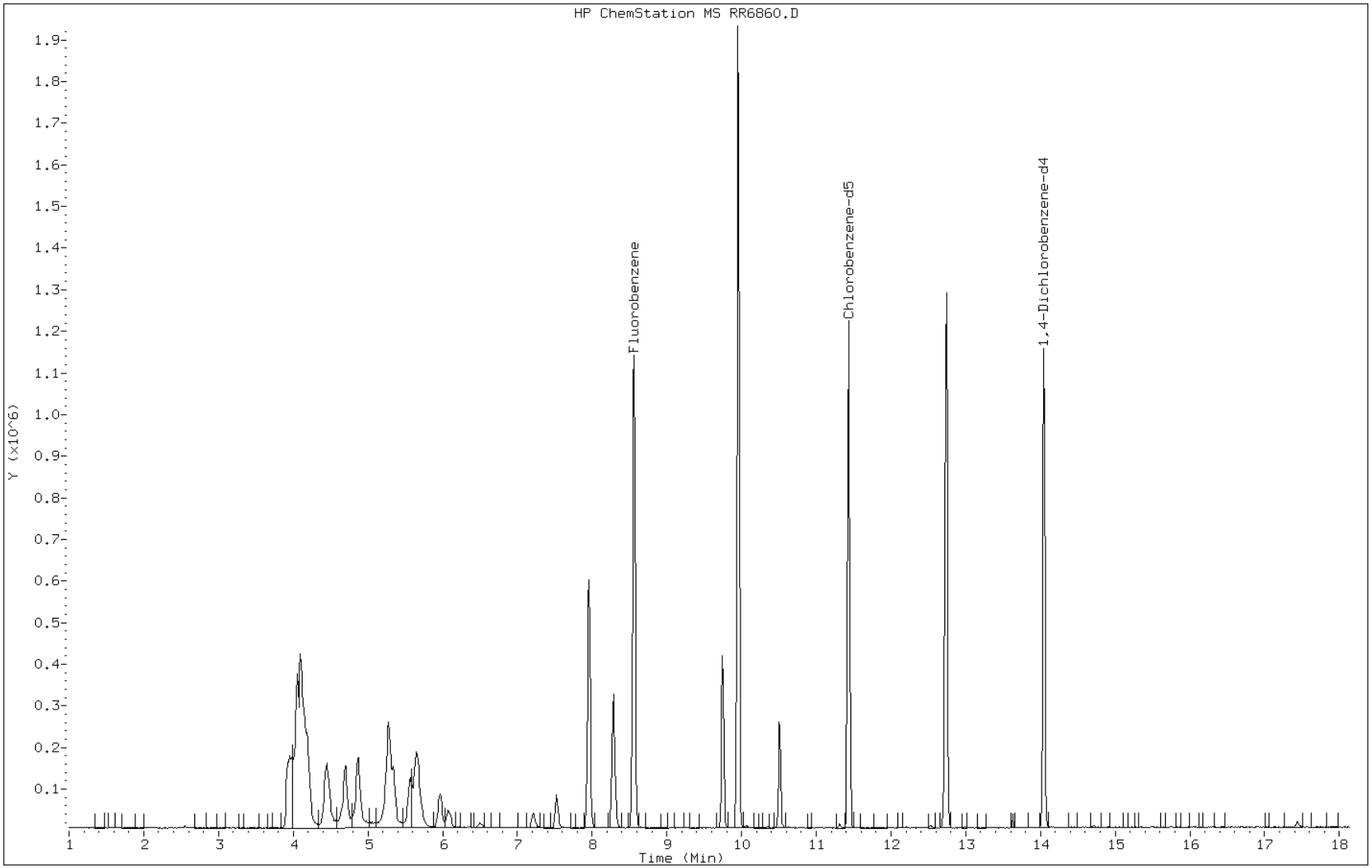
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.561	8.561	(1.000)	1306497	12.5000	
* 88 Chlorobenzene-d5	119	11.430	11.430	(1.000)	262206	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.044	14.044	(1.000)	368815	12.5000	
9 Chloromethane	50	4.705	4.705	(0.550)	314515	10.0000	10.1351

Data File: RR6860.D

Date: 02-JUL-2012 07:49

Client ID: Instrument: R2.i

Sample Info: CCV,,G 5uL Q4 v11->v12 Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab Sample ID: CCV 280-126520/2 Calibration Date: 07/03/2012 06:13

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6920.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3471	0.3179		18.3	20.0	-8.4	20.0
Xylenes, Total	Ave	2.361	2.226		28.3	30.0	-5.7	35.0
Dichlorodifluoromethane	Ave	0.3448	0.3296		9.56	10.0	-4.4	20.0
Vinyl chloride	Ave	0.3192	0.2634		8.25	10.0	-17.5	20.0
Bromomethane	Ave	0.2986	0.2640		8.84	10.0	-11.6	20.0
Ethanol	Ave	0.0008	0.0008		512	500	2.5	50.0
Trichlorofluoromethane	Ave	0.5398	0.5282		9.78	10.0	-2.2	20.0
Acrolein	Ave	0.0127	0.0116		91.1	99.5	-8.4	50.0
Acetone	Lin	0.0307	0.0223		35.3	40.0	-11.8	20.0
1,1-Dichloroethene	Ave	0.3354	0.3021		9.01	10.0	-9.9	20.0
Iodomethane	Ave	0.6862	0.5974		8.71	10.0	-12.9	35.0
Acetonitrile	Ave	0.0088	0.0088		100	100	0.4	50.0
2-Methyl-2-propanol	Ave	0.0060	0.0048		160	200	-19.8	50.0
Methylene Chloride	Lin	0.2999	0.2724		9.98	10.0	-0.2	20.0
Acrylonitrile	Ave	0.0268	0.0260		96.9	100	-3.1	50.0
trans-1,2-Dichloroethene	Ave	0.3616	0.3338		9.23	10.0	-7.7	20.0
Isopropyl ether	Ave	0.1627	0.1471		45.2	50.0	-9.6	35.0
1,1-Dichloroethane	Ave	0.5988	0.5454	0.1000	9.11	10.0	-8.9	20.0
2-Chloro-1,3-butadiene	Ave	0.5727	0.4141		7.23	10.0	-27.7	35.0
2-Butanone (MEK)	Ave	0.0350	0.0308		35.2	40.0	-12.1	20.0
cis-1,2-Dichloroethene	Ave	0.3325	0.3020		9.08	10.0	-9.2	20.0
2,2-Dichloropropane	Ave	0.4819	0.4245		8.81	10.0	-11.9	20.0
Propionitrile	Ave	0.0095	0.0089		94.0	100	-6.0	50.0
Methacrylonitrile	Ave	0.0514	0.0469		91.3	100	-8.7	50.0
Chlorobromomethane	Ave	0.1256	0.1173		9.34	10.0	-6.6	20.0
Chloroform	Ave	0.5936	0.5127		8.64	10.0	-13.6	20.0
Isobutyl alcohol	Ave	0.0021	0.0020		189	200	-5.4	50.0
1,1,1-Trichloroethane	Ave	0.5463	0.4771		8.73	10.0	-12.7	20.0
1,1-Dichloropropene	Ave	0.4935	0.4413		8.94	10.0	-10.6	20.0
Carbon tetrachloride	Ave	0.5147	0.4531		8.80	10.0	-12.0	20.0
1,2-Dichloroethane	Ave	0.2424	0.2256		9.31	10.0	-6.9	20.0
Benzene	Ave	1.163	1.034		8.89	10.0	-11.1	20.0
Trichloroethene	Ave	0.3511	0.3232		9.20	10.0	-8.0	20.0
1,2-Dichloropropane	Ave	0.2498	0.2413		9.66	10.0	-3.4	20.0
1,4-Dioxane	Ave	0.0007	0.0006		422	500	-15.7	50.0
Dibromomethane	Ave	0.1189	0.1113		9.35	10.0	-6.5	20.0
Dichlorobromomethane	Ave	0.3320	0.2919		8.79	10.0	-12.1	20.0
cis-1,3-Dichloropropene	Ave	0.3343	0.2916		8.72	10.0	-12.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0776	0.0702		36.2	40.0	-9.6	20.0
Toluene	Ave	1.161	1.082		9.32	10.0	-6.8	20.0
trans-1,3-Dichloropropene	Ave	0.2378	0.2163		9.10	10.0	-9.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab Sample ID: CCV 280-126520/2 Calibration Date: 07/03/2012 06:13

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6920.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,2-Trichloroethane	Ave	0.1222	0.1190		9.74	10.0	-2.6	20.0
2-Hexanone	Ave	0.2504	0.2191		35.0	40.0	-12.5	20.0
1,3-Dichloropropane	Ave	1.072	1.031		9.62	10.0	-3.8	20.0
Tetrachloroethene	Ave	1.545	1.511		9.78	10.0	-2.2	20.0
Chlorodibromomethane	Ave	0.9507	0.8714		9.17	10.0	-8.3	20.0
Ethylene Dibromide	Ave	0.6361	0.6112		9.61	10.0	-3.9	20.0
1-Chlorohexane	Ave	2.243	2.172		9.92	10.2	-3.2	35.0
Chlorobenzene	Ave	3.620	3.365	0.3000	9.29	10.0	-7.1	20.0
1,1,1,2-Tetrachloroethane	Ave	1.213	1.099		9.06	10.0	-9.4	20.0
Ethylbenzene	Ave	1.990	1.920		9.65	10.0	-3.5	20.0
m-Xylene & p-Xylene	Ave	2.441	2.295		18.8	20.0	-6.0	20.0
o-Xylene	Ave	2.202	2.088		9.48	10.0	-5.2	20.0
Styrene	Ave	3.210	3.015		9.39	10.0	-6.1	20.0
Bromoform	Ave	0.5326	0.4685	0.1000	8.80	10.0	-12.0	20.0
Isopropylbenzene	Ave	4.198	3.888		9.26	10.0	-7.4	20.0
Cyclohexanone	Ave	0.0129	0.0099		307	400	-23.2	50.0
1,1,2,2-Tetrachloroethane	Lin1	0.4145	0.3652	0.3000	8.81	10.0	-11.9	20.0
1,2,3-Trichloropropane	Ave	0.0973	0.0955		9.81	10.0	-1.9	20.0
N-Propylbenzene	Ave	1.147	1.092		9.52	10.0	-4.8	20.0
Bromobenzene	Ave	0.9659	0.9152		9.48	10.0	-5.2	20.0
1,3,5-Trimethylbenzene	Ave	3.343	3.046		9.11	10.0	-8.9	20.0
2-Chlorotoluene	Ave	1.001	0.9295		9.29	10.0	-7.1	20.0
4-Chlorotoluene	Ave	0.9519	0.9117		9.58	10.0	-4.2	20.0
tert-Butylbenzene	Ave	2.964	2.814		9.49	10.0	-5.1	20.0
1,2,4-Trimethylbenzene	Ave	3.262	2.992		9.17	10.0	-8.3	20.0
sec-Butylbenzene	Ave	0.9141	0.8794		9.62	10.0	-3.8	20.0
4-Isopropyltoluene	Ave	3.776	3.520		9.32	10.0	-6.8	20.0
1,3-Dichlorobenzene	Ave	1.867	1.777		9.52	10.0	-4.8	20.0
1,4-Dichlorobenzene	Ave	1.825	1.667		9.14	10.0	-8.6	20.0
n-Butylbenzene	Ave	3.900	3.588		9.20	10.0	-8.0	20.0
1,2-Dichlorobenzene	Ave	1.429	1.384		9.68	10.0	-3.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0634	0.0568		8.95	10.0	-10.5	20.0
1,2,4-Trichlorobenzene	Ave	1.028	0.9177		8.93	10.0	-10.7	20.0
Hexachlorobutadiene	Ave	0.9728	0.8649		8.89	10.0	-11.1	20.0
Naphthalene	Ave	0.9476	0.8185		8.64	10.0	-13.6	20.0
1,2,3-Trichlorobenzene	Ave	0.7670	0.6859		8.94	10.0	-10.6	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6920.D
Lab Smp Id: CCV
Inj Date : 03-JUL-2012 06:13
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,M 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 08:09 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main-chlor.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
*	62 Fluorobenzene	96	8.561	8.562	(1.000)	1330236	12.5000		
*	88 Chlorobenzene-d5	119	11.431	11.431	(1.000)	272553	12.5000		
*	113 1,4-Dichlorobenzene-d4	152	14.044	14.044	(1.000)	430541	12.5000		(Q)
M	2 1,2-Dichloroethene (total)	96				676572	20.0000	18.3113	
M	1 Trihalomethanes (total)	100				1148409	40.0000	35.3927	
M	4 1,3-Dichloropropene (total)	100				540490	20.0000	17.8180	
M	3 Xylene (total)	106				1456155	30.0000	28.2899	
	7 dichlorodifluoromethane	85	4.449	4.449	(0.520)	350771	10.0000	9.55843	
	10 Vinyl Chloride	62	4.873	4.873	(0.569)	280352	10.0000	8.25414	
	12 Bromomethane	94	5.278	5.278	(0.616)	280946	10.0000	8.84102	
	15 Trichlorofluoromethane	101	5.662	5.662	(0.661)	562094	10.0000	9.78409	
	16 Ethanol	45	5.652	5.652	(0.660)	42498	500.000	512.446	
	22 Acrolein	56	5.978	5.978	(0.698)	123106	100.000	91.0759	
	24 Acetone	43	6.096	6.096	(0.712)	94749	40.0000	35.2972	
	25 1,1-Dichloroethene	96	6.106	6.106	(0.713)	321515	10.0000	9.00896	
	26 Iodomethane	142	6.313	6.313	(0.737)	635738	10.0000	8.70531	
	28 Acetonitrile	41	6.372	6.372	(0.744)	94037	100.000	100.404	
	31 tert-Butyl alcohol	59	6.461	6.461	(0.755)	103108	200.000	160.471	
	32 Methylene Chloride	84	6.510	6.510	(0.760)	289857	10.0000	9.97550	
	33 Acrylonitrile	53	6.688	6.688	(0.781)	276469	100.000	96.9397	
	35 trans-1,2-Dichloroethene	96	6.747	6.747	(0.788)	355188	10.0000	9.22914	
	38 Isopropyl ether	87	7.033	7.033	(0.821)	782695	50.0000	45.1930	
	39 1,1-Dichloroethane	63	7.112	7.112	(0.831)	580405	10.0000	9.10838	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
40 Chloroprene	53	7.181	7.181	(0.839)	440711	10.0000	7.23106
43 2-Butanone	43	7.526	7.526	(0.879)	130937	40.0000	35.1698
45 cis-1,2-Dichloroethene	96	7.585	7.585	(0.886)	321384	10.0000	9.08216
46 Propionitrile	54	7.615	7.615	(0.889)	94854	100.000	94.0451
47 2,2-Dichloropropane	77	7.615	7.615	(0.889)	451728	10.0000	8.80834
48 Methacrylonitrile	41	7.743	7.743	(0.904)	499553	100.000	91.2787
49 Bromochloromethane	128	7.812	7.812	(0.912)	124804	10.0000	9.33930
50 Chloroform	83	7.822	7.822	(0.914)	545624	10.0000	8.63802
54 1,1,1-Trichloroethane	97	8.049	8.049	(0.940)	507741	10.0000	8.73378
53 Isobutanol	41	8.039	8.039	(0.939)	41819	200.000	189.150
56 1,1-Dichloropropene	75	8.167	8.167	(0.954)	469651	10.0000	8.94276
57 Carbon Tetrachloride	117	8.206	8.206	(0.959)	482210	10.0000	8.80412
60 1,2-Dichloroethane	62	8.354	8.354	(0.976)	240059	10.0000	9.30526
61 Benzene	78	8.364	8.364	(0.977)	1100652	10.0000	8.89314
63 n-Butanol	56	8.591	8.591	(1.003)	56579	300.000	256.676
64 Trichloroethene	95	8.877	8.877	(1.037)	343906	10.0000	9.20472
68 1,2-Dichloropropane	63	9.094	9.094	(1.062)	256806	10.0000	9.66151
69 1,4-Dioxane	88	9.163	9.163	(1.070)	30753	500.000	421.674
70 Dibromomethane	93	9.222	9.222	(1.077)	118413	10.0000	9.35496
71 Bromodichloromethane	83	9.301	9.301	(1.086)	310620	10.0000	8.79226
74 cis-1,3-Dichloropropene	75	9.685	9.685	(1.131)	310273	10.0000	8.72146
75 4-Methyl-2-pentanone	43	9.745	9.745	(1.138)	298756	40.0000	36.1711
77 Toluene	91	10.021	10.021	(1.170)	1151385	10.0000	9.32149
79 trans-1,3-Dichloropropene	75	10.159	10.159	(1.187)	230217	10.0000	9.09658
80 1,1,2-Trichloroethane	97	10.366	10.366	(1.211)	126677	10.0000	9.74418
81 2-Hexanone	43	10.514	10.514	(0.920)	191071	40.0000	34.9910
82 1,3-Dichloropropane	76	10.543	10.543	(0.922)	224796	10.0000	9.61508
83 Tetrachloroethene	164	10.563	10.563	(0.924)	329507	10.0000	9.78207
84 Dibromochloromethane	129	10.810	10.810	(0.946)	190006	10.0000	9.16591
86 1,2-Dibromoethane	107	10.987	10.987	(0.961)	133271	10.0000	9.60807
87 1-Chlorohexane	91	11.293	11.293	(0.988)	485334	10.0000	9.92476
89 Chlorobenzene	112	11.470	11.470	(1.003)	733714	10.0000	9.29464
90 1,1,1,2-Tetrachloroethane	131	11.520	11.520	(1.008)	239657	10.0000	9.06172
91 Ethylbenzene	106	11.520	11.520	(1.008)	418606	10.0000	9.64678
92 m and p-Xylene	106	11.628	11.628	(1.017)	1000871	20.0000	18.8070
93 o-Xylene	106	12.131	12.131	(1.061)	455284	10.0000	9.48289
94 Styrene	104	12.131	12.131	(1.061)	657354	10.0000	9.39086
95 Bromoform	173	12.437	12.437	(1.088)	102159	10.0000	8.79652
96 isopropyl benzene	105	12.516	12.516	(0.891)	1339119	10.0000	9.26237
98 Cyclohexanone	55	12.713	12.713	(1.112)	86293	400.000	307.285
100 1,1,2,2-Tetrachloroethane	83	12.821	12.821	(0.913)	125774	10.0000	8.81047
102 1,2,3-Trichloropropane	110	12.920	12.920	(0.920)	32878	10.0000	9.81292(Q)
103 Bromobenzene	156	12.969	12.969	(0.923)	315224	10.0000	9.47522
104 n-Propylbenzene	120	12.959	12.959	(0.923)	376092	10.0000	9.51766
106 2-Chlorotoluene	126	13.127	13.127	(0.935)	320139	10.0000	9.28690
105 1,3,5-Trimethylbenzene	105	13.117	13.117	(0.934)	1049192	10.0000	9.11219
107 4-Chlorotoluene	126	13.236	13.236	(0.942)	314015	10.0000	9.57804
108 tert-Butylbenzene	119	13.512	13.512	(0.962)	969199	10.0000	9.49260
109 1,2,4-Trimethylbenzene	105	13.561	13.561	(0.966)	1030530	10.0000	9.17286
110 sec-Butylbenzene	134	13.768	13.768	(0.980)	302885	10.0000	9.62000
111 4-Isopropyltoluene	119	13.896	13.896	(0.989)	1212488	10.0000	9.32195
112 1,3-Dichlorobenzene	146	13.985	13.985	(0.996)	611891	10.0000	9.51762
114 1,4-dichlorobenzene	146	14.074	14.074	(1.002)	574281	10.0000	9.13668
116 n-Butylbenzene	91	14.399	14.399	(1.025)	1235728	10.0000	9.19835

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
117 1,2-Dichlorobenzene	146	14.557	14.557	(1.037)	476617	10.0000	9.68070
118 1,2-Dibromo-3-chloropropane	157	15.563	15.563	(1.108)	19556	10.0000	8.95137
120 1,2,4-Trichlorobenzene	180	16.786	16.786	(1.195)	316090	10.0000	8.92770
121 Hexachlorobutadiene	225	16.983	16.983	(1.209)	297890	10.0000	8.89009
122 Naphthalene	128	17.249	17.249	(1.228)	281903	10.0000	8.63684
123 1,2,3-Trichlorobenzene	180	17.653	17.653	(1.257)	236241	10.0000	8.94240

QC Flag Legend

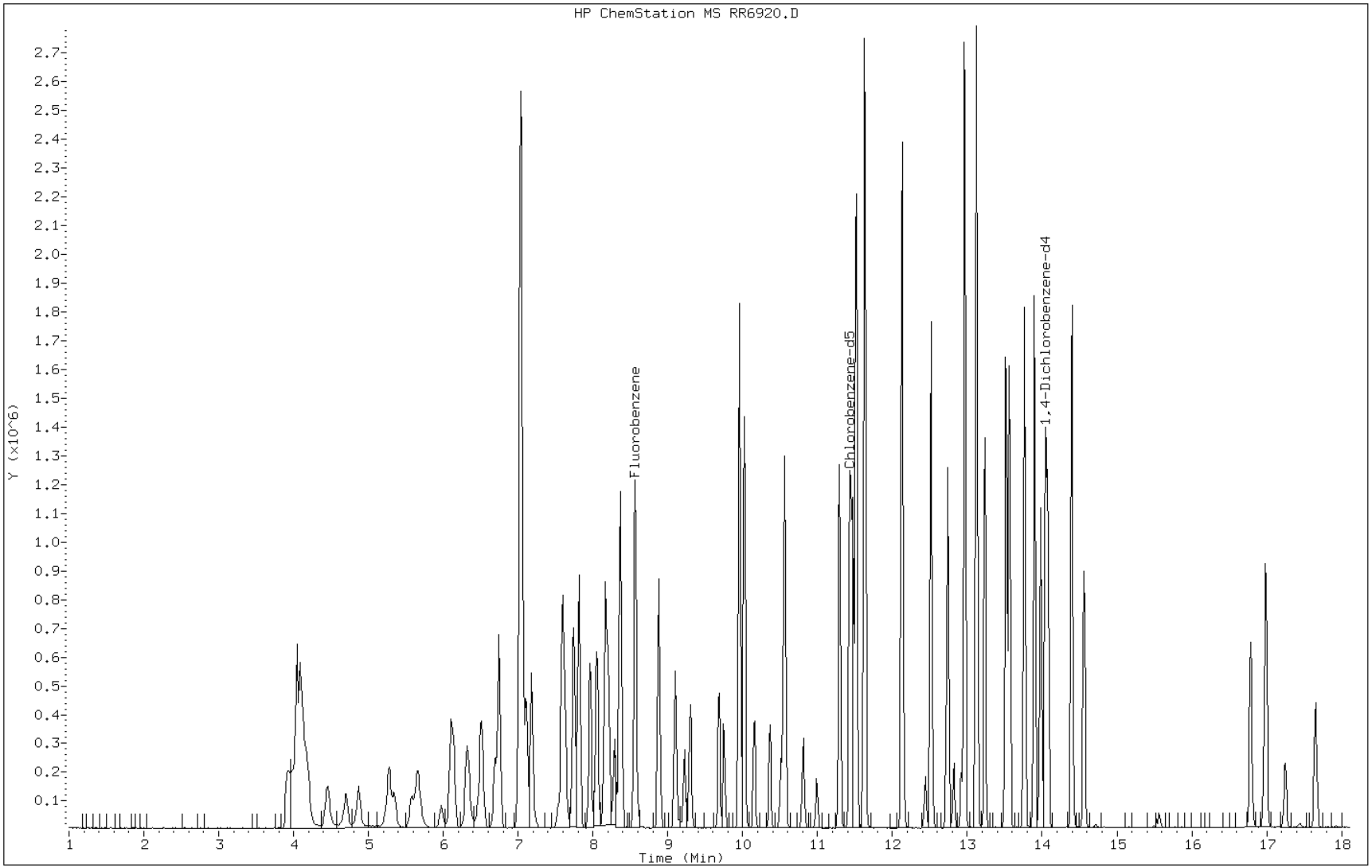
Q - Qualifier signal failed the ratio test.

Data File: RR6920.D

Date: 03-JUL-2012 06:13

Client ID: Instrument: R2.i

Sample Info: CCV,,M 5uL Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab Sample ID: CCV 280-126520/3 Calibration Date: 07/03/2012 06:36

Instrument ID: MSV_R2 Calib Start Date: 06/14/2012 07:32

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/14/2012 09:23

Lab File ID: RR6921.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.7189	0.6200		8.62	10.0	-13.8	50.0
Ethyl ether	Ave	0.1209	0.1059		8.76	10.0	-12.4	35.0
Isopropyl alcohol	Ave	0.0047	0.0043		181	200	-9.3	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.5501	0.5024		9.13	10.0	-8.7	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2920	0.2541		8.70	10.0	-13.0	50.0
Methyl acetate	Ave	0.0607	0.0616		50.7	50.0	1.5	50.0
Allyl chloride	Ave	0.4807	0.4204		8.74	10.0	-12.6	35.0
Carbon disulfide	Ave	1.356	1.157		8.53	10.0	-14.7	20.0
Methyl tert-butyl ether	Ave	0.3366	0.2925		8.69	10.0	-13.1	20.0
Hexane	Ave	2.336	2.171		9.29	10.0	-7.1	20.0
Vinyl acetate	Ave	0.2479	0.1664		13.4	20.0	-32.9	50.0
Tert-butyl ethyl ether	Ave	0.5682	0.5030		44.3	50.0	-11.5	35.0
Ethyl acetate	Ave	0.0944	0.0910		19.3	20.0	-3.6	50.0
2-Butanol	Ave	0.0052	0.0048		276	300	-8.0	50.0
Tetrahydrofuran	Ave	0.0208	0.0179		17.2	20.0	-14.2	50.0
Cyclohexane	Ave	0.5574	0.5016		9.00	10.0	-10.0	35.0
Tert-amyl methyl ether	Ave	0.4054	0.3588		44.3	50.0	-11.5	35.0
2-Pentanone	Ave	0.0635	0.0518		32.6	40.0	-18.5	50.0
Methyl methacrylate	Ave	0.0214	0.0204		19.0	20.0	-4.9	35.0
Methylcyclohexane	Ave	0.4888	0.4292		8.78	10.0	-12.2	35.0
2-Chloroethyl vinyl ether	Ave	0.0583	0.0495		8.49	10.0	-15.1	50.0
2-Nitropropane	Ave	0.0220	0.0150		6.82	10.0	-31.8	50.0
Ethyl methacrylate	Ave	0.6161	0.5917		19.2	20.0	-4.0	35.0
cis-1,4-Dichloro-2-butene	Ave	0.1110	0.0539		4.86	10.0	-51.4*	50.0
trans-1,4-Dichloro-2-butene	Lin1	0.0907	0.0757		7.69	10.0	-23.1	50.0
Dibromofluoromethane (Surr)	Lin2	0.4864	0.3990		10.4	11.3	-7.5	20.0
1,2-Dichloroethane-d4 (Surr)	Lin	0.3193	0.2481		9.74	11.3	-13.4	20.0
Toluene-d8 (Surr)	Lin1	7.226	6.398		11.8	11.3	5.3	20.0
4-Bromofluorobenzene (Surr)	Lin2	1.493	1.260		11.0	11.3	-2.5	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6921.D
Lab Smp Id: CCV
Inj Date : 03-JUL-2012 06:36
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,S 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 08:09 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
*	62 Fluorobenzene	96	8.562	8.562	(1.000)	1251197	12.5000	
*	88 Chlorobenzene-d5	119	11.431	11.431	(1.000)	248989	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.044	14.044	(1.000)	344389	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.960	7.960	(0.930)	449293	10.0000	10.4007
$	58 1,2-Dichloroethane-d4	65	8.285	8.285	(0.968)	279406	10.0000	9.74406
$	76 Toluene-d8	98	9.952	9.952	(0.871)	1433679	10.0000	11.8487
$	99 4-Bromofluorobenzene (Surr)	95	12.743	12.743	(0.907)	390443	10.0000	10.9644
	11 Ethylene Oxide	43	5.209	5.209	(0.608)	397120	1250.00	810.521
	14 Dichlorofluoromethane	67	5.534	5.534	(0.646)	620575	10.0000	8.62410
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.810	5.810	(0.679)	327277	10.0000	9.42321
	21 Propylene Oxide	58	5.929	5.929	(0.692)	787271	500.000	435.170
	19 Ethyl Ether	59	5.800	5.800	(0.677)	105966	10.0000	8.75662
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.860	5.860	(0.684)	502886	10.0000	9.13332
	23 Trichlorotrifluoroethane	151	6.096	6.096	(0.712)	254320	10.0000	8.70181
	18 2-propanol	45	5.800	5.800	(0.677)	86180	200.000	181.484
	27 Methyl Acetate	43	6.343	6.343	(0.741)	308229	50.0000	50.7284
	29 Allyl Chloride	41	6.402	6.402	(0.748)	420797	10.0000	8.74489
	30 Carbon Disulfide	76	6.422	6.422	(0.750)	1158007	10.0000	8.53214
	34 Methyl t-butyl ether	73	6.698	6.698	(0.782)	292783	10.0000	8.68922
	36 Hexane	57	6.915	6.915	(0.605)	432460	10.0000	9.29387
	37 Vinyl acetate	43	7.033	7.033	(0.821)	333165	20.0000	13.4284
	41 ETBE	59	7.349	7.349	(0.858)	2517542	50.0000	44.2620
	42 Ethyl Acetate	43	7.506	7.506	(0.877)	182125	20.0000	19.2705

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
44	2-Butanol	45	7.575	7.575	(0.885)	144509	300.000	276.031
51	Tetrahydrofuran	42	7.842	7.842	(0.916)	35750	20.0000	17.1610
55	Cyclohexane	56	8.128	8.128	(0.949)	502040	10.0000	8.99784
59	TAME	73	8.345	8.345	(0.975)	1795515	50.0000	44.2518
65	2-Pentanone	43	8.936	8.936	(1.044)	207296	40.0000	32.6105
67	Methyl Cyclohexane	55	9.084	9.084	(1.061)	429568	10.0000	8.77899
66	Methyl Methacrylate	100	9.025	9.025	(1.054)	40734	20.0000	19.0145
73	2-nitropropane	41	9.479	9.479	(1.107)	14992	10.0000	6.81698
72	2-Chloroethyl vinyl ether	63	9.459	9.459	(1.105)	49524	10.0000	8.48994
78	Ethyl methacrylate	69	10.120	10.120	(0.885)	235713	20.0000	19.2078
85	Tetrahydrothiophene	60	10.869	10.869	(0.951)	39175	10.0000	6.93847
97	cis-1,4-dichloro-2-butene	53	12.575	12.575	(0.895)	14847	10.0000	4.85693
101	t-1,4-Dichloro-2-butene	53	12.871	12.871	(0.916)	20868	10.0000	7.69250
115	1,2,3-Trimethylbenzene	105	14.084	14.084	(1.003)	813032	10.0000	9.46647
119	Tetralin	104	Compound Not Detected.					

Data File: RR6921.D

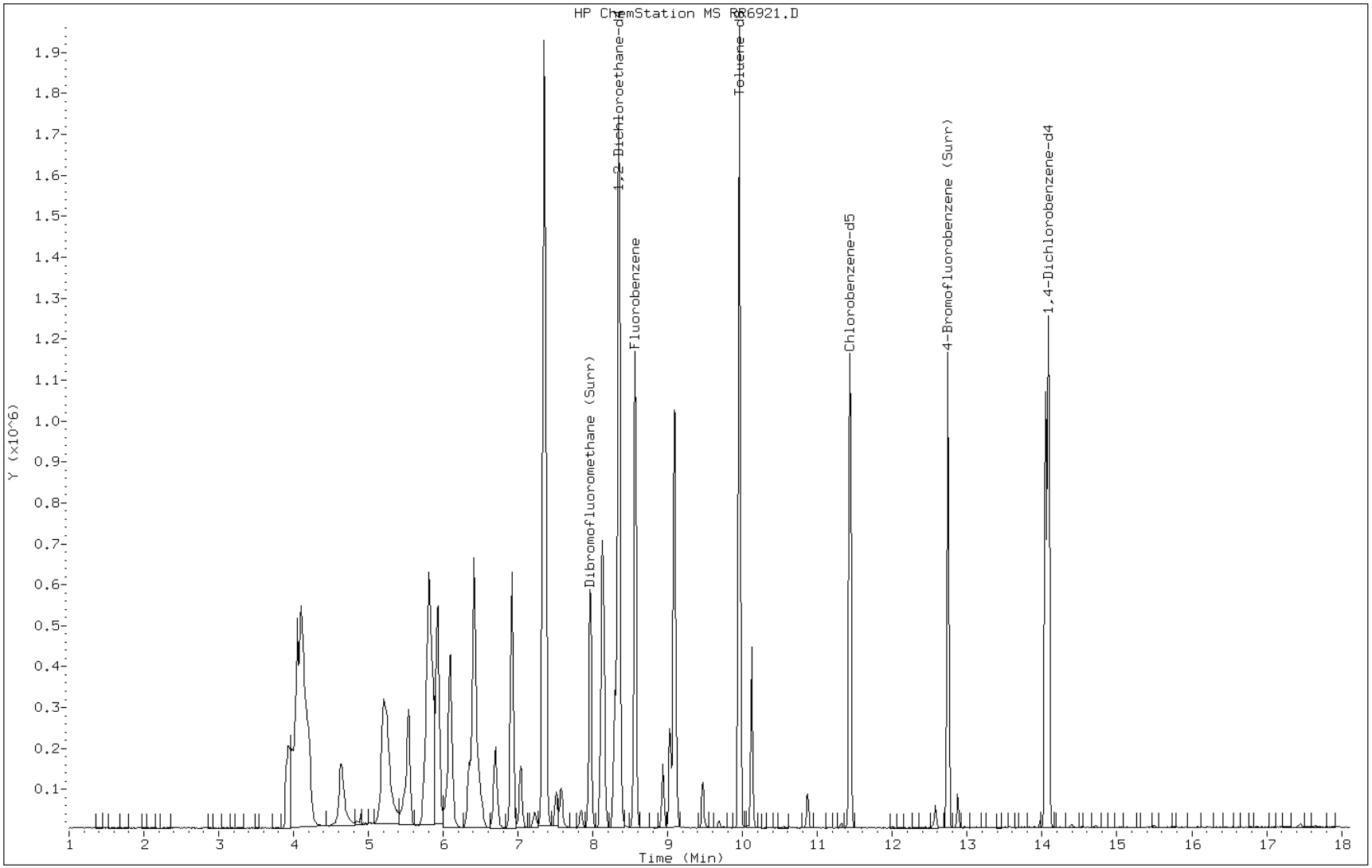
Date: 03-JUL-2012 06:36

Client ID:

Instrument: R2.i

Sample Info: CCV,,S 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Lab Sample ID: CCV 280-126520/4 Calibration Date: 07/03/2012 06:58

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6922.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chloromethane	Ave	0.2969	0.2833	0.1000	9.54	10.0	-4.6	20.0
Chloroethane	Ave	0.2063	0.2024		9.81	10.0	-1.9	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6922.D
Lab Smp Id: CCV
Inj Date : 03-JUL-2012 06:58
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,G 5uL Q4 v12->v13
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 08:09 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-chloros.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

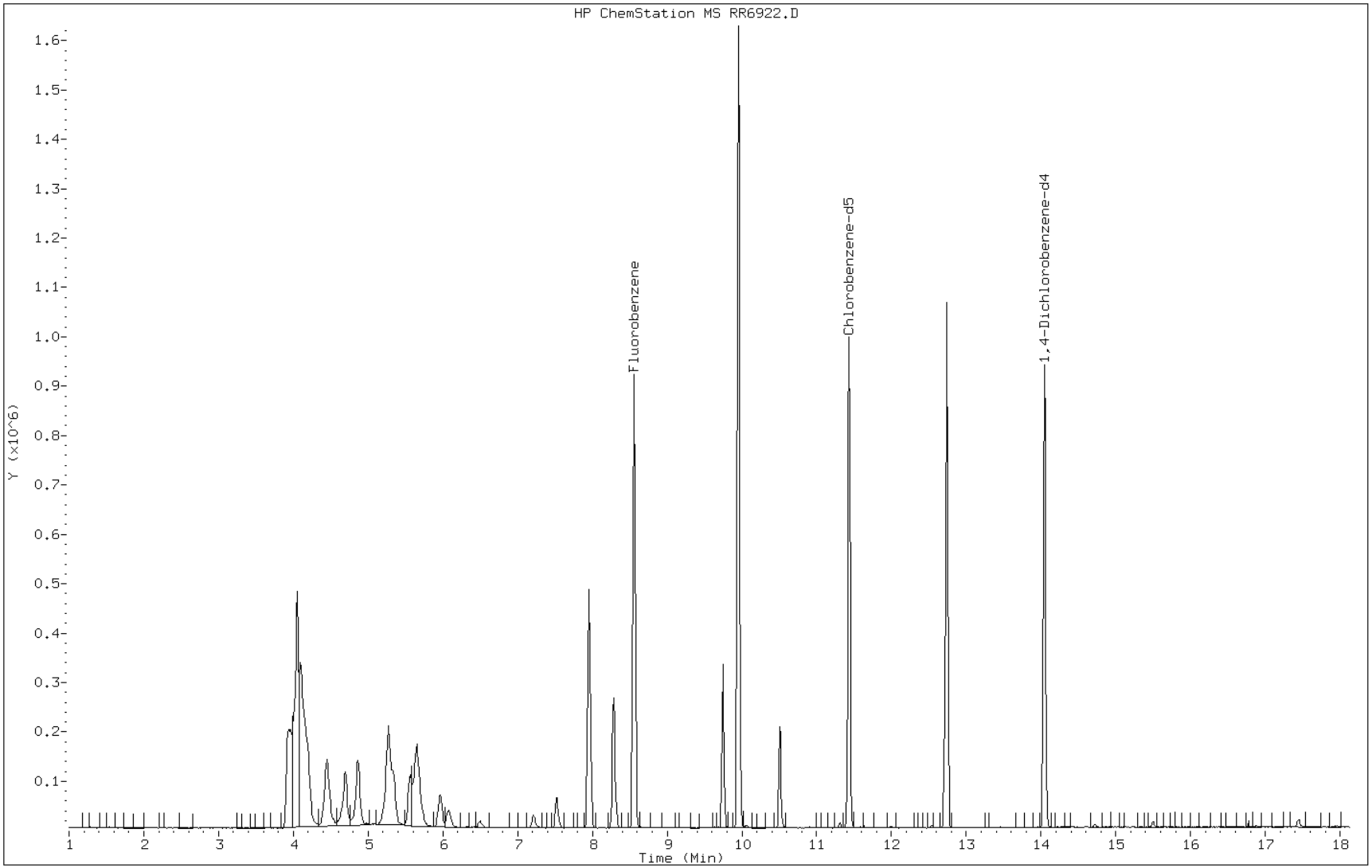
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.561	8.562	(1.000)	1067316	12.5000	
* 88 Chlorobenzene-d5	119	11.430	11.431	(1.000)	219828	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.043	14.044	(1.000)	305173	12.5000	
9 Chloromethane	50	4.695	4.695	(0.548)	241883	10.0000	9.54134
13 Chloroethane	64	5.336	5.336	(0.623)	172838	10.0000	9.81225

Data File: RR6922.D

Date: 03-JUL-2012 06:58

Client ID: Instrument: R2.i

Sample Info: CCV,,G 5uL Q4 v12->v13 Operator: DOBRANSKYM



TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6351.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 14-JUN-2012 06:38
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC088

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.692	5.620	(0.000)	95	15538			0.00- 100.00	100.00
5.692	5.620	(0.000)	50	2968			15.00- 40.00	19.10
5.692	5.620	(0.000)	75	7640			30.00- 60.00	49.17
5.692	5.620	(0.000)	96	1239			5.00- 9.00	7.97
5.692	5.620	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.692	5.620	(0.000)	174	15031			50.00- 0.00	96.74
5.692	5.620	(0.000)	175	1159			5.00- 9.00	7.71
5.692	5.620	(0.000)	176	14893			95.00- 101.00	99.08
5.692	5.620	(0.000)	177	1195			5.00- 9.00	8.02

Data File: RR6351.D

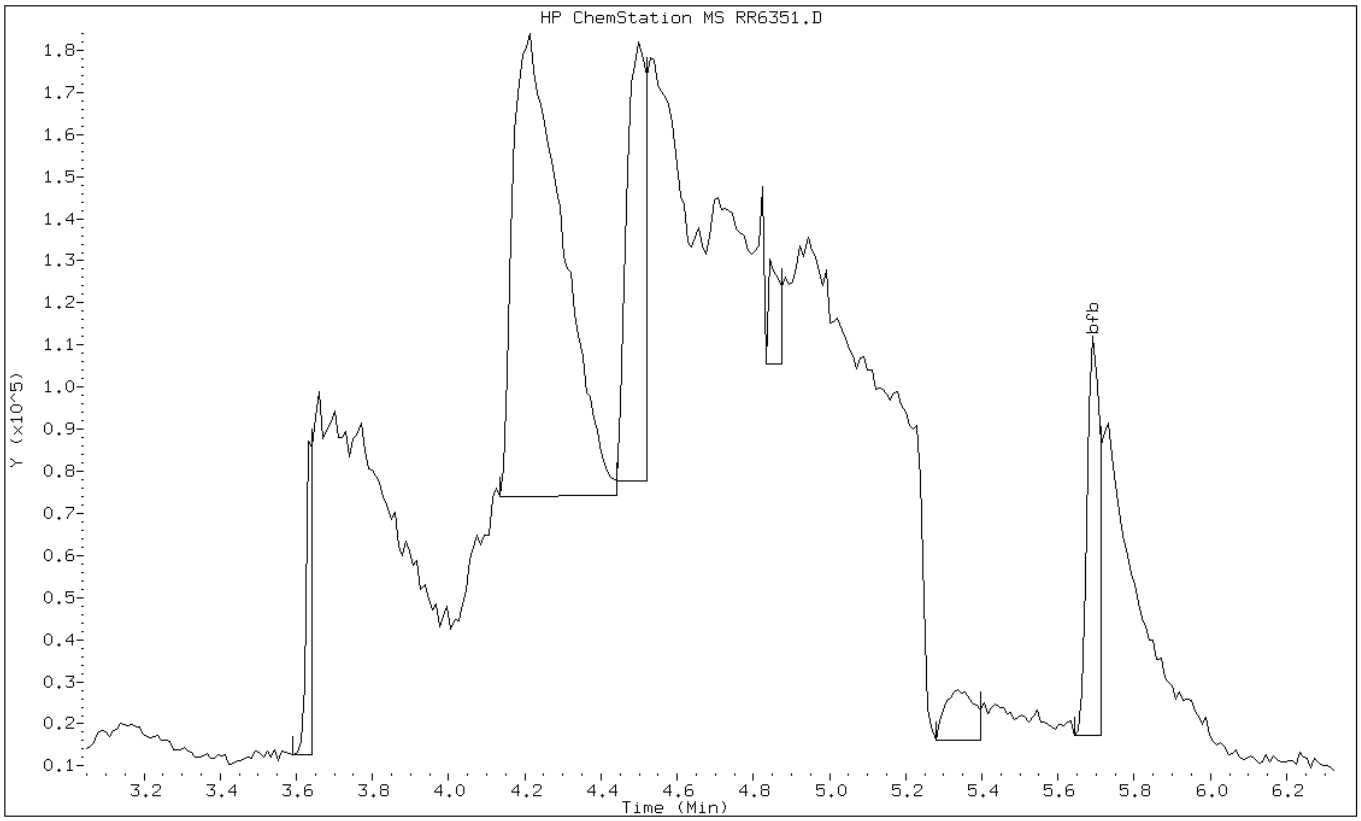
Date: 14-JUN-2012 06:38

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



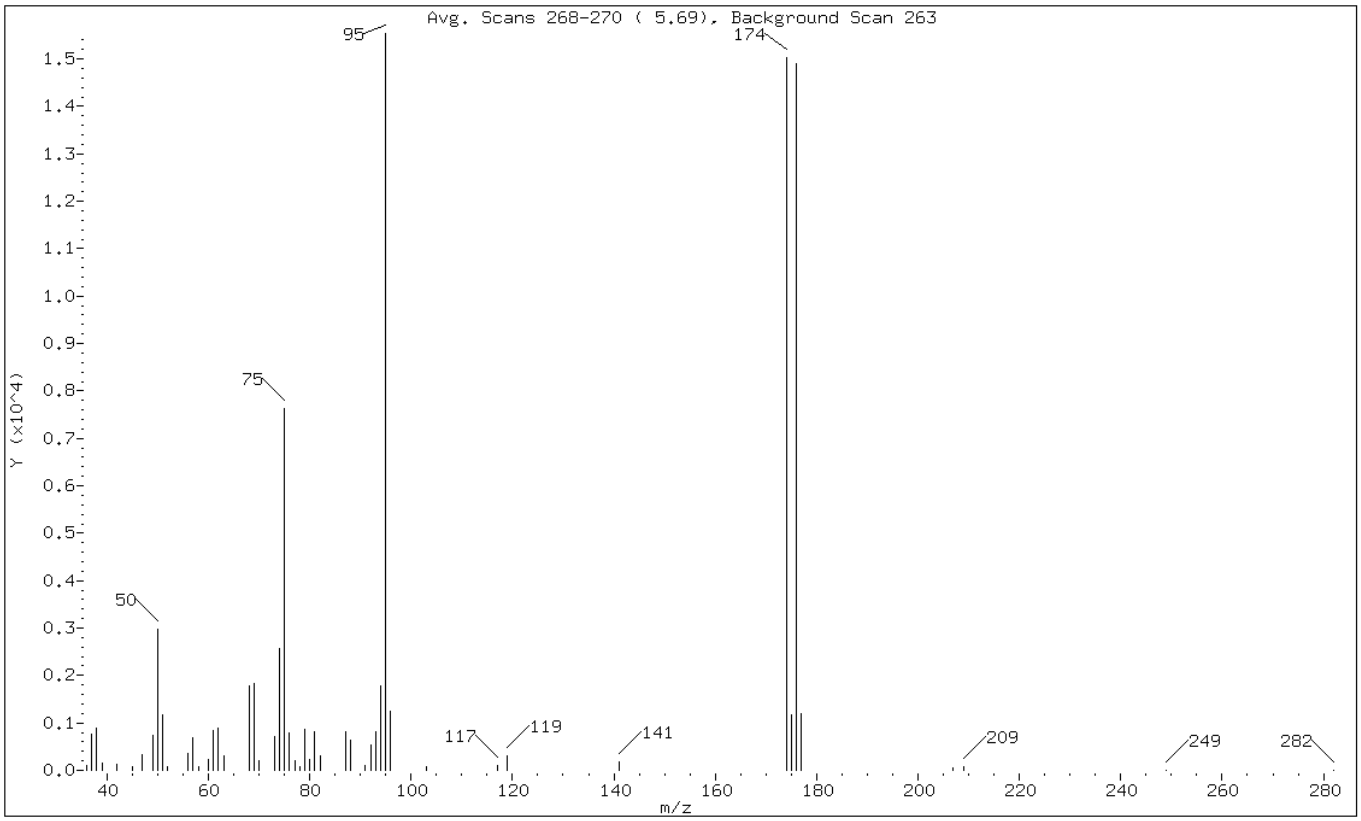
Data File: RR6351.D

Date: 14-JUN-2012 06:38

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.10
75	30.00 - 60.00% of mass 95	49.17
96	5.00 - 9.00% of mass 95	7.97
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	96.74
175	5.00 - 9.00% of mass 174	7.46 (7.71)
176	95.00 - 101.00% of mass 174	95.85 (99.08)
177	5.00 - 9.00% of mass 176	7.69 (8.02)

Data File: RR6351.D

Date: 14-JUN-2012 06:38

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6351.D
Spectrum: Avg. Scans 268-270 (5.69), Background Scan 263
Location of Maximum: 95.00
Number of points: 51

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	105	58.00	85	78.00	87	103.00	83
37.00	771	60.00	226	79.00	876	117.00	94
38.00	889	61.00	842	80.00	228	119.00	314
39.00	151	62.00	880	81.00	818	141.00	178
42.00	139	63.00	299	82.00	300	174.00	15031
45.00	68	68.00	1769	87.00	816	175.00	1159
47.00	319	69.00	1828	88.00	645	176.00	14893
49.00	730	70.00	194	91.00	99	177.00	1195
50.00	2968	73.00	713	92.00	526	207.00	40
51.00	1165	74.00	2581	93.00	808	209.00	83
52.00	88	75.00	7640	94.00	1788	249.00	10
56.00	368	76.00	787	95.00	15538	282.00	12
57.00	690	77.00	195	96.00	1239		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6385.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 15-JUN-2012 06:43
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC088

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.698	5.620	(0.000)	95	22528			0.00- 100.00	100.00
5.698	5.620	(0.000)	50	5019			15.00- 40.00	22.28
5.698	5.620	(0.000)	75	11183			30.00- 60.00	49.64
5.698	5.620	(0.000)	96	1389			5.00- 9.00	6.17
5.698	5.620	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.698	5.620	(0.000)	174	22520			50.00- 0.00	99.96
5.698	5.620	(0.000)	175	1669			5.00- 9.00	7.41
5.698	5.620	(0.000)	176	21400			95.00- 101.00	95.03
5.698	5.620	(0.000)	177	1640			5.00- 9.00	7.66

Data File: RR6385.D

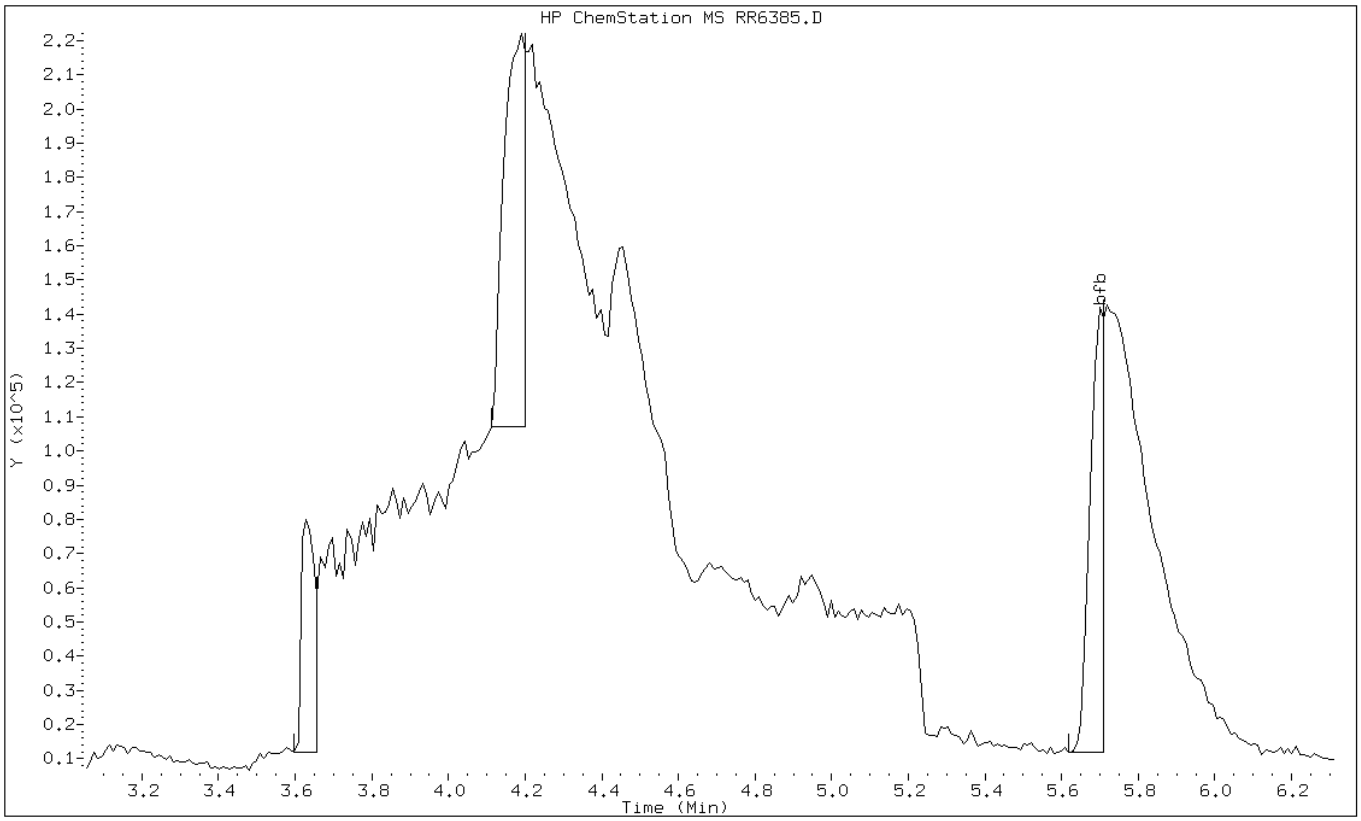
Date: 15-JUN-2012 06:43

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



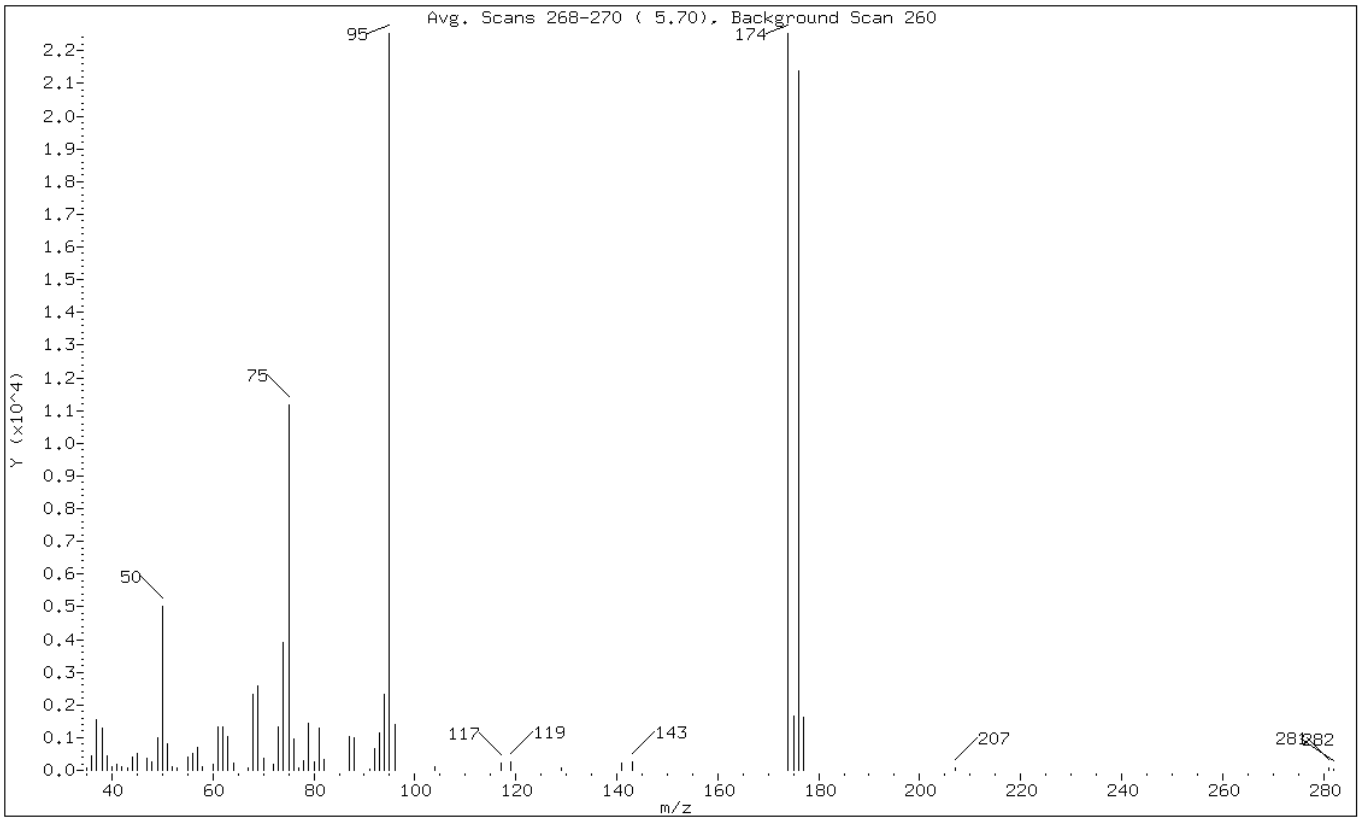
Data File: RR6385.D

Date: 15-JUN-2012 06:43

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.28
75	30.00 - 60.00% of mass 95	49.64
96	5.00 - 9.00% of mass 95	6.17
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	99.96
175	5.00 - 9.00% of mass 174	7.41 (7.41)
176	95.00 - 101.00% of mass 174	94.99 (95.03)
177	5.00 - 9.00% of mass 176	7.28 (7.66)

Data File: RR6385.D

Date: 15-JUN-2012 06:43

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6385.D
Spectrum: Avg. Scans 268-270 (5.70), Background Scan 260
Location of Maximum: 95.00
Number of points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	87	52.00	99	73.00	1326	95.00	22528
36.00	444	53.00	88	74.00	3896	96.00	1389
37.00	1535	55.00	407	75.00	11183	104.00	100
38.00	1302	56.00	504	76.00	942	117.00	204
39.00	449	57.00	699	77.00	75	119.00	243
40.00	107	58.00	93	78.00	299	129.00	86
41.00	194	60.00	196	79.00	1420	141.00	220
42.00	128	61.00	1314	80.00	276	143.00	254
43.00	86	62.00	1334	81.00	1294	174.00	22520
44.00	413	63.00	1028	82.00	338	175.00	1669
45.00	511	64.00	215	87.00	1028	176.00	21400
47.00	362	67.00	85	88.00	996	177.00	1640
48.00	268	68.00	2336	91.00	27	207.00	83
49.00	1008	69.00	2573	92.00	657	281.00	79
50.00	5019	70.00	379	93.00	1155	282.00	26
51.00	824	72.00	196	94.00	2327		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6855.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 02-JUL-2012 06:11
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC088

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.703	5.620	(0.000)	95	48656			0.00- 100.00	98.48
5.703	5.620	(0.000)	50	9757			15.00- 40.00	20.05
5.703	5.620	(0.000)	75	22456			30.00- 60.00	46.15
5.703	5.620	(0.000)	96	3535			5.00- 9.00	7.27
5.703	5.620	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.703	5.620	(0.000)	174	49408			50.00- 0.00	101.55
5.703	5.620	(0.000)	175	3624			5.00- 9.00	7.33
5.703	5.620	(0.000)	176	49368			95.00- 101.00	99.92
5.703	5.620	(0.000)	177	3287			5.00- 9.00	6.66

Data File: RR6855.D

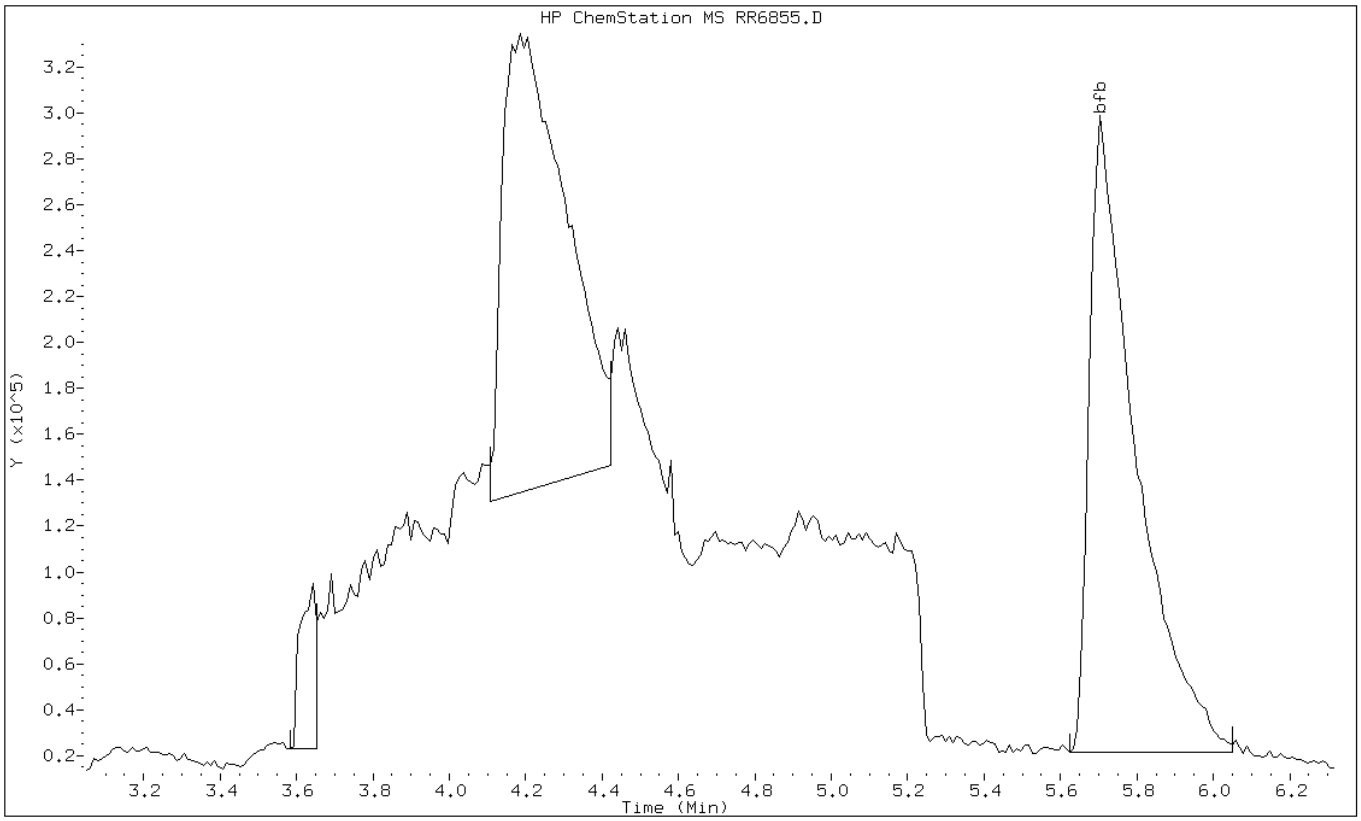
Date: 02-JUL-2012 06:11

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



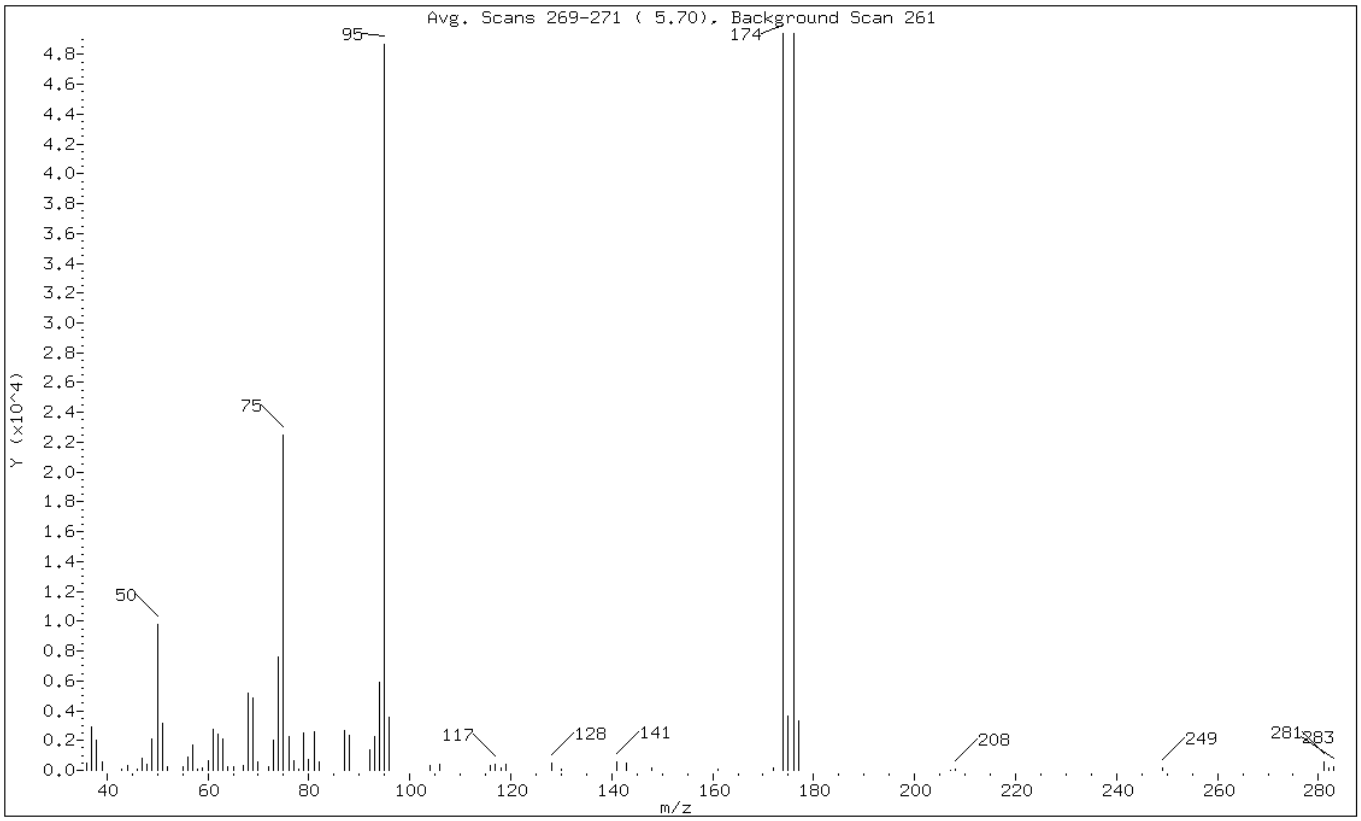
Data File: RR6855.D

Date: 02-JUL-2012 06:11

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.05
75	30.00 - 60.00% of mass 95	46.15
96	5.00 - 9.00% of mass 95	7.27
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	101.55
175	5.00 - 9.00% of mass 174	7.45 (7.33)
176	95.00 - 101.00% of mass 174	101.46 (99.92)
177	5.00 - 9.00% of mass 176	6.76 (6.66)

Data File: RR6855.D

Date: 02-JUL-2012 06:11

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6855.D
Spectrum: Avg. Scans 269-271 (5.70), Background Scan 261
Location of Maximum: 174.00
Number of points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	457	60.00	609	80.00	715	141.00	536
37.00	2933	61.00	2730	81.00	2555	143.00	503
38.00	2043	62.00	2411	82.00	589	148.00	171
39.00	555	63.00	2092	87.00	2647	161.00	85
43.00	112	64.00	278	88.00	2322	172.00	179
44.00	296	65.00	261	92.00	1404	174.00	49408
46.00	100	67.00	300	93.00	2242	175.00	3624
47.00	784	68.00	5144	94.00	5930	176.00	49368
48.00	410	69.00	4836	95.00	48656	177.00	3287
49.00	2139	70.00	580	96.00	3535	207.00	25
50.00	9757	72.00	270	104.00	336	208.00	44
51.00	3133	73.00	2029	106.00	382	249.00	198
52.00	283	74.00	7625	116.00	302	281.00	532
55.00	271	75.00	22456	117.00	435	282.00	163
56.00	862	76.00	2225	118.00	185	283.00	213
57.00	1689	77.00	665	119.00	373		
58.00	99	78.00	116	128.00	452		
59.00	178	79.00	2502	130.00	90		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6918.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 03-JUL-2012 05:40
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC364

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.677	5.620	(0.000)	95	40152			0.00- 100.00	100.00
5.677	5.620	(0.000)	50	8590			15.00- 40.00	21.39
5.677	5.620	(0.000)	75	19136			30.00- 60.00	47.66
5.677	5.620	(0.000)	96	3377			5.00- 9.00	8.41
5.677	5.620	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.677	5.620	(0.000)	174	39776			50.00- 0.00	99.06
5.677	5.620	(0.000)	175	2906			5.00- 9.00	7.31
5.677	5.620	(0.000)	176	38600			95.00- 101.00	97.04
5.677	5.620	(0.000)	177	2475			5.00- 9.00	6.41

Data File: RR6918.D

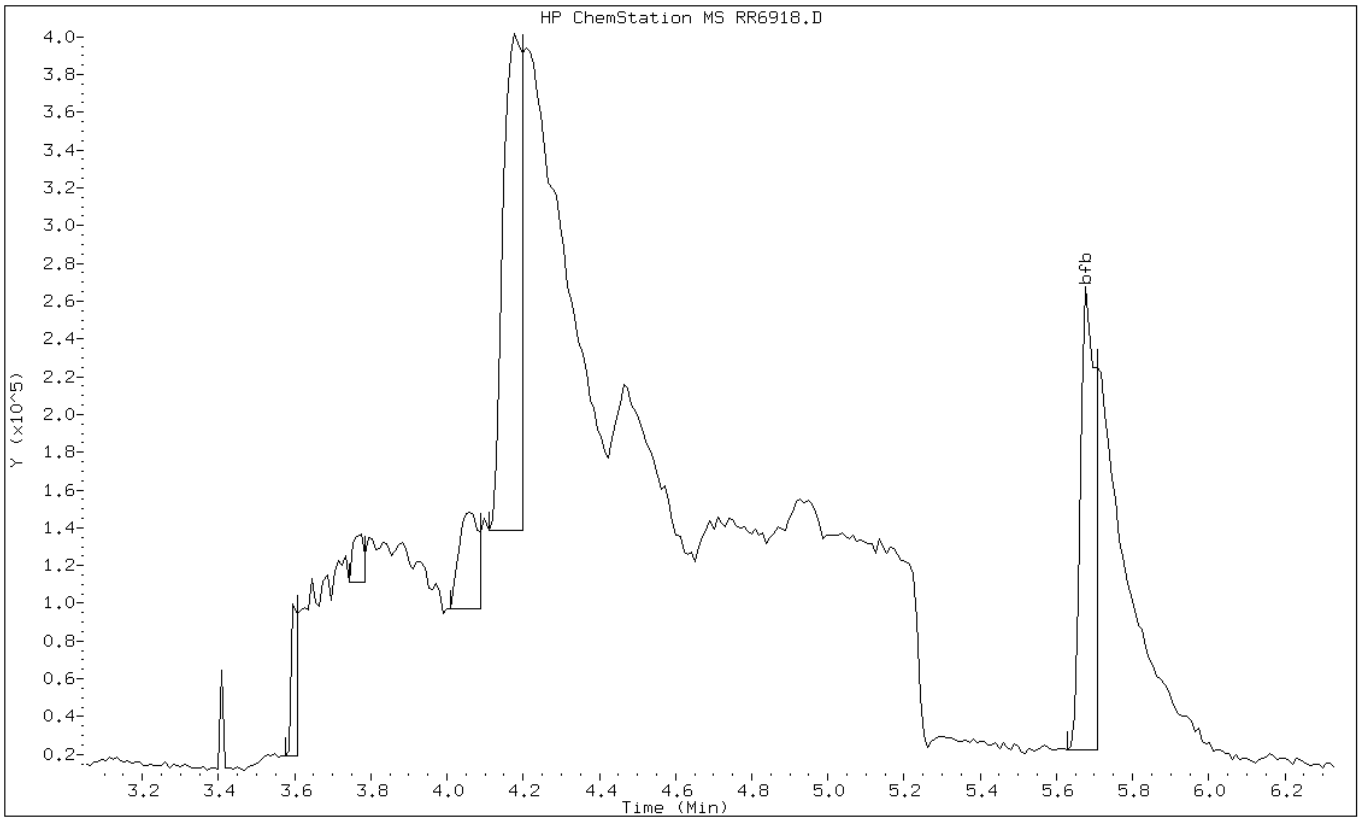
Date: 03-JUL-2012 05:40

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



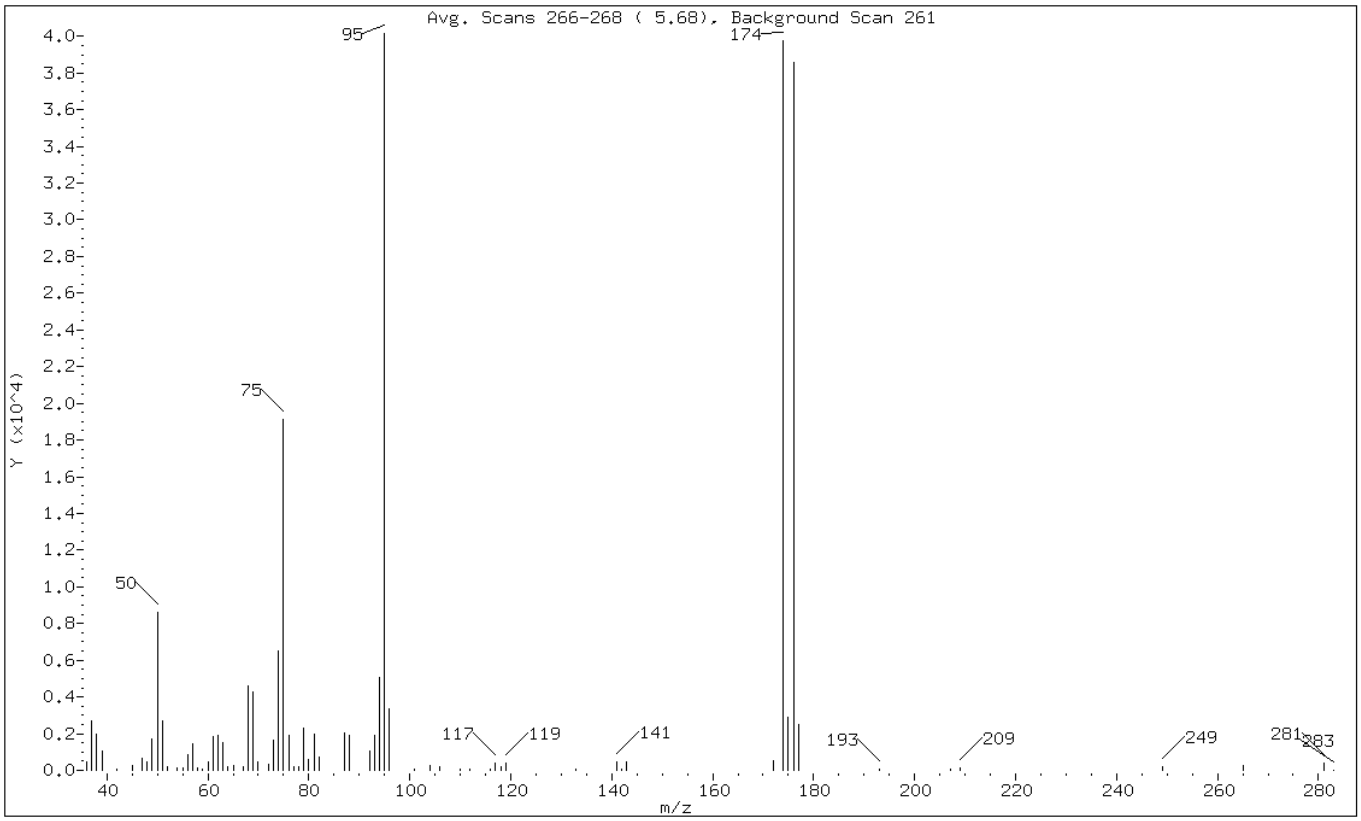
Data File: RR6918.D

Date: 03-JUL-2012 05:40

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.39
75	30.00 - 60.00% of mass 95	47.66
96	5.00 - 9.00% of mass 95	8.41
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	99.06
175	5.00 - 9.00% of mass 174	7.24 (7.31)
176	95.00 - 101.00% of mass 174	96.13 (97.04)
177	5.00 - 9.00% of mass 176	6.16 (6.41)

Data File: RR6918.D

Date: 03-JUL-2012 05:40

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6918.D
Spectrum: Avg. Scans 266-268 (5.68), Background Scan 261
Location of Maximum: 95.00
Number of points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	480	60.00	472	80.00	624	119.00	366
37.00	2711	61.00	1833	81.00	1980	133.00	40
38.00	1997	62.00	1896	82.00	699	141.00	462
39.00	1075	63.00	1530	87.00	2019	142.00	95
42.00	40	64.00	192	88.00	1887	143.00	441
45.00	260	65.00	265	92.00	1084	172.00	549
47.00	654	67.00	202	93.00	1894	174.00	39776
48.00	465	68.00	4597	94.00	5063	175.00	2906
49.00	1738	69.00	4301	95.00	40152	176.00	38600
50.00	8590	70.00	459	96.00	3377	177.00	2475
51.00	2669	72.00	343	101.00	89	193.00	64
52.00	198	73.00	1646	104.00	273	207.00	42
54.00	108	74.00	6514	106.00	223	209.00	109
55.00	124	75.00	19136	110.00	90	249.00	216
56.00	879	76.00	1932	112.00	92	265.00	295
57.00	1455	77.00	215	116.00	87	281.00	382
58.00	104	78.00	168	117.00	403	283.00	19
59.00	90	79.00	2278	118.00	201		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-126338/7

Matrix: Water | Lab File ID: RR6863.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 08:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-126338/7

Matrix: Water | Lab File ID: RR6863.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 08:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-126338/7

Matrix: Water Lab File ID: RR6863.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 08:56

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	106		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		70-120
460-00-4	4-Bromofluorobenzene (Surr)	98		75-120
1868-53-7	Dibromofluoromethane (Surr)	91		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6863.D
Lab Smp Id: MB
Inj Date : 02-JUL-2012 08:56
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : MB,,AF
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 08:27 dobranskym Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	62 Fluorobenzene	96	8.571	8.564	(1.000)	1175315	12.5000	
*	88 Chlorobenzene-d5	119	11.440	11.434	(1.000)	235446	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.044	14.047	(1.000)	322611	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.969	7.964	(0.930)	416125	10.2285	10.2285
$	58 1,2-Dichloroethane-d4	65	8.295	8.290	(0.968)	261895	9.72005	9.72005
$	76 Toluene-d8	98	9.961	9.956	(0.871)	1357624	11.8691	11.8690
$	99 4-Bromofluorobenzene (Surr)	95	12.742	12.737	(0.907)	367766	11.0369	11.0369
M	2 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	3 Xylene (total)	106	Compound Not Detected.					
	7 dichlorodifluoromethane	85	Compound Not Detected.					
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	17 1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
	19 Ethyl Ether	59	Compound Not Detected.					
	20 2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR6863.D

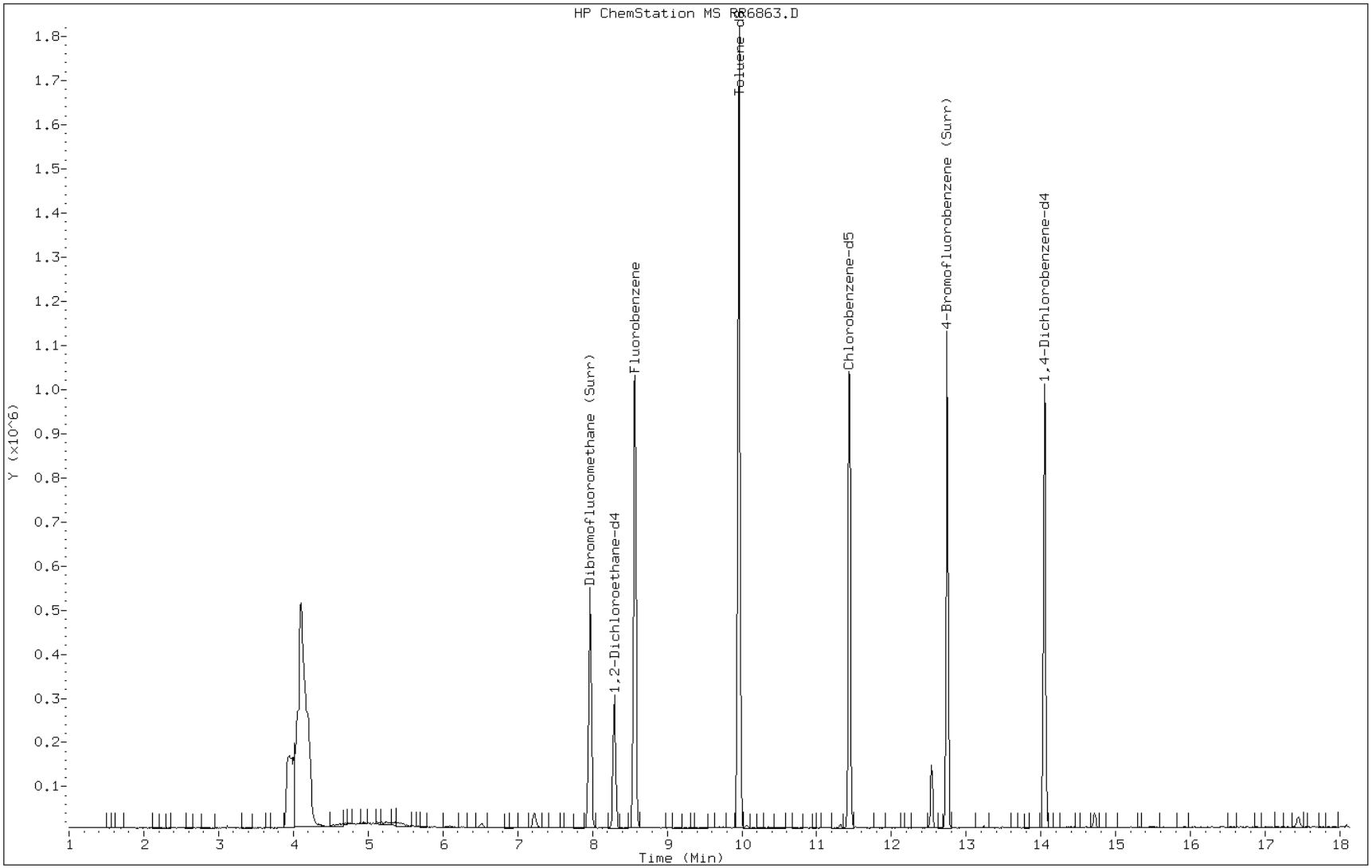
Date: 02-JUL-2012 08:56

Client ID:

Instrument: R2.i

Sample Info: MB,,AF

Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-126520/8

Matrix: Water | Lab File ID: RR6926.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 08:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-126520/8

Matrix: Water | Lab File ID: RR6926.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 08:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-126520/8

Matrix: Water Lab File ID: RR6926.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/03/2012 08:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126520 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	106		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		70-120
460-00-4	4-Bromofluorobenzene (Surr)	94		75-120
1868-53-7	Dibromofluoromethane (Surr)	93		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6926.D
Lab Smp Id: MB
Inj Date : 03-JUL-2012 08:29
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : MB,,AF
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 08:09 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.561	8.562	(1.000)	1141743	12.5000	
* 88	Chlorobenzene-d5	119	11.441	11.431	(1.000)	224748	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.054	14.044	(1.000)	316102	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.970	7.960	(0.931)	410888	10.4276	10.4276
$ 58	1,2-Dichloroethane-d4	65	8.295	8.285	(0.969)	252358	9.63023	9.63023
$ 76	Toluene-d8	98	9.961	9.952	(0.871)	1297097	11.8819	11.8819
$ 99	4-Bromofluorobenzene (Surr)	95	12.742	12.743	(0.907)	346993	10.5467	10.5467
M 2	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 3	Xylene (total)	106	Compound Not Detected.					
7	dichlorodifluoromethane	85	Compound Not Detected.					
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
17	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
19	Ethyl Ether	59	Compound Not Detected.					
20	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR6926.D

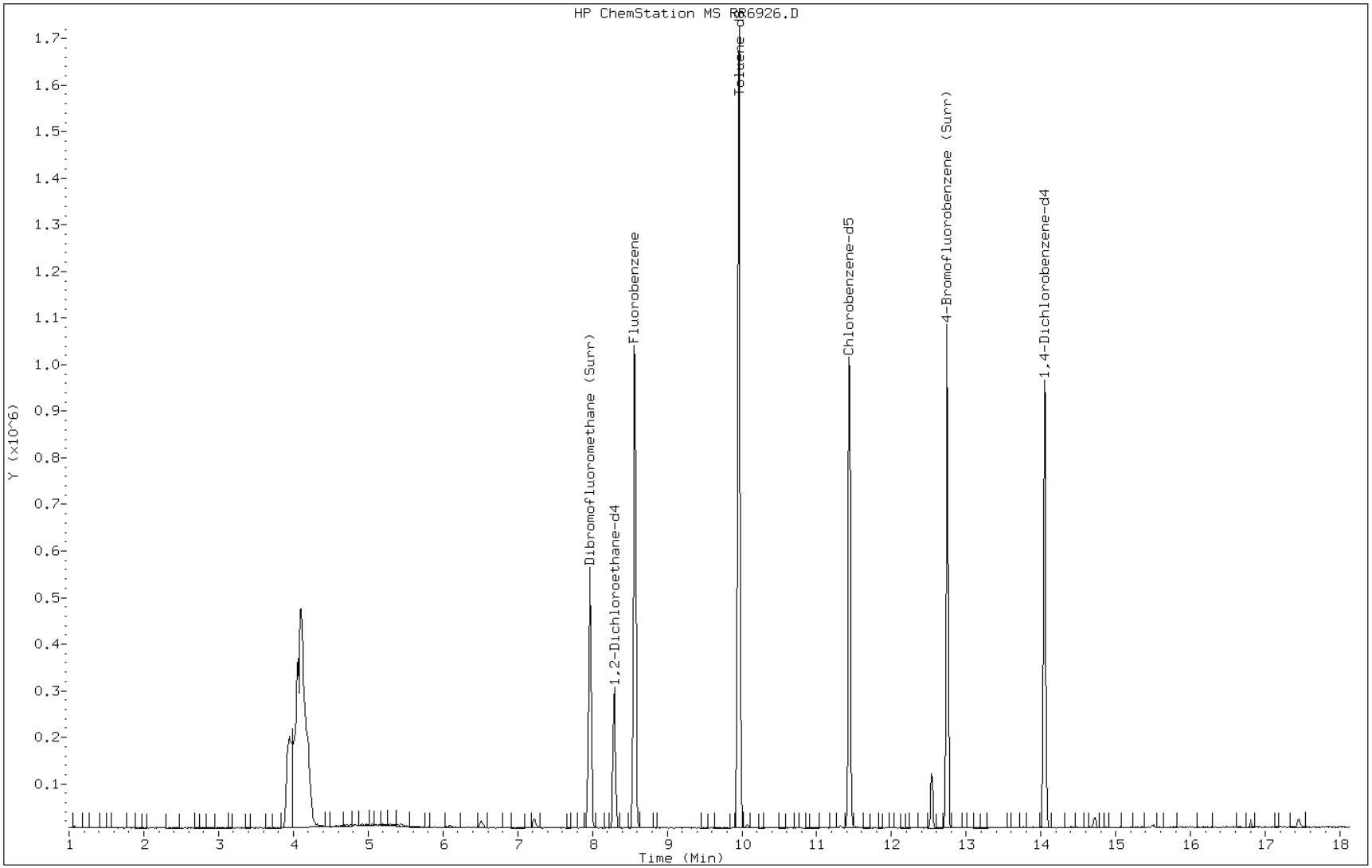
Date: 03-JUL-2012 08:29

Client ID:

Instrument: R2.i

Sample Info: MB,,AF

Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-126338/6

Matrix: Water | Lab File ID: RR6862.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 08:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	4.44		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	4.14		1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	4.69		3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	4.45		1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	4.55		1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	4.42		1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	4.42	J	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	4.53		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	4.74		1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	4.67		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	4.55		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	4.42		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	4.59		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	4.76		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.60		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	4.55		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	4.51		1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	28.0		6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	4.58		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	4.61		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	4.36		1.0	0.40	0.20
591-78-6	2-Hexanone	22.4		5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	22.0		5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	4.53		1.0	0.40	0.17
71-43-2	Benzene	4.47		1.0	0.20	0.16
67-64-1	Acetone	23.2		10	6.4	1.9
108-86-1	Bromobenzene	4.60		1.0	0.20	0.17
75-25-2	Bromoform	4.55		1.0	0.40	0.19
74-83-9	Bromomethane	4.95		2.0	0.40	0.21
56-23-5	Carbon tetrachloride	4.29		2.0	0.40	0.19
75-15-0	Carbon disulfide	4.43		2.0	0.80	0.45
95-49-8	2-Chlorotoluene	4.70		1.0	0.40	0.17
106-43-4	4-Chlorotoluene	4.80		1.0	0.40	0.17
108-90-7	Chlorobenzene	4.48		1.0	0.20	0.17
74-97-5	Chlorobromomethane	4.47		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.49		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-126338/6

Matrix: Water | Lab File ID: RR6862.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 08:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	4.23		1.0	0.20	0.16
75-00-3	Chloroethane	4.41		2.0	1.6	0.41
74-87-3	Chloromethane	4.55		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	4.52		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	4.38		1.0	0.20	0.16
74-95-3	Dibromomethane	4.48		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	4.31		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	4.47		2.0	0.80	0.31
100-41-4	Ethylbenzene	4.75		1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	4.29		1.0	0.40	0.36
98-82-8	Isopropylbenzene	4.60		1.0	0.40	0.19
106-93-4	Ethylene Dibromide	4.55		1.0	0.20	0.18
75-09-2	Methylene Chloride	4.55	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	4.29	J	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	9.26		2.0	0.80	0.34
91-20-3	Naphthalene	4.29		1.0	0.80	0.22
104-51-8	n-Butylbenzene	4.65		1.0	0.40	0.32
103-65-1	N-Propylbenzene	4.70		1.0	0.20	0.16
95-47-6	o-Xylene	4.67		1.0	0.40	0.19
100-42-5	Styrene	4.39		1.0	0.40	0.17
135-98-8	sec-Butylbenzene	4.69		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.55		1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	4.54		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	4.45		1.0	0.40	0.19
127-18-4	Tetrachloroethene	4.59		1.0	0.40	0.20
108-88-3	Toluene	4.55		1.0	0.40	0.17
79-01-6	Trichloroethene	4.59		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	4.81		2.0	0.80	0.29
75-01-4	Vinyl chloride	4.60		1.5	0.80	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-126338/6

Matrix: Water Lab File ID: RR6862.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 08:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		70-120
460-00-4	4-Bromofluorobenzene (Surr)	89		75-120
1868-53-7	Dibromofluoromethane (Surr)	90		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6862.D
Lab Smp Id: LCS
Inj Date : 02-JUL-2012 08:34
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : LCS,,2.5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 08:27 dobranskym Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: lcs-DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	62 Fluorobenzene	96	8.563	8.564	(1.000)	1213193	12.5000	
*	88 Chlorobenzene-d5	119	11.432	11.434	(1.000)	248180	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.046	14.047	(1.000)	378219	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.961	7.964	(0.930)	426169	10.1336	10.1336
$	58 1,2-Dichloroethane-d4	65	8.297	8.290	(0.969)	260196	9.30322	9.30322
$	76 Toluene-d8	98	9.953	9.956	(0.871)	1374750	11.3043	11.3043
$	99 4-Bromofluorobenzene (Surr)	95	12.744	12.737	(0.907)	395979	9.95772	9.95772
M	2 1,2-Dichloroethene (total)	96				305065	9.05513	9.05513
M	3 Xylene (total)	106				652711	13.9259	13.9259
	7 dichlorodifluoromethane	85	4.461	4.447	(0.521)	149583	4.46935	4.46935
	9 Chloromethane	50	4.717	4.705	(0.551)	131160	4.55165	4.55165
	10 Vinyl Chloride	62	4.875	4.871	(0.569)	142532	4.60129	4.60129
	12 Bromomethane	94	5.289	5.285	(0.618)	143317	4.94511	4.94511
	13 Chloroethane	64	5.348	5.354	(0.625)	88379	4.41409	4.41409
	15 Trichlorofluoromethane	101	5.674	5.660	(0.663)	251920	4.80809	4.80809
	24 Acetone	43	6.098	6.089	(0.712)	61770	23.2109	23.2109
	25 1,1-Dichloroethene	96	6.127	6.109	(0.716)	154298	4.74059	4.74059
	30 Carbon Disulfide	76	6.423	6.416	(0.750)	582924	4.42950	4.42950
	32 Methylene Chloride	84	6.522	6.513	(0.762)	131563	4.55235	4.55235
	34 Methyl t-butyl ether	73	6.699	6.702	(0.782)	140140	4.28936	4.28936(a)
	35 trans-1,2-Dichloroethene	96	6.758	6.750	(0.789)	159330	4.53941	4.53941
	37 Vinyl acetate	43	7.044	7.037	(0.823)	110734	4.60301	4.60301

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
39 1,1-Dichloroethane	63	7.113	7.105	(0.831)	264244	4.54689	4.54689
43 2-Butanone	43	7.537	7.529	(0.880)	95063	27.9974	27.9974
44 2-Butanol	45	7.577	7.580	(0.885)	76906	151.502	151.502
45 cis-1,2-Dichloroethene	96	7.596	7.588	(0.887)	145735	4.51573	4.51572
47 2,2-Dichloropropane	77	7.626	7.618	(0.891)	204090	4.36353	4.36352(a)
49 Bromochloromethane	128	7.813	7.815	(0.912)	54432	4.46621	4.46621
50 Chloroform	83	7.823	7.815	(0.914)	243707	4.23046	4.23046
54 1,1,1-Trichloroethane	97	8.060	8.052	(0.941)	219462	4.13922	4.13922
56 1,1-Dichloropropene	75	8.168	8.160	(0.954)	217043	4.53149	4.53149
57 Carbon Tetrachloride	117	8.208	8.209	(0.959)	214064	4.28541	4.28541
60 1,2-Dichloroethane	62	8.356	8.357	(0.976)	112066	4.76303	4.76303
61 Benzene	78	8.375	8.367	(0.978)	504291	4.46771	4.46771
64 Trichloroethene	95	8.888	8.880	(1.038)	156383	4.58944	4.58944
65 2-Pentanone	43	8.938	8.931	(1.044)	53454	8.67247	8.67247
68 1,2-Dichloropropane	63	9.105	9.097	(1.063)	111652	4.60580	4.60580
70 Dibromomethane	93	9.224	9.225	(1.077)	51736	4.48161	4.48161
71 Bromodichloromethane	83	9.302	9.304	(1.086)	139008	4.31430	4.31430
74 cis-1,3-Dichloropropene	75	9.687	9.679	(1.131)	142060	4.37841	4.37841
75 4-Methyl-2-pentanone	43	9.746	9.748	(1.138)	165864	22.0189	22.0189
77 Toluene	91	10.022	10.024	(1.170)	512899	4.55298	4.55298
79 trans-1,3-Dichloropropene	75	10.160	10.152	(1.187)	102803	4.45395	4.45395
80 1,1,2-Trichloroethane	97	10.367	10.369	(1.211)	55417	4.67401	4.67401
81 2-Hexanone	43	10.506	10.507	(0.919)	111487	22.4217	22.4217
82 1,3-Dichloropropane	76	10.545	10.547	(0.922)	96866	4.55009	4.55009
83 Tetrachloroethene	164	10.565	10.566	(0.924)	140799	4.59040	4.59040
84 Dibromochloromethane	129	10.811	10.813	(0.946)	84847	4.49499	4.49499
86 1,2-Dibromoethane	107	10.989	10.990	(0.961)	57453	4.54880	4.54880
89 Chlorobenzene	112	11.472	11.474	(1.003)	322312	4.48401	4.48401
90 1,1,1,2-Tetrachloroethane	131	11.521	11.523	(1.008)	106850	4.43689	4.43689
91 Ethylbenzene	106	11.521	11.513	(1.008)	187567	4.74698	4.74698
92 m and p-Xylene	106	11.630	11.631	(1.017)	448704	9.25949	9.25948
93 o-Xylene	106	12.133	12.124	(1.061)	204007	4.66646	4.66646
94 Styrene	104	12.133	12.134	(1.061)	279914	4.39152	4.39152
95 Bromoform	173	12.438	12.440	(1.088)	48103	4.54874	4.54874
96 isopropyl benzene	105	12.517	12.519	(0.891)	583986	4.59808	4.59808
100 1,1,2,2-Tetrachloroethane	83	12.823	12.825	(0.913)	57013	4.54625	4.54625
102 1,2,3-Trichloropropane	110	12.922	12.923	(0.920)	13794	4.68656	4.68656(Q)
103 Bromobenzene	156	12.971	12.963	(0.923)	134295	4.59516	4.59516
104 n-Propylbenzene	120	12.971	12.963	(0.923)	163153	4.70005	4.70005
106 2-Chlorotoluene	126	13.129	13.130	(0.935)	142243	4.69715	4.69715
105 1,3,5-Trimethylbenzene	105	13.119	13.120	(0.934)	456301	4.51118	4.51118
107 4-Chlorotoluene	126	13.237	13.239	(0.942)	138264	4.80072	4.80072
108 tert-Butylbenzene	119	13.523	13.515	(0.963)	407833	4.54701	4.54701
109 1,2,4-Trimethylbenzene	105	13.563	13.564	(0.966)	436082	4.41859	4.41859
110 sec-Butylbenzene	134	13.770	13.761	(0.980)	129826	4.69386	4.69386
111 4-Isopropyltoluene	119	13.898	13.899	(0.989)	517906	4.53264	4.53264
112 1,3-Dichlorobenzene	146	13.987	13.978	(0.996)	259683	4.59800	4.59800
114 1,4-dichlorobenzene	146	14.075	14.077	(1.002)	252763	4.57771	4.57771
116 n-Butylbenzene	91	14.401	14.402	(1.025)	548386	4.64670	4.64670
117 1,2-Dichlorobenzene	146	14.559	14.560	(1.037)	198653	4.59307	4.59307
118 1,2-Dibromo-3-chloropropane	157	15.564	15.566	(1.108)	8481	4.41904	4.41904
120 1,2,4-Trichlorobenzene	180	16.787	16.789	(1.195)	137580	4.42339	4.42339
121 Hexachlorobutadiene	225	16.984	16.986	(1.209)	126302	4.29073	4.29073
122 Naphthalene	128	17.251	17.252	(1.228)	122884	4.28570	4.28570

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
123 1,2,3-Trichlorobenzene	180	17.655	17.657	(1.257)	103194	4.44656	4.44656

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6862.D

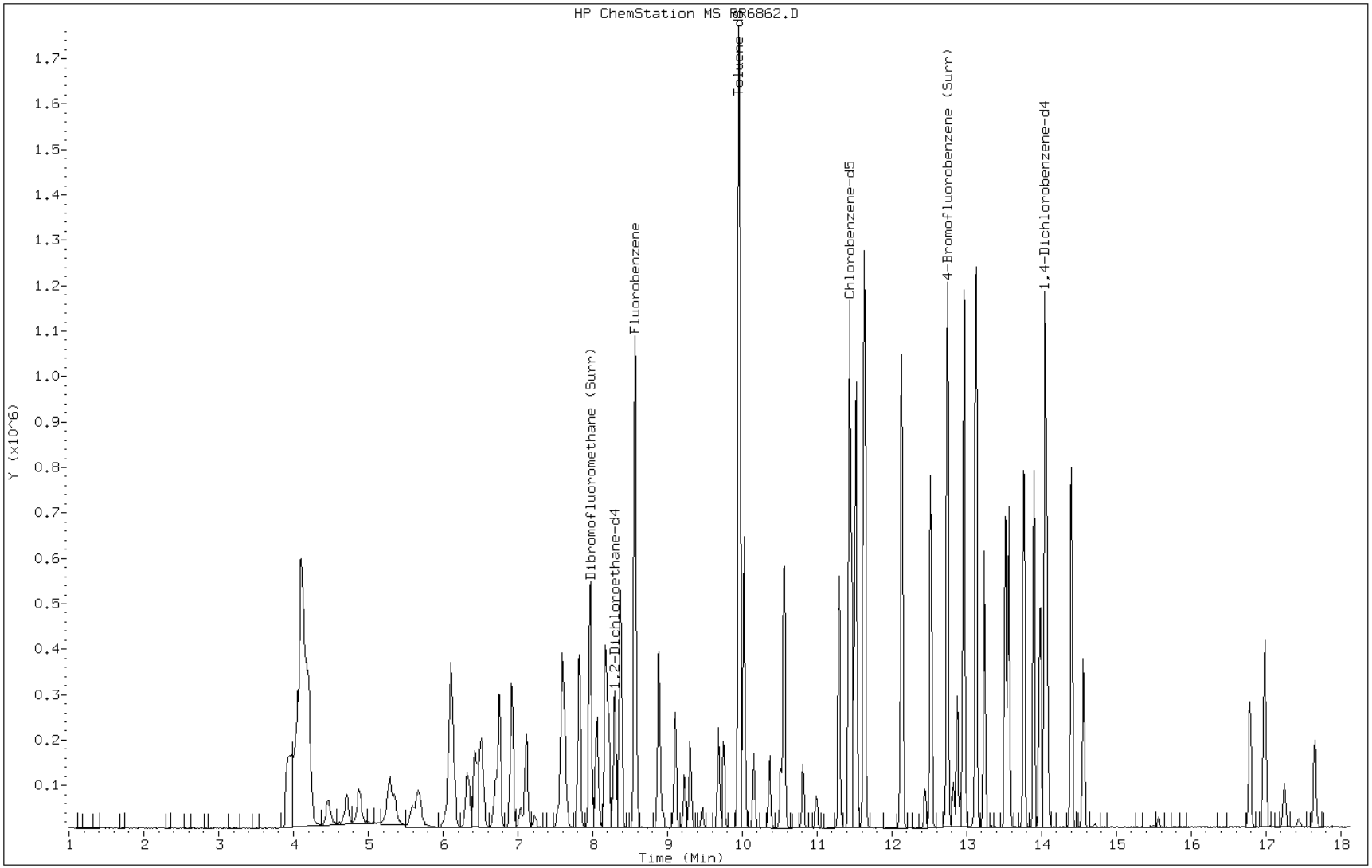
Date: 02-JUL-2012 08:34

Client ID:

Instrument: R2.i

Sample Info: LCS,,2.5uL

Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-126520/6

Matrix: Water | Lab File ID: RR6924.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 07:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	4.20		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	4.14		1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	4.42		3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	4.08		1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	4.54		1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	4.07		1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	3.94	J	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	4.04		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	4.54		1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	4.58		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	4.26		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	4.17		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	4.42		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	4.70		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.48		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	4.37		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	4.08		1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	25.4		6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	4.46		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	4.36		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	4.34		1.0	0.40	0.20
591-78-6	2-Hexanone	19.3		5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	19.7		5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	4.11		1.0	0.40	0.17
71-43-2	Benzene	4.30		1.0	0.20	0.16
67-64-1	Acetone	25.3		10	6.4	1.9
108-86-1	Bromobenzene	4.47		1.0	0.20	0.17
75-25-2	Bromoform	4.40		1.0	0.40	0.19
74-83-9	Bromomethane	4.66		2.0	0.40	0.21
56-23-5	Carbon tetrachloride	4.16		2.0	0.40	0.19
75-15-0	Carbon disulfide	4.47		2.0	0.80	0.45
95-49-8	2-Chlorotoluene	4.38		1.0	0.40	0.17
106-43-4	4-Chlorotoluene	4.45		1.0	0.40	0.17
108-90-7	Chlorobenzene	4.36		1.0	0.20	0.17
74-97-5	Chlorobromomethane	4.47		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.34		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-126520/6

Matrix: Water | Lab File ID: RR6924.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 07:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	4.14		1.0	0.20	0.16
75-00-3	Chloroethane	4.28		2.0	1.6	0.41
74-87-3	Chloromethane	4.41		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	4.51		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	4.19		1.0	0.20	0.16
74-95-3	Dibromomethane	4.63		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	4.21		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	4.65		2.0	0.80	0.31
100-41-4	Ethylbenzene	4.39		1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	4.02		1.0	0.40	0.36
98-82-8	Isopropylbenzene	4.16		1.0	0.40	0.19
106-93-4	Ethylene Dibromide	4.48		1.0	0.20	0.18
75-09-2	Methylene Chloride	4.92	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	4.15	J	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	8.87		2.0	0.80	0.34
91-20-3	Naphthalene	3.66		1.0	0.80	0.22
104-51-8	n-Butylbenzene	4.27		1.0	0.40	0.32
103-65-1	N-Propylbenzene	4.27		1.0	0.20	0.16
95-47-6	o-Xylene	4.41		1.0	0.40	0.19
100-42-5	Styrene	4.27		1.0	0.40	0.17
135-98-8	sec-Butylbenzene	4.39		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.11		1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	4.57		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	4.28		1.0	0.40	0.19
127-18-4	Tetrachloroethene	4.48		1.0	0.40	0.20
108-88-3	Toluene	4.43		1.0	0.40	0.17
79-01-6	Trichloroethene	4.33		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	5.07		2.0	0.80	0.29
75-01-4	Vinyl chloride	4.28		1.5	0.80	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-126520/6

Matrix: Water Lab File ID: RR6924.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/03/2012 07:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126520 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		70-120
460-00-4	4-Bromofluorobenzene (Surr)	90		75-120
1868-53-7	Dibromofluoromethane (Surr)	100		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6924.D
Lab Smp Id: LCS
Inj Date : 03-JUL-2012 07:43
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : LCS,,2.5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 08:09 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: lcs-DOD+.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

							CONCENTRATIONS	
		QUANT SIG					ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
*	62 Fluorobenzene	96	8.561	8.562	(1.000)	1040621	12.5000	
*	88 Chlorobenzene-d5	119	11.430	11.431	(1.000)	219210	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.044	14.044	(1.000)	351266	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.959	7.960	(0.930)	400068	11.2680	11.2680
$	58 1,2-Dichloroethane-d4	65	8.285	8.285	(0.968)	246227	10.4076	10.4076
$	76 Toluene-d8	98	9.951	9.952	(0.871)	1228288	11.4635	11.4634
$	99 4-Bromofluorobenzene (Surr)	95	12.742	12.743	(0.907)	373274	10.1398	10.1398
M	2 1,2-Dichloroethene (total)	96				262642	9.08712	9.08712
M	3 Xylene (total)	106				549927	13.2792	13.2792
	7 dichlorodifluoromethane	85	4.449	4.449	(0.520)	133592	4.65350	4.65350
	9 Chloromethane	50	4.695	4.695	(0.548)	108924	4.40685	4.40685
	10 Vinyl Chloride	62	4.873	4.873	(0.569)	113642	4.27704	4.27704
	12 Bromomethane	94	5.277	5.278	(0.616)	115843	4.65999	4.65999
	13 Chloroethane	64	5.336	5.336	(0.623)	73503	4.27991	4.27991
	15 Trichlorofluoromethane	101	5.662	5.662	(0.661)	227684	5.06617	5.06617
	24 Acetone	43	6.076	6.096	(0.710)	56577	25.2657	25.2657
	25 1,1-Dichloroethene	96	6.135	6.106	(0.717)	126711	4.53862	4.53862
	30 Carbon Disulfide	76	6.411	6.422	(0.749)	504712	4.47119	4.47119
	31 tert-Butyl alcohol	59	6.460	6.461	(0.755)	46399	92.3100	92.3100
	32 Methylene Chloride	84	6.500	6.510	(0.759)	120672	4.92484	4.92484
	33 Acrylonitrile	53	6.687	6.688	(0.781)	132078	59.2000	59.2000
	34 Methyl t-butyl ether	73	6.687	6.698	(0.781)	116438	4.15492	4.15492(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
35	trans-1,2-Dichloroethene	96	6.746	6.747	(0.788)	137732	4.57482	4.57482
37	Vinyl acetate	43	7.022	7.033	(0.820)	77421	3.75195	3.75195
39	1,1-Dichloroethane	63	7.101	7.112	(0.830)	226446	4.54267	4.54267
43	2-Butanone	43	7.525	7.526	(0.879)	74105	25.4443	25.4443
44	2-Butanol	45	7.565	7.575	(0.884)	54893	126.070	126.070
45	cis-1,2-Dichloroethene	96	7.584	7.585	(0.886)	124910	4.51230	4.51230
47	2,2-Dichloropropane	77	7.614	7.615	(0.889)	174177	4.34154	4.34154(a)
49	Bromochloromethane	128	7.801	7.812	(0.911)	46739	4.47096	4.47096
50	Chloroform	83	7.811	7.822	(0.912)	204503	4.13863	4.13863
54	1,1,1-Trichloroethane	97	8.048	8.049	(0.940)	188418	4.14304	4.14304
56	1,1-Dichloropropene	75	8.156	8.167	(0.953)	165846	4.03680	4.03680
57	Carbon Tetrachloride	117	8.206	8.206	(0.959)	178410	4.16394	4.16394
60	1,2-Dichloroethane	62	8.354	8.354	(0.976)	94828	4.69876	4.69876
61	Benzene	78	8.364	8.364	(0.977)	416337	4.30018	4.30018
64	Trichloroethene	95	8.876	8.877	(1.037)	126597	4.33142	4.33142
65	2-Pentanone	43	8.935	8.936	(1.044)	40391	7.63984	7.63984
68	1,2-Dichloropropane	63	9.093	9.094	(1.062)	90703	4.36212	4.36212
70	Dibromomethane	93	9.221	9.222	(1.077)	45884	4.63383	4.63383
71	Bromodichloromethane	83	9.300	9.301	(1.086)	116394	4.21151	4.21151
74	cis-1,3-Dichloropropene	75	9.685	9.685	(1.131)	116599	4.18964	4.18964
75	4-Methyl-2-pentanone	43	9.744	9.745	(1.138)	127357	19.7108	19.7108
77	Toluene	91	10.020	10.021	(1.170)	428371	4.43324	4.43324
79	trans-1,3-Dichloropropene	75	10.148	10.159	(1.185)	84688	4.27758	4.27758
80	1,1,2-Trichloroethane	97	10.365	10.366	(1.211)	46572	4.57940	4.57940
81	2-Hexanone	43	10.513	10.514	(0.920)	84800	19.3085	19.3084
82	1,3-Dichloropropane	76	10.543	10.543	(0.922)	82211	4.37205	4.37205
83	Tetrachloroethene	164	10.563	10.563	(0.924)	121361	4.47957	4.47957
84	Dibromochloromethane	129	10.809	10.810	(0.946)	72402	4.34260	4.34260
86	1,2-Dibromoethane	107	10.987	10.987	(0.961)	49930	4.47561	4.47561
89	Chlorobenzene	112	11.470	11.470	(1.003)	276523	4.35540	4.35540
90	1,1,1,2-Tetrachloroethane	131	11.519	11.520	(1.008)	89383	4.20210	4.20210
91	Ethylbenzene	106	11.519	11.520	(1.008)	153224	4.39030	4.39030
92	m and p-Xylene	106	11.628	11.628	(1.017)	379794	8.87322	8.87322
93	o-Xylene	106	12.131	12.131	(1.061)	170133	4.40593	4.40593
94	Styrene	104	12.131	12.131	(1.061)	240254	4.26744	4.26744
95	Bromoform	173	12.446	12.437	(1.089)	41119	4.40218	4.40218
96	isopropyl benzene	105	12.515	12.516	(0.891)	490587	4.15908	4.15908
100	1,1,2,2-Tetrachloroethane	83	12.821	12.821	(0.913)	49597	4.25836	4.25836
102	1,2,3-Trichloropropane	110	12.919	12.920	(0.920)	12094	4.42427	4.42426(Q)
103	Bromobenzene	156	12.969	12.969	(0.923)	121253	4.46726	4.46726
104	n-Propylbenzene	120	12.969	12.959	(0.923)	137741	4.27246	4.27246
106	2-Chlorotoluene	126	13.126	13.127	(0.935)	123213	4.38094	4.38094
105	1,3,5-Trimethylbenzene	105	13.117	13.117	(0.934)	383691	4.08440	4.08440
107	4-Chlorotoluene	126	13.235	13.236	(0.942)	119030	4.45001	4.45001
108	tert-Butylbenzene	119	13.521	13.512	(0.963)	342059	4.10631	4.10631
109	1,2,4-Trimethylbenzene	105	13.560	13.561	(0.966)	382397	4.17193	4.17193
110	sec-Butylbenzene	134	13.767	13.768	(0.980)	112757	4.38954	4.38954
111	4-Isopropyltoluene	119	13.896	13.896	(0.989)	435687	4.10566	4.10566
112	1,3-Dichlorobenzene	146	13.984	13.985	(0.996)	234894	4.47821	4.47821
114	1,4-dichlorobenzene	146	14.073	14.074	(1.002)	228539	4.45659	4.45659
116	n-Butylbenzene	91	14.399	14.399	(1.025)	468034	4.27015	4.27015
117	1,2-Dichlorobenzene	146	14.556	14.557	(1.037)	177377	4.41583	4.41583
118	1,2-Dibromo-3-chloropropane	157	15.562	15.563	(1.108)	7018	3.93732	3.93732
120	1,2,4-Trichlorobenzene	180	16.785	16.786	(1.195)	117710	4.07494	4.07494

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
121 Hexachlorobutadiene	225	16.992	16.983	(1.210)	109787	4.01587	4.01587
122 Naphthalene	128	17.248	17.249	(1.228)	97527	3.66234	3.66234
123 1,2,3-Trichlorobenzene	180	17.653	17.653	(1.257)	87984	4.08207	4.08207

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6924.D

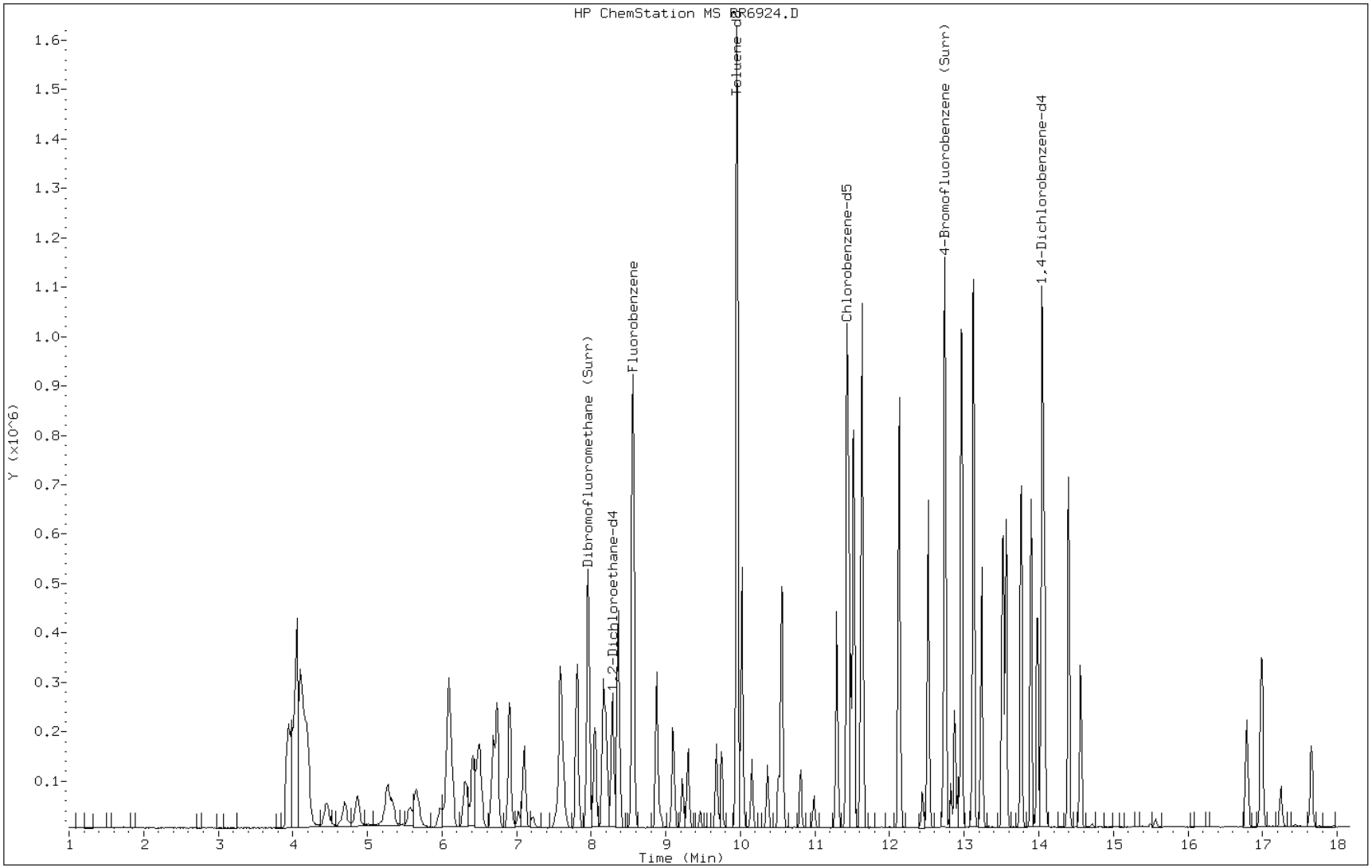
Date: 03-JUL-2012 07:43

Client ID:

Instrument: R2.i

Sample Info: LCS,,2.5uL

Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-126520/7

Matrix: Water | Lab File ID: RR6925.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 08:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	4.13		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	3.85		1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	4.50		3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	4.11		1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	4.34		1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	4.15		1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	4.09	J	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	4.00		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	4.35		1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	4.45		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	4.34		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	4.07		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	4.07		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	4.50		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.42		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	4.47		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	4.08		1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	26.5		6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	4.37		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	4.46		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	4.14		1.0	0.40	0.20
591-78-6	2-Hexanone	19.7		5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	20.2		5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	4.01		1.0	0.40	0.17
71-43-2	Benzene	4.25		1.0	0.20	0.16
67-64-1	Acetone	23.2		10	6.4	1.9
108-86-1	Bromobenzene	4.42		1.0	0.20	0.17
75-25-2	Bromoform	4.36		1.0	0.40	0.19
74-83-9	Bromomethane	4.54		2.0	0.40	0.21
56-23-5	Carbon tetrachloride	4.00		2.0	0.40	0.19
75-15-0	Carbon disulfide	4.45		2.0	0.80	0.45
95-49-8	2-Chlorotoluene	4.28		1.0	0.40	0.17
106-43-4	4-Chlorotoluene	4.44		1.0	0.40	0.17
108-90-7	Chlorobenzene	4.32		1.0	0.20	0.17
74-97-5	Chlorobromomethane	4.33		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.33		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30335-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-126520/7

Matrix: Water | Lab File ID: RR6925.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 08:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	4.11		1.0	0.20	0.16
75-00-3	Chloroethane	4.00		2.0	1.6	0.41
74-87-3	Chloromethane	4.27		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	4.37		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	4.09		1.0	0.20	0.16
74-95-3	Dibromomethane	4.63		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	4.20		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	4.39		2.0	0.80	0.31
100-41-4	Ethylbenzene	4.34		1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	4.02		1.0	0.40	0.36
98-82-8	Isopropylbenzene	4.02		1.0	0.40	0.19
106-93-4	Ethylene Dibromide	4.51		1.0	0.20	0.18
75-09-2	Methylene Chloride	4.79	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	4.06	J	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	8.87		2.0	0.80	0.34
91-20-3	Naphthalene	3.82		1.0	0.80	0.22
104-51-8	n-Butylbenzene	4.12		1.0	0.40	0.32
103-65-1	N-Propylbenzene	4.23		1.0	0.20	0.16
95-47-6	o-Xylene	4.30		1.0	0.40	0.19
100-42-5	Styrene	4.20		1.0	0.40	0.17
135-98-8	sec-Butylbenzene	4.05		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.07		1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	4.37		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	4.18		1.0	0.40	0.19
127-18-4	Tetrachloroethene	4.42		1.0	0.40	0.20
108-88-3	Toluene	4.31		1.0	0.40	0.17
79-01-6	Trichloroethene	4.25		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	4.79		2.0	0.80	0.29
75-01-4	Vinyl chloride	3.92		1.5	0.80	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 280-126520/7

Matrix: Water Lab File ID: RR6925.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/03/2012 08:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126520 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		70-120
460-00-4	4-Bromofluorobenzene (Surr)	87		75-120
1868-53-7	Dibromofluoromethane (Surr)	94		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6925.D
Lab Smp Id: LCSD
Inj Date : 03-JUL-2012 08:05
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : LCSD,,2.5uL
Misc Info : RR6924.D
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 08:09 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: lcs-DOD+.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	8.566	8.562	(1.000)	1094820	12.5000	
* 88 Chlorobenzene-d5	119	11.436	11.431	(1.000)	221177	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.049	14.044	(1.000)	358518	12.5000	
$ 52 Dibromofluoromethane (Surr)	111	7.965	7.960	(0.930)	398486	10.5677	10.5677
$ 58 1,2-Dichloroethane-d4	65	8.290	8.285	(0.968)	241659	9.61530	9.61530
$ 76 Toluene-d8	98	9.957	9.952	(0.871)	1253644	11.6248	11.6248
$ 99 4-Bromofluorobenzene (Surr)	95	12.737	12.743	(0.907)	369859	9.77992	9.77992
M 2 1,2-Dichloroethene (total)	96				265522	8.73453	8.73453
M 3 Xylene (total)	106				550889	13.1772	13.1772
7 dichlorodifluoromethane	85	4.464	4.449	(0.521)	132679	4.39290	4.39290
9 Chloromethane	50	4.710	4.695	(0.550)	111121	4.27317	4.27317
10 Vinyl Chloride	62	4.878	4.873	(0.569)	109557	3.91917	3.91917
12 Bromomethane	94	5.282	5.278	(0.617)	118762	4.54091	4.54091
13 Chloroethane	64	5.342	5.336	(0.624)	72335	4.00339	4.00339
15 Trichlorofluoromethane	101	5.677	5.662	(0.663)	226434	4.78894	4.78894
24 Acetone	43	6.091	6.096	(0.711)	55686	23.1799	23.1799
25 1,1-Dichloroethene	96	6.130	6.106	(0.716)	127846	4.35258	4.35258
30 Carbon Disulfide	76	6.416	6.422	(0.749)	527935	4.44539	4.44539
31 tert-Butyl alcohol	59	6.466	6.461	(0.755)	51406	97.2084	97.2084
32 Methylene Chloride	84	6.515	6.510	(0.761)	123896	4.78631	4.78631
33 Acrylonitrile	53	6.693	6.688	(0.781)	131824	56.1611	56.1611
34 Methyl t-butyl ether	73	6.693	6.698	(0.781)	119766	4.06211	4.06211(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
35	trans-1,2-Dichloroethene	96	6.742	6.747	(0.787)	138319	4.36687	4.36687
37	Vinyl acetate	43	7.028	7.033	(0.820)	87219	4.01753	4.01753
39	1,1-Dichloroethane	63	7.107	7.112	(0.830)	227759	4.34282	4.34282
43	2-Butanone	43	7.531	7.526	(0.879)	81106	26.4695	26.4695
44	2-Butanol	45	7.570	7.575	(0.884)	61241	133.687	133.686
45	cis-1,2-Dichloroethene	96	7.590	7.585	(0.886)	127203	4.36765	4.36765
47	2,2-Dichloropropane	77	7.619	7.615	(0.889)	174715	4.13936	4.13936(a)
49	Bromochloromethane	128	7.807	7.812	(0.911)	47576	4.32573	4.32573
50	Chloroform	83	7.817	7.822	(0.913)	213892	4.11435	4.11435
54	1,1,1-Trichloroethane	97	8.053	8.049	(0.940)	184287	3.85160	3.85160
56	1,1-Dichloropropene	75	8.162	8.167	(0.953)	172709	3.99574	3.99574
57	Carbon Tetrachloride	117	8.201	8.206	(0.957)	180285	3.99940	3.99940
60	1,2-Dichloroethane	62	8.359	8.354	(0.976)	95483	4.49700	4.49700
61	Benzene	78	8.369	8.364	(0.977)	433164	4.25249	4.25249
64	Trichloroethene	95	8.882	8.877	(1.037)	130772	4.25277	4.25277
65	2-Pentanone	43	8.931	8.936	(1.043)	44842	8.06185	8.06185
68	1,2-Dichloropropane	63	9.099	9.094	(1.062)	97491	4.45646	4.45646
70	Dibromomethane	93	9.227	9.222	(1.077)	48241	4.63068	4.63068
71	Bromodichloromethane	83	9.306	9.301	(1.086)	122105	4.19943	4.19943
74	cis-1,3-Dichloropropene	75	9.680	9.685	(1.130)	119815	4.09207	4.09207
75	4-Methyl-2-pentanone	43	9.750	9.745	(1.138)	137007	20.1546	20.1546
77	Toluene	91	10.016	10.021	(1.169)	437957	4.30806	4.30806
79	trans-1,3-Dichloropropene	75	10.154	10.159	(1.185)	87056	4.17951	4.17951
80	1,1,2-Trichloroethane	97	10.361	10.366	(1.210)	47629	4.45149	4.45148
81	2-Hexanone	43	10.509	10.514	(0.919)	87351	19.7124	19.7124
82	1,3-Dichloropropane	76	10.548	10.543	(0.922)	84722	4.46551	4.46551
83	Tetrachloroethene	164	10.558	10.563	(0.923)	120688	4.41511	4.41511
84	Dibromochloromethane	129	10.805	10.810	(0.945)	72921	4.33483	4.33483
86	1,2-Dibromoethane	107	10.992	10.987	(0.961)	50723	4.50626	4.50626
89	Chlorobenzene	112	11.465	11.470	(1.003)	276860	4.32193	4.32192
90	1,1,1,2-Tetrachloroethane	131	11.515	11.520	(1.007)	88703	4.13304	4.13304
91	Ethylbenzene	106	11.515	11.520	(1.007)	152897	4.34197	4.34197
92	m and p-Xylene	106	11.633	11.628	(1.017)	383200	8.87318	8.87318
93	o-Xylene	106	12.126	12.131	(1.060)	167689	4.30402	4.30402
94	Styrene	104	12.136	12.131	(1.061)	238557	4.19961	4.19961
95	Bromoform	173	12.442	12.437	(1.088)	41093	4.36027	4.36027
96	isopropyl benzene	105	12.521	12.516	(0.891)	484015	4.02036	4.02036
100	1,1,2,2-Tetrachloroethane	83	12.816	12.821	(0.912)	51582	4.33920	4.33920
102	1,2,3-Trichloropropane	110	12.925	12.920	(0.920)	12559	4.50144	4.50144(Q)
103	Bromobenzene	156	12.964	12.969	(0.923)	122464	4.42061	4.42061
104	n-Propylbenzene	120	12.964	12.959	(0.923)	139230	4.23129	4.23129
106	2-Chlorotoluene	126	13.132	13.127	(0.935)	122979	4.28417	4.28417
105	1,3,5-Trimethylbenzene	105	13.122	13.117	(0.934)	390966	4.07766	4.07766
107	4-Chlorotoluene	126	13.240	13.236	(0.942)	121086	4.43531	4.43531
108	tert-Butylbenzene	119	13.517	13.512	(0.962)	345735	4.06648	4.06648
109	1,2,4-Trimethylbenzene	105	13.566	13.561	(0.966)	380386	4.06605	4.06604
110	sec-Butylbenzene	134	13.763	13.768	(0.980)	106089	4.04642	4.04642
111	4-Isopropyltoluene	119	13.901	13.896	(0.989)	434814	4.01455	4.01455
112	1,3-Dichlorobenzene	146	13.980	13.985	(0.995)	236785	4.42295	4.42295
114	1,4-dichlorobenzene	146	14.079	14.074	(1.002)	228869	4.37275	4.37275
116	n-Butylbenzene	91	14.394	14.399	(1.025)	460645	4.11772	4.11772
117	1,2-Dichlorobenzene	146	14.562	14.557	(1.036)	166895	4.07084	4.07084
118	1,2-Dibromo-3-chloropropane	157	15.568	15.563	(1.108)	7449	4.09459	4.09459
120	1,2,4-Trichlorobenzene	180	16.790	16.786	(1.195)	122437	4.15284	4.15284

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
121 Hexachlorobutadiene	225	16.988	16.983	(1.209)	112241	4.02258	4.02258
122 Naphthalene	128	17.254	17.249	(1.228)	103727	3.81637	3.81637
123 1,2,3-Trichlorobenzene	180	17.658	17.653	(1.257)	90422	4.11033	4.11033

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6925.D

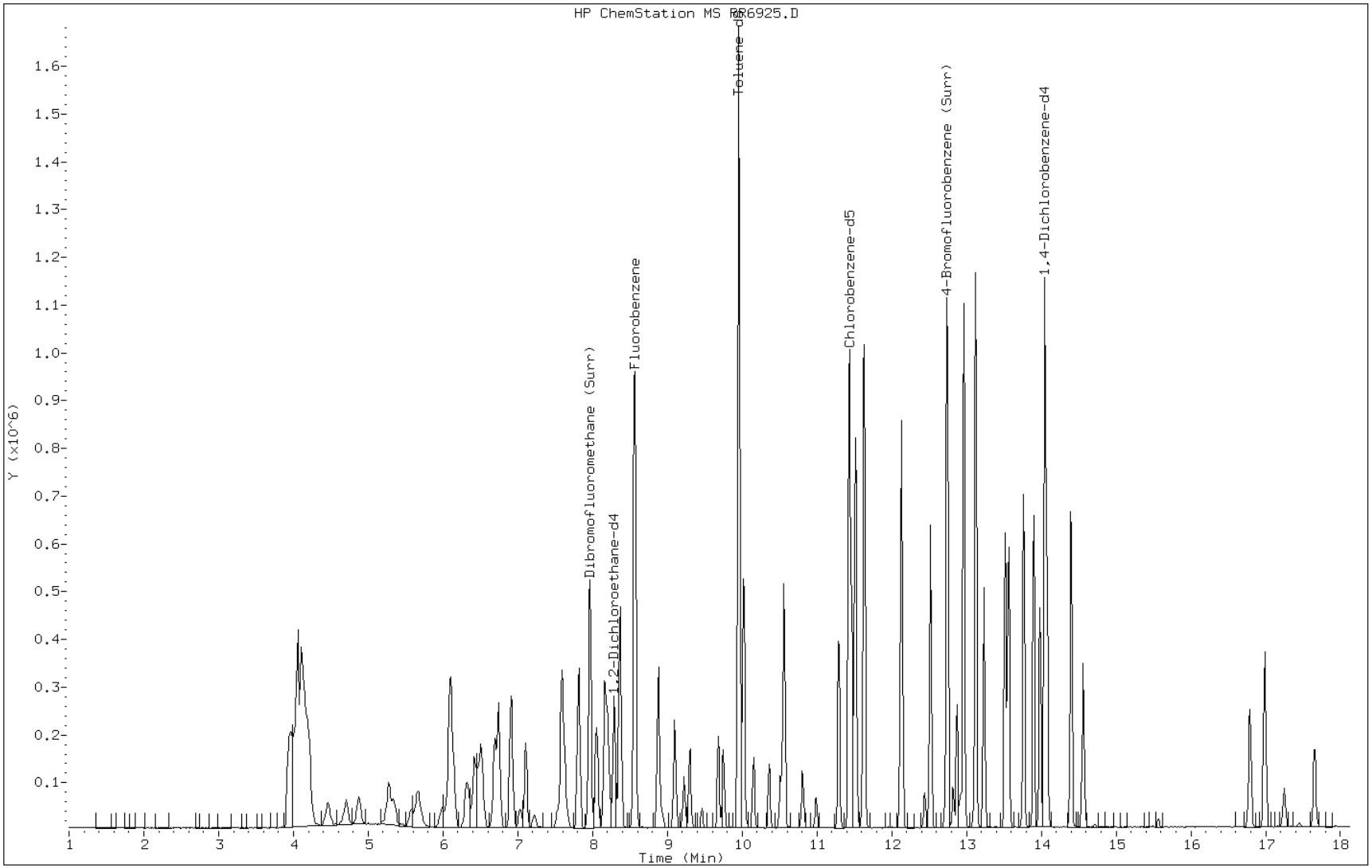
Date: 03-JUL-2012 08:05

Client ID:

Instrument: R2.i

Sample Info: LCSD,,2.5uL

Operator: DOBRANSKYM



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 06/14/2012 06:38

Analysis Batch Number: 124040 End Date: 06/14/2012 18:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-124040/1		06/14/2012 06:38	1	RR6351.D	DB-624 (60.25) 0.25(mm)
CCV 280-124040/2		06/14/2012 07:10	1		DB-624 (60.25) 0.25(mm)
IC 280-124040/3		06/14/2012 07:32	1	RR6354.D	DB-624 (60.25) 0.25(mm)
IC 280-124040/4		06/14/2012 07:54	1	RR6355.D	DB-624 (60.25) 0.25(mm)
IC 280-124040/5		06/14/2012 08:17	1	RR6356.D	DB-624 (60.25) 0.25(mm)
ICIS 280-124040/6		06/14/2012 08:39	1	RR6357.D	DB-624 (60.25) 0.25(mm)
IC 280-124040/7		06/14/2012 09:01	1	RR6358.D	DB-624 (60.25) 0.25(mm)
IC 280-124040/8		06/14/2012 09:23	1	RR6359.D	DB-624 (60.25) 0.25(mm)
ICV 280-124040/9		06/14/2012 09:46	1	RR6360.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 10:08	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 10:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 10:53	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 11:16	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 11:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 12:01	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 12:23	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 12:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 13:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 13:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 13:54	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 14:16	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 14:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 15:02	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 15:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 15:47	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 16:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 16:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 16:55	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 17:17	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 17:40	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 18:03	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 06/15/2012 06:43

Analysis Batch Number: 124226 End Date: 06/15/2012 17:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-124226/1		06/15/2012 06:43	1	RR6385.D	DB-624 (60.25) 0.25(mm)
CCV 280-124226/2		06/15/2012 07:15	1		DB-624 (60.25) 0.25(mm)
IC 280-124226/3		06/15/2012 07:37	1	RR6388.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/4		06/15/2012 08:00	1	RR6389.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/5		06/15/2012 08:22	1	RR6390.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/6		06/15/2012 08:45	1	RR6391.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/7		06/15/2012 09:07	1	RR6392.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/8		06/15/2012 09:30	1	RR6393.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/9		06/15/2012 09:52	1	RR6394.D	DB-624 (60.25) 0.25(mm)
ICV 280-124226/10		06/15/2012 10:15	1	RR6395.D	DB-624 (60.25) 0.25(mm)
ICV 280-124226/11		06/15/2012 10:37	1	RR6396.D	DB-624 (60.25) 0.25(mm)
ICV 280-124226/12		06/15/2012 11:00	1	RR6397.D	DB-624 (60.25) 0.25(mm)
ICV 280-124226/13		06/15/2012 11:22	1	RR6398.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 11:45	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 12:08	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 12:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 13:01	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 13:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 13:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 14:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 14:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 14:54	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 15:17	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 15:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 16:01	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 16:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 16:47	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 17:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 17:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 17:54	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 07/02/2012 06:11

Analysis Batch Number: 126338 End Date: 07/02/2012 18:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-126338/1		07/02/2012 06:11	1	RR6855.D	DB-624 (60.25) 0.25(mm)
CCV 280-126338/2		07/02/2012 06:43	1	RR6857.D	DB-624 (60.25) 0.25(mm)
CCV 280-126338/3		07/02/2012 07:27	1	RR6859.D	DB-624 (60.25) 0.25(mm)
CCV 280-126338/4		07/02/2012 07:49	1	RR6860.D	DB-624 (60.25) 0.25(mm)
CCV 280-126338/5		07/02/2012 08:11	1		DB-624 (60.25) 0.25(mm)
LCS 280-126338/6		07/02/2012 08:34	1	RR6862.D	DB-624 (60.25) 0.25(mm)
MB 280-126338/7		07/02/2012 08:56	1	RR6863.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 09:19	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 09:41	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 10:04	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 10:27	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 10:49	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 11:12	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 11:35	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 11:57	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 12:20	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 12:43	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 13:06	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 13:29	1		DB-624 (60.25) 0.25(mm)
280-30335-1	LF1P0213UA	07/02/2012 13:51	1	RR6876.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 14:14	1		DB-624 (60.25) 0.25(mm)
280-30335-6	062112UE	07/02/2012 14:37	1	RR6878.D	DB-624 (60.25) 0.25(mm)
280-30335-7	062112UF	07/02/2012 15:00	1	RR6879.D	DB-624 (60.25) 0.25(mm)
280-30335-8	062112UR	07/02/2012 15:23	1	RR6880.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 15:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 16:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 16:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 16:55	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 17:18	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 17:41	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 18:04	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 07/03/2012 05:40

Analysis Batch Number: 126520 End Date: 07/03/2012 17:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-126520/1		07/03/2012 05:40	1	RR6918.D	DB-624 (60.25) 0.25(mm)
CCV 280-126520/2		07/03/2012 06:13	1	RR6920.D	DB-624 (60.25) 0.25(mm)
CCV 280-126520/3		07/03/2012 06:36	1	RR6921.D	DB-624 (60.25) 0.25(mm)
CCV 280-126520/4		07/03/2012 06:58	1	RR6922.D	DB-624 (60.25) 0.25(mm)
CCV 280-126520/5		07/03/2012 07:21	1		DB-624 (60.25) 0.25(mm)
LCS 280-126520/6		07/03/2012 07:43	1	RR6924.D	DB-624 (60.25) 0.25(mm)
LCSD 280-126520/7		07/03/2012 08:05	1	RR6925.D	DB-624 (60.25) 0.25(mm)
MB 280-126520/8		07/03/2012 08:29	1	RR6926.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 08:52	1		DB-624 (60.25) 0.25(mm)
280-30335-3	LF1M1111UA	07/03/2012 09:14	1	RR6928.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 09:37	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 10:00	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 10:22	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 10:45	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 11:08	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 11:30	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 11:53	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 12:16	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 12:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 13:02	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 13:25	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 13:47	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 14:10	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 14:33	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 14:55	2		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 15:18	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 15:41	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 16:03	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 16:26	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 16:49	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 17:11	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 17:34	1		DB-624 (60.25) 0.25(mm)

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG No.:

Project: Griffiss AFB LF1 LTM

Client Sample ID	Lab Sample ID
LF1P0213UA	280-30335-1
LF1P0317UA	280-30335-2
LF1M1111UA	280-30335-3
LF1M1316UA	280-30335-4
LF1M1316UC	280-30335-5
062112UE	280-30335-6

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1P0213UA
Lab Sample ID: 280-30335-1
Lab Name: TestAmerica Denver
Job No.: 280-30335-1
SDG ID.:
Matrix: Water
Date Sampled: 06/21/2012 11:49
Reporting Basis: WET
Date Received: 06/22/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.74	0.10	0.050	0.022	mg/L		J	1	350.1
Nitrogen, Kjeldahl	1.7	1.0	0.20	0.077	mg/L		J	1	351.2
Chemical Oxygen Demand	6.3	20	10	4.1	mg/L	J		1	410.4
Color	25	5.0	5.0	5.0	PCU			1	SM 2120B
Hardness as calcium carbonate	380	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.11	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	0.087	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	5.2	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.087	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	0.50	5.0	0.50	0.23	mg/L	U		1	9056A
Total Organic Carbon - Quad	2.0	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	430	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	410	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	4.8	5.0	1.5	0.59	mg/L	J		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1P0317UA
Lab Sample ID: 280-30335-2
Lab Name: TestAmerica Denver
Job No.: 280-30335-1
SDG ID.:
Matrix: Water
Date Sampled: 06/21/2012 10:49
Reporting Basis: WET
Date Received: 06/22/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.32	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	1.1	1.0	0.20	0.077	mg/L			1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	U		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	320	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.15	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	0.042	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	9.7	3.0	0.50	0.25	mg/L		J	1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.042	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	2.0	5.0	0.50	0.23	mg/L	J		1	9056A
Total Organic Carbon - Quad	0.48	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	370	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	370	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	3.0	2.5	0.75	0.30	mg/L			1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1M1111UA
Lab Sample ID: 280-30335-3
Lab Name: TestAmerica Denver
Job No.: 280-30335-1
SDG ID.:
Matrix: Water
Date Sampled: 06/21/2012 15:32
Reporting Basis: WET
Date Received: 06/22/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	1.4	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	3.0	1.0	0.20	0.077	mg/L			1	351.2
Chemical Oxygen Demand	9.7	20	10	4.1	mg/L	J		1	410.4
Color	25	5.0	5.0	5.0	PCU			1	SM 2120B
Hardness as calcium carbonate	470	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.15	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Chloride	8.4	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.22	1.0	0.10	0.060	mg/L	J		1	9056A
Nitrate Nitrite as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Orthophosphate as P	0.19	0.50	0.20	0.19	mg/L	J		1	9056A
Sulfate	0.50	5.0	0.50	0.23	mg/L	U		1	9056A
Total Organic Carbon - Quad	2.8	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	510	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	500	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	8.3	5.0	1.5	0.59	mg/L			1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1M1316UA
Lab Sample ID: 280-30335-4
Lab Name: TestAmerica Denver
Job No.: 280-30335-1
SDG ID.:
Matrix: Water
Date Sampled: 06/21/2012 15:15
Reporting Basis: WET
Date Received: 06/22/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.14	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	1.1	1.0	0.20	0.077	mg/L			1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	U		1	410.4
Color	45	5.0	5.0	5.0	PCU			1	SM 2120B
Hardness as calcium carbonate	190	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.13	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Chloride	14	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	6.7	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	2.2	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	200	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	220	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1M1316UC
Lab Sample ID: 280-30335-5
Lab Name: TestAmerica Denver
Job No.: 280-30335-1
SDG ID.:
Matrix: Water
Date Sampled: 06/21/2012 15:15
Reporting Basis: WET
Date Received: 06/22/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.21	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	1.4	1.0	0.20	0.077	mg/L			1	351.2
Chemical Oxygen Demand	8.6	20	10	4.1	mg/L	J		1	410.4
Color	50	5.0	5.0	5.0	PCU			1	SM 2120B
Hardness as calcium carbonate	180	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.13	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Chloride	14	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	6.9	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	2.0	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	200	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	220	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 062112UE
Lab Sample ID: 280-30335-6
Lab Name: TestAmerica Denver
Job No.: 280-30335-1
SDG ID.:
Matrix: Water
Date Sampled: 06/21/2012 16:15
Reporting Basis: WET
Date Received: 06/22/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.12	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	0.78	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	5.3	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	1.5	5.0	1.5	1.3	mg/L	U		1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Chloride	0.50	3.0	0.50	0.25	mg/L	U		1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	0.50	5.0	0.50	0.23	mg/L	U		1	9056A
Total Organic Carbon - Quad	0.37	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	2.0	5.0	2.0	1.1	mg/L	U		1	SM 2320B
Total Dissolved Solids	10	10	10	4.7	mg/L	U		1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Analyst: BQW Batch Start Date: 07/07/2012

Reporting Units: mg/L Analytical Batch No.: 126890

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
15	ICVL	10:37	Ammonia	1.90	2.00	95	90-110		NXN ICV INT_00148
16	ICV	10:38	Ammonia	4.90	5.00	98	90-110		NXN ICV INT_00148
17	ICB	10:40	Ammonia	0.050				U	
32	CCV	11:02	Ammonia	5.01	5.00	100	90-110		NXN CAL INT_00154
33	CCVL	11:04	Ammonia	1.00	1.00	100	90-110		NXN CAL INT_00154
34	CCB	11:05	Ammonia	0.050				U	
48	CCV	11:26	Ammonia	5.10	5.00	102	90-110		NXN CAL INT_00154
49	CCVL	11:28	Ammonia	1.01	1.00	101	90-110		NXN CAL INT_00154
50	CCB	11:29	Ammonia	0.050				U	
65	CCVL	11:52	Ammonia	1.00	1.00	100	90-110		NXN CAL INT_00154
66	CCB	11:53	Ammonia	0.050				U	
80	CCV	12:15	Ammonia	5.04	5.00	101	90-110		NXN CAL INT_00154
81	CCVL	12:16	Ammonia	1.01	1.00	101	90-110		NXN CAL INT_00154
82	CCB	12:18	Ammonia	0.050				U	
96	CCV	12:39	Ammonia	5.07	5.00	101	90-110		NXN CAL INT_00154
97	CCVL	12:40	Ammonia	0.998	1.00	100	90-110		NXN CAL INT_00154
98	CCB	12:42	Ammonia	0.050				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Analyst: MW Batch Start Date: 07/13/2012

Reporting Units: mg/L Analytical Batch No.: 127774

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
13	ICV	19:14	Nitrogen, Kjeldahl	9.57	9.92	96	90-110		TKN ICV_00003
14	ICB	19:15	Nitrogen, Kjeldahl	0.340				J	
21	CCV	19:24	Nitrogen, Kjeldahl	4.90	5.00	98	90-110		TKN 25ppm_00097
22	CCB	19:25	Nitrogen, Kjeldahl	0.363				J	
35	CCV	19:41	Nitrogen, Kjeldahl	4.92	5.00	98	90-110		TKN 25ppm_00097
36	CCB	19:43	Nitrogen, Kjeldahl	0.370				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Analyst: MF Batch Start Date: 06/26/2012

Reporting Units: mg/L Analytical Batch No.: 125624

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	11:37	Chemical Oxygen Demand	100	100	100	90-110		COD icv std_00009
2	ICB	11:37	Chemical Oxygen Demand	10				U	
16	CCV	11:37	Chemical Oxygen Demand	103	100	103	90-110		COD cal std_00014
17	CCB	11:37	Chemical Oxygen Demand	10				U	
23	CCV	11:37	Chemical Oxygen Demand	104	100	104	90-110		COD cal std_00014
24	CCB	11:37	Chemical Oxygen Demand	10				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Analyst: TLP Batch Start Date: 06/22/2012

Reporting Units: mg/L Analytical Batch No.: 125527

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	08:34	Nitrate as N	2.13	2.00	106	90-110		IC ICV daily_00821
			Nitrite as N	1.87	2.00	94	90-110		IC ICV daily_00821
			Orthophosphate as P	2.01	2.00	101	90-110		IC ICV daily_00821
2	ICB	08:55	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	
18	CCV	14:43	Nitrate as N	5.10	5.00	102	90-110		IC daily cal_00821
			Nitrite as N	4.90	5.00	98	90-110		IC daily cal_00821
			Orthophosphate as P	5.09	5.00	102	90-110		IC daily cal_00821
19	CCB	14:59	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Analyst: TLP Batch Start Date: 06/22/2012

Reporting Units: mg/L Analytical Batch No.: 125528

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	08:34	Bromide	2.00	2.00	100	90-110		IC ICV daily_00821
			Chloride	10.4	10.0	104	90-110		IC ICV daily_00821
			Fluoride	2.07	2.00	104	90-110		IC ICV daily_00821
			Sulfate	10.6	10.0	106	90-110		IC ICV daily_00821
2	ICB	08:55	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
18	CCV	14:43	Bromide	5.07	5.00	101	90-110		IC daily cal_00821
			Chloride	25.4	25.0	102	90-110		IC daily cal_00821
			Fluoride	5.13	5.00	103	90-110		IC daily cal_00821
			Sulfate	26.6	25.0	106	90-110		IC daily cal_00821
19	CCB	14:59	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Analyst: DFB Batch Start Date: 07/16/2012

Reporting Units: mg/L Analytical Batch No.: 128057

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	17:54	Total Organic Carbon - Quad	18.8	20.0	94	90-110		TOC ICV Std_00012
2	ICB	18:14	Total Organic Carbon - Quad	0.25				U	
28	CCV	01:54	Total Organic Carbon - Quad	24.4	25.0	97	90-110		TOC LCS Std_00013
29	CCB	02:13	Total Organic Carbon - Quad	0.25				U	
40	CCV	05:33	Total Organic Carbon - Quad	24.8	25.0	99	90-110		TOC LCS Std_00013
41	CCB	05:53	Total Organic Carbon - Quad	0.25				U	
52	CCV	08:55	Total Organic Carbon - Quad	24.8	25.0	99	90-110		TOC LCS Std_00013
53	CCB	09:14	Total Organic Carbon - Quad	0.209				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Analyst: BMG Batch Start Date: 06/26/2012

Reporting Units: mg/L Analytical Batch No.: 125734

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
29	CCV	10:47	Alkalinity	206	200	103	90-110		Alk daily lcs_00253
30	CCB	10:51	Alkalinity	2.0				U	
41	CCV	11:47	Alkalinity	207	200	103	90-110		Alk daily lcs_00253
42	CCB	11:51	Alkalinity	2.0				U	
53	CCV	12:48	Alkalinity	206	200	103	90-110		Alk daily lcs_00253
54	CCB	12:52	Alkalinity	2.0				U	
59	CCV	13:16	Alkalinity	209	200	104	90-110		Alk daily lcs_00253
60	CCB	13:20	Alkalinity	2.0				U	
70	CCV	14:06	Alkalinity	207	200	104	90-110		Alk daily lcs_00253
71	CCB	14:10	Alkalinity	2.0				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 126890	Date: 07/07/2012 11:17						
350.1	MB 280-126890/42	Ammonia	0.050	U	mg/L	0.10	1
Batch ID: 127774	Date: 07/13/2012 19:19	Prep Batch: 127380	Date: 07/11/2012 20:00				
351.2	MB 280-127380/3-A	Nitrogen, Kjeldahl	0.375	J	mg/L	1.0	1
Batch ID: 125624	Date: 06/26/2012 11:37						
410.4	MB 280-125624/5	Chemical Oxygen Demand	10	U	mg/L	20	1
Batch ID: 125527	Date: 06/22/2012 10:33						
9056A	MB 280-125527/7	Nitrate as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125527/7	Nitrite as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125527/7	Nitrate Nitrite as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125527/7	Orthophosphate as P	0.20	U	mg/L	0.50	1
Batch ID: 125528	Date: 06/22/2012 10:33						
9056A	MB 280-125528/7	Bromide	0.20	U	mg/L	0.50	1
9056A	MB 280-125528/7	Chloride	0.50	U	mg/L	3.0	1
9056A	MB 280-125528/7	Fluoride	0.10	U	mg/L	1.0	1
9056A	MB 280-125528/7	Sulfate	0.50	U	mg/L	5.0	1
Batch ID: 128057	Date: 07/17/2012 03:45						
9060A	MB 280-128057/34	Total Organic Carbon - Quad	0.40	U	mg/L	1.0	1
Batch ID: 126227	Date: 06/22/2012 13:00						
SM 2120B	MB 280-126227/1	Color	5.0	U	PCU	5.0	1
Batch ID: 125734	Date: 06/26/2012 11:05						
SM 2320B	MB 280-125734/33	Alkalinity	2.0	U	mg/L	5.0	1
Batch ID: 125734	Date: 06/26/2012 13:34						
SM 2320B	MB 280-125734/63	Alkalinity	2.0	U	mg/L	5.0	1
Batch ID: 128017	Date: 07/17/2012 09:02						
SM 2340C	MB 280-128017/1	Hardness as calcium carbonate	1.5	U	mg/L	5.0	1
Batch ID: 125751	Date: 06/27/2012 08:19						
SM 2540C	MB 280-125751/1	Total Dissolved Solids	10	U	mg/L	10	1
Batch ID: 125222	Date: 06/22/2012 11:55						
SM5210B	MB 280-125222/6	Biochemical Oxygen Demand	0.60	U	mg/L	2.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126890	Date: 07/07/2012 12:04										
350.1	280-30335-1	Ammonia	0.74		mg/L						J
350.1	280-30335-1 MS	Ammonia	2.60		mg/L	4.00	46	90-110			J
Batch ID: 127774	Date: 07/13/2012 19:21	Prep Batch: 127380	Date: 07/11/2012 20:00								
351.2	280-30335-1	Nitrogen, Kjeldahl	1.7		mg/L						J
351.2	280-30335-1 MS	Nitrogen, Kjeldahl	4.21		mg/L	3.00	84	90-110			J
Batch ID: 125624	Date: 06/26/2012 11:37										
410.4	280-30335-1	Chemical Oxygen Demand	6.3	J	mg/L						
410.4	280-30335-1 MS	Chemical Oxygen Demand	56.1		mg/L	50.0	100	90-110			
Batch ID: 125527	Date: 06/22/2012 12:45										
9056A	280-30335-2	Nitrate as N	0.042	J	mg/L						
9056A	280-30335-2 MS	Nitrate as N	5.40		mg/L	5.00	107	87-110			
9056A	280-30335-2	Nitrite as N	0.10	U	mg/L						
9056A	280-30335-2 MS	Nitrite as N	5.04		mg/L	5.00	101	87-112			
9056A	280-30335-2	Orthophosphate as P	0.20	U	mg/L						
9056A	280-30335-2 MS	Orthophosphate as P	5.44		mg/L	5.00	109	80-120			
Batch ID: 125528	Date: 06/22/2012 12:45										
9056A	280-30335-2	Bromide	0.15	J	mg/L						
9056A	280-30335-2 MS	Bromide	5.50		mg/L	5.00	107	86-110			
9056A	280-30335-2	Chloride	9.7		mg/L						J
9056A	280-30335-2 MS	Chloride	37.2		mg/L	25.0	110	89-110			
9056A	280-30335-2	Fluoride	0.10	U	mg/L						
9056A	280-30335-2 MS	Fluoride	5.12		mg/L	5.00	102	88-111			
9056A	280-30335-2	Sulfate	2.0	J	mg/L						
9056A	280-30335-2 MS	Sulfate	28.8		mg/L	25.0	107	86-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126890	Date: 07/07/2012 12:06										
350.1	280-30335-1 MSD	Ammonia	2.58		mg/L	4.00	46	90-110	1	20	J
Batch ID: 127774	Date: 07/13/2012 19:23	Prep Batch: 127380			Date: 07/11/2012 20:00						
351.2	280-30335-1 MSD	Nitrogen, Kjeldahl	4.26		mg/L	3.00	86	90-110	1	25	J
Batch ID: 125624	Date: 06/26/2012 11:37										
410.4	280-30335-1 MSD	Chemical Oxygen Demand	52.0		mg/L	50.0	91	90-110	7	11	
Batch ID: 125527	Date: 06/22/2012 13:02										
9056A	280-30335-2 MSD	Nitrate as N	5.45		mg/L	5.00	108	87-110	1	10	
9056A	280-30335-2 MSD	Nitrite as N	5.07		mg/L	5.00	101	87-112	1	10	
9056A	280-30335-2 MSD	Orthophosphate as P	5.68		mg/L	5.00	114	80-120	4	20	
Batch ID: 125528	Date: 06/22/2012 13:02										
9056A	280-30335-2 MSD	Bromide	5.56		mg/L	5.00	108	86-110	1	10	
9056A	280-30335-2 MSD	Chloride	37.5		mg/L	25.0	111	89-110	1	10	J
9056A	280-30335-2 MSD	Fluoride	5.19		mg/L	5.00	104	88-111	1	10	
9056A	280-30335-2 MSD	Sulfate	29.1		mg/L	25.0	108	86-110	1	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 125527 Date: 06/22/2012 12:28								
9056A	LF1P0317UA	280-30335-2	Nitrate as N	0.042	mg/L			J
9056A	LF1P0317UA	280-30335-2 DU	Nitrate as N	0.10	mg/L	NC	15	U
9056A	LF1P0317UA	280-30335-2	Nitrite as N	0.10	mg/L			U
9056A	LF1P0317UA	280-30335-2 DU	Nitrite as N	0.10	mg/L	NC	15	U
9056A	LF1P0317UA	280-30335-2	Orthophosphate as P	0.20	mg/L			U
9056A	LF1P0317UA	280-30335-2 DU	Orthophosphate as P	0.20	mg/L	NC	15	U
Batch ID: 125528 Date: 06/22/2012 12:28								
9056A	LF1P0317UA	280-30335-2	Bromide	0.15	mg/L			J
9056A	LF1P0317UA	280-30335-2 DU	Bromide	0.150	mg/L	2	15	J
9056A	LF1P0317UA	280-30335-2	Chloride	9.7	mg/L			
9056A	LF1P0317UA	280-30335-2 DU	Chloride	9.73	mg/L	0.1	15	
9056A	LF1P0317UA	280-30335-2	Fluoride	0.10	mg/L			U
9056A	LF1P0317UA	280-30335-2 DU	Fluoride	0.10	mg/L	NC	15	U
9056A	LF1P0317UA	280-30335-2	Sulfate	2.0	mg/L			J
9056A	LF1P0317UA	280-30335-2 DU	Sulfate	1.95	mg/L	0.3	15	J
Batch ID: 126227 Date: 06/22/2012 13:00								
SM 2120B	LF1P0213UA	280-30335-1	Color	25	PCU			
SM 2120B	LF1P0213UA	280-30335-1 DU	Color	25.0	PCU	0	20	
Batch ID: 125734 Date: 06/26/2012 13:43								
SM 2320B	LF1P0317UA	280-30335-2	Alkalinity	370	mg/L			
SM 2320B	LF1P0317UA	280-30335-2 DU	Alkalinity	370	mg/L	0.2	10	
Batch ID: 125751 Date: 06/27/2012 08:19								
SM 2540C	LF1M1111UA	280-30335-3	Total Dissolved Solids	500	mg/L			
SM 2540C	LF1M1111UA	280-30335-3 DU	Total Dissolved Solids	515	mg/L	2	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126890	Date: 07/07/2012 11:19										
						LCS Source: NXN CAL INT_00154					
350.1	LCS 280-126890/43	Ammonia	5.06		mg/L	5.00	101	90-110	0	10	
Batch ID: 127774	Date: 07/13/2012 19:16	Prep Batch: 127380	Date: 07/11/2012 20:00								
						LCS Source: TKN 25ppm_00097					
351.2	LCS 280-127380/1-A	Nitrogen, Kjeldahl	5.65		mg/L	6.00	94	90-110	0	25	
Batch ID: 125624	Date: 06/26/2012 11:37										
						LCS Source: COD cal std_00014					
410.4	LCS 280-125624/3	Chemical Oxygen Demand	103		mg/L	100	103	90-110	4	11	
Batch ID: 125527	Date: 06/22/2012 09:45										
						LCS Source: IC daily cal_00821					
9056A	LCS 280-125527/5	Nitrate as N	5.09		mg/L	5.00	102	87-110	0	10	
9056A	LCS 280-125527/5	Nitrite as N	4.91		mg/L	5.00	98	87-112	0	10	
9056A	LCS 280-125527/5	Orthophosphate as P	4.73		mg/L	5.00	95	90-110	2	10	
Batch ID: 125528	Date: 06/22/2012 09:45										
						LCS Source: IC daily cal_00821					
9056A	LCS 280-125528/5	Bromide	5.04		mg/L	5.00	101	86-110	0	10	
9056A	LCS 280-125528/5	Chloride	25.4		mg/L	25.0	102	89-110	0	10	
9056A	LCS 280-125528/5	Fluoride	5.15		mg/L	5.00	103	88-111	0	10	
9056A	LCS 280-125528/5	Sulfate	25.5		mg/L	25.0	102	86-110	0	10	
Batch ID: 128057	Date: 07/17/2012 03:04										
						LCS Source: TOC LCS Std_00013					
9060A	LCS 280-128057/32	Total Organic Carbon - Quad	24.5		mg/L	25.0	98	86-114	0	12	
Batch ID: 125734	Date: 06/26/2012 10:56										
						LCS Source: Alk daily lcs_00253					
SM 2320B	LCS 280-125734/31	Alkalinity	207		mg/L	200	103	90-110	0	10	
Batch ID: 125734	Date: 06/26/2012 13:25										
						LCS Source: Alk daily lcs_00253					
SM 2320B	LCS 280-125734/61	Alkalinity	208		mg/L	200	104	90-110	0	10	
Batch ID: 128017	Date: 07/17/2012 09:02										
						LCS Source: Hard lcs std_00022					
SM 2340C	LCS 280-128017/2	Hardness as calcium carbonate	398		mg/L	403	99	90-110	1	10	
Batch ID: 125751	Date: 06/27/2012 08:19										
						LCS Source: TDS LCS_00279					
SM 2540C	LCS 280-125751/2	Total Dissolved Solids	474		mg/L	502	94	86-110	3	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 125222	Date: 06/22/2012 11:55										
						LCS Source: BOD Daily LCS_00526					
SM5210B	LCS 280-125222/4	Biochemical Oxygen Demand	200		mg/L	198	101	85-115	2	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126890	Date: 07/07/2012 11:20										
						LCSD Source: NXN CAL INT_00154					
350.1	LCSD 280-126890/44	Ammonia	5.08		mg/L	5.00	102	90-110	0	10	
Batch ID: 127774	Date: 07/13/2012 19:18	Prep Batch: 127380	Date: 07/11/2012 20:00								
						LCSD Source: TKN 25ppm_00097					
351.2	LCSD 280-127380/2-A	Nitrogen, Kjeldahl	5.66		mg/L	6.00	94	90-110	0	25	
Batch ID: 125624	Date: 06/26/2012 11:37										
						LCSD Source: COD cal std_00014					
410.4	LCSD 280-125624/4	Chemical Oxygen Demand	99.4		mg/L	100	99	90-110	4	11	
Batch ID: 125527	Date: 06/22/2012 10:02										
						LCSD Source: IC daily cal_00821					
9056A	LCSD 280-125527/6	Nitrate as N	5.10		mg/L	5.00	102	87-110	0	10	
9056A	LCSD 280-125527/6	Nitrite as N	4.90		mg/L	5.00	98	87-112	0	10	
9056A	LCSD 280-125527/6	Orthophosphate as P	4.81		mg/L	5.00	96	90-110	2	10	
Batch ID: 125528	Date: 06/22/2012 10:02										
						LCSD Source: IC daily cal_00821					
9056A	LCSD 280-125528/6	Bromide	5.05		mg/L	5.00	101	86-110	0	10	
9056A	LCSD 280-125528/6	Chloride	25.4		mg/L	25.0	102	89-110	0	10	
9056A	LCSD 280-125528/6	Fluoride	5.15		mg/L	5.00	103	88-111	0	10	
9056A	LCSD 280-125528/6	Sulfate	25.5		mg/L	25.0	102	86-110	0	10	
Batch ID: 128057	Date: 07/17/2012 03:25										
						LCSD Source: TOC LCS Std_00013					
9060A	LCSD 280-128057/33	Total Organic Carbon - Quad	24.5		mg/L	25.0	98	86-114	0	12	
Batch ID: 125734	Date: 06/26/2012 11:01										
						LCSD Source: Alk daily lcs_00253					
SM 2320B	LCSD 280-125734/32	Alkalinity	207		mg/L	200	104	90-110	0	10	
Batch ID: 125734	Date: 06/26/2012 13:30										
						LCSD Source: Alk daily lcs_00253					
SM 2320B	LCSD 280-125734/62	Alkalinity	208		mg/L	200	104	90-110	0	10	
Batch ID: 128017	Date: 07/17/2012 09:02										
						LCSD Source: Hard lcs std_00022					
SM 2340C	LCSD 280-128017/3	Hardness as calcium carbonate	400		mg/L	403	99	90-110	1	10	
Batch ID: 125751	Date: 06/27/2012 08:19										
						LCSD Source: TDS LCS_00279					
SM 2540C	LCSD 280-125751/3	Total Dissolved Solids	458		mg/L	502	91	86-110	3	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 125222	Date: 06/22/2012 11:55										
						LCSD Source: BOD Daily LCS_00526					
SM5210B	LCSD 280-125222/5	Biochemical Oxygen Demand	205		mg/L	198	104	85-115	2	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 125527	Date: 06/22/2012 09:12										
						LCS Source:	IC CAL INT1_00159				
9056A	MRL 280-125527/3	Nitrate as N	0.502		mg/L	0.500	100	50-150			
9056A	MRL 280-125527/3	Nitrite as N	0.494	J	mg/L	0.500	99	50-150			
9056A	MRL 280-125527/3	Orthophosphate as P	0.510		mg/L	0.500	102	50-150			
Batch ID: 125528	Date: 06/22/2012 09:28										
						LCS Source:	IC CAL INT1_00159				
9056A	MRL 280-125528/4	Bromide	0.224		mg/L	0.200	112	50-150			
9056A	MRL 280-125528/4	Chloride	1.06	J	mg/L	1.00	106	50-150			
9056A	MRL 280-125528/4	Fluoride	0.188	J	mg/L	0.200	94	50-150			
9056A	MRL 280-125528/4	Sulfate	0.862	J	mg/L	1.00	86	50-150			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 350.1 DL Date: 03/28/2011 13:26

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Ammonia		0.1	0.022

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 350.1 XMDL Date: 03/28/2011 13:26

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Ammonia		0.1	0.0225

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 351.2 DL Date: 10/26/2010 10:52

Prep Method: 351.2

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Nitrogen, Kjeldahl		1	0.077

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 351.2 XMDL Date: 10/26/2010 10:52

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrogen, Kjeldahl		1	0.077

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: WC_HACH SPEC

Method: 410.4 DL Date: 09/19/2011 14:10

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Chemical Oxygen Demand		20	4.06

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: WC_HACH SPEC

Method: 410.4 XMDL Date: 03/22/2010 16:03

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chemical Oxygen Demand		20	4.06

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2120B LOQ Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	LOQ (PCU)	
Color		5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2120B XRL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (PCU)	
Color		5	

FORM IX - IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2340C DL Date: 03/11/2010 17:08

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Hardness as calcium carbonate		5	1.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2340C XMDL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Hardness as calcium carbonate		5	1.3

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A DL Date: 11/30/2009 00:00

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Bromide		0.5	0.113
Chloride		3	0.254
Fluoride		1	0.06
Nitrate as N		0.5	0.042
Nitrate Nitrite as N		0.5	0.042
Nitrite as N		0.5	0.049
Orthophosphate as P		0.5	0.187
Sulfate		5	0.232

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A XMDL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Bromide		0.2	0.113
Chloride		3	0.254
Fluoride		0.5	0.0597
Sulfate		5	0.232

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A XMDL Date: 03/28/2011 13:33

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrate as N		0.5	0.0425
Nitrate Nitrite as N		0.5	0.0425
Nitrite as N		0.5	0.0494
Orthophosphate as P		0.5	0.187

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060A DL Date: 11/30/2009 00:00

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Total Organic Carbon - Quad		1	0.155

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060A XMDL Date: 03/28/2011 11:39

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon - Quad		1	0.155

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: WC-AT3

Method: SM 2320B DL Date: 03/28/2011 12:06

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Alkalinity		5	1.07

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: WC-AT3

Method: SM 2320B XMDL Date: 03/28/2011 12:06

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Alkalinity		5	1.07

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2540C DL Date: 10/07/2011 10:03

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Total Dissolved Solids		10	4.7

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2540C XMDL Date: 10/11/2010 11:58

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Dissolved Solids		10	4.7

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM5210B DL Date: 03/28/2011 12:09

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Biochemical Oxygen Demand		2	0.236

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30335-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM5210B XMDL Date: 03/28/2011 12:09

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Biochemical Oxygen Demand		2	0.236

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Prep Method: 351.2

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LCS 280-127380/1-A	07/11/2012 20:00	127380		25	25
LCSD 280-127380/2-A	07/11/2012 20:00	127380		25	25
MB 280-127380/3-A	07/11/2012 20:00	127380		25	25
280-30335-1	07/11/2012 20:00	127380		25	25
280-30335-1 MS	07/11/2012 20:00	127380		25	25
280-30335-1 MSD	07/11/2012 20:00	127380		25	25
280-30335-2	07/11/2012 20:00	127380		25	25
280-30335-3	07/11/2012 20:00	127380		25	25
280-30335-4	07/11/2012 20:00	127380		25	25
280-30335-5	07/11/2012 20:00	127380		25	25
280-30335-6	07/11/2012 20:00	127380		25	25

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/07/2012 10:16 End Date: 07/07/2012 12:48

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			10:16																				
ZZZZZZ			10:17																				
ZZZZZZ			10:19																				
ZZZZZZ			10:20																				
IC 280-126890/5			10:22	X																			
IC 280-126890/6			10:23	X																			
IC 280-126890/7			10:25	X																			
IC 280-126890/8			10:26	X																			
IC 280-126890/9			10:28	X																			
IC 280-126890/10			10:29	X																			
IC 280-126890/11			10:31	X																			
ZZZZZZ			10:32																				
ZZZZZZ			10:34																				
ZZZZZZ			10:35																				
ICVL 280-126890/15	1		10:37	X																			
ICV 280-126890/16	1		10:38	X																			
ICB 280-126890/17	1		10:40	X																			
MRL 280-126890/18	1	T	10:41	X																			
ZZZZZZ			10:43																				
ZZZZZZ			10:44																				
ZZZZZZ			10:46																				
ZZZZZZ			10:47																				
ZZZZZZ			10:49																				
ZZZZZZ			10:50																				
ZZZZZZ			10:52																				
ZZZZZZ			10:53																				
ZZZZZZ			10:55																				
ZZZZZZ			10:56																				
ZZZZZZ			10:58																				
ZZZZZZ			10:59																				
RINSE 280-126890/31			11:01																				
CCV 280-126890/32	1		11:02	X																			
CCVL 280-126890/33	1		11:04	X																			
CCB 280-126890/34	1		11:05	X																			
ZZZZZZ			11:07																				
ZZZZZZ			11:08																				
ZZZZZZ			11:10																				
ZZZZZZ			11:11																				
ZZZZZZ			11:13																				
ZZZZZZ			11:14																				
ZZZZZZ			11:16																				
MB 280-126890/42	1	T	11:17	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/07/2012 10:16 End Date: 07/07/2012 12:48

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
LCS 280-126890/43	1	T	11:19	X																			
LCSD 280-126890/44	1	T	11:20	X																			
ZZZZZZ			11:22																				
ZZZZZZ			11:23																				
RINSE 280-126890/47			11:25																				
CCV 280-126890/48	1		11:26	X																			
CCVL 280-126890/49	1		11:28	X																			
CCB 280-126890/50	1		11:29	X																			
ZZZZZZ			11:31																				
ZZZZZZ			11:32																				
ZZZZZZ			11:34																				
ZZZZZZ			11:35																				
ZZZZZZ			11:37																				
ZZZZZZ			11:38																				
ZZZZZZ			11:40																				
ZZZZZZ			11:41																				
ZZZZZZ			11:43																				
ZZZZZZ			11:44																				
ZZZZZZ			11:46																				
ZZZZZZ			11:47																				
RINSE 280-126890/63			11:49																				
CCV 280-126890/64			11:50																				
CCVL 280-126890/65	1		11:52	X																			
CCB 280-126890/66	1		11:53	X																			
ZZZZZZ			11:55																				
ZZZZZZ			11:57																				
ZZZZZZ			11:58																				
ZZZZZZ			12:00																				
ZZZZZZ			12:01																				
280-30335-1	1	T	12:03	X																			
280-30335-1 MS	1	T	12:04	X																			
280-30335-1 MSD	1	T	12:06	X																			
280-30335-2	1	T	12:07	X																			
280-30335-3	1	T	12:09	X																			
280-30335-4	1	T	12:10	X																			
ZZZZZZ			12:12																				
RINSE 280-126890/79			12:13																				
CCV 280-126890/80	1		12:15	X																			
CCVL 280-126890/81	1		12:16	X																			
CCB 280-126890/82	1		12:18	X																			
ZZZZZZ			12:19																				
280-30335-5	1	T	12:21	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/07/2012 10:16 End Date: 07/07/2012 12:48

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
280-30335-6	1	T	12:22	X																			
ZZZZZZ			12:24																				
ZZZZZZ			12:25																				
ZZZZZZ			12:27																				
ZZZZZZ			12:28																				
ZZZZZZ			12:30																				
RINSE 280-126890/91			12:31																				
RINSE 280-126890/92			12:33																				
RINSE 280-126890/93			12:34																				
ZZZZZZ			12:36																				
RINSE 280-126890/95			12:37																				
CCV 280-126890/96	1		12:39	X																			
CCVL 280-126890/97	1		12:40	X																			
CCB 280-126890/98	1		12:42	X																			
ZZZZZZ			12:43																				
RINSE 280-126890/100			12:45																				
RINSE 280-126890/101			12:46																				
RINSE 280-126890/102			12:48																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: WC_Astoria Method: 351.2

Start Date: 07/13/2012 19:00 End Date: 07/13/2012 20:07

Lab Sample ID	D/F	Type	Time	Analytes																			
				TKN																			
ZZZZZZ			19:00																				
ZZZZZZ			19:00																				
ZZZZZZ			19:01																				
ZZZZZZ			19:03																				
IC 280-127774/5			19:04	X																			
IC 280-127774/6			19:05	X																			
IC 280-127774/7			19:06	X																			
IC 280-127774/8			19:08	X																			
IC 280-127774/9			19:09	X																			
IC 280-127774/10			19:10	X																			
ZZZZZZ			19:11																				
ZZZZZZ			19:13																				
ICV 280-127774/13	2		19:14	X																			
ICB 280-127774/14	1		19:15	X																			
LCS 280-127380/1-A	1	T	19:16	X																			
LCSD 280-127380/2-A	1	T	19:18	X																			
MB 280-127380/3-A	1	T	19:19	X																			
280-30335-1	1	T	19:20	X																			
280-30335-1 MS	1	T	19:21	X																			
280-30335-1 MSD	1	T	19:23	X																			
CCV 280-127774/21	1		19:24	X																			
CCB 280-127774/22	1		19:25	X																			
280-30335-2	1	T	19:26	X																			
280-30335-3	1	T	19:28	X																			
ZZZZZZ			19:29																				
ZZZZZZ			19:30																				
280-30335-4	1	T	19:31	X																			
280-30335-5	1	T	19:33	X																			
280-30335-6	1	T	19:34	X																			
ZZZZZZ			19:35																				
ZZZZZZ			19:36																				
ZZZZZZ			19:38																				
ZZZZZZ			19:39																				
ZZZZZZ			19:40																				
CCV 280-127774/35	1		19:41	X																			
CCB 280-127774/36	1		19:43	X																			
ZZZZZZ			19:44																				
ZZZZZZ			19:45																				
ZZZZZZ			19:46																				
ZZZZZZ			19:48																				
ZZZZZZ			19:49																				
ZZZZZZ			19:50																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: WC_Astoria Method: 351.2

Start Date: 07/13/2012 19:00 End Date: 07/13/2012 20:07

Lab Sample ID	D / F	Type	Time	Analytes																			
				TKN																			
ZZZZZZ			19:51																				
ZZZZZZ			19:53																				
ZZZZZZ			19:54																				
ZZZZZZ			19:55																				
ZZZZZZ			19:57																				
ZZZZZZ			19:58																				
ZZZZZZ			19:59																				
ZZZZZZ			20:00																				
CCV 280-127774/51			20:02																				
CCB 280-127774/52			20:03																				
ZZZZZZ			20:04																				
CCV 280-127774/54			20:05																				
CCB 280-127774/55			20:07																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: WC_HACH SPEC Method: 410.4

Start Date: 06/26/2012 11:37 End Date: 06/26/2012 11:37

Lab Sample ID	D / F	Type	Time	Analytes																			
				COD																			
ICV 280-125624/1	1		11:37	X																			
ICB 280-125624/2	1		11:37	X																			
LCS 280-125624/3	1	T	11:37	X																			
LCSD 280-125624/4	1	T	11:37	X																			
MB 280-125624/5	1	T	11:37	X																			
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
280-30335-1	1	T	11:37	X																			
280-30335-1 MS	1	T	11:37	X																			
280-30335-1 MSD	1	T	11:37	X																			
CCV 280-125624/16	1		11:37	X																			
CCB 280-125624/17	1		11:37	X																			
280-30335-2	1	T	11:37	X																			
280-30335-3	1	T	11:37	X																			
280-30335-4	1	T	11:37	X																			
280-30335-5	1	T	11:37	X																			
280-30335-6	1	T	11:37	X																			
CCV 280-125624/23	1		11:37	X																			
CCB 280-125624/24	1		11:37	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2120B

Start Date: 06/22/2012 13:00 End Date: 06/22/2012 13:00

Lab Sample ID	D / F	Type	Time	Analytes																			
				Color																			
MB 280-126227/1	1	T	13:00	X																			
280-30335-1	1	T	13:00	X																			
280-30335-1 DU	1	T	13:00	X																			
280-30335-2	1	T	13:00	X																			
280-30335-3	1	T	13:00	X																			
280-30335-4	1	T	13:00	X																			
280-30335-5	1	T	13:00	X																			
280-30335-6	1	T	13:00	X																			
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2340C

Start Date: 07/17/2012 09:02 End Date: 07/17/2012 09:02

Lab Sample ID	D / F	Type	Time	Analytes																			
				HardCC																			
MB 280-128017/1	1	T	09:02	X																			
LCS 280-128017/2	1	T	09:02	X																			
LCSD 280-128017/3	1	T	09:02	X																			
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
280-30335-1	1	T	09:02	X																			
280-30335-2	1	T	09:02	X																			
280-30335-3	1	T	09:02	X																			
280-30335-4	1	T	09:02	X																			
280-30335-5	1	T	09:02	X																			
280-30335-6	1	T	09:02	X																			
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
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ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2340C

Start Date: 07/17/2012 09:02 End Date: 07/17/2012 09:02

Lab Sample ID	D / F	Type	Time	Analytes																			
				HardCC																			
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/22/2012 08:34 End Date: 06/22/2012 20:35

Lab Sample ID	D/F	Type	Time	Analytes																			
				N-No2	NNO32	NO3	Orthop																
ICV 280-125527/1	1		08:34	X		X	X																
ICB 280-125527/2	1		08:55	X		X	X																
MRL 280-125527/3	1	T	09:12	X		X	X																
ZZZZZZ			09:28																				
LCS 280-125527/5	1	T	09:45	X		X	X																
LCSD 280-125527/6	1	T	10:02	X		X	X																
MB 280-125527/7	1	T	10:33	X	X	X	X																
280-30335-1	1	T	11:55	X	X	X	X																
280-30335-2	1	T	12:11	X	X	X	X																
280-30335-2 DU	1	T	12:28	X		X	X																
280-30335-2 MS	1	T	12:45	X		X	X																
280-30335-2 MSD	1	T	13:02	X		X	X																
280-30335-3	1	T	13:19	X	X	X	X																
280-30335-4	1	T	13:35	X	X	X	X																
280-30335-5	1	T	13:52	X	X	X	X																
280-30335-6	1	T	14:09	X	X	X	X																
ZZZZZZ			14:26																				
CCV 280-125527/18	1		14:43	X		X	X																
CCB 280-125527/19	1		14:59	X		X	X																
ZZZZZZ			15:16																				
ZZZZZZ			15:33																				
ZZZZZZ			15:50																				
ZZZZZZ			16:07																				
ZZZZZZ			16:23																				
ZZZZZZ			16:40																				
ZZZZZZ			16:57																				
ZZZZZZ			17:14																				
ZZZZZZ			17:31																				
ZZZZZZ			17:47																				
CCV 280-125527/30			18:04																				
CCB 280-125527/31			18:21																				
ZZZZZZ			18:38																				
ZZZZZZ			18:55																				
ZZZZZZ			19:11																				
ZZZZZZ			19:28																				
ZZZZZZ			19:45																				
ZZZZZZ			20:02																				
CCV 280-125527/38			20:19																				
CCB 280-125527/39			20:35																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/22/2012 08:34 End Date: 06/22/2012 20:35

Lab Sample ID	D/F	Type	Time	Analytes																				
				Br	CL-	F	SO4																	
ICV 280-125528/1	1		08:34	X	X	X	X																	
ICB 280-125528/2	1		08:55	X	X	X	X																	
ZZZZZZ			09:12																					
MRL 280-125528/4	1	T	09:28	X	X	X	X																	
LCS 280-125528/5	1	T	09:45	X	X	X	X																	
LCSD 280-125528/6	1	T	10:02	X	X	X	X																	
MB 280-125528/7	1	T	10:33	X	X	X	X																	
280-30335-1	1	T	11:55	X	X	X	X																	
280-30335-2	1	T	12:11	X	X	X	X																	
280-30335-2 DU	1	T	12:28	X	X	X	X																	
280-30335-2 MS	1	T	12:45	X	X	X	X																	
280-30335-2 MSD	1	T	13:02	X	X	X	X																	
280-30335-3	1	T	13:19	X	X	X	X																	
280-30335-4	1	T	13:35	X	X	X	X																	
280-30335-5	1	T	13:52	X	X	X	X																	
280-30335-6	1	T	14:09	X	X	X	X																	
ZZZZZZ			14:26																					
CCV 280-125528/18	1		14:43	X	X	X	X																	
CCB 280-125528/19	1		14:59	X	X	X	X																	
ZZZZZZ			15:16																					
ZZZZZZ			15:33																					
ZZZZZZ			15:50																					
ZZZZZZ			16:07																					
ZZZZZZ			16:23																					
ZZZZZZ			16:40																					
ZZZZZZ			16:57																					
ZZZZZZ			17:14																					
ZZZZZZ			17:31																					
ZZZZZZ			17:47																					
CCV 280-125528/30			18:04																					
CCB 280-125528/31			18:21																					
ZZZZZZ			18:38																					
ZZZZZZ			18:55																					
ZZZZZZ			19:11																					
ZZZZZZ			19:28																					
ZZZZZZ			19:45																					
ZZZZZZ			20:02																					
CCV 280-125528/38			20:19																					
CCB 280-125528/39			20:35																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060A

Start Date: 07/16/2012 17:54 End Date: 07/17/2012 12:11

Lab Sample ID	D / F	Type	Time	Analytes																				
				TOCQ																				
ICV 280-128057/1	1		17:54	X																				
ICB 280-128057/2	1		18:14	X																				
ZZZZZZ			18:31																					
ZZZZZZ			18:49																					
ZZZZZZ			19:09																					
ZZZZZZ			19:26																					
ZZZZZZ			19:43																					
ZZZZZZ			20:02																					
ZZZZZZ			20:20																					
ZZZZZZ			20:37																					
ZZZZZZ			20:57																					
ZZZZZZ			21:14																					
ZZZZZZ			21:33																					
ZZZZZZ			21:52																					
ZZZZZZ			22:07																					
CCV 280-128057/16			22:24																					
CCB 280-128057/17			22:43																					
ZZZZZZ			23:00																					
ZZZZZZ			23:17																					
ZZZZZZ			23:33																					
ZZZZZZ			23:52																					
ZZZZZZ			00:10																					
ZZZZZZ			00:26																					
ZZZZZZ			00:44																					
ZZZZZZ			01:05																					
ZZZZZZ			01:22																					
ZZZZZZ			01:37																					
CCV 280-128057/28	1		01:54	X																				
CCB 280-128057/29	1		02:13	X																				
ZZZZZZ			02:31																					
ZZZZZZ			02:47																					
LCS 280-128057/32	1	T	03:04	X																				
LCSD 280-128057/33	1	T	03:25	X																				
MB 280-128057/34	1	T	03:45	X																				
ZZZZZZ			04:03																					
ZZZZZZ			04:20																					
ZZZZZZ			04:38																					
ZZZZZZ			04:59																					
ZZZZZZ			05:15																					
CCV 280-128057/40	1		05:33	X																				
CCB 280-128057/41	1		05:53	X																				
ZZZZZZ			06:09																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060A

Start Date: 07/16/2012 17:54 End Date: 07/17/2012 12:11

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOCQ																			
ZZZZZZ			06:25																				
280-30335-1	1	T	06:41	X																			
280-30335-2	1	T	06:59	X																			
280-30335-3	1	T	07:14	X																			
280-30335-4	1	T	07:32	X																			
280-30335-5	1	T	07:48	X																			
280-30335-6	1	T	08:07	X																			
ZZZZZZ			08:23																				
ZZZZZZ			08:39																				
CCV 280-128057/52	1		08:55	X																			
CCB 280-128057/53	1		09:14	X																			
ZZZZZZ			09:32																				
ZZZZZZ			09:50																				
ZZZZZZ			10:06																				
ZZZZZZ			10:24																				
ZZZZZZ			10:43																				
ZZZZZZ			11:02																				
ZZZZZZ			11:19																				
ZZZZZZ			11:36																				
CCV 280-128057/62			11:51																				
CCB 280-128057/63			12:11																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: WC-AT3 Method: SM 2320B

Start Date: 06/26/2012 08:25 End Date: 06/26/2012 14:10

Lab Sample ID	D / F	Type	Time	Analytes																			
				Alk																			
RINSE 280-125734/1			08:25																				
ZZZZZZ			08:31																				
ZZZZZZ			08:36																				
ZZZZZZ			08:42																				
ZZZZZZ			08:47																				
ZZZZZZ			08:51																				
ZZZZZZ			08:59																				
ZZZZZZ			09:07																				
ZZZZZZ			09:12																				
ZZZZZZ			09:17																				
ZZZZZZ			09:22																				
ZZZZZZ			09:28																				
ZZZZZZ			09:32																				
ZZZZZZ			09:37																				
ZZZZZZ			09:41																				
ZZZZZZ			09:46																				
CCV 280-125734/17			09:51																				
CCB 280-125734/18			09:55																				
ZZZZZZ			10:01																				
ZZZZZZ			10:05																				
ZZZZZZ			10:10																				
ZZZZZZ			10:14																				
ZZZZZZ			10:19																				
ZZZZZZ			10:23																				
ZZZZZZ			10:29																				
ZZZZZZ			10:33																				
ZZZZZZ			10:38																				
ZZZZZZ			10:41																				
CCV 280-125734/29	1		10:47	X																			
CCB 280-125734/30	1		10:51	X																			
LCS 280-125734/31	1	T	10:56	X																			
LCSD 280-125734/32	1	T	11:01	X																			
MB 280-125734/33	1	T	11:05	X																			
ZZZZZZ			11:10																				
ZZZZZZ			11:15																				
ZZZZZZ			11:20																				
ZZZZZZ			11:28																				
ZZZZZZ			11:33																				
ZZZZZZ			11:38																				
ZZZZZZ			11:42																				
CCV 280-125734/41	1		11:47	X																			
CCB 280-125734/42	1		11:51	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: WC-AT3 Method: SM 2320B

Start Date: 06/26/2012 08:25 End Date: 06/26/2012 14:10

Lab Sample ID	D / F	Type	Time	Analytes																			
				Alk																			
ZZZZZZ			11:56																				
ZZZZZZ			12:01																				
ZZZZZZ			12:07																				
ZZZZZZ			12:14																				
ZZZZZZ			12:18																				
ZZZZZZ			12:23																				
ZZZZZZ			12:28																				
ZZZZZZ			12:33																				
ZZZZZZ			12:37																				
ZZZZZZ			12:42																				
CCV 280-125734/53	1		12:48	X																			
CCB 280-125734/54	1		12:52	X																			
ZZZZZZ			12:57																				
ZZZZZZ			13:02																				
ZZZZZZ			13:05																				
280-30335-1	1	T	13:11	X																			
CCV 280-125734/59	1		13:16	X																			
CCB 280-125734/60	1		13:20	X																			
LCS 280-125734/61	1	T	13:25	X																			
LCSD 280-125734/62	1	T	13:30	X																			
MB 280-125734/63	1	T	13:34	X																			
280-30335-2	1	T	13:38	X																			
280-30335-2 DU	1	T	13:43	X																			
280-30335-3	1	T	13:48	X																			
280-30335-4	1	T	13:53	X																			
280-30335-5	1	T	13:58	X																			
280-30335-6	1	T	14:01	X																			
CCV 280-125734/70	1		14:06	X																			
CCB 280-125734/71	1		14:10	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2540C

Start Date: 06/27/2012 08:19 End Date: 06/27/2012 08:19

Lab Sample ID	D / F	Type	Time	Analytes																				
				TDS																				
MB 280-125751/1	1	T	08:19	X																				
LCS 280-125751/2	1	T	08:19	X																				
LCSD 280-125751/3	1	T	08:19	X																				
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
280-30335-1	1	T	08:19	X																				
280-30335-2	1	T	08:19	X																				
280-30335-3	1	T	08:19	X																				
280-30335-3 DU	1	T	08:19	X																				
280-30335-4	1	T	08:19	X																				
280-30335-5	1	T	08:19	X																				
280-30335-6	1	T	08:19	X																				
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: NOEQUIP Method: SM5210B

Start Date: 06/22/2012 11:55 End Date: 06/22/2012 13:40

Lab Sample ID	D / F	Type	Time	Analytes																			
				BOD																			
ZZZZZZ			11:55																				
ZZZZZZ			11:55																				
ZZZZZZ			11:55																				
LCS 280-125222/4	1	T	11:55	X																			
LCSD 280-125222/5	1	T	11:55	X																			
MB 280-125222/6	1	T	11:55	X																			
ZZZZZZ			11:55																				
ZZZZZZ			11:55																				
ZZZZZZ			11:55																				
ZZZZZZ			11:55																				
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ZZZZZZ			11:55																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Instrument ID: NOEQUIP Method: SM5210B

Start Date: 06/22/2012 11:55 End Date: 06/22/2012 13:40

Lab Sample ID	D / F	Type	Time	Analytes																			
				BOD																			
ZZZZZZ			11:56																				
ZZZZZZ			11:56																				
ZZZZZZ			12:01																				
ZZZZZZ			12:03																				
ZZZZZZ			12:04																				
ZZZZZZ			12:10																				
280-30335-1	1	T	12:12	X																			
280-30335-2	1	T	12:13	X																			
280-30335-3	1	T	12:15	X																			
280-30335-4	1	T	12:16	X																			
280-30335-5	1	T	12:17	X																			
280-30335-6	1	T	12:18	X																			
ZZZZZZ			12:20																				
ZZZZZZ			13:31																				
ZZZZZZ			13:32																				
ZZZZZZ			13:33																				
ZZZZZZ			13:35																				
ZZZZZZ			13:40																				

Prep Types
T = Total/NA

TESTAMERICA Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

NH3 BW 7/7/12

Test Name/ Method #: DV-WC- **SOP #** DV-WC-0040

Instrument: Alpk 2 **Analyst:** Brett Wolff **Analysis Date:** 7/7/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
580-33446	Soil	126646	126890	350.1	N/A
280-30538	Aq	126643			
280-30697	Aq	126642			
280-30497		N/A			
280-30663					
280-30734					
280-30735					
280-30334 280-30335					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	—			—
2. Correlation coefficient ≥ 0.995 ?	—			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	—			—
4. ICB analyzed immediately after the ICV & results < the RL	—			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	—			—
6. CCB analyzed after every CCV & results < RL?	—			—
7. Absolute value of the intercept is < ± ½ the RL?	—			—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	—			—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	—			—
3. All reported results bracketed by in control CCV results?	—			—
4. Sample analyses done within holding time?	—			—
5. Initial pH check documented for all samples? (If Applicable)	—			—
6. Preparation benchsheet completed and included in package?	—			—
7. Client requirements reviewed and met?	—			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	—			—
9. Do the prep and analysis dates in TALS reflect the actual dates?	—	BW 7/7/12		—
11. Raw data copies prepared, scanned, and uploaded?	—	+	—	—
12. Manual integrations done properly and initialed and dated?				—
13. STD/True Value information is updated and included?	—			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	—			—
2. Method blank < ½ RL or NCM provided?	—			—
3. LCS/LCSD run for batch and within QC limits?	—			—
4. MS/MSD run at required frequency and within limits or NCM written?		—		—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?	—			—

Analyst: _____ **Date:** 7/7/12

2nd Level Reviewer : _____ **Date:** 7/10/12

Peak Table:Ammonia

File name: C:\FLOW_4\0707NXNX.RST
Date: 07-Jul-12
Operator: BQW

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
1	107	SYNC	1	SYNC	1	1	1909338	10077.751953	HI
2	0	Carryover	1	CO	1	1	2033	22.445406	
3	0	Carryover	2	CO	1	1	168	12.695738	
B	0	read baseline	1	RB	1	1	0	11.818829	BL
5	101	Cal 0.00 ppb	1	C	1	1	86	12.266266	
6	102	Cal 50.0 ppb	1	C	1	1	10581	67.129349	
7	103	Cal 100 ppb	1	C	1	1	16052	95.724686	
8	104	Cal 500 ppb	1	C	1	1	89322	478.879028	
9	105	Cal 1000 ppb	1	C	1	1	187127	990.734436	
10	106	Cal 5000 ppb	1	C	1	1	951557	5006.859863	
11	107	Cal 10000 ppb	1	C	1	1	1894416	9998.418945	
12	0	blk	1	BLNK	1	1	194	12.831810	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
14	108	5000 PPB NO2	1	U	1	1	1145	17.801294	
15	109	ICV 2000 PPB	1	CCV	1	1	360773	1900.605713	
16	110	ICV 5000 PPB	1	CCV	1	1	931373	4900.462891	
17	0	ICB	1	U	1	1	411	13.966819	
18	111	MRL	1	U	1	1	15997	95.439346	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
20	113	mb 280-126642/1-a 1	U		1	1	1576	20.056736	
21	114	lcs 280-126642/2-a 1	U		1	1	934684	4917.916504	
22	115	lcsd 280-126642/3-a 1	U		1	1	891353	4689.560547	
23	116	280-30538-j-1-a 1	U		1	1	65760	355.640045	
24	117	280-30538-bf-2-a 1	U		1	1	23321	133.726212	
25	118	280-30538-ab-2-a ms 1	U		1	1	986310	5190.099121	
26	119	280-30538-ac-2-a msd 1	U		1	1	956114	5030.883789	
27	120	280-30538-j-3-a 1	U		1	1	20717	120.113609	
28	121	280-30538-j-4-a 1	U		1	1	25054	142.786865	
29	122	280-30697-f-1-a 1	U		1	1	24934	142.158615	
B	0	read baseline	1	RB	1	1	0	11.818829	BL
31	0	rinse	1	U	1	1	-152	11.022609	
32	106	5000 PPB CCV	1	CCV	1	1	952581	5012.259766	
33	105	CCV 1000PPB	1	CCV	1	1	189644	1003.912964	
34	0	CCB	1	U	1	1	1019	17.144012	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
36	123	mb 280-126646/1-a 1	U		1	1	1214	18.163017	
37	124	lcs 280-126646/2-a 1	U		1	1	927385	4879.444336	
38	125	lcsd 280-126646/3-a 1	U		1	1	981630	5165.422363	
39	126	580-33446-a-7-aX 1	U		10	1	12095	750.426025	
40	127	580-33446-a-7-b msX 1	U		10	1	97598	5221.777344	
41	128	580-33446-a-7-c msdX 1	U		10	1	98247	5255.710449	
42	129	MB	1	U	1	1	540	14.639570	
43	106	LCS	1	U	1	1	961682	5060.242188	
44	106	LCSD	1	U	1	1	966198	5084.047363	
45	130	280-30497-b-13	1	U	1	1	49342	269.782684	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
47	0	RINSE	1	U	1	1	-158	10.990534	
48	106	5000 PPB CCV	1	CCV	1	1	969704	5102.534668	
49	105	CCV 1000PPB	1	CCV	1	1	190460	1008.187012	
50	0	CCB	1	U	1	1	753	15.753778	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
52	131	280-30497-b-14	1	U	1	1	49775	272.045288	
53	132	280-30497-b-15	1	U	1	1	36203	201.078445	
54	133	280-30497-b-16	1	U	1	1	25609	145.691254	
55	134	280-30497-b-17	1	U	1	1	28071	158.560135	
56	135	280-30497-b-18	1	U	1	1	12926	79.385841	
57	136	280-30663-e-1	1	U	100	1	1033187	543735.687500	
58	137	280-30734-d-2	1	U	1	1	1405	19.160933	
59	138	280-30734-d-2 MS 1	U		1	1	576493	3032.916260	
60	139	280-30734-d-2 MSD 1	U		1	1	581389	3058.640869	
61	140	280-30745-h-1	1	U	1	1	30492	171.219009	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
63	0	RINSE	1	U	1	1	-216	10.690676	
64	106	5000 PPB CCV	1	CCV	1	1	961815	5060.943848	
65	105	CCV 1000PPB	1	CCV	1	1	189571	1003.529785	
66	0	CCB	1	U	1	1	849	16.254400	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
68	141	280-30334-a-1	1	U	1	1	11114	69.911255	
69	142	280-30334-a-2	1	U	1	1	12014	74.619919	
70	143	280-30334-a-3	1	U	1	1	28450	160.541687	

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
71	144	280-30334-a-4	1	U	1	1	1936	21.937971	
72	145	280-30335-d-1	1	U	1	1	139223	739.977478	
73	146	280-30335-d-1 MS	1	U	1	1	493423	2596.622070	
74	147	280-30335-d-1 MSD	1	U	1	1	489996	2578.634033	
75	148	280-30335-d-2	1	U	1	1	59150	321.072174	
76	149	280-30335-d-3	1	U	1	1	257038	1356.882202	
77	150	280-30335-d-4	1	U	1	1	24987	142.435181	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
79	0	RINSE	1	U	1	1	-139	11.092036	
80	106	5000 PPB CCV	1	CCV	1	1	957043	5035.780762	
81	105	CCV 1000PPB	1	CCV	1	1	190003	1005.794312	
82	0	CCB	1	U	1	1	726	15.614248	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
84	151	280-30335-d-5	1	U	1	1	37011	205.304672	
85	152	280-30335-d-6	1	U	1	1	20345	118.167328	
86	153	280-30632-F-1X	1	U	1	1	31329	175.595901	
87	154	280-30632-F-2X	1	U	1	1	40844	225.343582	
88	155	580-33446-a-7-d	1	U	1	1	77861	418.928650	
89	156	580-33446-a-7-b ms	1	U	1	1	962710	5065.659180	
90	157	580-33446-a-7-c msd	1	U	1	1	947516	4985.556641	
91	158	RINSE	1	U	1	1	1939	21.954975	
92	159	RINSE	1	U	1	1	999	17.040297	
93	160	RINSE	1	U	1	1	1043	17.269089	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
95	0	RINSE	1	U	1	1	-254	10.489528	
96	106	5000 PPB CCV	1	CCV	1	1	964006	5072.493652	
97	105	CCV 1000PPB	1	CCV	1	1	188525	998.051758	
98	0	CCB	1	U	1	1	1165	17.908318	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL

Ammonia:Calibration 1: Peak 5-102

File name: C:\FLOW_4\0707NXNX.RST
Date: 07-Jul-12
Operator: BQW

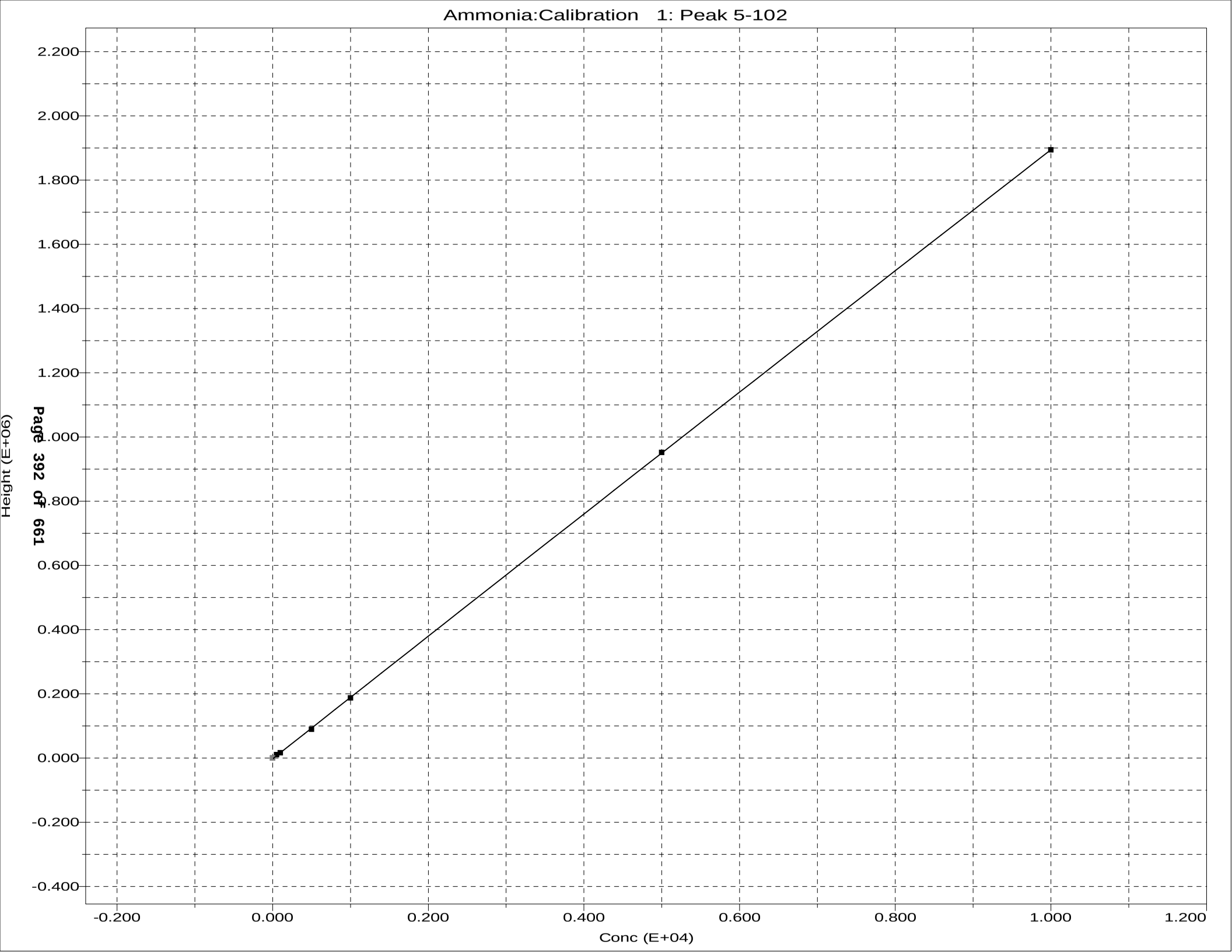
*	Name	Conc	Height
*	Cal 0.00 ppb	0.000000	85.603302
*	Cal 50.0 ppb	50.000000	10581.457031
*	Cal 100 ppb	100.000000	16051.635742
*	Cal 500 ppb	500.000000	89321.531250
*	Cal 1000 ppb	1000.000000	187127.140625
*	Cal 5000 ppb	5000.000000	951556.875000
*	Cal 10000 ppb	10000.000000	1894416.000000

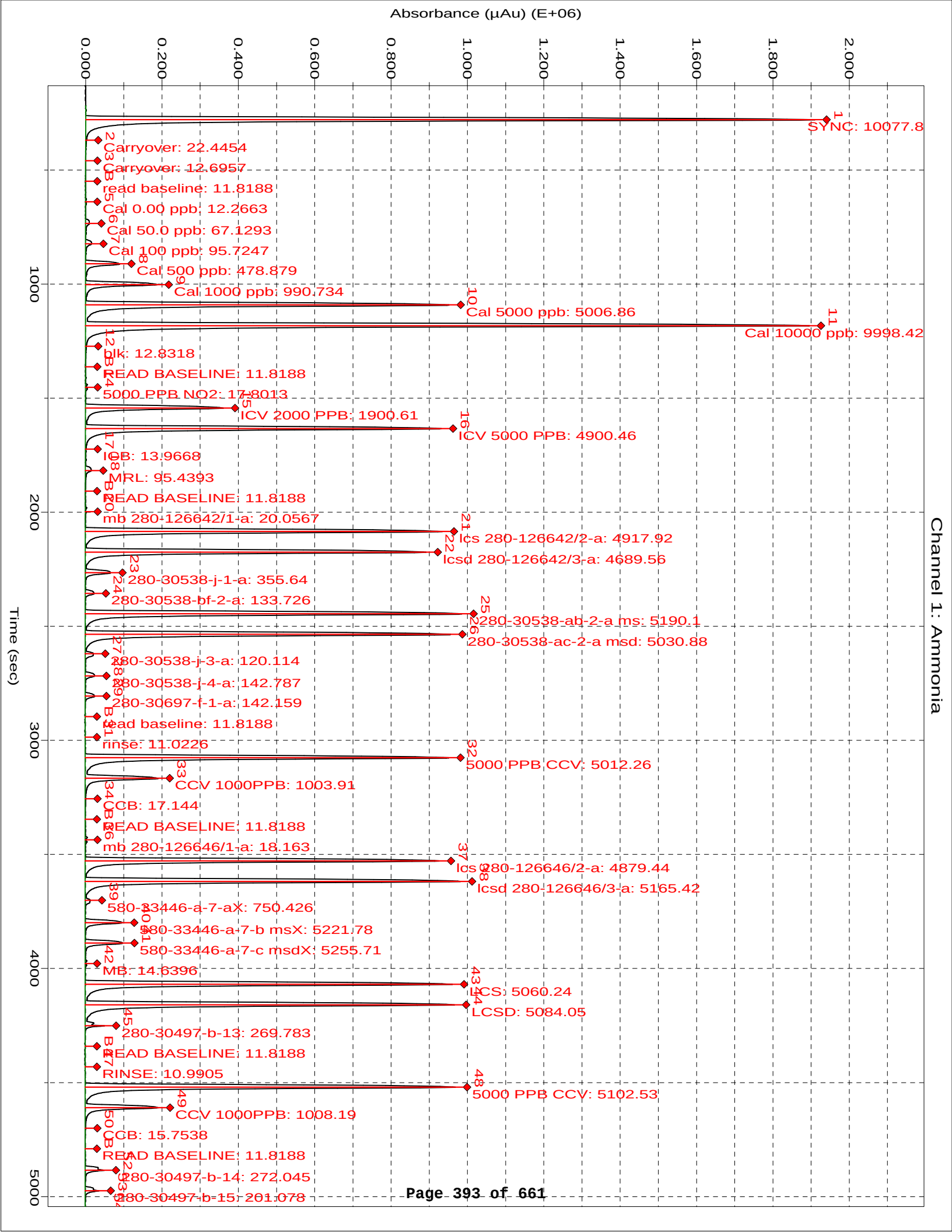
Calib Coef:
x=cyy+by+a
a: (intercept) 1.1819e+01
b: 5.2269e-03
c: 2.3612e-11

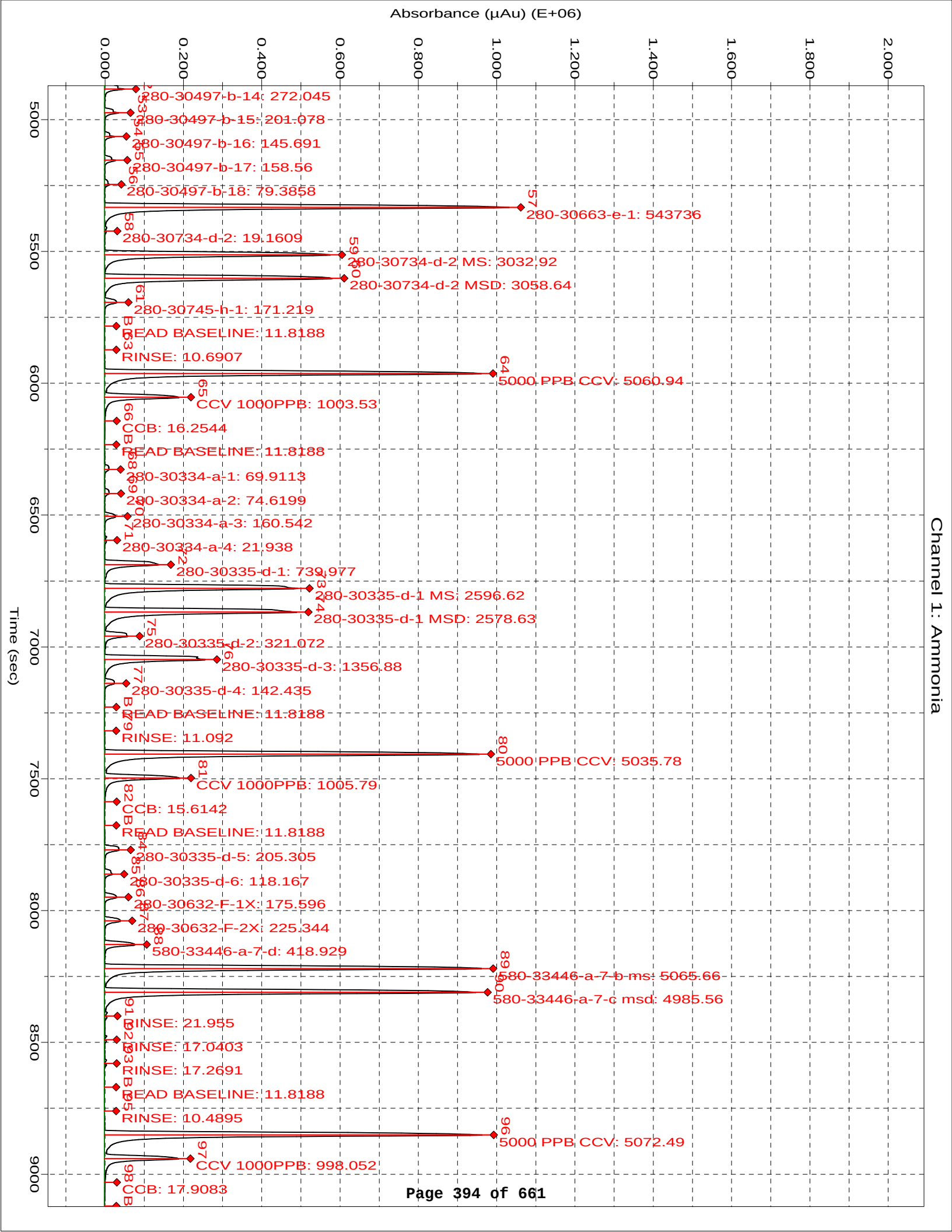
Corr Coef: 0.999994

Carryover: 0.106%

No Drift Peaks


Ammonia:Calibration 1: Peak 5-102
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
Height (E+06)
-0.200
0.000
0.200
0.400
0.600
0.800
1.000
1.200
Conc (E+04)


Absorbance (µAu) (E+06)
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
Time (sec)
1000
2000
3000
4000
5000
Channel 1: Ammonia
1 SYNC: 10077.8
2 Carryover: 22.4454
3 Carryover: 12.6957
4 B read baseline: 11.8188
5 Cal 0.00 ppb: 12.2663
6 Cal 50.0 ppb: 67.1293
7 Cal 100 ppb: 95.7247
8 Cal 500 ppb: 478.879
9 Cal 1000 ppb: 990.734
10 Cal 5000 ppb: 5006.86
11 Cal 10000 ppb: 9998.42
12 blk: 12.8318
13 B READ BASELINE: 11.8188
14 5000 PPB NO2: 17.8013
15 ICV 2000 PPB: 1900.61
16 ICV 5000 PPB: 4900.46
17 ICB: 13.9668
18 B MRL: 95.4393
19 B READ BASELINE: 11.8188
20 mb 280-126642/1-a: 20.0567
21 lcs 280-126642/2-a: 4917.92
22 lcsd 280-126642/3-a: 4689.56
23 280-30538-j-1-a: 355.64
24 280-30538-bf-2-a: 133.726
25 280-30538-ab-2-a ms: 5190.1
26 280-30538-ac-2-a msd: 5030.88
27 280-30538-j-3-a: 120.114
28 280-30538-j-4-a: 142.787
29 280-30697-f-1-a: 142.159
30 B read baseline: 11.8188
31 rinse: 11.0226
32 5000 PPB CCV: 5012.26
33 CCV 1000PPB: 1003.91
34 CCB: 17.144
35 B READ BASELINE: 11.8188
36 mb 280-126646/1-a: 18.163
37 lcs 280-126646/2-a: 4879.44
38 lcsd 280-126646/3-a: 5165.42
39 580-33446-a-7-aX: 750.426
40 580-33446-a-7-b msX: 5221.78
41 580-33446-a-7-c msdX: 5255.71
42 MB: 14.6396
43 LCS: 5060.24
44 LCSD: 5084.05
45 280-30497-b-13: 269.783
46 B READ BASELINE: 11.8188
47 RINSE: 10.9905
48 5000 PPB CCV: 5102.53
49 CCV 1000PPB: 1008.19
50 CCB: 15.7538
51 B READ BASELINE: 11.8188
52 280-30497-b-14: 272.045
53 280-30497-b-15: 201.078


Absorbance (µAu) (E+06)
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
Time (sec)
5000
5500
6000
6500
7000
7500
8000
8500
9000
Channel 1: Ammonia
280-30497-b-14: 272.045
280-30497-b-15: 201.078
280-30497-b-16: 145.691
280-30497-b-17: 158.56
280-30497-b-18: 79.3858
280-30663-e-1: 543736
280-30734-d-2: 19.1609
280-30734-d-2 MS: 3032.92
280-30734-d-2 MSD: 3058.64
280-30745-h-1: 171.219
READ BASELINE: 11.8188
RINSE: 10.6907
5000 PPB CCV: 5060.94
CCV 1000PPB: 1003.53
CCB: 16.2544
READ BASELINE: 11.8188
280-30334-a-1: 69.9113
280-30334-a-2: 74.6199
280-30334-a-3: 160.542
280-30334-a-4: 21.938
280-30335-d-1: 739.977
280-30335-d-1 MS: 2596.62
280-30335-d-1 MSD: 2578.63
280-30335-d-2: 321.072
280-30335-d-3: 1356.88
280-30335-d-4: 142.435
READ BASELINE: 11.8188
RINSE: 11.092
5000 PPB CCV: 5035.78
CCV 1000PPB: 1005.79
CCB: 15.6142
READ BASELINE: 11.8188
280-30335-d-5: 205.305
280-30335-d-6: 118.167
280-30632-F-1X: 175.596
280-30632-F-2X: 225.344
580-33446-a-7-d: 418.929
580-33446-a-7-b ms: 5065.66
580-33446-a-7-c msd: 4985.56
RINSE: 21.955
RINSE: 17.0403
RINSE: 17.2691
READ BASELINE: 11.8188
RINSE: 10.4895
5000 PPB CCV: 5072.49
CCV 1000PPB: 998.052
CCB: 17.9083

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TKN/351.2 SOP # DV-WC-0026

Instrument: ASTORIA Analyst: MWOOLLEY Analysis Date: 7/13/2012

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30335 1-6	WATER	127380	127774	351.2	Q4
480-21698-1	↓	↓	↓	↓	N/A
480-21702 1,4,6,8,11	↓	↓	↓	↓	↓
580-33764-1	↓	↓	↓	↓	↓

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	/			—
2. Correlation coefficient ≥ 0.995 ?	/			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	/			—
4. ICB analyzed immediately after the ICV & results < the RL	/			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	/			—
6. CCB analyzed after every CCV & results < RL?	/			—
7. Absolute value of the intercept is < ± ½ the RL?	/			—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	/			—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	/			—
3. All reported results bracketed by in control CCV results?	/			—
4. Sample analyses done within holding time?	/			—
5. Initial pH check documented for all samples? (If Applicable)	/			—
6. Preparation benchsheet completed and included in package?	/			—
7. Client requirements reviewed and met?	/			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			/	—
9. Do the prep and analysis dates in TALS reflect the actual dates?	/			—
11. Raw data copies prepared, scanned, and uploaded?	/			—
12. Manual integrations done properly and initialed and dated?			/	—
13. STD/True Value information is updated and included?	/			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	/			—
2. Method blank < ½ RL or NCM provided?	/			—
3. LCS/LCSD run for batch and within QC limits?	/			—
4. MS/MSD run at required frequency and within limits or NCM written?	/			—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			/	—

Analyst: _____ Date: 7/14/2012

2nd Level Reviewer : _____ Date: 7/15/12

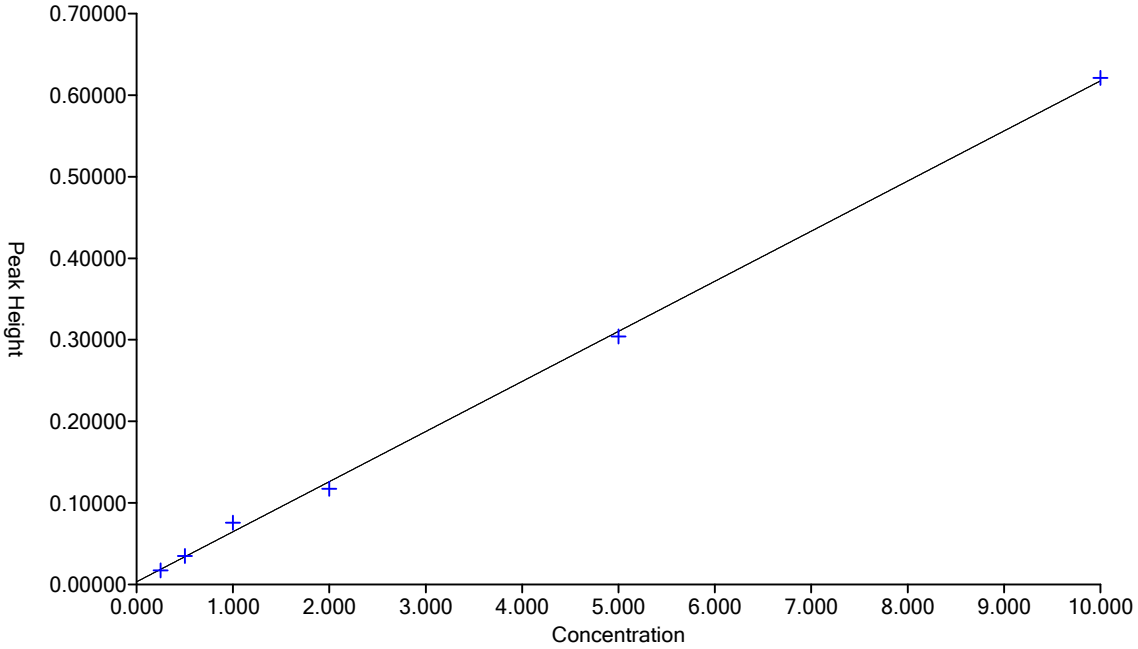
Run Name: 071312TKN
Configuration: TKN
Run date: 7/13/2012

Analyst:
ICV/CCV TV:
LCS/MS TV:

Astoria
TKN
351.2

								TKN Cor Ht	mg/l
	›siti	Identifier	Type	Comme	Date	Time	Total		
1	1:1	SYNC	SYNC	50;351.2	7/13/2012	7:00:00 F	1	0.61697	9.993
2	1:2	CO	Carry over		7/13/2012	7:00:30 F	1	0.00064	-0.041
3	1:3	w	Blank		7/13/2012	7:01:45 F	1	0.00001	-0.051
4	1:4	W	Wash		7/13/2012	7:03:01 F	1	0.00000	-0.051
5	1:5	C1	Calibrant		7/13/2012	7:04:16 F	1	0.01738	0.232
6	1:6	C2	Calibrant		7/13/2012	7:05:31 F	1	0.03505	0.519
7	1:7	C3	Calibrant		7/13/2012	7:06:46 F	1	0.07565	1.180
8	1:8	C4	Calibrant		7/13/2012	7:08:02 F	1	0.11748	1.861
9	1:9	C5	Calibrant		7/13/2012	7:09:17 F	1	0.30394	4.897
10	1:10	C6	Calibrant		7/13/2012	7:10:32 F	1	0.62114	10.061
		Curve #:							1
		Curve Type:							Linear
		Correlation:							0.99953
		Intercept:							0.0031527
		Linear coef:							0.061425

Calibration for TKN

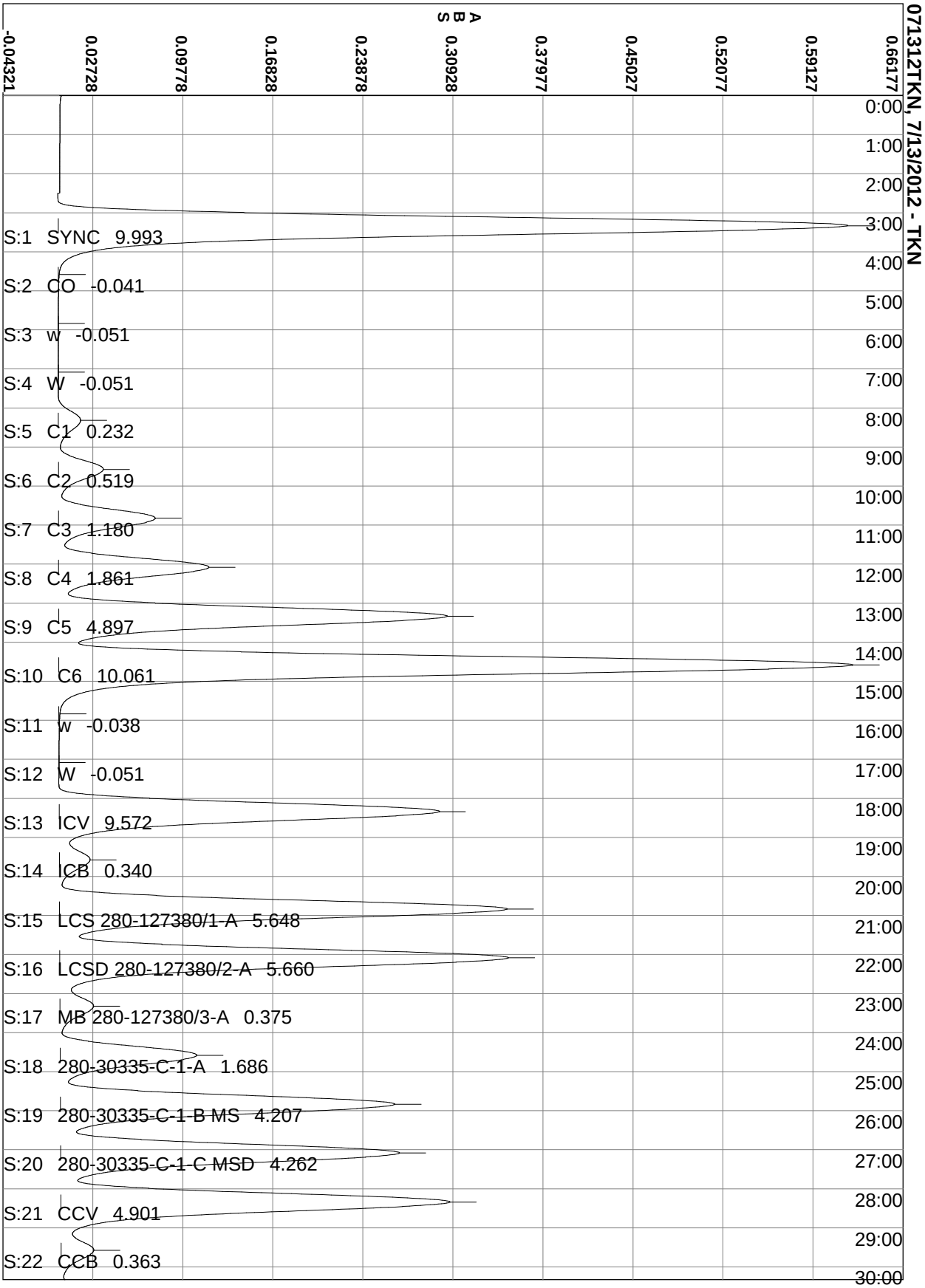


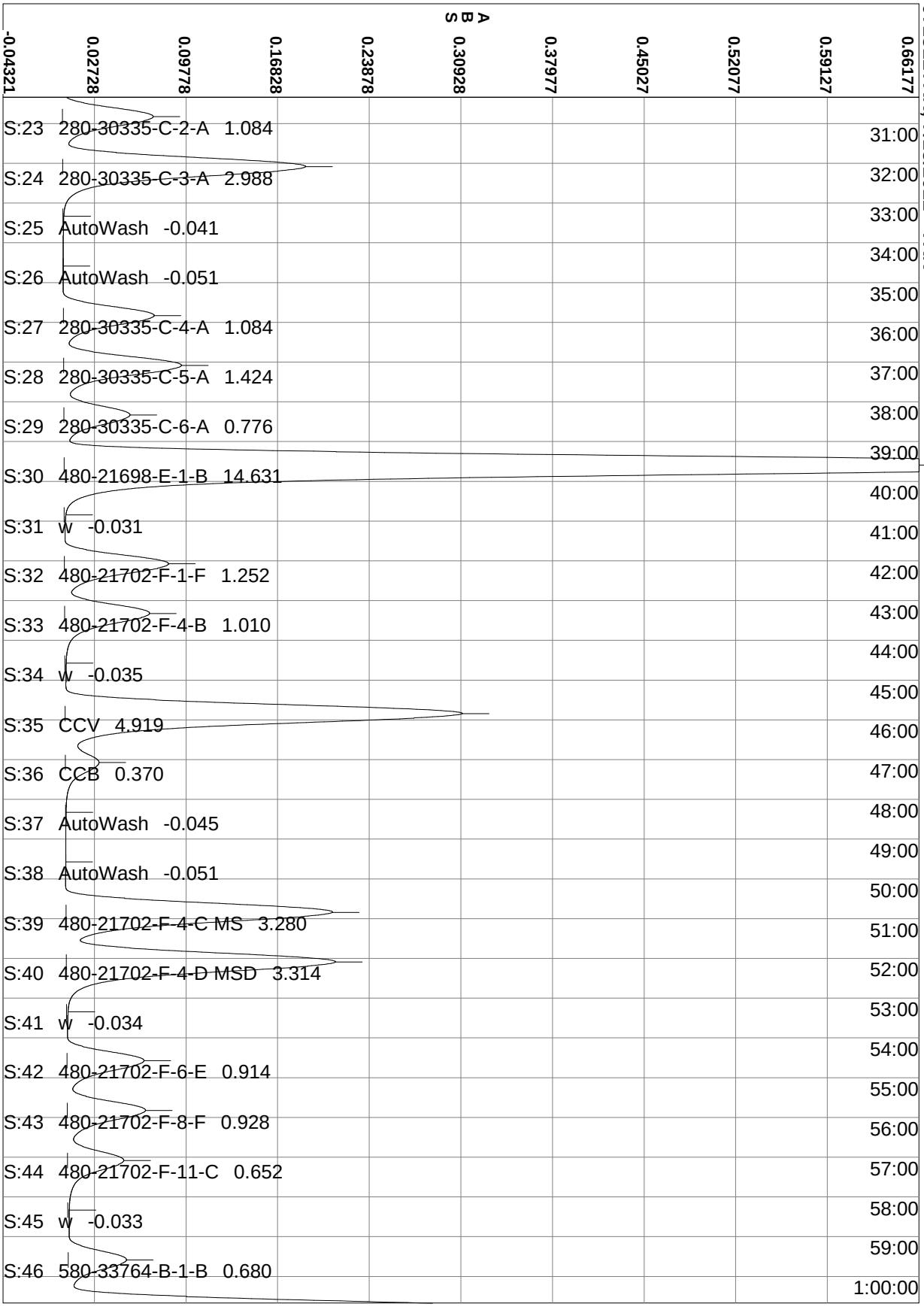
Segment 1: Equation: y = 0.06143x + 0.003153
Correlation: 0.9995
X Range = 0.000 to 10.000
Y Range = 0.00000 to 7.20000

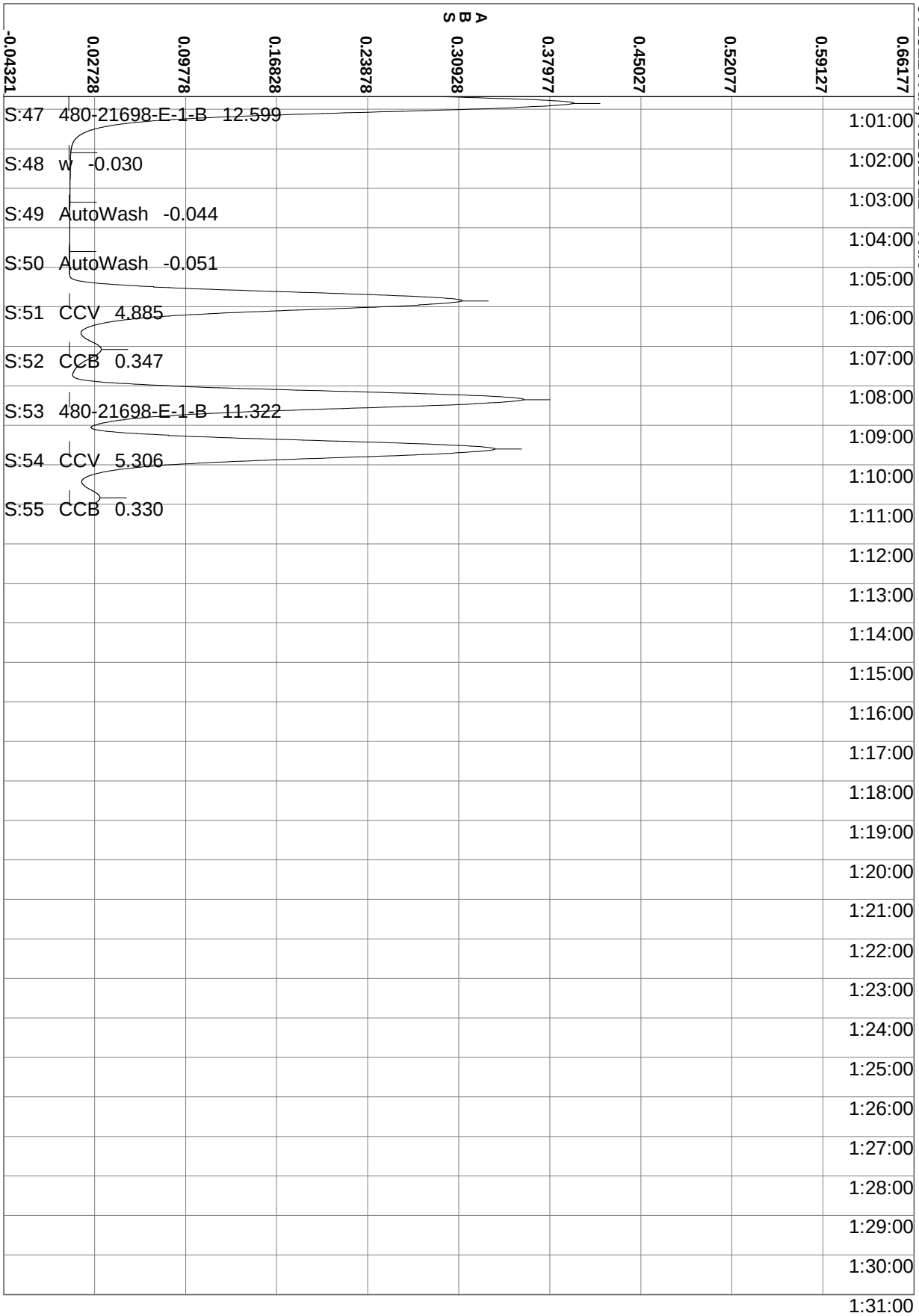
								TKN Cor Ht	mg/l
	›siti	Identifier	Type	Comme	Date	Time	Total		
11	1:13	w	Blank		7/13/2012	7:11:48 F	1	0.00084	-0.038
12	1:14	W	Wash		7/13/2012	7:13:03 F	1	0.00000	-0.051
13	1:15	ICV	ICV		7/13/2012	7:14:18 F	2	0.29713	9.572
14	1:16	ICB	ICB		7/13/2012	7:15:34 F	1	0.02401	0.340
15	1:17	LCS 280-127380/1-A	Unknown		7/13/2012	7:16:49 F	1	0.35006	5.648

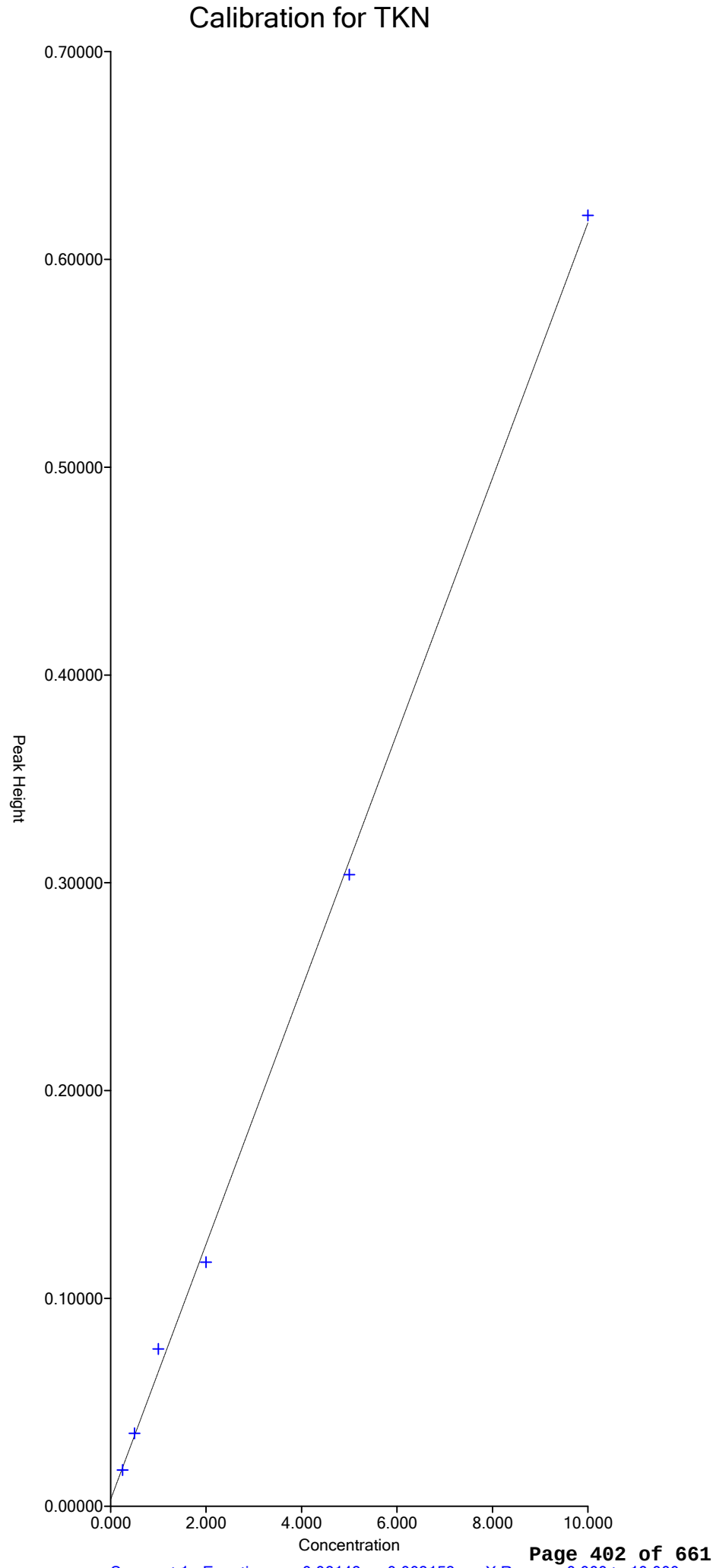
	›siti	Identifier	Type	Comme	Date	Time	Total	TKN Cor Ht	mg/l
16	1:18	LCSD 280-127380/2-A	Unknown		7/13/2012	7:18:04 F	1	0.35084	5.660
17	1:19	MB 280-127380/3-A	Unknown		7/13/2012	7:19:20 F	1	0.02621	0.375
18	1:20	280-30335-C-1-A	Unknown		7/13/2012	7:20:35 F	1	0.10671	1.686
19	1:21	280-30335-C-1-B MS	Unknown		7/13/2012	7:21:50 F	1	0.26154	4.207
20	1:22	280-30335-C-1-C MSI	Unknown		7/13/2012	7:23:06 F	1	0.26493	4.262
21	1:23	CCV	CCV		7/13/2012	7:24:21 F	1	0.30423	4.901
22	1:24	CCB	CCB		7/13/2012	7:25:36 F	1	0.02544	0.363
23	1:25	280-30335-C-2-A	Unknown		7/13/2012	7:26:51 F	1	0.06971	1.084
24	1:26	280-30335-C-3-A	Unknown		7/13/2012	7:28:07 F	1	0.18667	2.988
25	0	AutoWash	AutoWash		7/13/2012	7:29:22 F	1	0.00063	-0.041
26	0	AutoWash	AutoWash		7/13/2012	7:30:37 F	1	0.00000	-0.051
27	1:27	280-30335-C-4-A	Unknown		7/13/2012	7:31:53 F	1	0.06972	1.084
28	1:28	280-30335-C-5-A	Unknown		7/13/2012	7:33:08 F	1	0.09061	1.424
29	1:29	280-30335-C-6-A	Unknown		7/13/2012	7:34:23 F	1	0.05082	0.776
30	1:30	480-21698-E-1-B	Unknown		7/13/2012	7:35:39 F	1	0.90187	14.631
31	1:31	w	Blank		7/13/2012	7:36:54 F	1	0.00124	-0.031
32	1:32	480-21702-F-1-F	Unknown		7/13/2012	7:38:10 F	1	0.08005	1.252
33	1:33	480-21702-F-4-B	Unknown		7/13/2012	7:39:25 F	1	0.06520	1.010
34	1:34	w	Blank		7/13/2012	7:40:41 F	1	0.00102	-0.035
35	1:35	CCV	CCV		7/13/2012	7:41:56 F	1	0.30527	4.919
36	1:36	CCB	CCB		7/13/2012	7:43:11 F	1	0.02589	0.370
37	0	AutoWash	AutoWash		7/13/2012	7:44:26 F	1	0.00041	-0.045
38	0	AutoWash	AutoWash		7/13/2012	7:45:42 F	1	0.00000	-0.051
39	1:37	480-21702-F-4-C MS	Unknown		7/13/2012	7:46:57 F	1	0.20466	3.280
40	1:38	480-21702-F-4-D MSI	Unknown		7/13/2012	7:48:12 F	1	0.20673	3.314
41	1:39	w	Blank		7/13/2012	7:49:28 F	1	0.00106	-0.034
42	1:40	480-21702-F-6-E	Unknown		7/13/2012	7:50:43 F	1	0.05928	0.914
43	1:41	480-21702-F-8-F	Unknown		7/13/2012	7:51:58 F	1	0.06014	0.928
44	1:42	480-21702-F-11-C	Unknown		7/13/2012	7:53:14 F	1	0.04319	0.652
45	1:43	w	Blank		7/13/2012	7:54:29 F	1	0.00113	-0.033
46	1:44	580-33764-B-1-B	Unknown		7/13/2012	7:55:44 F	1	0.04492	0.680
47	1:45	480-21698-E-1-B	Unknown		7/13/2012	7:57:00 F	2	0.39010	12.599
48	1:46	w	Blank		7/13/2012	7:58:15 F	1	0.00133	-0.030
49	0	AutoWash	AutoWash		7/13/2012	7:59:30 F	1	0.00045	-0.044
50	0	AutoWash	AutoWash		7/13/2012	8:00:45 F	1	0.00000	-0.051
51	1:47	CCV	CCV		7/13/2012	8:02:01 F	1	0.30323	4.885
52	1:48	CCB	CCB		7/13/2012	8:03:16 F	1	0.02447	0.347
53	1:49	480-21698-E-1-B	Unknown		7/13/2012	8:04:31 F	2	0.35089	11.322
54	1:50	CCV	CCV		7/13/2012	8:05:47 F	1	0.32905	5.306
55	1:51	CCB	CCB		7/13/2012	8:07:02 F	1	0.02341	0.330
56									
57									
58									
59									
60									
61	0	AutoWash	AutoWash		N/A	N/A	1	???	???
62	0	AutoWash	AutoWash		N/A	N/A	1	???	???
63									

	›siti	Identifier	Type	Comme	Date	Time	Total	TKN Cor Ht	mg/l
64									
65									
66									
67									
68									
69									
70									
71									
72									
73	0	AutoWash	AutoWash		N/A	N/A	1	???	???
74	0	AutoWash	AutoWash		N/A	N/A	1	???	???
75									
76									
77									
78									
79									
80									
81									
82									
83									
84									
85	0	AutoWash	AutoWash		N/A	N/A	1	???	???
86	0	AutoWash	AutoWash		N/A	N/A	1	???	???
87									
88									
89									
90									
91									
92									
93									
94									
95	0	AutoWash	AutoWash		N/A	N/A	1	???	???
96	0	AutoWash	AutoWash		N/A	N/A	1	???	???


071312TKN, 7/13/2012 - TKN
ABS
-0.04321
0.02728
0.09778
0.16828
0.23878
0.30928
0.37977
0.45027
0.52077
0.59127
0.66177
0:00
1:00
2:00
3:00
4:00
5:00
6:00
7:00
8:00
9:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
24:00
25:00
26:00
27:00
28:00
29:00
30:00
S:1 SYNC 9.993
S:2 CO -0.041
S:3 w -0.051
S:4 W -0.051
S:5 C1 0.232
S:6 C2 0.519
S:7 C3 1.180
S:8 C4 1.861
S:9 C5 4.897
S:10 C6 10.061
S:11 w -0.038
S:12 W -0.051
S:13 ICV 9.572
S:14 ICB 0.340
S:15 LCS 280-127380/1-A 5.648
S:16 LCSD 280-127380/2-A 5.660
S:17 MB 280-127380/3-A 0.375
S:18 280-30335-C-1-A 1.686
S:19 280-30335-C-1-B MS 4.207
S:20 280-30335-C-1-C MSD 4.262
S:21 CCV 4.901
S:22 CCB 0.363


071312TKN, 7/13/2012 - TKN
ABS
-0.04321
0.02728
0.09778
0.16828
0.23878
0.30928
0.37977
0.45027
0.52077
0.59127
0.66177
S:23 280-30335-C-2-A 1.084
S:24 280-30335-C-3-A 2.988
S:25 AutoWash -0.041
S:26 AutoWash -0.051
S:27 280-30335-C-4-A 1.084
S:28 280-30335-C-5-A 1.424
S:29 280-30335-C-6-A 0.776
S:30 480-21698-E-1-B 14.631
S:31 w -0.031
S:32 480-21702-F-1-F 1.252
S:33 480-21702-F-4-B 1.010
S:34 w -0.035
S:35 CCV 4.919
S:36 CCB 0.370
S:37 AutoWash -0.045
S:38 AutoWash -0.051
S:39 480-21702-F-4-C MS 3.280
S:40 480-21702-F-4-D MSD 3.314
S:41 w -0.034
S:42 480-21702-F-6-E 0.914
S:43 480-21702-F-8-F 0.928
S:44 480-21702-F-11-C 0.652
S:45 w -0.033
S:46 580-33764-B-1-B 0.680
31:00
32:00
33:00
34:00
35:00
36:00
37:00
38:00
39:00
40:00
41:00
42:00
43:00
44:00
45:00
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48:00
49:00
50:00
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52:00
53:00
54:00
55:00
56:00
57:00
58:00
59:00
1:00:00


071312TKN, 7/13/2012 - TKN
ABS
-0.04321
0.02728
0.09778
0.16828
0.23878
0.30928
0.37977
0.45027
0.52077
0.59127
0.66177
S:47 480-21698-E-1-B 12.599
S:48 w -0.030
S:49 AutoWash -0.044
S:50 AutoWash -0.051
S:51 CCV 4.885
S:52 CCB 0.347
S:53 480-21698-E-1-B 11.322
S:54 CCV 5.306
S:55 CCB 0.330
1:01:00
1:02:00
1:03:00
1:04:00
1:05:00
1:06:00
1:07:00
1:08:00
1:09:00
1:10:00
1:11:00
1:12:00
1:13:00
1:14:00
1:15:00
1:16:00
1:17:00
1:18:00
1:19:00
1:20:00
1:21:00
1:22:00
1:23:00
1:24:00
1:25:00
1:26:00
1:27:00
1:28:00
1:29:00
1:30:00
1:31:00



Segment 1: Equation: y = 0.06143x + 0.003153
Correlation: 0.9995
X Range = 0.000 to 10.000
Y Range = 0.00000 to 7.20000

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: COD 410.4 **SOP #** DV-WC-0018

Instrument: HACH Spec **Analyst:** M. Fayard **Analysis Date:** 6/16/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30117-1	Water	NA	124298	410.4	NA
280-30007-1	↓	↓	↓	↓	↓
280-29966-6					
280-29975-1					
280-29988-1					
280-30081-1-5					
280-30093-1					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			–
2. Correlation coefficient ≥ 0.995 ?	✓			–
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			–
4. ICB analyzed immediately after the ICV & results < the RL	✓			–
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			–
6. CCB analyzed after every CCV & results < RL?	✓			–
7. Absolute value of the intercept is < ± ½ the RL?			✓	–
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			–
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			–
3. All reported results bracketed by in control CCV results?	✓			–
4. Sample analyses done within holding time?	✓			–
5. Initial pH check documented for all samples? (If Applicable)	✓			–
6. Preparation benchsheet completed and included in package?			✓	–
7. Client requirements reviewed and met?	✓			–
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	–
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			–
11. Raw data copies prepared, scanned, and uploaded?	✓			–
12. Manual integrations done properly and initialed and dated?			✓	–
13. STD/True Value information is updated and included?	✓			–
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			–
2. Method blank < ½ RL or NCM provided?	✓			–
3. LCS/LCSD run for batch and within QC limits?	✓			–
4. MS/MSD run at required frequency and within limits or NCM written?	✓			–
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	–

Analyst: [signature] **Date:** 6/19/12

2nd Level Reviewer : [signature] **Date:** 6.20.12

Test Name/ Method #: COD 410.4 **SOP #** DV-WC-0018

Instrument: HACH SPEC **Analyst:** M. FAYARD **Analysis Date:** 6/16/12

Lot / Sample Numbers	Matrix	Batch	Method	Special Inst
280-30116-1	Water	124298	410.4	NA
280-29669-9,19,32,42	↓	↓	↓	DOE
280-29669-52462				DOE

NA 6/19/12

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: COD - 410.4 **SOP #** DV-WC-0018

Instrument: HACH Spec **Analyst:** M. Faynor **Analysis Date:** 6/26/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30282-9	Water	NA	125624	410.4	Q4
280-30334-1-4	↓	↓	↓	↓	Q4
280-30335-1-6					Q4
	6/26/12				

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			—
2. Correlation coefficient ≥ 0.995 ?	✓			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			—
4. ICB analyzed immediately after the ICV & results < the RL	✓			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			—
6. CCB analyzed after every CCV & results < RL?	✓			—
7. Absolute value of the intercept is < ± ½ the RL?	✓			—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?			✓	—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?			✓	—
3. All reported results bracketed by in control CCV results?	✓			—
4. Sample analyses done within holding time?	✓			—
5. Initial pH check documented for all samples? (If Applicable)	✓			—
6. Preparation benchsheet completed and included in package?			✓	—
7. Client requirements reviewed and met?	✓			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	—
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
11. Raw data copies prepared, scanned, and uploaded?	✓			—
12. Manual integrations done properly and initialed and dated?			✓	—
13. STD/True Value information is updated and included?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?	✓			—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	—

Analyst: [signature] **Date:** 6/26/12

2nd Level Reviewer : [signature] **Date:** 6/26/12

TestAmerica

Wet Chemistry Data Review Checklist
Direct Measurement Methods (pH, Conductance, etc.)

Test Name/Method #: Color **Analysis Date** 6 22 12

SOP #: DV WC 0058 **Analyst:** DA **Instrument:** Nessler tubes

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280 30335/1-6	Water	NA	126227	21208	NA
280 30334/1-4	1	1	1	1	1
					DA 6 30 12

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the instrument properly standardized?	✓			✓
2. Second-source ICV analyzed immediately after instrument standardization & recovery ± 10% of true value?			✓	✓
3. ICB analyzed immediately after ICV & results < the RL?			✓	✓
4. CCV analyzed after every ten samples & recovery ± 10% of true value?			✓	✓
5. CCB analyzed after every CCV & all results < the RL?			✓	✓
B. Sample Results				
1. pH sample and duplicate within ± 0.1 units?			✓	✓
1. Are all sample dilutions appropriate and do associated RLs reflect required dilutions or limited sample volumes?	✓			✓
2. All reported results bracketed by in control CCV results?			✓	✓
3. Sample analyses done within holding time?	✓			✓
4. Preparation benchsheet completed and included in package (if applicable)?	✓			✓
5. Special client requirements reviewed and met?	✓			✓
6. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓			✓
7. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
8. STD/True Value information is updated and included?	✓			✓
9. Raw data copies prepared, scanned, and uploaded?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?			✓ DA	✓
4. Sample DUP run at required frequency and RPD within established limits?	✓			✓

Analyst: [signature] **Date:** 6 30 12

2nd Level Reviewer : [signature] **Date:** 7/3/12

5/18/10 Version 2
QA/Edit/Forms/Data Review\Direct Measurement Methods Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver Wet Chemistry Data Review Checklist
For Titration Methods

ANALYTE: Hardness ANALYST: AA ANALYSIS DATE: 7/17/12 SOP: WC-0060

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30282	W	N/A	128017	2340C	
30334	↓	↓	↓	↓	
30335	↓	↓	↓	↓	
30813	↓	↓	↓	↓	

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the normality of the titrant verified and found acceptable?	✓			—
B. Sample Results				
1. Are all sample dilutions appropriate and do associated RLs/MDLs reflect required dilutions or limited sample volume?	✓			—
2. All reported results bracketed by in control CCV/CCB?	✓		✓	—
3. Sample analyses done within holding time?	✓			—
4. Initial pH check documented for all samples (if required)?			✓	—
5. Preparation benchsheet completed and included in package (if applicable)?	✓			—
6. Special client requirements checked?	✓			—
7. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures? (If Applicable)	✓			—
8. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
9. STD/True Value information is updated and included?	✓			—
10. Raw data copies prepared, scanned, and uploaded?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?	✓			—
5. DUP run at required frequency and RPD within 20% or NCM written?			✓	—

Analyst: _____ **Date:** 7/17/12

Comments: _____

2nd Level Reviewer : _____ **Date:** 7/17/12

Comments: _____

7/17

HARDNESS BY TITRATION

Analyst:	AA	**Titration Solutions**		**SOP Information:**	**Rep. / Detection Limits**
Date:	7/17/2012	Solution 1:	EDTA	Number: DV-WC-0060	MDL 0
QC Batch:		Source:	RICCA	Revision: No.3 05/10	Rep. Limit 2
MS Run:		LOT#	_00010	**Calibration Information**	
Time:9:30		Normality:	0.01980	Std# Hard 00021	
2340C		Exp. Date:	7/31/2013	Lot #	
		Std#	22	Made By: LabChem	
Pipette Verification	4.97			Concentration:1000	
at 5mls:		5000n		Exp: 3/11/13	
Brinkmann bottletop		5000x		DCS True Value: 400.00	
Buret 50				Spike True Value: 200.00	

Lot Number	Work Order	Sample Volume	Buret Start	Buret Stop	Flags	Final mL	Concentratn mg/L	Prep D.F.	Analyt. D.F.	Final Conc mg/L	% Rec.
	titrant stdz	10	0.00	10.13		10.13	1002.979	1	1	1002.98	0.01974
	titrant stdz	10	0.00	10.07		10.07	997.038	1	1	997.04	0.01986
	MB	25	0.00	0.00		0.00	0.000	1	1	0.00	
	LCS	25	0.00	10.05		10.05	398.023	1	1	398.02	
	LCS	25	0.00	10.11		10.11	400.400	1	1	400.40	
280-30282-E-1	X	25	0.00	11.68		11.68	462.578	1	1	462.58	
280-30282-E-1 MS	X	25	0.00	21.42		21.42	848.324	1	1	848.32	
280-30282-E-1 MSD	X	25	0.00	21.87		21.87	866.146	1	1	866.15	
280-30282-E-2	X	25	0.00	2.34		2.34	92.674	1	1	92.67	
280-30282-E-3	X	25	0.00	1.88		1.88	74.456	1	1	74.46	
280-30282-E-4	X	25	0.00	7.79		7.79	308.518	1	1	308.52	
280-30282-E-5	X	25	0.00	10.32		10.32	408.716	1	1	408.72	
280-30282-E-6	x	25	0.00	10.47		10.47	414.657	1	1	414.66	
280-30282-E-7	x	25	0.00	4.33		4.33	171.487	1	1	171.49	
280-30282-E-8	x	25	0.00	7.67		7.67	303.765	1	1	303.77	
280-30282-E-9	x	25	0.00	0.00		0.00	0.000	1	1	0.00	
280-30334-E-1	x	25	0.00	7.62		7.62	301.785	1	1	301.78	
280-30334-E-2	x	25	0.00	7.81		7.81	309.310	1	1	309.31	
280-30334-E-3	x	25	0.00	5.86		5.86	232.081	1	1	232.08	
280-30334-E-4	x	25	0.00	4.01		4.01	158.813	1	1	158.81	
280-30335-E-1	x	25	0.00	9.55		9.55	378.221	1	1	378.22	
280-30335-E-2	x	25	0.00	8.10		8.10	320.795	1	1	320.79	
280-30335-E-3	x	25	0.00	11.83		11.83	468.519	1	1	468.52	
280-30335-E-4	x	25	0.00	4.85		4.85	192.081	1	1	192.08	
280-30335-E-5	x	25	0.00	4.58		4.58	181.388	1	1	181.39	
280-30335-E-6	x	25	0.00	0.00		0.00	0.000	1	1	0.00	
280-30813-I-3	x	25	0.00	10.80		10.80	427.727	1	1	427.73	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	

Buffer:	Hardness Buffer _00012	
Exp:	10 18 12	
Calmagit	_00001	Exp:06/22/13

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/22/2012 8:47:42 AM by WETCHEMD
#Samples: 50 Last Update: 6/25/2012 7:09:09 PM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time	Weight
1	RT CHECK	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:14:11 PM	1.0000
2	cal1	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:31:00 PM	1.0000
3	cal2	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:47:48 PM	1.0000
4	cal3	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:04:36 PM	1.0000
5	cal4	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:21:25 PM	1.0000
6	cal5	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:38:13 PM	1.0000
7	cal6	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:55:01 PM	1.0000
8	BLK	Unknown	6	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:11:49 PM	1.0000
9	ICV STD#00816	Unknown	201	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:28:37 PM	1.0000
10	ICB	Unknown	186	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:45:26 PM	1.0000
11	ICV STD#00821	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:34:16 AM	1.0000
12	ICB	Unknown	187	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:55:13 AM	1.0000
13	MRL 0.05	Unknown	202	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 9:12:01 AM	1.0000
14	MRL 0.02	Unknown	203	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 9:28:49 AM	1.0000
15	LCS STD#00821	Unknown	194	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 9:45:38 AM	1.0000
16	LCSD	Unknown	193	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 10:02:26 AM	1.0000
17	MB	Unknown	143	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 10:33:42 AM	1.0000
18	280-30335-b-1	Unknown	139	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 11:55:02 AM	1.0000
19	280-30335-b-2	Unknown	175	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:11:50 PM	1.0000
20	DU 280-30335-b-2	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:28:39 PM	1.0000
21	MS 280-30335-b-2	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:45:27 PM	1.0000
22	MSD 280-30335-b-2	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 1:02:15 PM	1.0000
23	280-30335-b-3	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 1:19:03 PM	1.0000
24	280-30335-b-4	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 1:35:51 PM	1.0000
25	280-30335-b-5	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 1:52:39 PM	1.0000
26	280-30335-b-6	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 2:09:28 PM	1.0000
27	280-30328-a-1 5X	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 2:26:16 PM	1.0000
28	CCV	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 2:43:04 PM	1.0000
29	CCB	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 2:59:52 PM	1.0000
30	280-30328-a-2	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 3:16:41 PM	1.0000
31	280-30334-b-1	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 3:33:29 PM	1.0000
32	280-30334-b-2	Unknown	411	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 3:50:17 PM	1.0000
33	280-30334-b-3	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 4:07:06 PM	1.0000
34	280-30334-b-4	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 4:23:54 PM	1.0000
35	DU 280-30334-b-4	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 4:40:42 PM	1.0000
36	280-30338-a-4 2X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 4:57:30 PM	1.0000
37	280-30338-a-33	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 5:14:19 PM	1.0000
38	280-30338-a-38	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 5:31:06 PM	1.0000
39	280-30328-a-1 100X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 5:47:55 PM	1.0000
40	CCV	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 6:04:43 PM	1.0000
41	CCB	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 6:21:31 PM	1.0000
42	280-30361-a-1	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 6:38:19 PM	1.0000
43	280-30334-b-1 5x	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 6:55:08 PM	1.0000
44	280-30334-b-2 5x	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 7:11:56 PM	1.0000

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/22/2012 8:47:42 AM by WETCHEMD
#Samples: 50 Last Update: 6/25/2012 7:09:09 PM by WETCHEMD

No.	Name	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	RT CHECK	1.0000	1.0000	100		EMK
2	cal1	1.0000	1.0000	101		EMK
3	cal2	1.0000	1.0000	102		EMK
4	cal3	1.0000	1.0000	103		EMK
5	cal4	1.0000	1.0000	104		EMK
6	cal5	1.0000	1.0000	105		EMK
7	cal6	1.0000	1.0000	106		EMK
8	BLK	1.0000	1.0000	107		EMK
9	ICV STD#00816	1.0000	1.0000	108		EMK
10	ICB	1.0000	1.0000	109		EMK
11	ICV STD#00821	1.0000	1.0000	110		EMK
12	ICB	1.0000	1.0000	111		EMK
13	MRL 0.05	1.0000	1.0000	112		EMK
14	MRL 0.02	1.0000	1.0000	113		EMK
15	LCS STD#00821	1.0000	1.0000	114		EMK
16	LCSD	1.0000	1.0000	115		EMK
17	MB	1.0000	1.0000	116		EMK
18	280-30335-b-1	1.0000	1.0000	117		EMK
19	280-30335-b-2	1.0000	1.0000	118		EMK
20	DU 280-30335-b-2	1.0000	1.0000	119		EMK
21	MS 280-30335-b-2	1.0000	1.0000	120		EMK
22	MSD 280-30335-b-2	1.0000	1.0000	121		EMK
23	280-30335-b-3	1.0000	1.0000	122		EMK
24	280-30335-b-4	1.0000	1.0000	123		EMK
25	280-30335-b-5	1.0000	1.0000	124		EMK
26	280-30335-b-6	1.0000	1.0000	125		EMK
27	280-30328-a-1 5X	5.0000	1.0000	126		EMK
28	CCV	1.0000	1.0000	127		EMK
29	CCB	1.0000	1.0000	128		EMK
30	280-30328-a-2	1.0000	1.0000	129		EMK
31	280-30334-b-1	1.0000	1.0000	130		EMK
32	280-30334-b-2	1.0000	1.0000	131		EMK
33	280-30334-b-3	1.0000	1.0000	132		EMK
34	280-30334-b-4	1.0000	1.0000	133		EMK
35	DU 280-30334-b-4	1.0000	1.0000	134		EMK
36	280-30338-a-4 2X	2.0000	1.0000	135		EMK
37	280-30338-a-33	1.0000	1.0000	136		EMK
38	280-30338-a-38	1.0000	1.0000	137		EMK
39	280-30328-a-1 100X	100.0000	1.0000	138		EMK
40	CCV	1.0000	1.0000	139		EMK
41	CCB	1.0000	1.0000	140		EMK
42	280-30361-a-1	1.0000	1.0000	141		EMK
43	280-30334-b-1 5x	5.0000	1.0000	142		EMK
44	280-30334-b-2 5x	5.0000	1.0000	143		EMK

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/22/2012 8:47:42 AM by WETCHEMD
#Samples: 50 Last Update: 6/25/2012 7:09:09 PM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time	Weight
45	280-30338-a-4 50x	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 7:28:44 PM	1.0000
46	280-30338-a-33 10x	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 7:45:33 PM	1.0000
47	280-30338-a-38 5x	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:02:21 PM	1.0000
48	CCV	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:19:09 PM	1.0000
49	CCB	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:35:57 PM	1.0000
50	END	Unknown	421	10.0	stop	7 ANION AS11	Finished	6/22/2012 8:52:46 PM	1.0000

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/22/2012 8:47:42 AM by WETCHEMD
#Samples: 50 Last Update: 6/25/2012 7:09:09 PM by WETCHEMD

No.	Name	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
45	280-30338-a-4 50x	50.0000	1.0000	144		EMK
46	280-30338-a-33 10x	10.0000	1.0000	145		EMK
47	280-30338-a-38 5x	5.0000	1.0000	146		EMK
48	CCV	1.0000	1.0000	147		EMK
49	CCB	1.0000	1.0000	148		EMK
50	END	1.0000	1.0000	149		EMK

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

	Pressure.LowerLimit =	200 [psi]
	Pressure.UpperLimit =	3000 [psi]
	%A.Equate =	"DI H2O"
	CR_TC =	On
	Pump_InjectValve.State	LoadPosition
	Data_Collection_Rate =	5.0 [Hz]
	CellTemperature.Nominal =	35.0 [°C]
	ColumnTemperature.Nominal =	30.0 [°C]
	Suppressor_Type =	ASRS_4mm
	; Pump_ECD.Hydroxide =	50.0
	; Pump_ECD.Recommended Current =	124
	; Pump_ECD.Carbonate =	0.0
	; Pump_ECD.Bicarbonate =	0.0
	; Pump_ECD.Tetraborate =	0.0
	; Pump_ECD.Other eluent =	0.0
	Suppressor_Current =	125 [mA]
	Flow =	1.00 [ml/min]
-2.700	Pump_ECD_Relay_1.Open	Duration=0.01
	Concentration =	10.00 [mM]
	Curve =	5
-2.500	Pump_ECD_Relay_1.Closed	Duration=0.01
0.000	Autozero	
	ECD_1.AcqOn	
	Pump_InjectValve.InjectPosition	Duration=720.00
7.500	Concentration =	10.00 [mM]
	Curve =	5
10.500	Concentration =	40.00 [mM]
	Curve =	5
10.600	Concentration =	50.00 [mM]
	Curve =	5
12.500	Concentration =	50.00 [mM]
	Curve =	5
12.600	Concentration =	10.00 [mM]
	Curve =	5
13.000	Concentration =	10.00 [mM]

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Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Curve =                          5

14.000     ECD_1.AcqOff
           End
```

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ
Timebase: ICS-8
Created: 3/20/2008 10:44:59 AM by kudlae
Changed: 3/31/2008 10:13:48 AM by kudlae

No.	Channel	Operation	Parameters

Title: Stop
Datasource: D3YCYMF1_local Created: 3/11/2008 4:10:47 PM by Test America Labs
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ
Timebase: ICS-8 Changed: 3/11/2008 4:10:47 PM by Test America Labs

```
           ColumnTemperature =                Off
           CellTemperature.Nominal =          Off
; Pump_ECD.Hydroxide =                        50.0
; Pump_ECD.Recommended Current =              124
; Pump_ECD.Carbonate =                        0.0
; Pump_ECD.Bicarbonate =                      0.0
; Pump_ECD.Tetraborate =                      0.0
; Pump_ECD.Other eluent =                     0.0
           Pressure.LowerLimit =              200
           Pressure.UpperLimit =              3000
           %A.Equate =                        "DI H2O"
           CR_TC =                            Off
           ;LoadPosition
           Data_Collection_Rate =             5.0
           Suppressor_Type =                  ASRS_4mm
           Suppressor_Current =               124
           Suppressor_Mode =                  Off
           ECD_Total.Step =                   0.50
           ECD_Total.Average =                Off
           Channel_Pressure.Step =            0.50
           Channel_Pressure.Average =         Off

           Pump_ECD_Relay_1.Open
           Concentration =                    10.00
           Curve =                            5

           Pump_ECD_Relay_1.State             Open
           Mode =                             Off
           Flow =                             1.00

 0.000     off

           End
```

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Title: Stop
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ
Timebase: ICS-8
Created: 3/11/2008 4:10:47 PM by Test America Labs
Changed: 3/11/2008 4:10:47 PM by Test America Labs

No.	Channel	Operation	Parameters

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Blank Run Subtraction: No Blank Run Subtraction

Detection Table:

No.	Ret. Time [min]	Param. Name	Param. Value	Channel
1	0.000	Minimum Area	0.5E-3 "[Signal]*min"	All Channels
2	0.000	Sensitivity	0.8E-3 "[Signal]"	All Channels
3	0.000	Inhibit Integration	On	All Channels
4	0.000	Valley to Valley	On	All Channels
5	0.000	Fronting Sensitivity Factor	5.0	All Channels
6	0.000	Tailing Sensitivity Factor	6.0	All Channels
7	1.500	Void Volume Treatment	On	All Channels
8	1.500	Inhibit Integration	Off	All Channels
9	1.800	Void Volume Treatment	Off	All Channels
10	2.000	Maximum Width	0.75 min	All Channels
11	8.200	Inhibit Integration	On	All Channels
12	11.000	Inhibit Integration	Off	All Channels

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Group	Comment	Amount BLK	Amount cal1
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*		*Autogenerated*	*0.000000*	*0.200000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Amount cal2	Amount cal3	Amount cal4	Amount cal5	Amount cal6
1	*Fluoride*	*1.900 min*	*0.500000*	*1.000000*	*4.000000*	*8.000000*	*10.000000*
2	Acetate	2.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
3	Chloride	3.300 min	2.500000	5.000000	20.000000	40.000000	50.000000
4	Nitrite	3.800 min	0.500000	1.000000	4.000000	8.000000	10.000000
5	Bromide	6.300 min	0.500000	1.000000	4.000000	8.000000	10.000000
6	Nitrate	7.000 min	0.500000	1.000000	4.000000	8.000000	10.000000
7	Sulfate	11.400 min	2.500000	5.000000	20.000000	40.000000	50.000000
8	Ortho as P	12.600 min	0.500000	1.000000	4.000000	8.000000	10.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Left Limit	Right Limit	Group	Resp.Fact.
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*	*0.000*	*0.000*		*1.000000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Comment
1	*Fluoride*	*1.900 min*	*Autogenerated*
2	Acetate	2.700 min	Autogenerated
3	Chloride	3.300 min	Autogenerated
4	Nitrite	3.800 min	Autogenerated
5	Bromide	6.300 min	Autogenerated
6	Nitrate	7.000 min	Autogenerated
7	Sulfate	11.400 min	Autogenerated
8	Ortho as P	12.600 min	Autogenerated

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Smp.No.	Pos.	Inj. Vol.	Weight	ISTD Amount	Dil. Factor	Inj. Date/Time	Sample Comment
1	☒	cal1	2	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:31:	EMK
2	☒	cal2	3	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:47:	EMK
3	☒	cal3	4	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:04:	EMK
4	☒	cal4	5	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:21:	EMK
5	☒	cal5	6	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:38:	EMK
6	☒	cal6	7	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:55:	EMK

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Calib.	Comment
1	☒	cal1	Ok	
2	☒	cal2	Ok	
3	☒	cal3	Ok	
4	☒	cal4	Ok	
5	☒	cal5	Ok	
6	☒	cal6	Ok	

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Sample Condition	Test Condition	Aggregate	Operator	Value	Channel	Peak	N.A.
1									

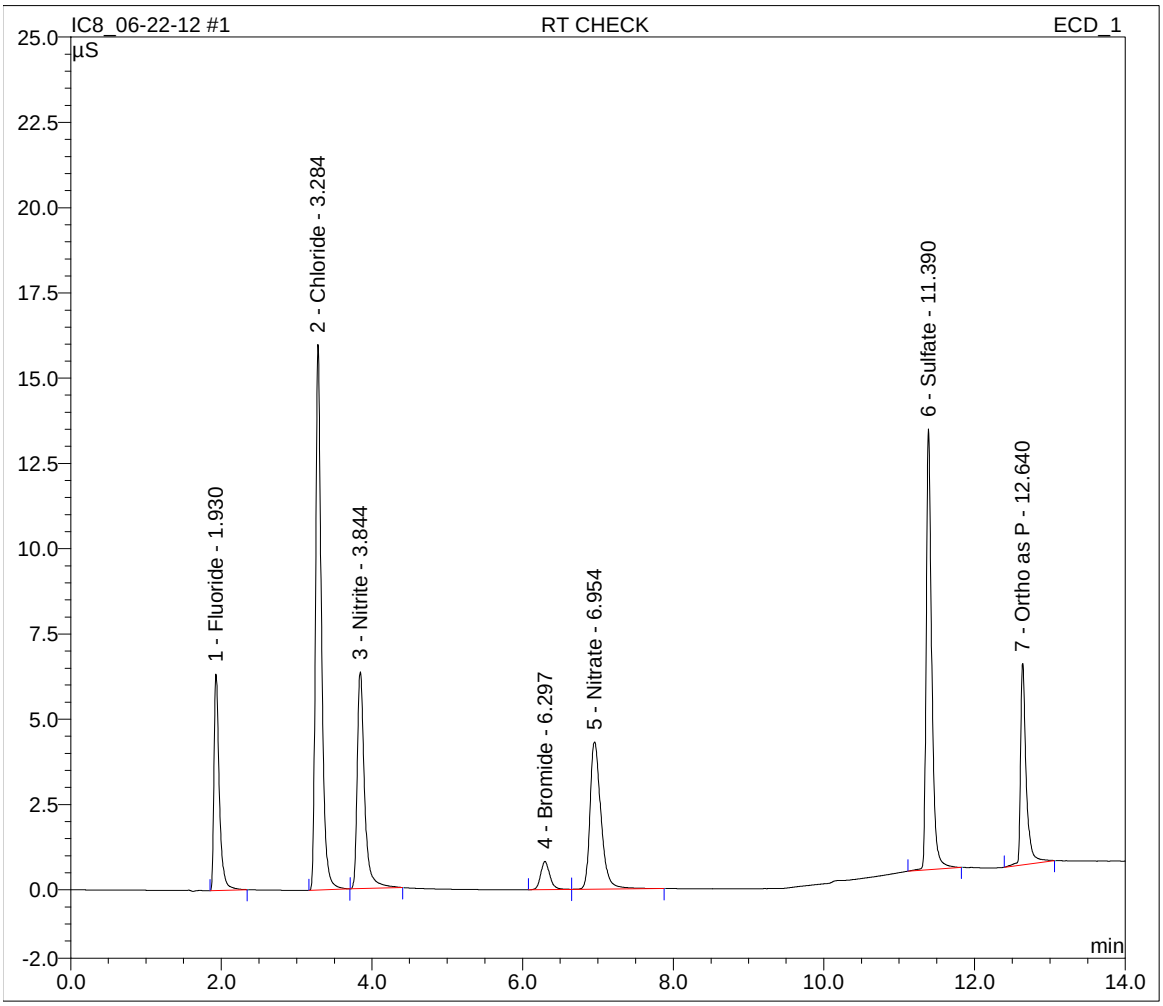
Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Fail-Action	Result	SST Message	Rounding
1					

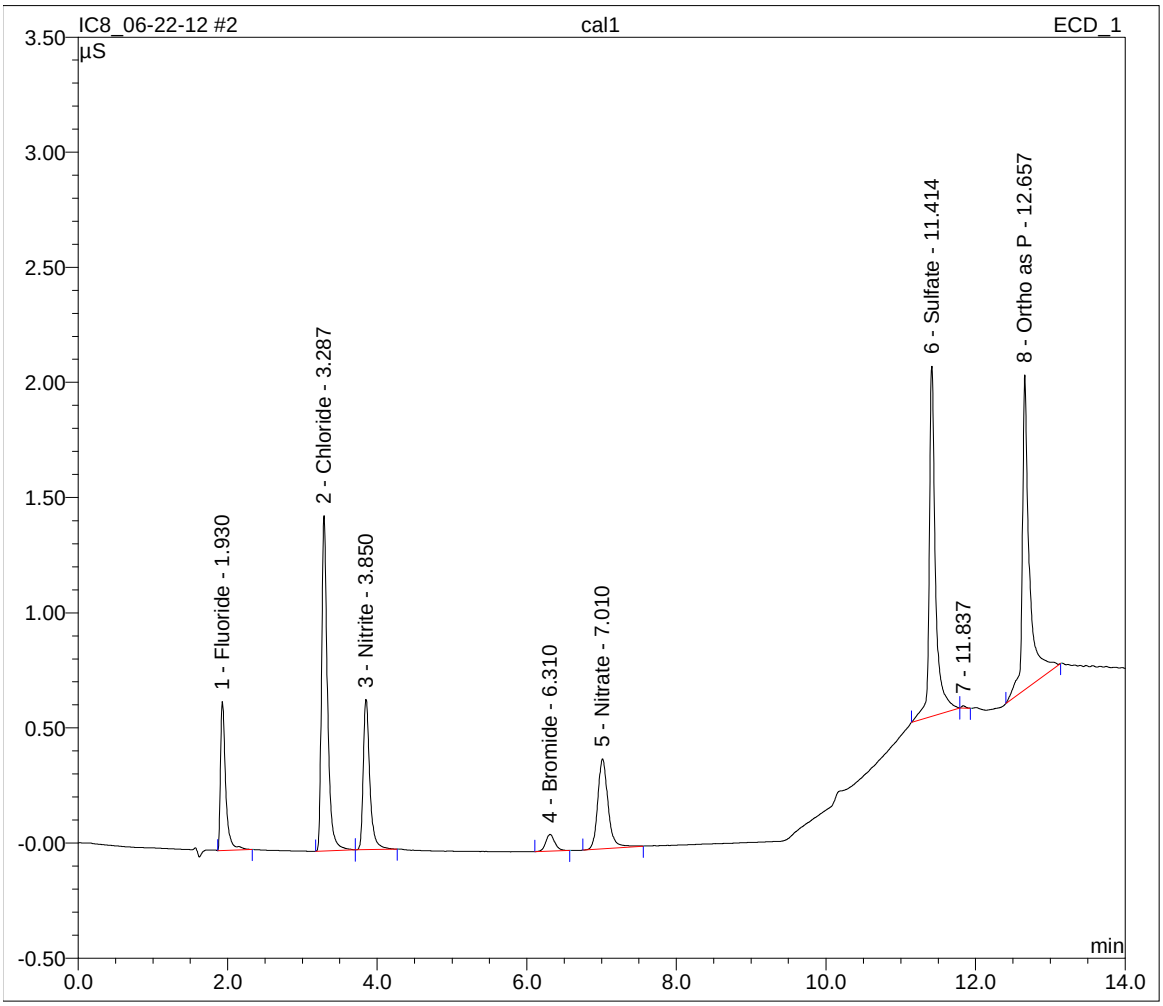
Sample Name:	**RT CHECK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.351	2.1852
2	3.28	Chloride	BMB	1.472	15.998	10.8467
3	3.84	Nitrite	BMB	0.714	6.365	1.9734
4	6.30	Bromide	BMB	0.115	0.825	2.0316
5	6.95	Nitrate	bMB	0.726	4.315	2.1359
6	11.39	Sulfate	BMB	1.098	12.924	10.0120
7	12.64	Ortho as P	BMB	0.504	5.904	2.0466
		TOTAL:		5.14	52.68	31.23



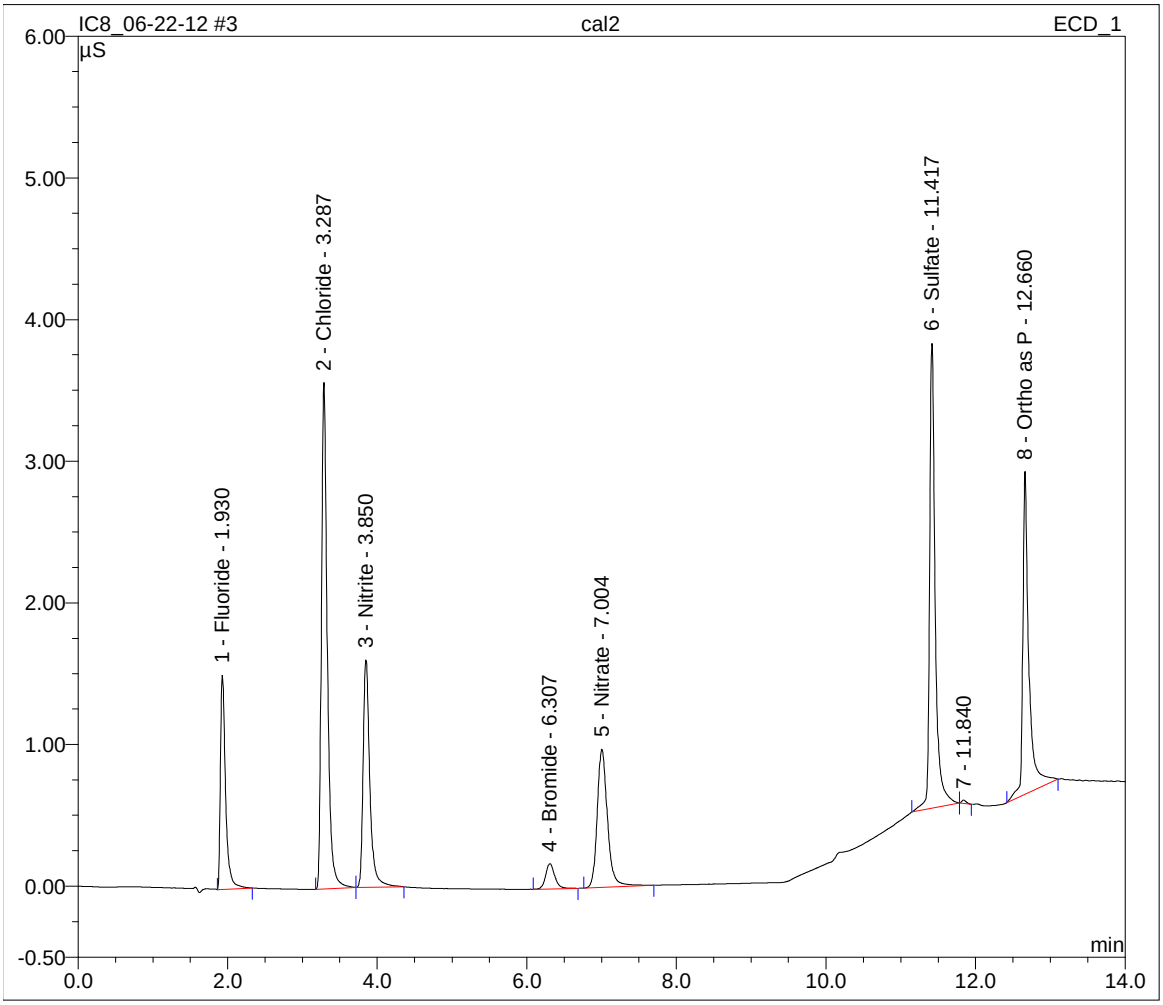
Sample Name:	**cal1**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:31**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.051	0.646	0.1970
2	3.29	Chloride	BMb	0.133	1.457	1.0400
3	3.85	Nitrite	bMB	0.066	0.652	0.2124
4	6.31	Bromide	BMB	0.010	0.073	0.2222
5	7.01	Nitrate	BMB	0.062	0.391	0.2154
6	11.41	Sulfate	BMb	0.146	1.521	1.0815
8	12.66	Ortho as P	BMB	0.151	1.367	0.1743
		TOTAL:		0.62	6.11	3.14



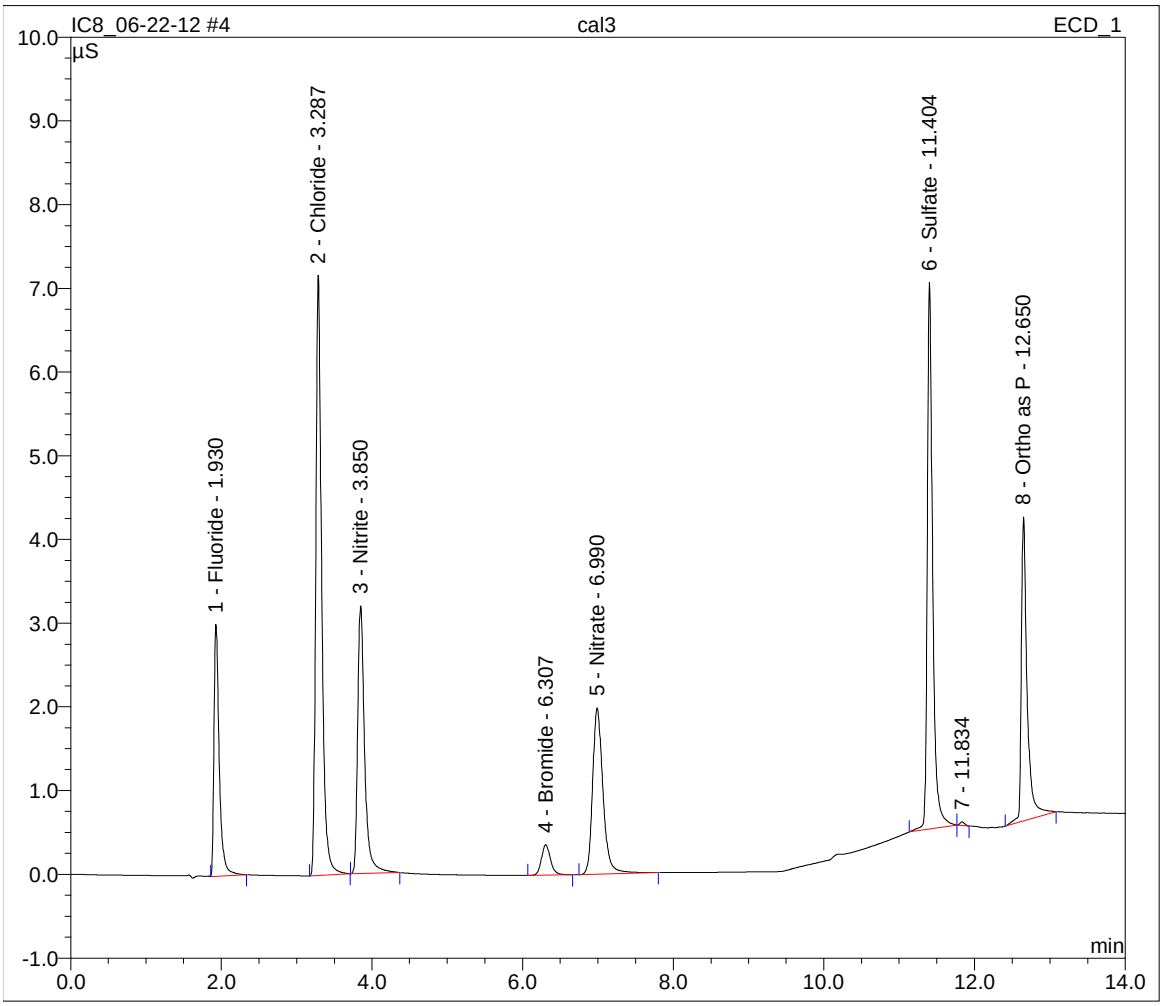
Sample Name:	**cal2**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.120	1.512	0.4922
2	3.29	Chloride	BMB	0.327	3.574	2.4601
3	3.85	Nitrite	BMB	0.167	1.604	0.4861
4	6.31	Bromide	BMB	0.025	0.178	0.4845
5	7.00	Nitrate	BMB	0.155	0.975	0.4831
6	11.42	Sulfate	BMb	0.284	3.282	2.3745
8	12.66	Ortho as P	BMB	0.216	2.278	0.5210
		TOTAL:		1.29	13.40	7.30



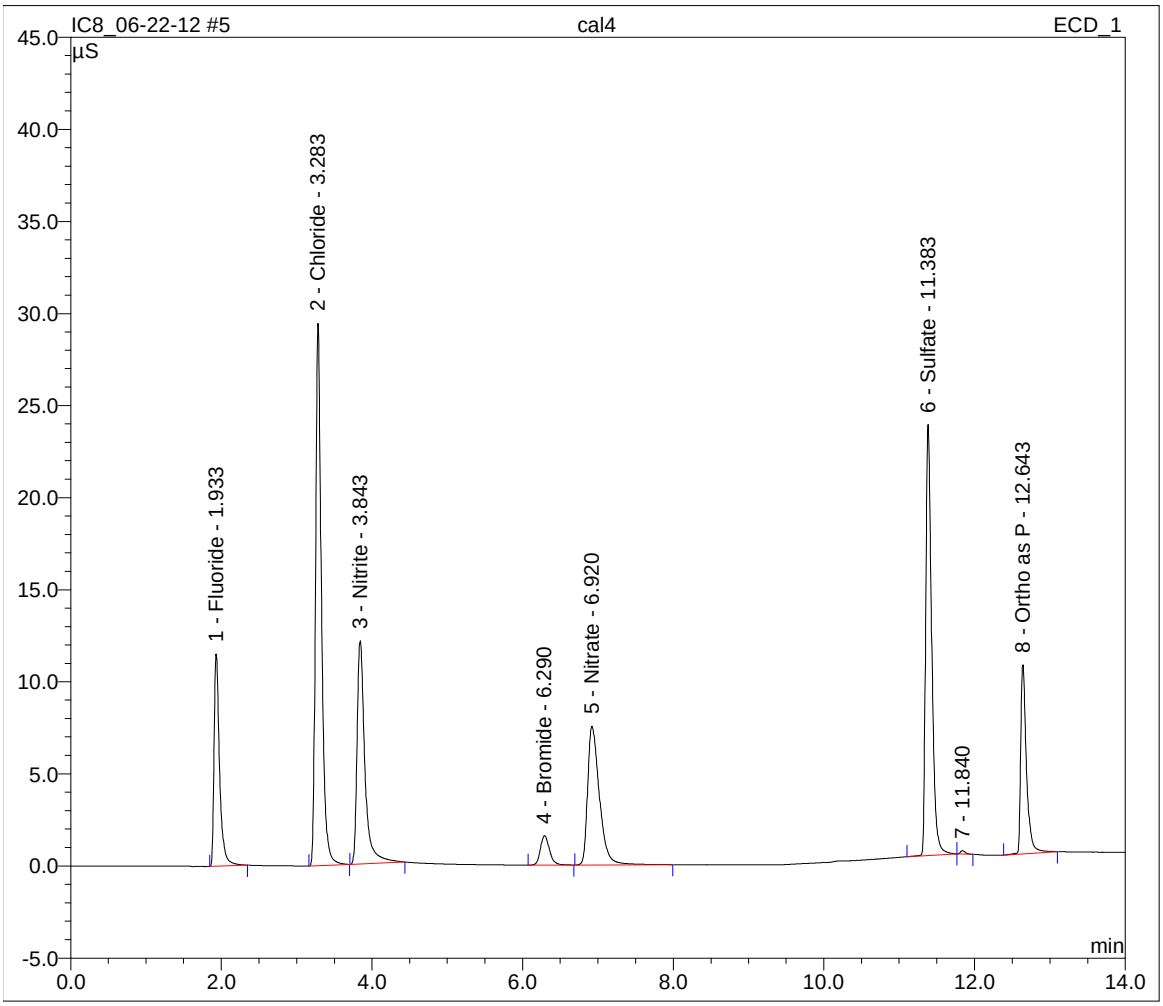
Sample Name:	**cal3**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.241	3.009	1.0119
2	3.29	Chloride	BMB	0.657	7.169	4.8803
3	3.85	Nitrite	BMB	0.341	3.199	0.9611
4	6.31	Bromide	BMB	0.051	0.365	0.9278
5	6.99	Nitrate	BMB	0.319	1.985	0.9575
6	11.40	Sulfate	BMb	0.545	6.532	4.8185
8	12.65	Ortho as P	BMB	0.320	3.633	1.0722
		TOTAL:		2.47	25.89	14.63



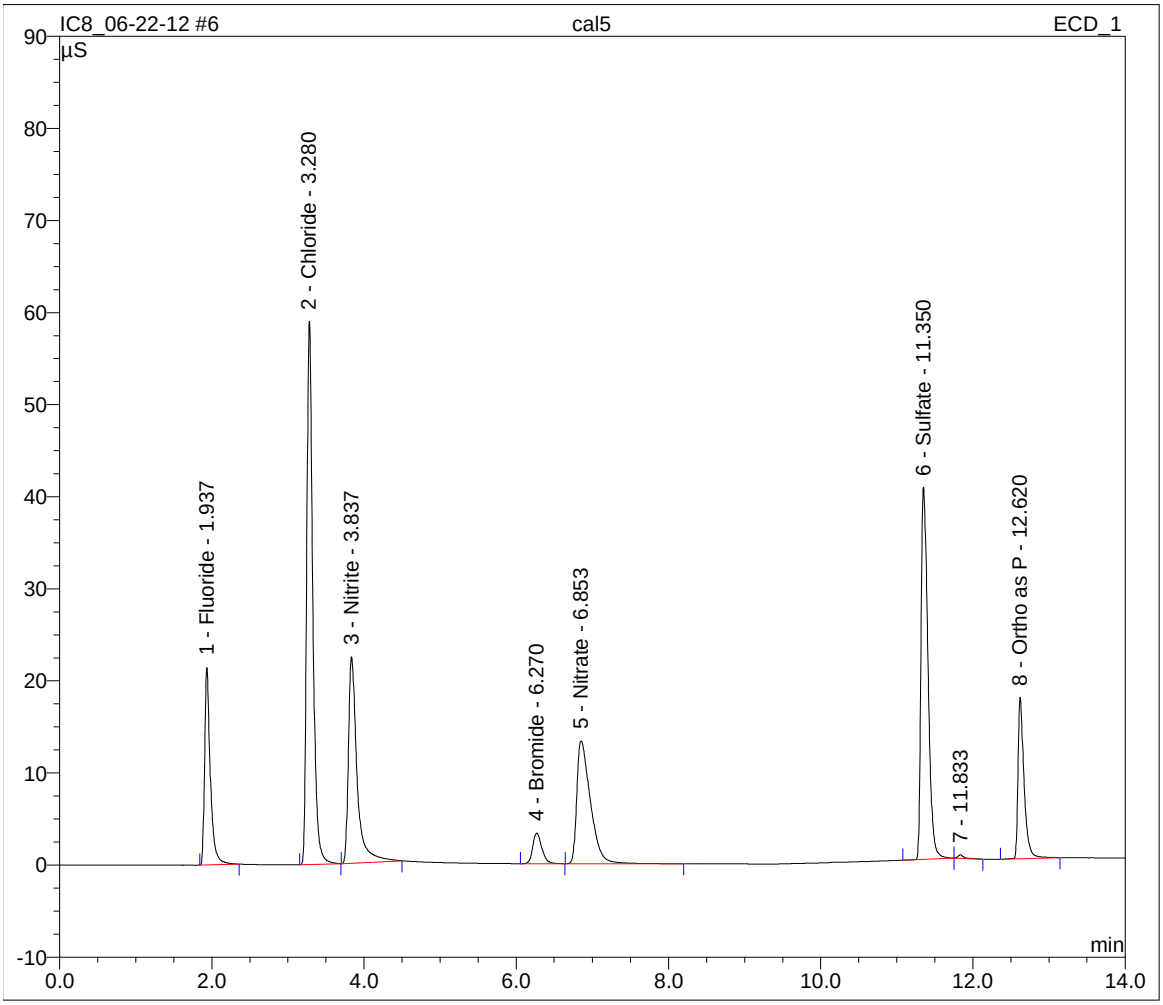
Sample Name:	**cal4**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.966	11.542	4.1247
2	3.28	Chloride	BMB	2.709	29.464	19.9102
3	3.84	Nitrite	BMB	1.456	12.120	3.9932
4	6.29	Bromide	BMB	0.223	1.604	3.8991
5	6.92	Nitrate	BMB	1.357	7.526	3.9629
6	11.38	Sulfate	BMb	2.162	23.410	20.0013
8	12.64	Ortho as P	BMB	0.901	10.280	4.1462
TOTAL:				9.77	95.95	60.04



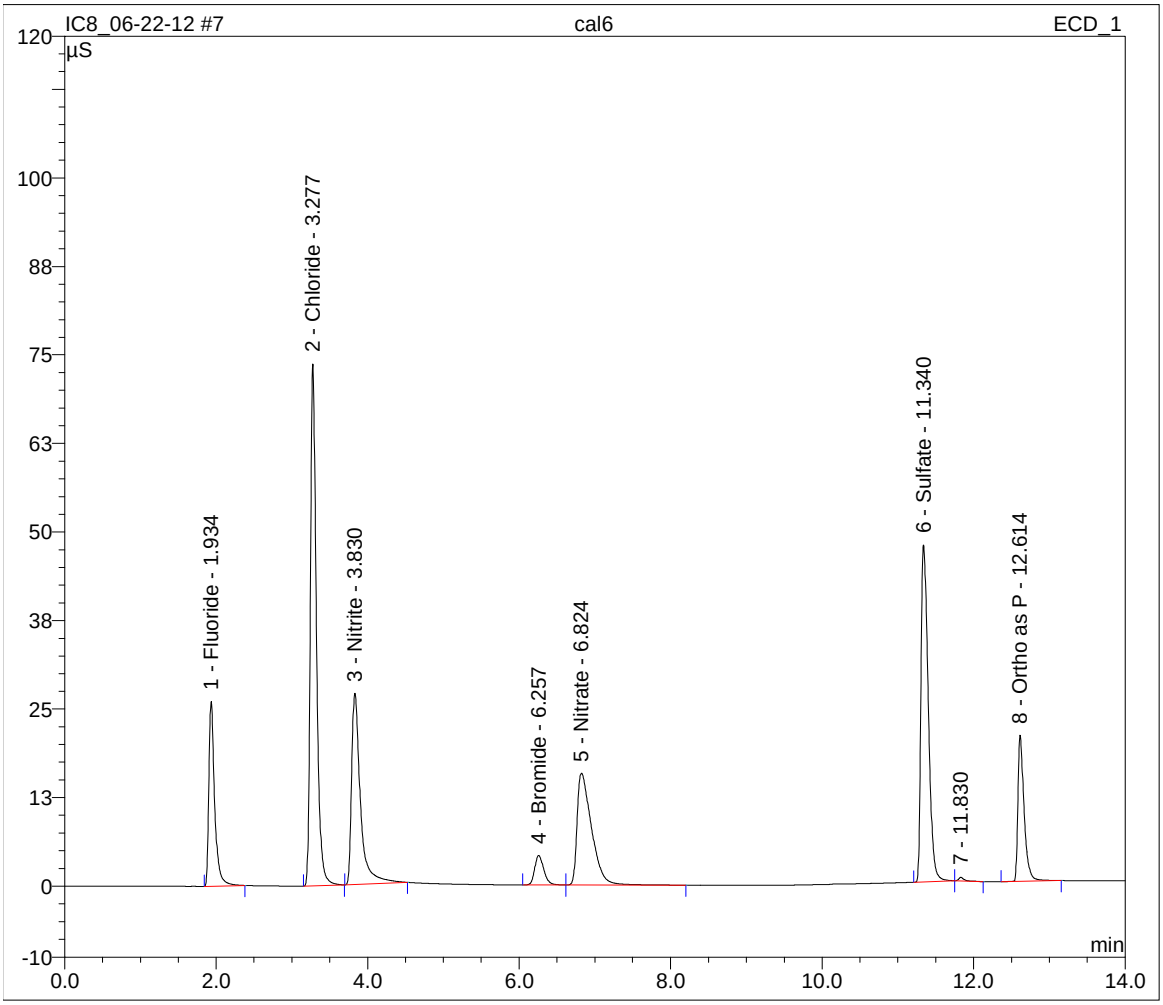
Sample Name:	**cal5**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	1.868	21.466	8.0002
2	3.28	Chloride	BMB	5.457	59.008	40.0443
3	3.84	Nitrite	BMB	2.954	22.426	8.0660
4	6.27	Bromide	BMB	0.462	3.324	8.0345
5	6.85	Nitrate	BMB	2.759	13.322	8.0199
6	11.35	Sulfate	BMb	4.302	40.425	40.0890
8	12.62	Ortho as P	BMB	1.622	17.507	7.9642
		TOTAL:		19.42	177.48	120.22



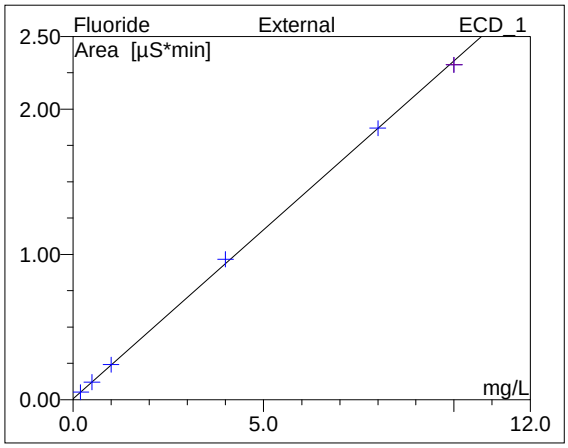
Sample Name:	**cal6**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:55**	*Run Time:*	**14.00**

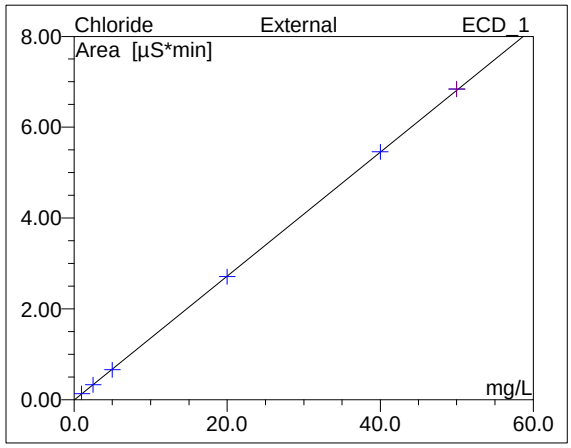
No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	2.304	26.065	9.8741
2	3.28	Chloride	BMB	6.838	73.679	50.1651
3	3.83	Nitrite	BMB	3.658	26.975	9.9812
4	6.26	Bromide	BMB	0.583	4.171	10.1319
5	6.82	Nitrate	BMB	3.465	15.767	10.0612
6	11.34	Sulfate	BMb	5.373	47.566	50.1352
8	12.61	Ortho as P	BMB	1.973	20.624	9.8221
		TOTAL:		24.19	214.85	150.17

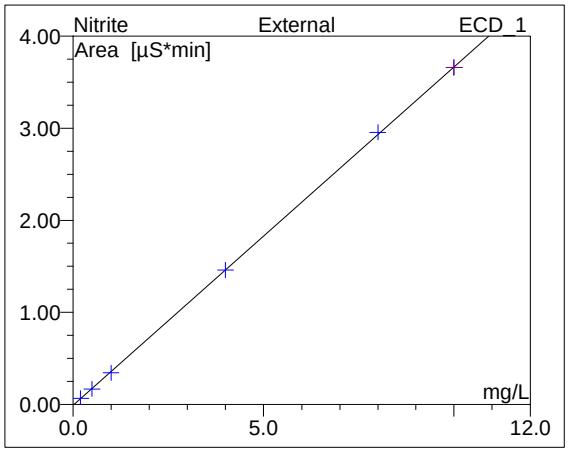


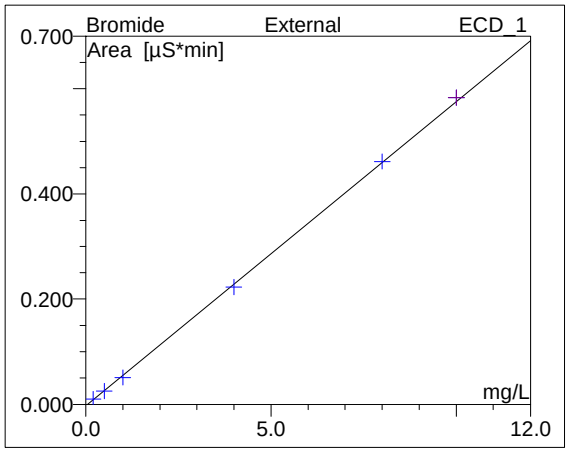
Calibration Batch Report

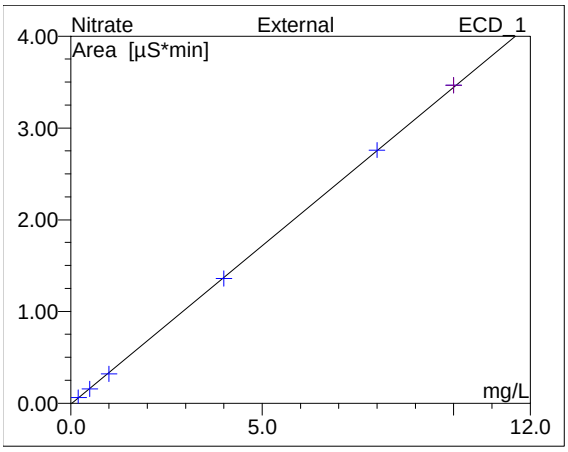
Sequence:	**IC8_06-22-12**	Inj. Vol.:	**10.0**
Program:	**7 Anion**	Operator:	**DENPC241**
Inj. Date/Time:	**06/18/12 14:55**	Run Time:	**14.00**

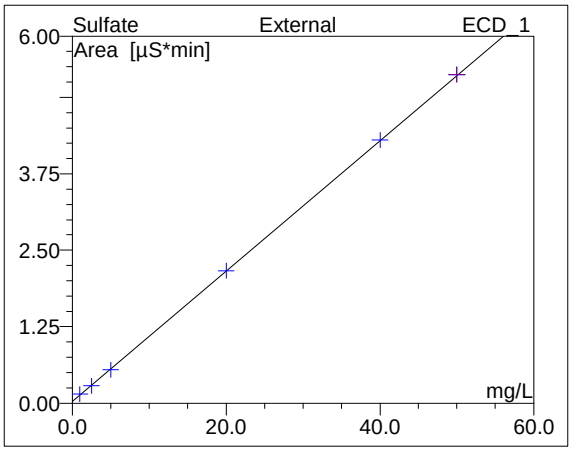




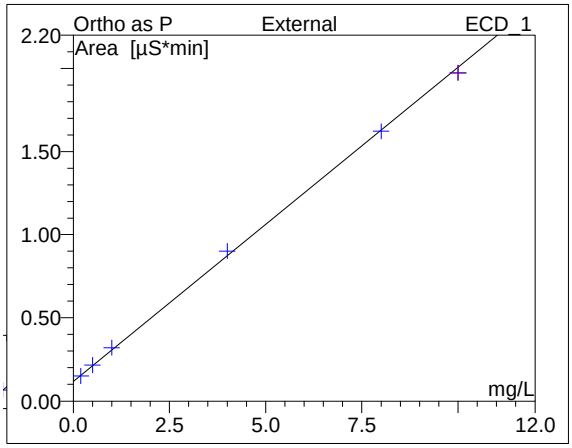








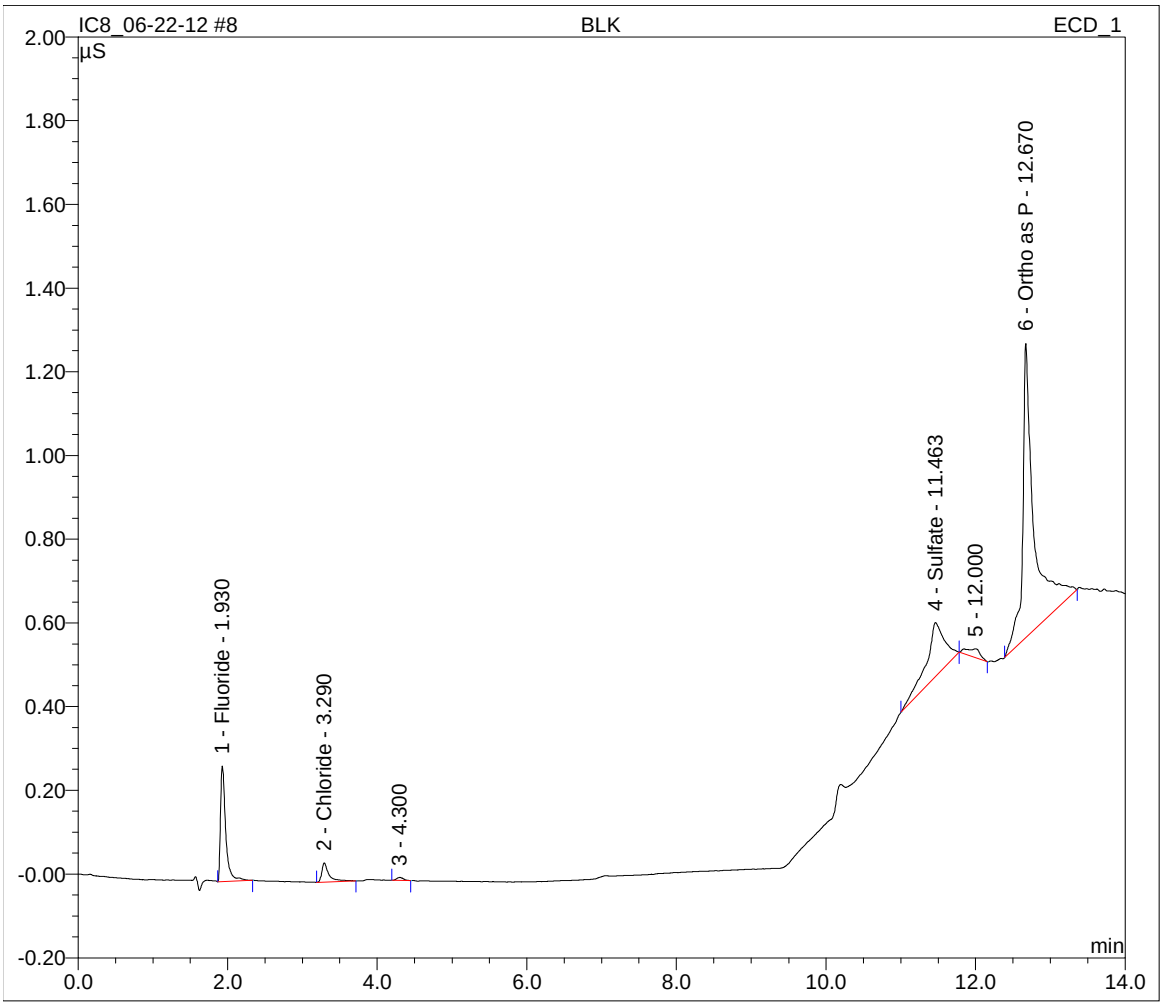
Program:	**7 Anion**	*Operator:*	**n.a.**
Ini. Date/Time:	**06/18/12 14:55**	*Run Time:*	**14.00**



No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
1	1.93	Fluoride	XLOff	6	0.005	0.233	0.000	99.985
2	3.28	Chloride	XLOff	6	-0.009	0.136	0.000	99.997
3	3.83	Nitrite	XLOff	6	-0.012	0.368	0.000	99.992
4	6.26	Bromide	XLOff	6	-0.003	0.058	0.000	99.968
5	6.82	Nitrate	XLOff	6	-0.012	0.346	0.000	99.989
6	11.34	Sulfate	XLOff	6	0.031	0.107	0.000	99.990
8	12.61	Ortho as P	XLOff	6	0.118	0.189	0.000	99.954
AVERAGE:					0.0169	0.2051	0.0000	99.9819

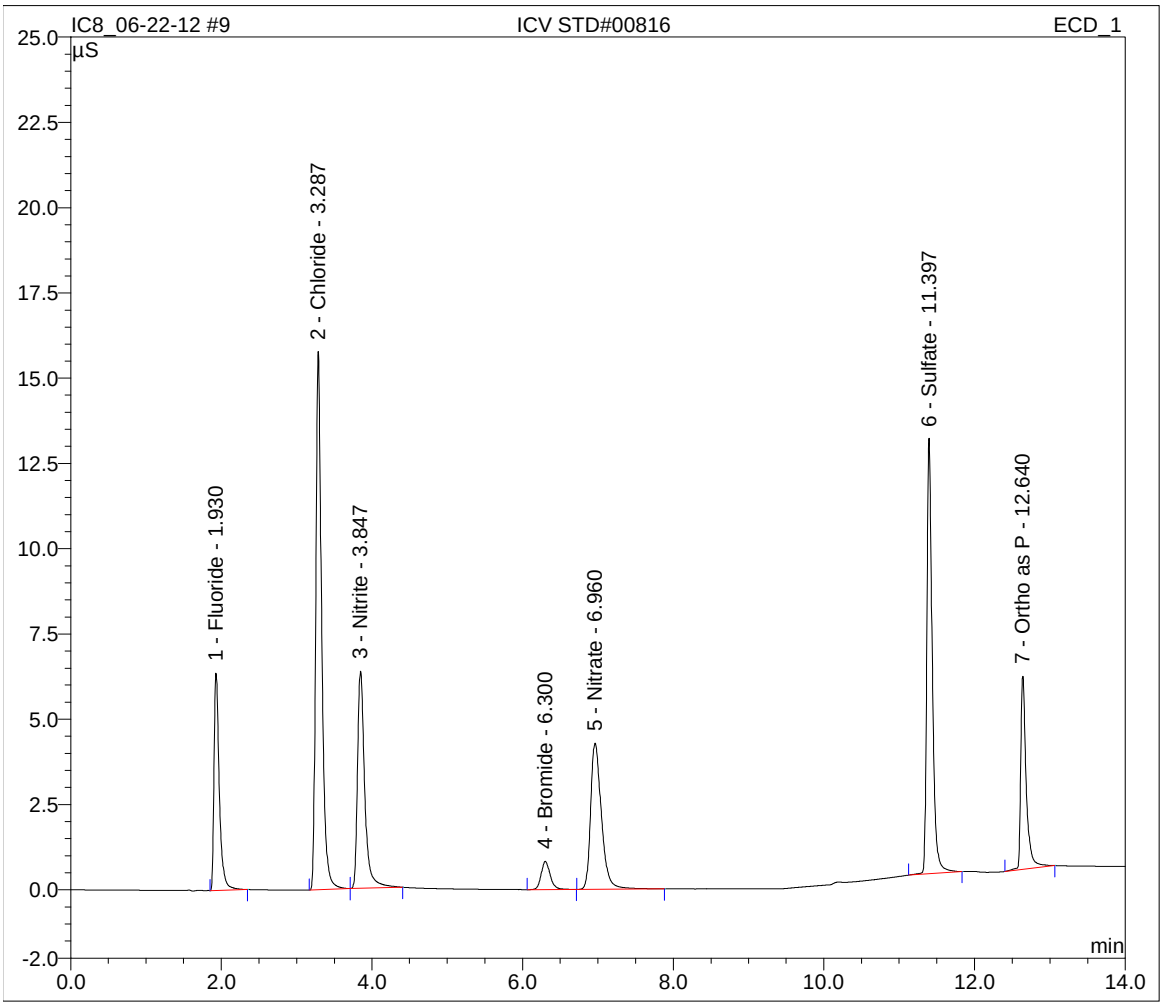
Sample Name:	**BLK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.022	0.276	0.0725
2	3.29	Chloride	BMB	0.005	0.046	0.1031
4	11.46	Sulfate	BMb	0.036	0.129	0.0502
6	12.67	Ortho as P	BMB	0.125	0.703	0.0382
		TOTAL:		0.19	1.15	0.26



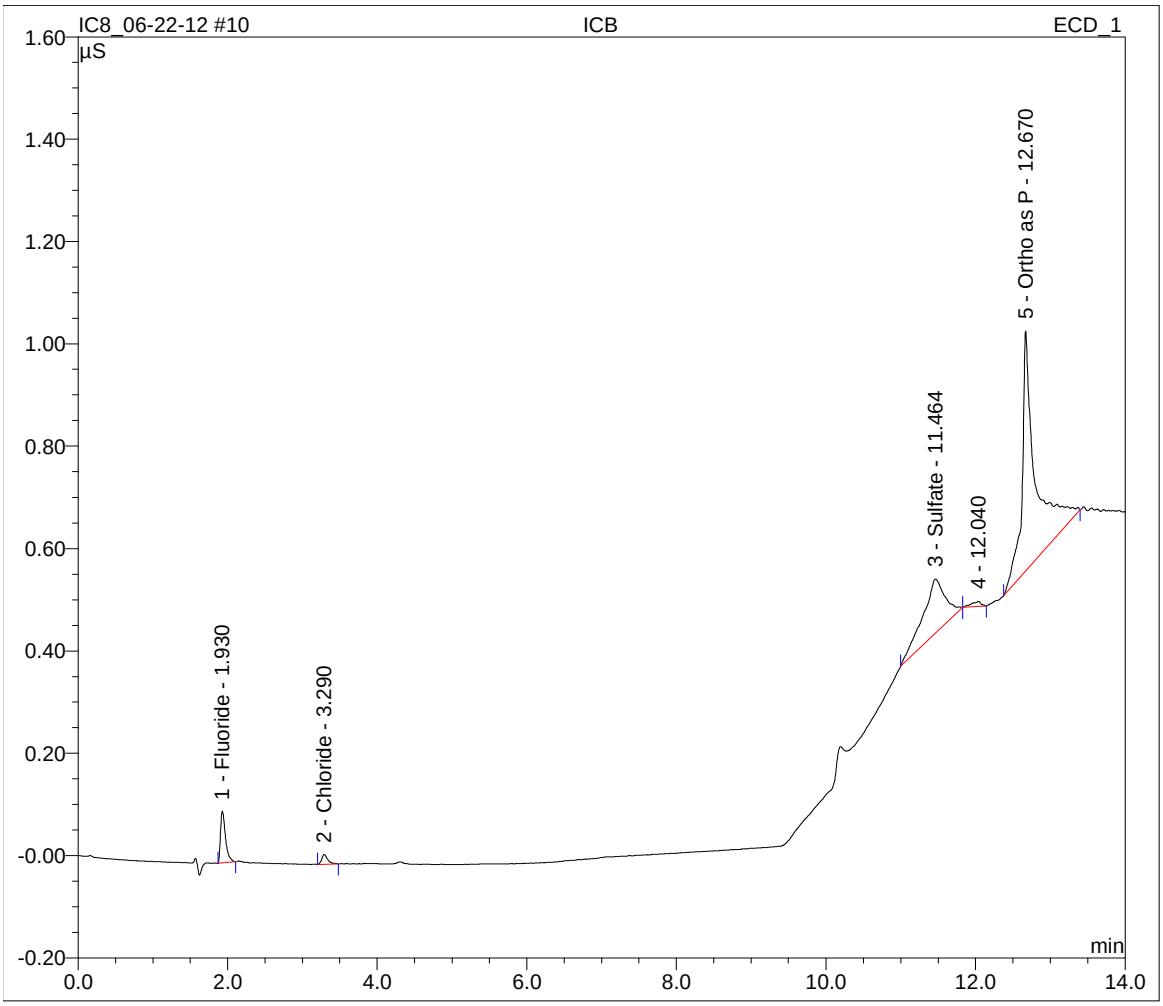
Sample Name:	**ICV STD#00816**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.382	2.1868
2	3.29	Chloride	BMB	1.448	15.777	10.6712
3	3.85	Nitrite	BMB	0.706	6.368	1.9529
4	6.30	Bromide	BMB	0.115	0.825	2.0290
5	6.96	Nitrate	BMB	0.713	4.281	2.0989
6	11.40	Sulfate	BMB	1.070	12.766	9.7526
7	12.64	Ortho as P	BMB	0.474	5.668	1.8875
TOTAL:				5.04	52.07	30.58



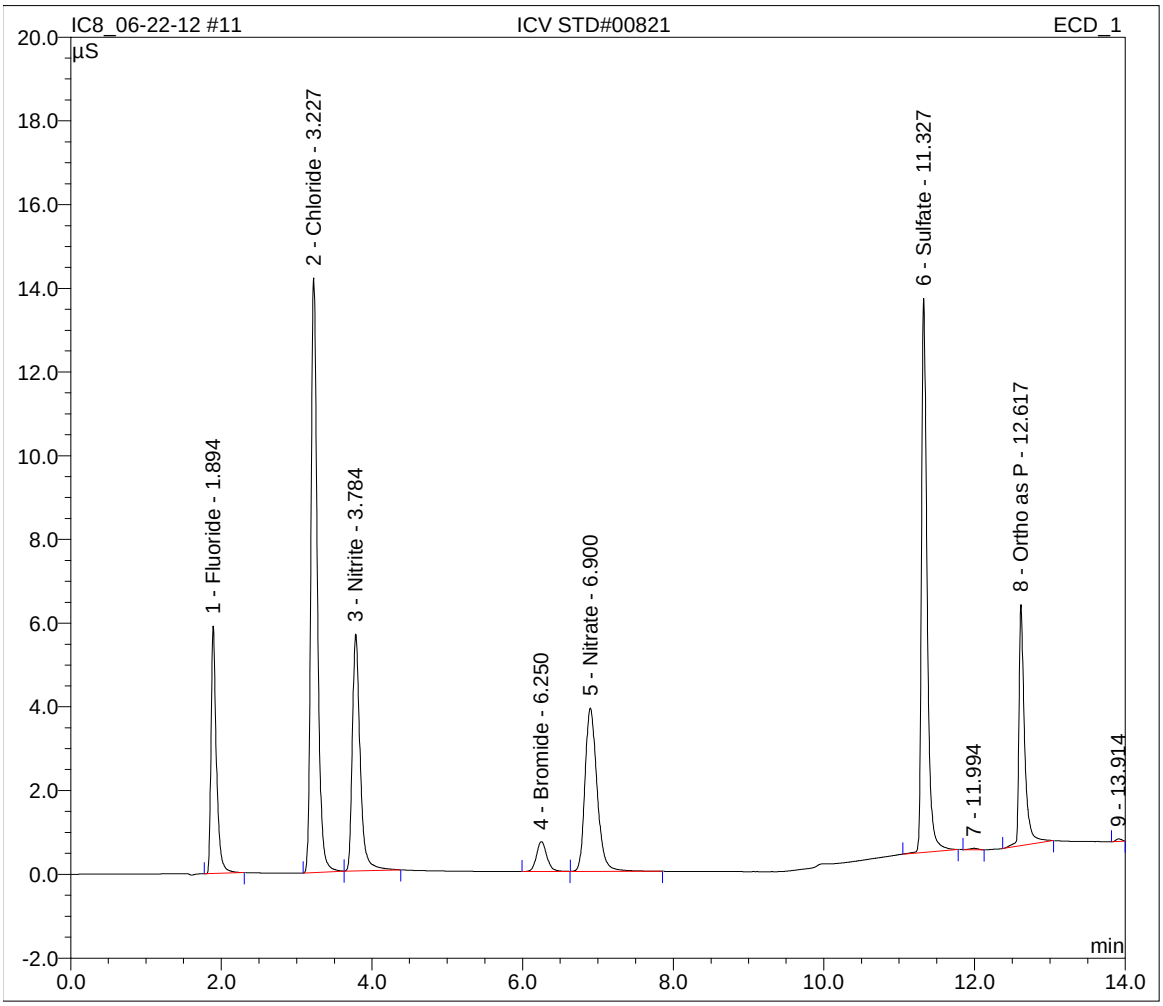
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.008	0.101	0.0103
2	3.29	Chloride	BMB	0.002	0.019	0.0781
3	11.46	Sulfate	BMb	0.037	0.106	0.0582
5	12.67	Ortho as P	BMB	0.100	0.469	-0.0954
		TOTAL:		0.15	0.69	0.05



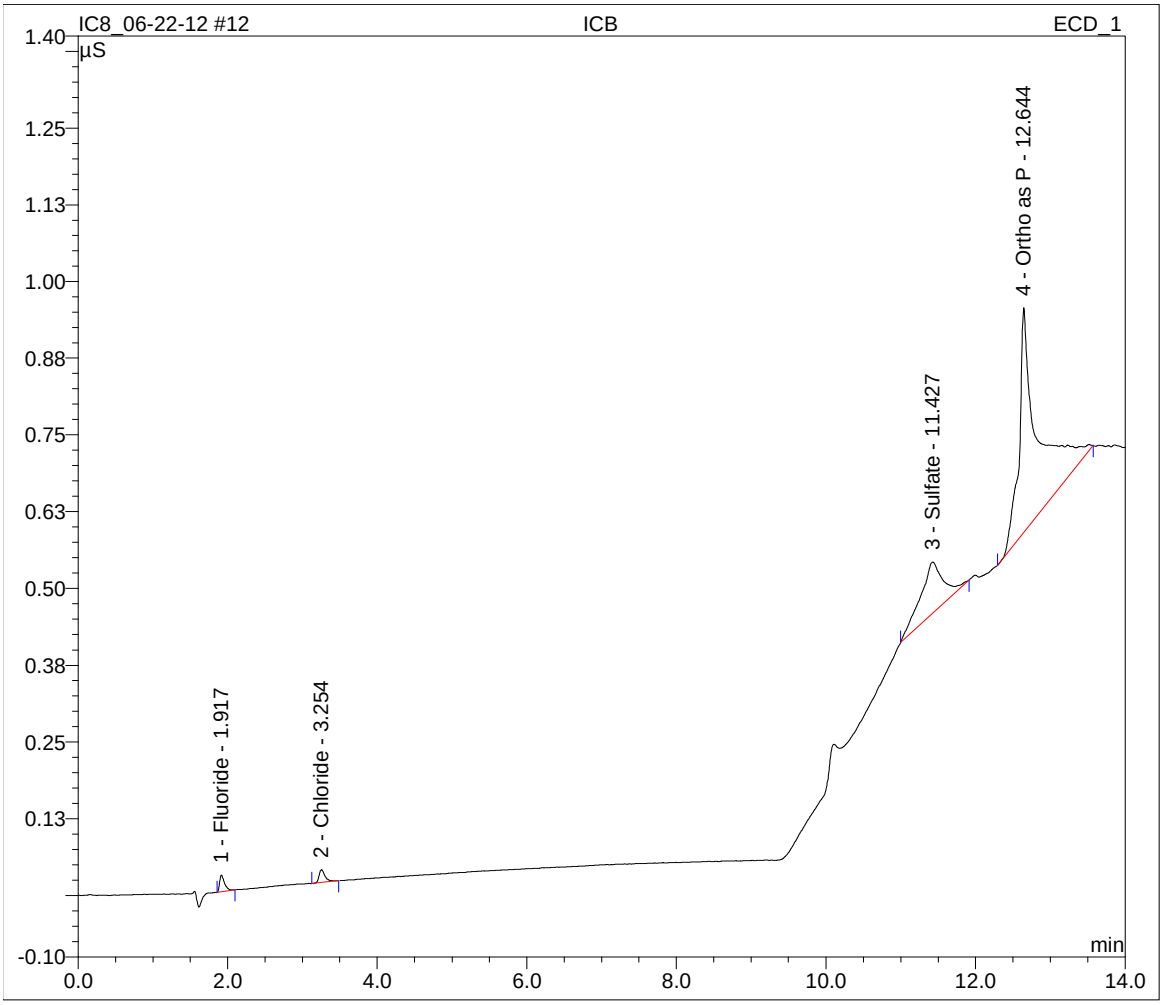
Sample Name:	**ICV STD#00821**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 08:34**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.488	5.918	2.0730
2	3.23	Chloride	BMb	1.405	14.210	10.3560
3	3.78	Nitrite	bMB	0.677	5.658	1.8735
4	6.25	Bromide	BMB	0.113	0.711	1.9948
5	6.90	Nitrate	BMB	0.723	3.898	2.1270
6	11.33	Sulfate	BMB	1.156	13.240	10.5580
8	12.62	Ortho as P	BMB	0.497	5.765	2.0098
		TOTAL:		5.06	49.40	30.99



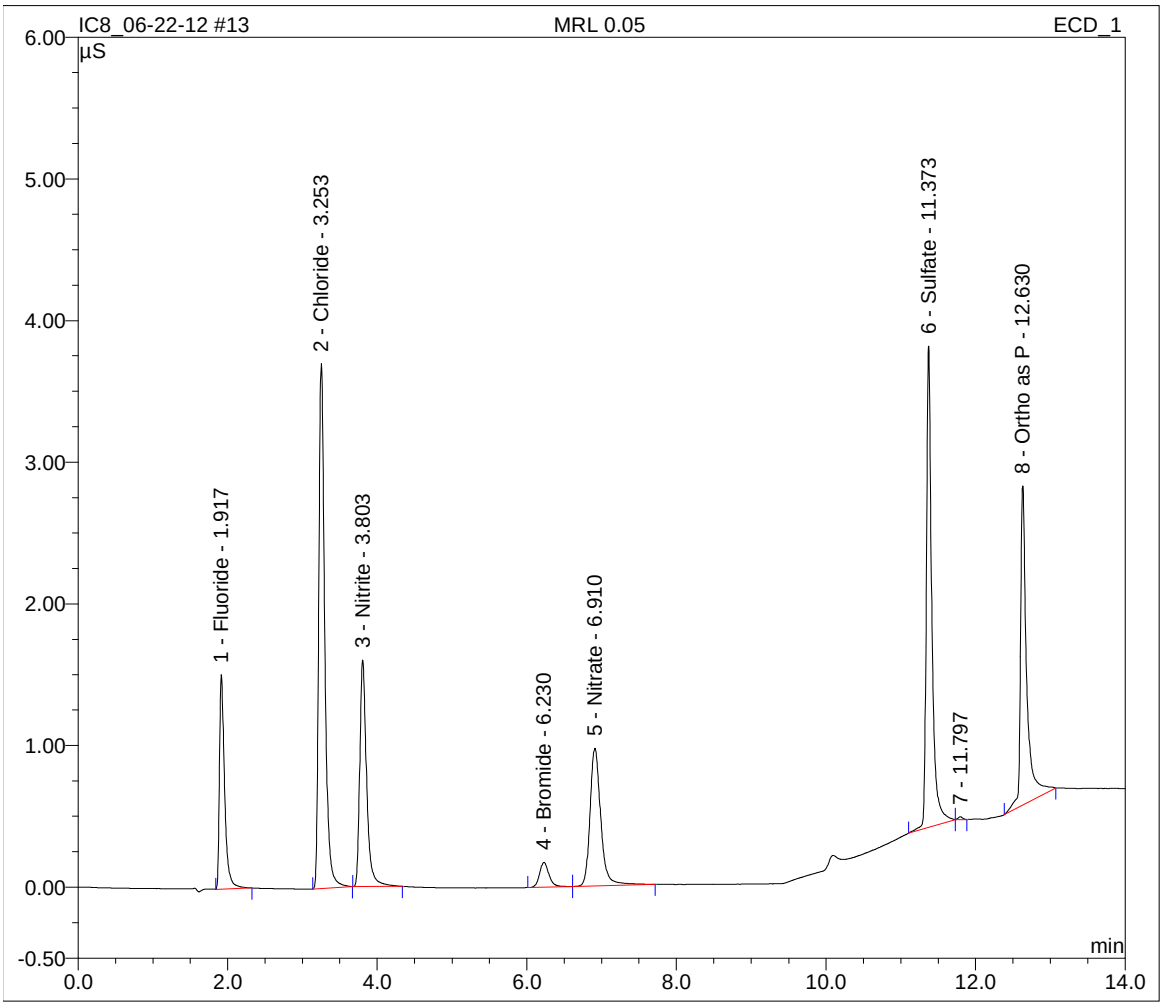
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 08:55**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.002	0.027	-0.0138
2	3.25	Chloride	BMB	0.002	0.021	0.0793
3	11.43	Sulfate	BMB	0.029	0.083	-0.0158
4	12.64	Ortho as P	BMB	0.107	0.366	-0.0583
TOTAL:				0.14	0.50	-0.01



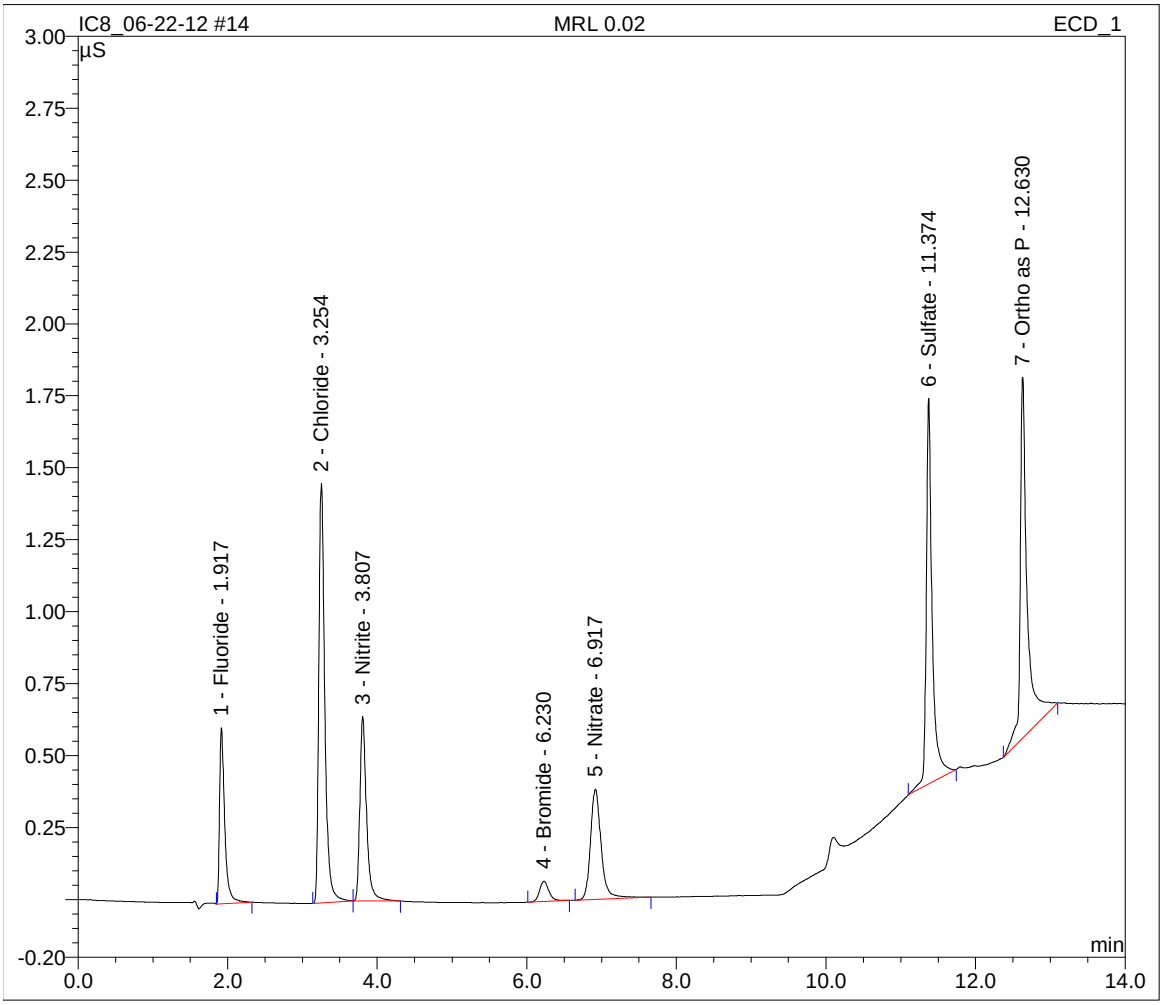
Sample Name:	**MRL 0.05**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 09:12**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.121	1.516	0.4990
2	3.25	Chloride	BMB	0.345	3.704	2.5916
3	3.80	Nitrite	BMB	0.169	1.601	0.4936
4	6.23	Bromide	BMB	0.026	0.175	0.4907
5	6.91	Nitrate	bMB	0.161	0.971	0.5015
6	11.37	Sulfate	BMB	0.289	3.397	2.4178
8	12.63	Ortho as P	BMB	0.214	2.254	0.5100
		TOTAL:		1.33	13.62	7.50



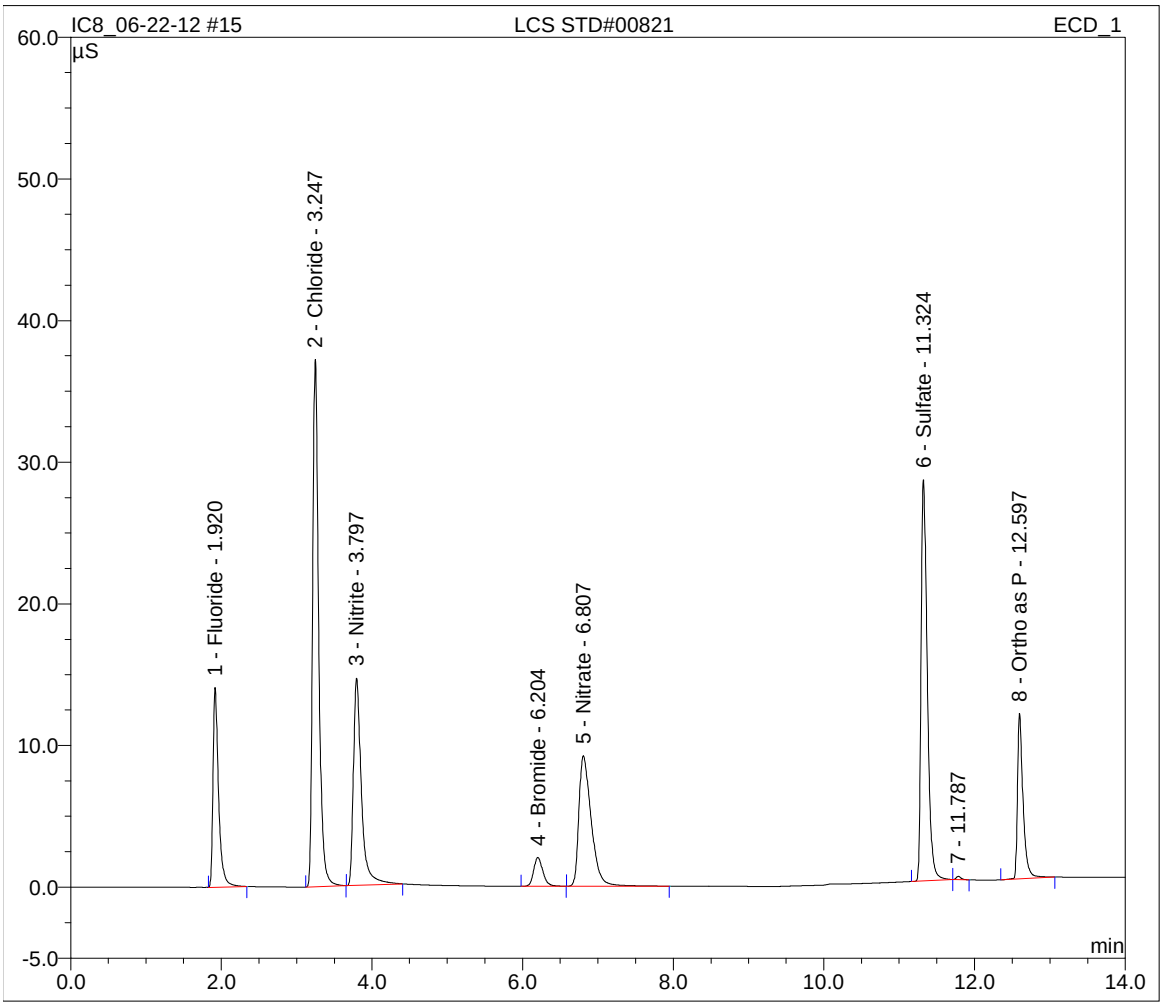
Sample Name:	**MRL 0.02**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 09:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.049	0.611	0.1878
2	3.25	Chloride	BMB	0.135	1.457	1.0569
3	3.81	Nitrite	bMB	0.066	0.640	0.2135
4	6.23	Bromide	BMB	0.010	0.070	0.2243
5	6.92	Nitrate	BMB	0.064	0.383	0.2186
6	11.37	Sulfate	BMB	0.123	1.339	0.8617
7	12.63	Ortho as P	BMB	0.135	1.253	0.0898
		TOTAL:		0.58	5.75	2.85



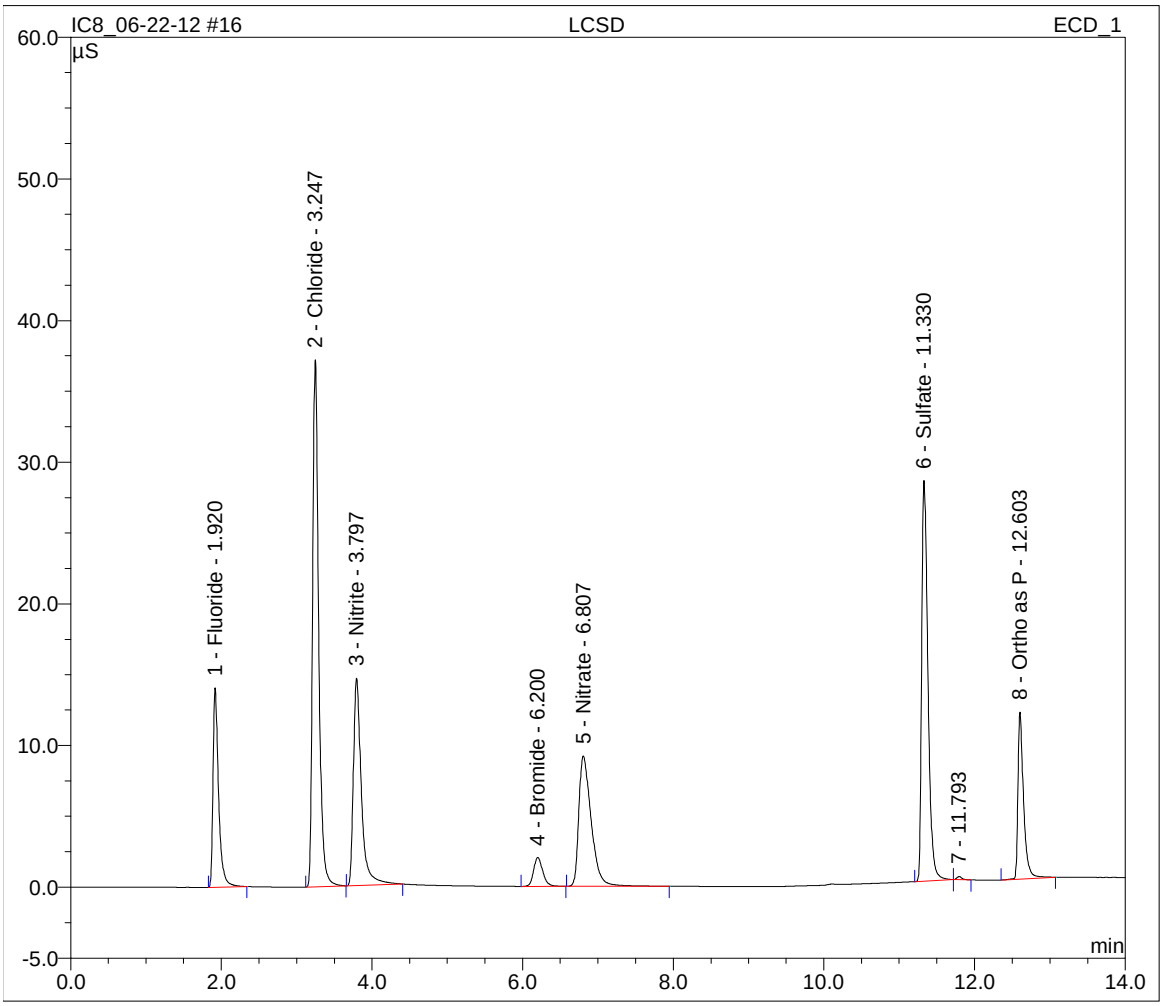
Sample Name:	**LCS STD#00821**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 09:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.204	14.079	5.1466
2	3.25	Chloride	BMB	3.462	37.205	25.4325
3	3.80	Nitrite	BMB	1.794	14.643	4.9110
4	6.20	Bromide	BMB	0.289	2.037	5.0433
5	6.81	Nitrate	BMB	1.748	9.197	5.0920
6	11.32	Sulfate	BMb	2.748	28.323	25.4968
8	12.60	Ortho as P	BMB	1.010	11.672	4.7248
TOTAL:				12.25	117.16	75.85



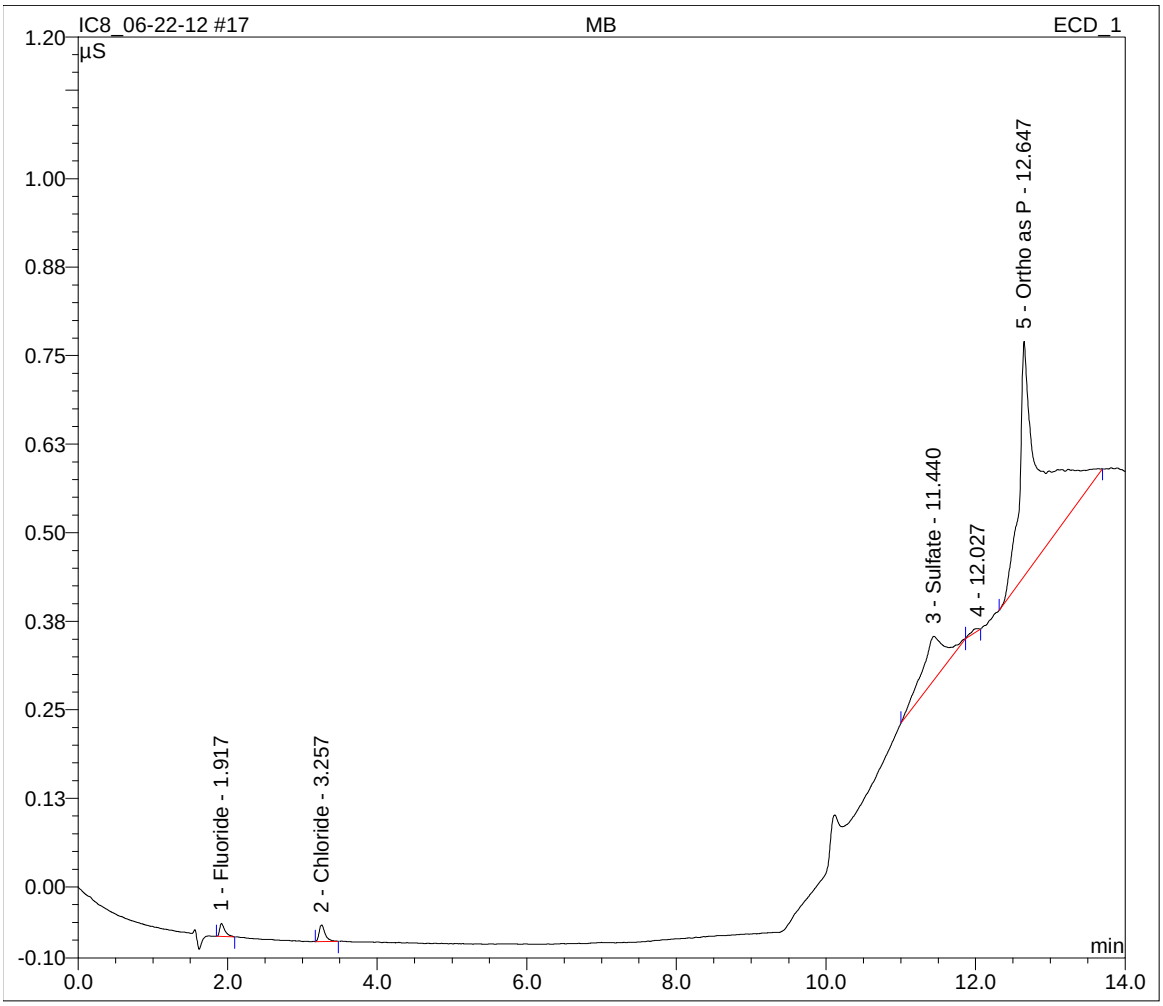
Sample Name:	**LCSD**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 10:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.204	14.076	5.1471
2	3.25	Chloride	BMB	3.463	37.200	25.4326
3	3.80	Nitrite	BMB	1.790	14.643	4.9014
4	6.20	Bromide	BMB	0.289	2.042	5.0479
5	6.81	Nitrate	BMB	1.749	9.202	5.0969
6	11.33	Sulfate	BMb	2.749	28.277	25.5122
8	12.60	Ortho as P	BMB	1.026	11.777	4.8092
		TOTAL:		12.27	117.22	75.95



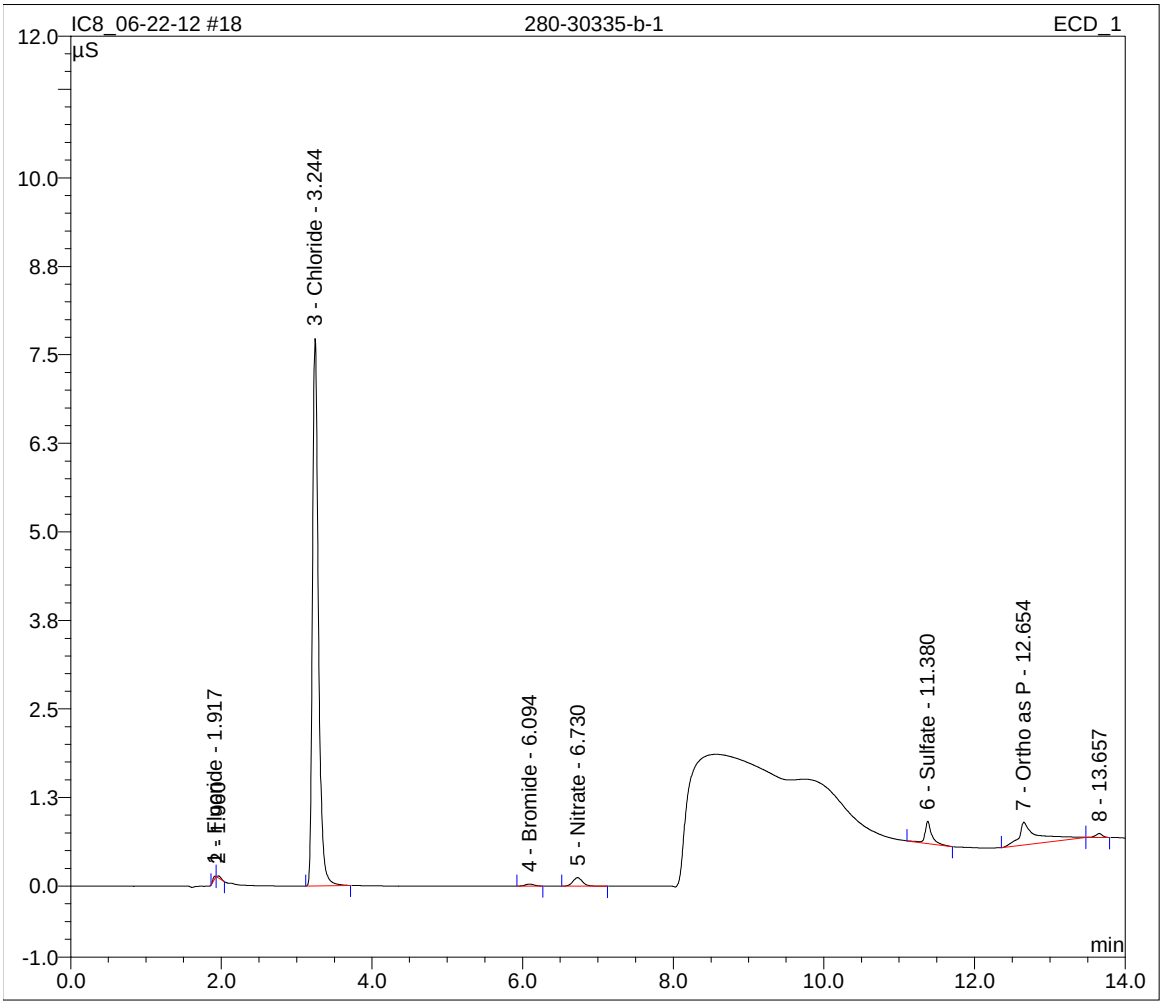
Sample Name:	**MB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 10:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.001	0.018	-0.0163
2	3.26	Chloride	BMB	0.002	0.023	0.0812
3	11.44	Sulfate	BMB	0.022	0.062	-0.0887
5	12.65	Ortho as P	BMB	0.114	0.332	-0.0211
		TOTAL:		0.14	0.44	-0.04



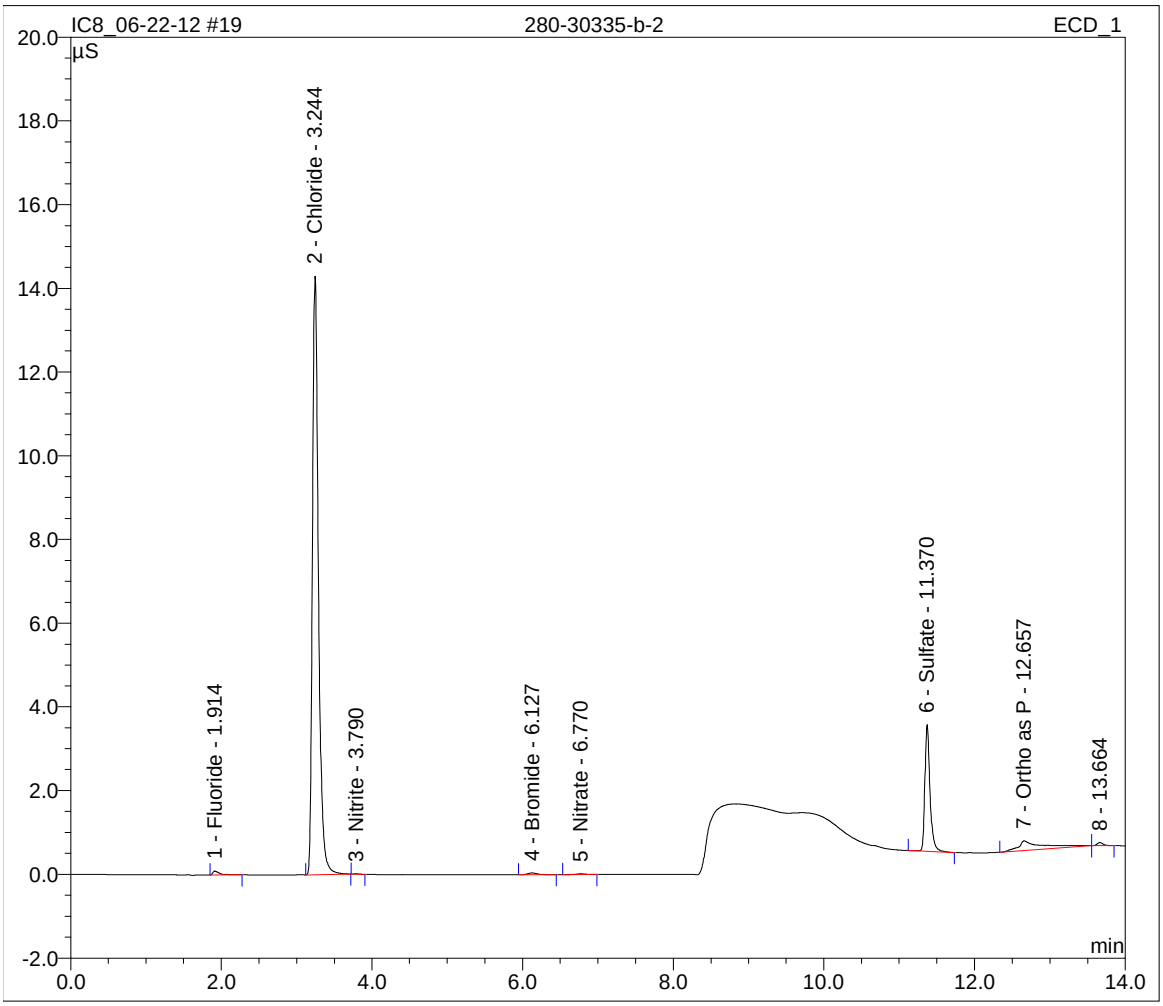
Sample Name:	**280-30335-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 11:55**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.002	0.033	-0.0149
3	3.24	Chloride	BMB	0.706	7.733	5.2358
4	6.09	Bromide	BMB	0.004	0.028	0.1136
5	6.73	Nitrate	BMB	0.018	0.121	0.0866
6	11.38	Sulfate	BMB	0.032	0.314	0.0098
7	12.65	Ortho as P	BMB	0.093	0.321	-0.1344
		TOTAL:		0.85	8.55	5.30



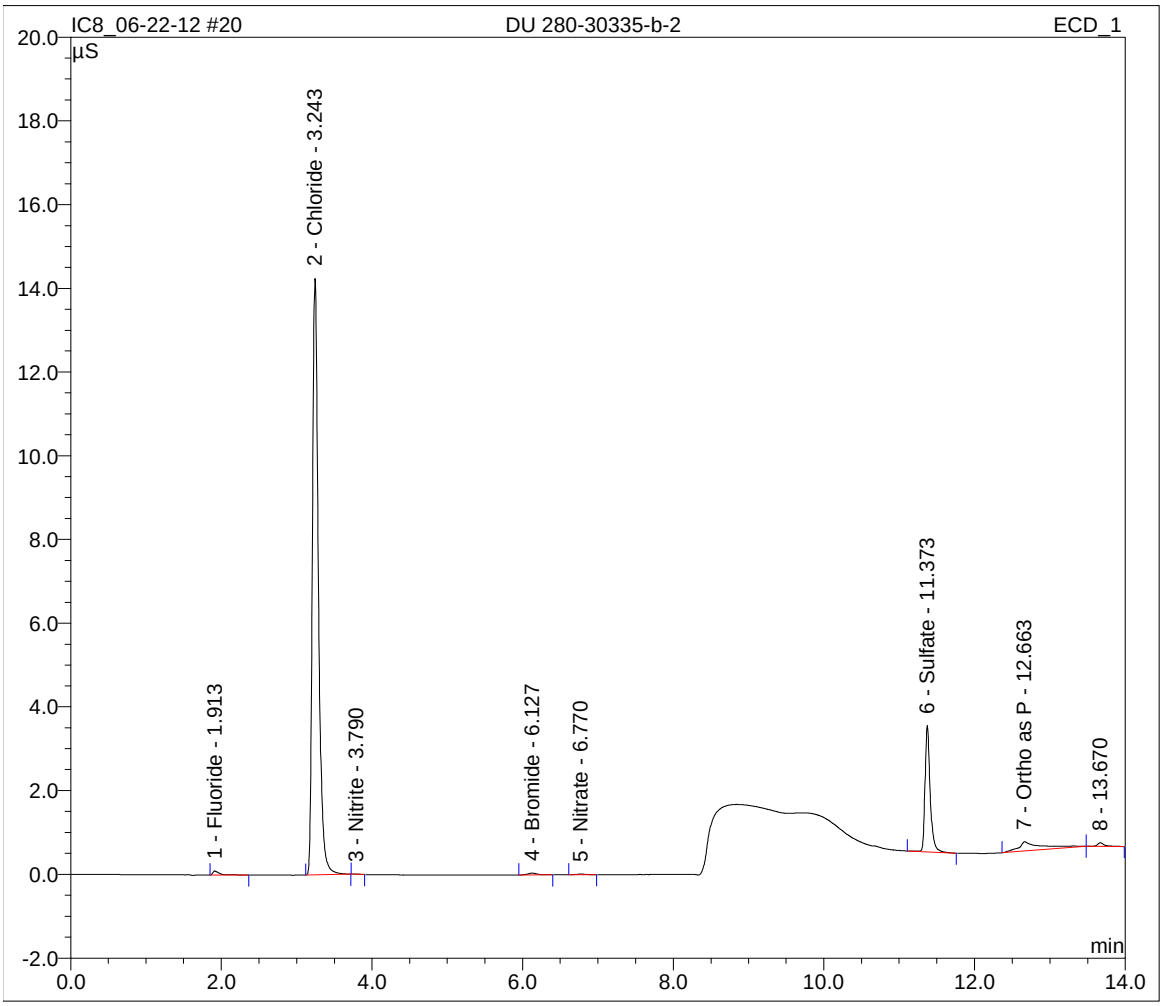
Sample Name:	**280-30335-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 12:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.010	0.094	0.0189
2	3.24	Chloride	BMB	1.320	14.302	9.7379
3	3.79	Nitrite	BMB	0.001	0.008	0.0350
4	6.13	Bromide	BMB	0.006	0.043	0.1532
5	6.77	Nitrate	BMB	0.003	0.017	0.0422
6	11.37	Sulfate	BMB	0.239	3.030	1.9546
7	12.66	Ortho as P	BMB	0.087	0.234	-0.1658
TOTAL:				1.67	17.73	11.78



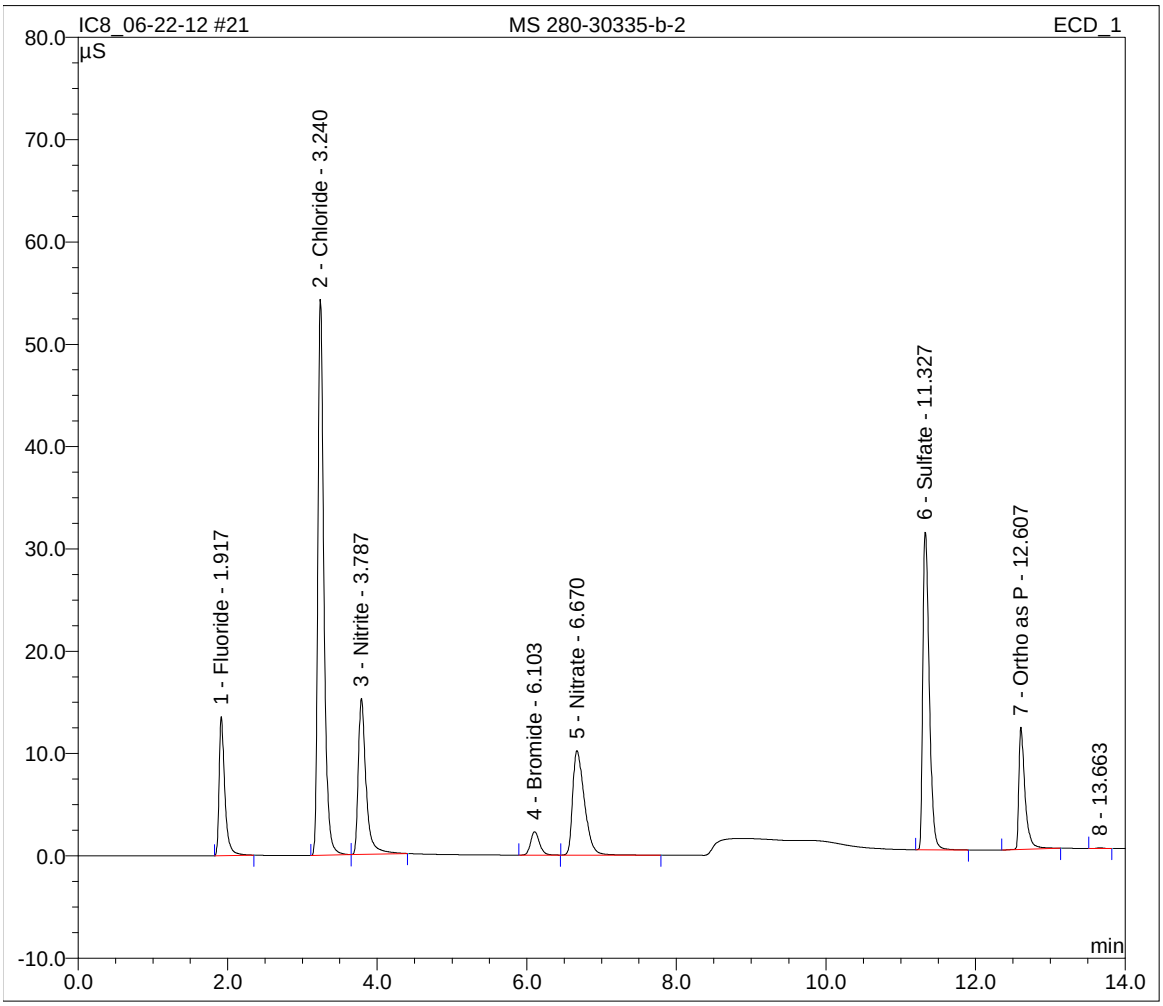
Sample Name:	**DU 280-30335-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 12:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.010	0.096	0.0192
2	3.24	Chloride	BMB	1.319	14.254	9.7254
3	3.79	Nitrite	BMB	0.001	0.008	0.0349
4	6.13	Bromide	BMB	0.006	0.042	0.1496
5	6.77	Nitrate	BMB	0.002	0.015	0.0407
6	11.37	Sulfate	BMB	0.239	3.017	1.9495
7	12.66	Ortho as P	BMB	0.078	0.223	-0.2106
TOTAL:				1.65	17.65	11.71



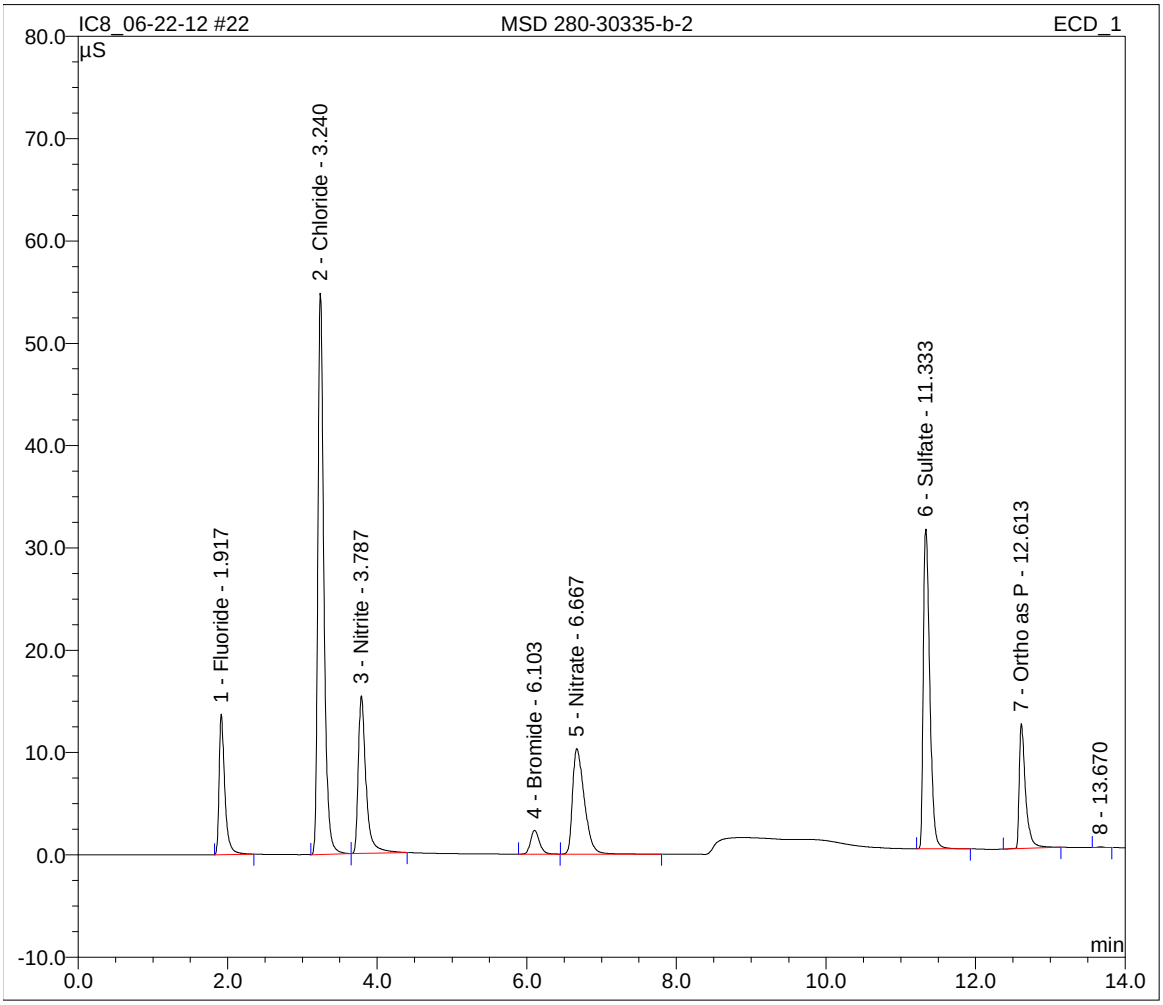
Sample Name:	**MS 280-30335-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 12:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.198	13.597	5.1245
2	3.24	Chloride	BMB	5.072	54.361	37.2252
3	3.79	Nitrite	bMB	1.841	15.241	5.0380
4	6.10	Bromide	BMB	0.315	2.281	5.5039
5	6.67	Nitrate	BMB	1.853	10.196	5.3968
6	11.33	Sulfate	BMB	3.098	31.026	28.7887
7	12.61	Ortho as P	BMB	1.146	11.933	5.4436
		TOTAL:		14.52	138.63	92.52



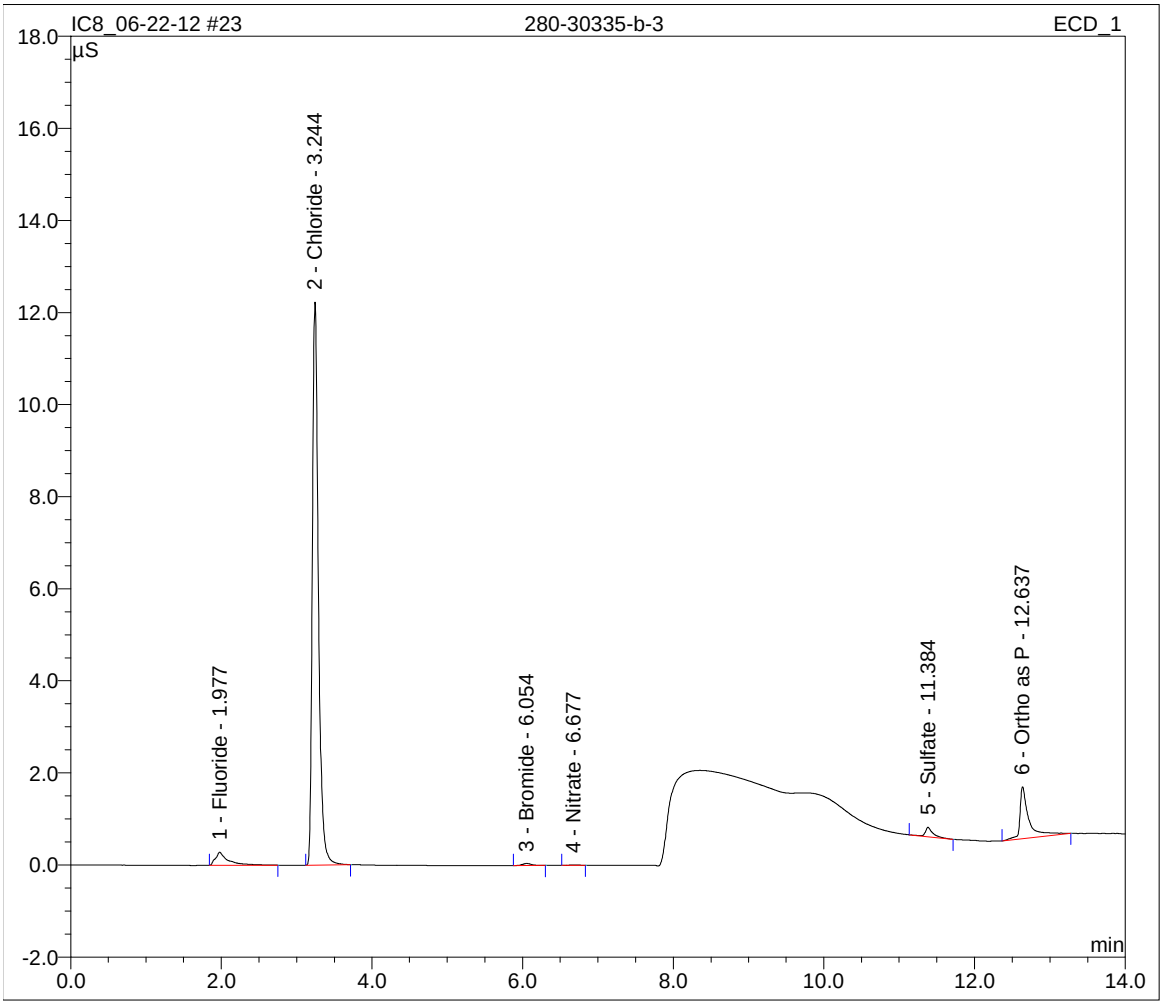
Sample Name:	**MSD 280-30335-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 13:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.214	13.741	5.1901
2	3.24	Chloride	BMB	5.111	54.858	37.5116
3	3.79	Nitrite	BMB	1.852	15.391	5.0686
4	6.10	Bromide	BMB	0.319	2.319	5.5604
5	6.67	Nitrate	BMB	1.872	10.303	5.4530
6	11.33	Sulfate	BMB	3.127	31.240	29.0589
7	12.61	Ortho as P	BMB	1.191	12.213	5.6838
TOTAL:				14.69	140.07	93.53



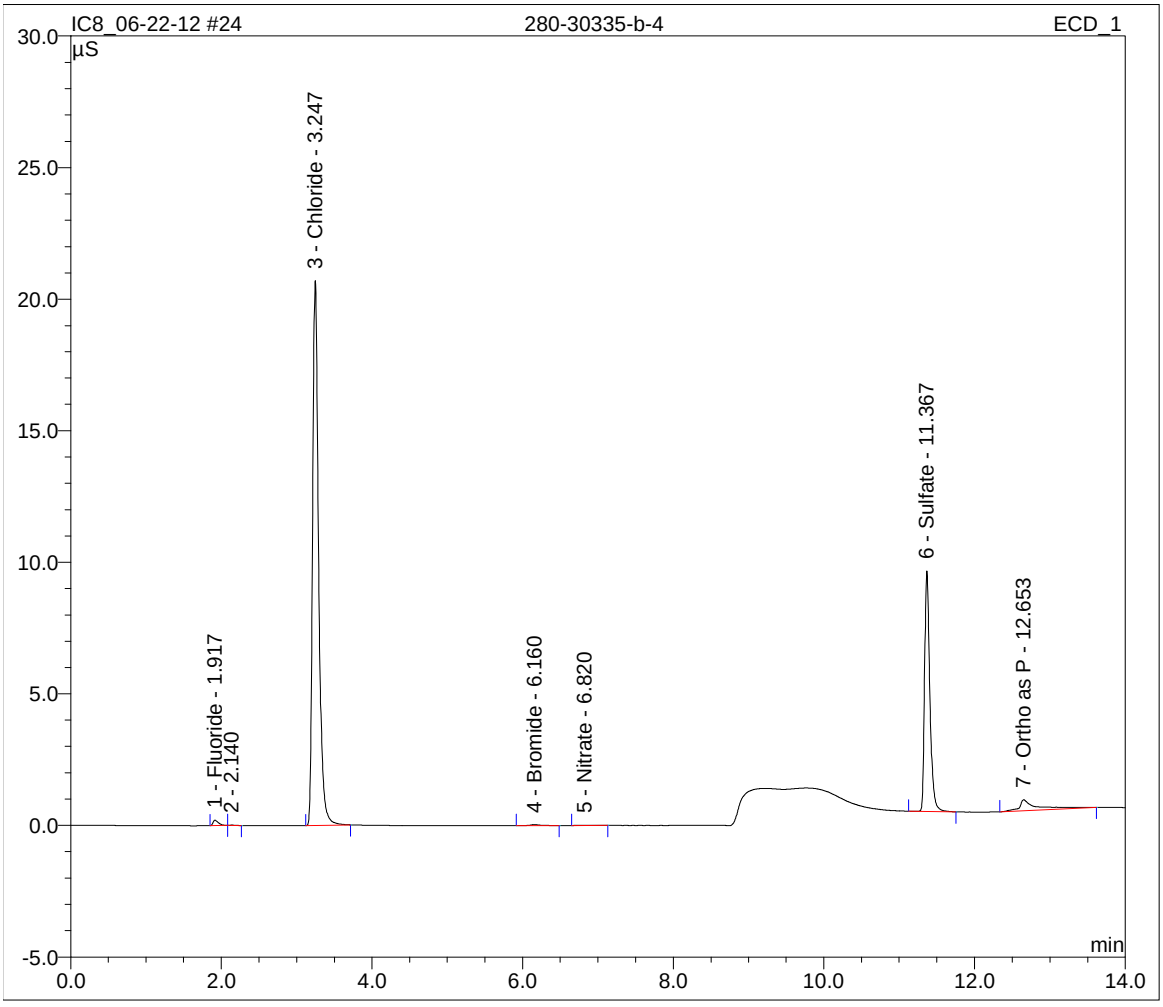
Sample Name:	**280-30335-b-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 13:19**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.98	Fluoride	BMB	0.056	0.286	0.2181
2	3.24	Chloride	BMB	1.135	12.234	8.3820
3	6.05	Bromide	BMB	0.006	0.043	0.1495
4	6.68	Nitrate	BMB	0.001	0.010	0.0384
5	11.38	Sulfate	BMB	0.024	0.207	-0.0709
6	12.64	Ortho as P	BMB	0.153	1.123	0.1883
		TOTAL:		1.38	13.90	8.91



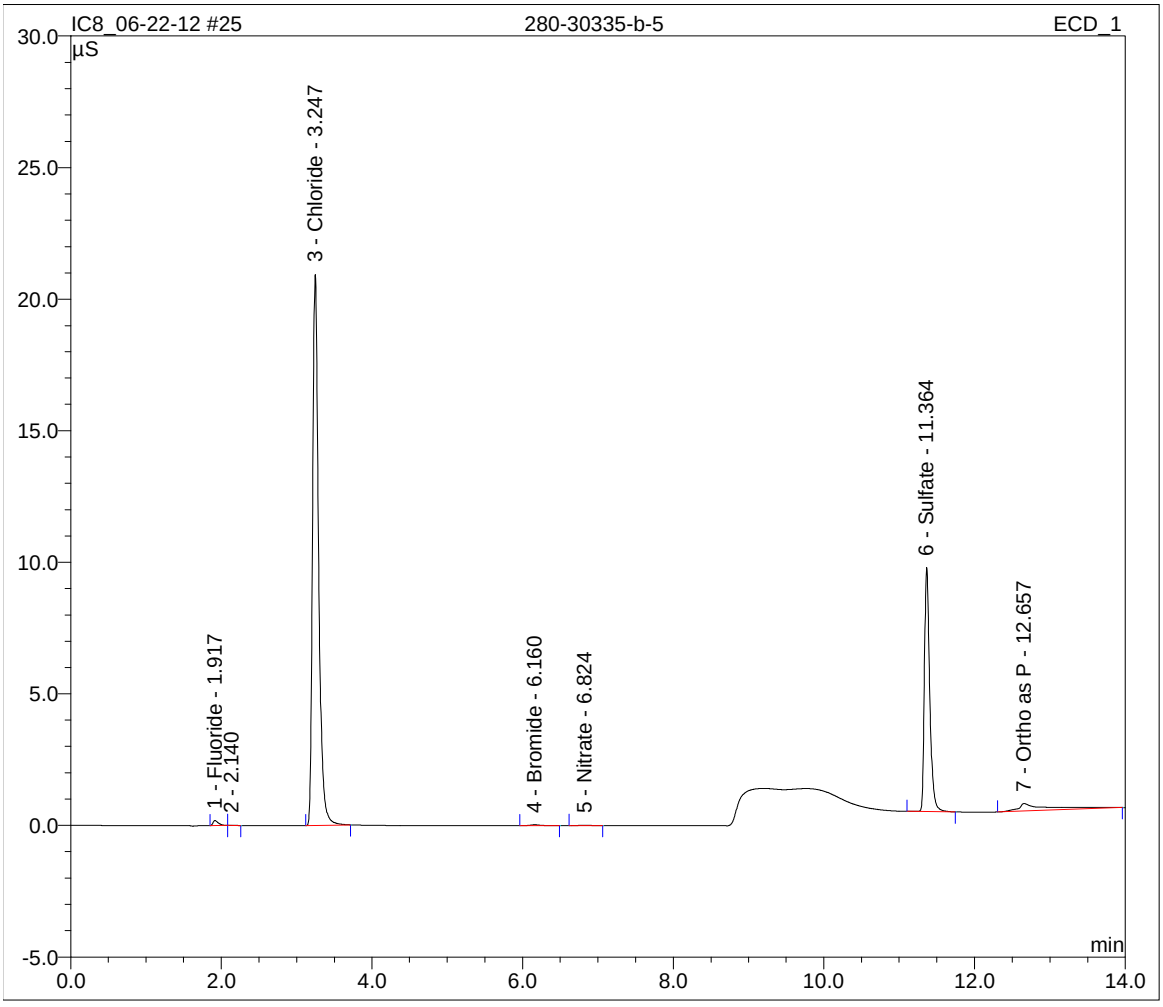
Sample Name:	**280-30335-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 13:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.017	0.211	0.0504
3	3.25	Chloride	BMB	1.915	20.717	14.0960
4	6.16	Bromide	BMB	0.005	0.033	0.1318
5	6.82	Nitrate	BMB	0.002	0.011	0.0398
6	11.37	Sulfate	BMB	0.744	9.146	6.6876
7	12.65	Ortho as P	BMB	0.113	0.421	-0.0271
		TOTAL:		2.80	30.54	20.98



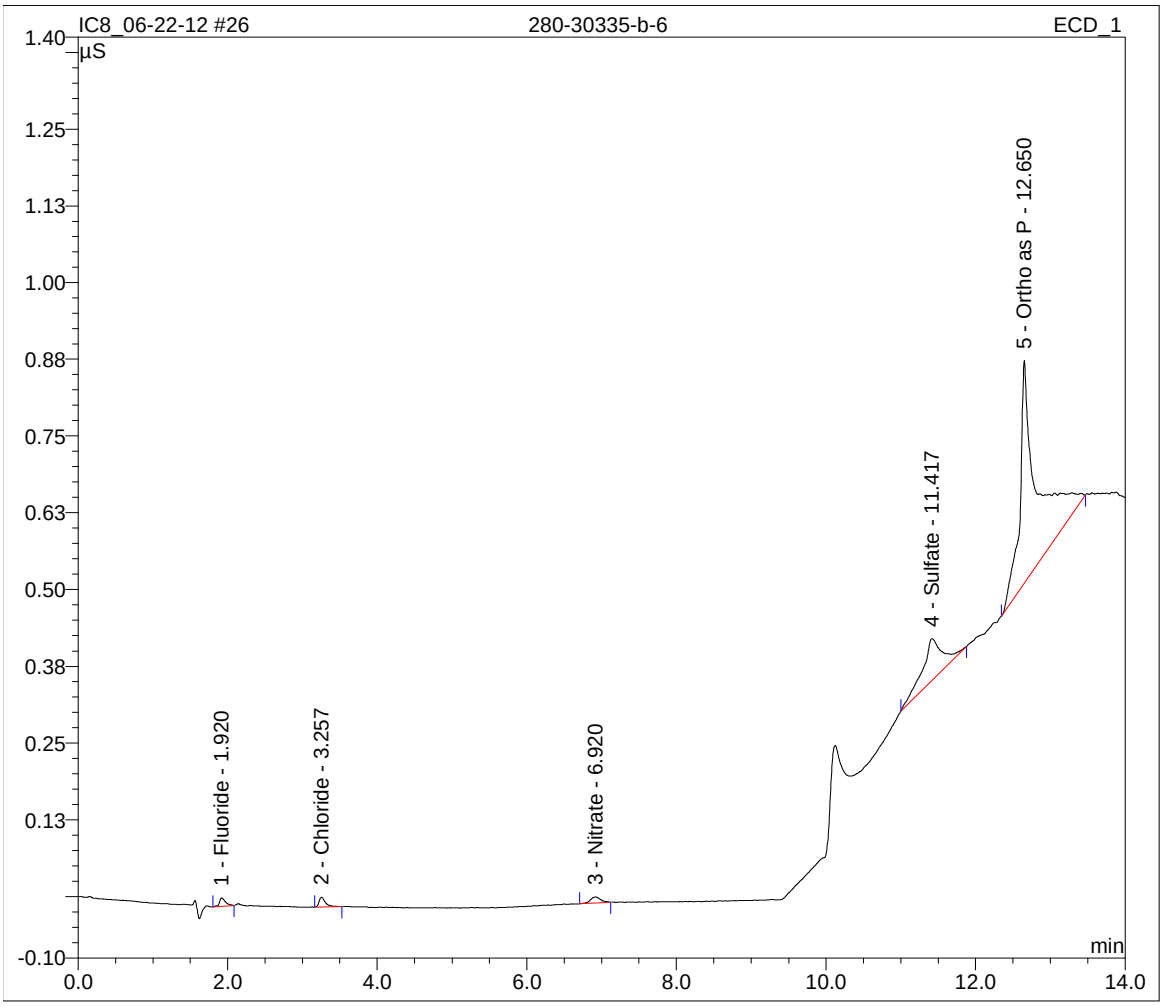
Sample Name:	**280-30335-b-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 13:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.016	0.199	0.0460
3	3.25	Chloride	BMB	1.940	20.951	14.2786
4	6.16	Bromide	BMB	0.005	0.033	0.1296
5	6.82	Nitrate	BMB	0.002	0.012	0.0400
6	11.36	Sulfate	BMB	0.763	9.284	6.8662
7	12.66	Ortho as P	BMB	0.134	0.290	0.0831
		TOTAL:		2.86	30.77	21.44



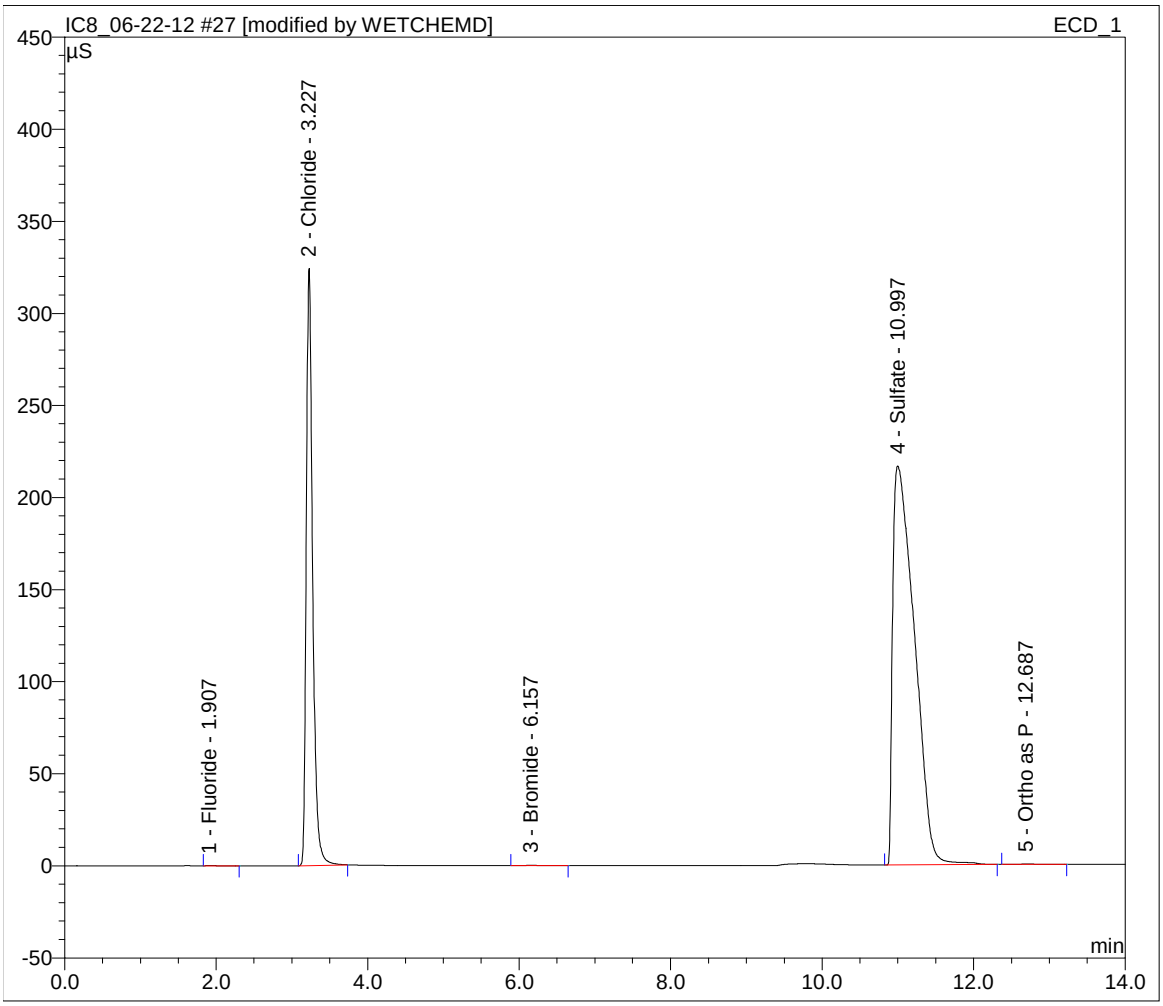
Sample Name:	**280-30335-b-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 14:09**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.001	0.014	-0.0172
2	3.26	Chloride	BMB	0.002	0.016	0.0767
3	6.92	Nitrate	BMB	0.002	0.010	0.0392
4	11.42	Sulfate	BMB	0.021	0.068	-0.0990
5	12.65	Ortho as P	BMB	0.097	0.363	-0.1080
		TOTAL:		0.12	0.47	-0.11



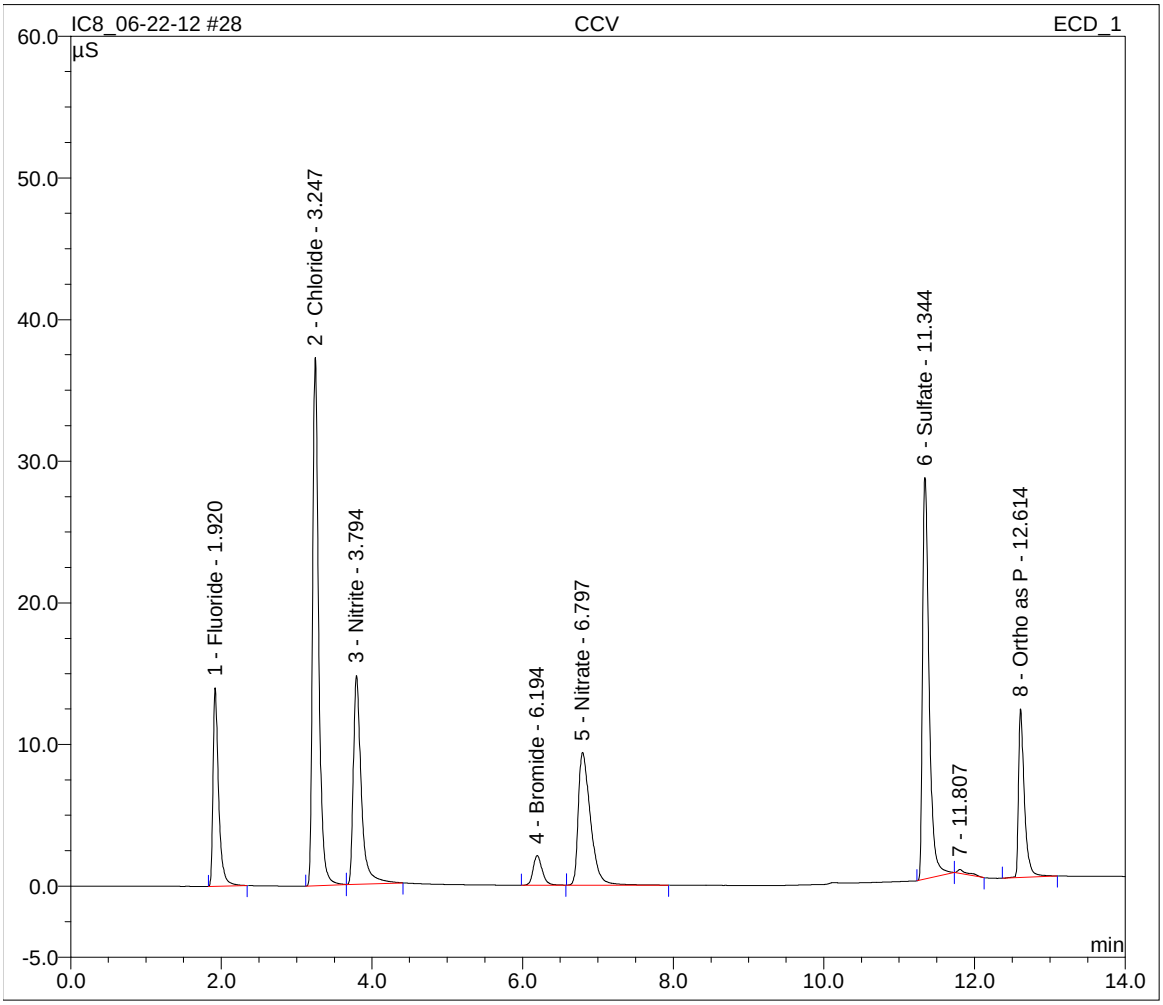
Sample Name:	**280-30328-a-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 14:26**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.008	0.077	0.0523
2	3.23	Chloride	BMB	31.671	324.248	1160.4643
3	6.16	Bromide	BMB	0.042	0.302	3.8467
4	11.00	Sulfate	BMB*	71.713	216.699	3363.9487
5	12.69	Ortho as P	BMB	0.074	0.286	-1.1726
		TOTAL:		103.51	541.61	4527.14



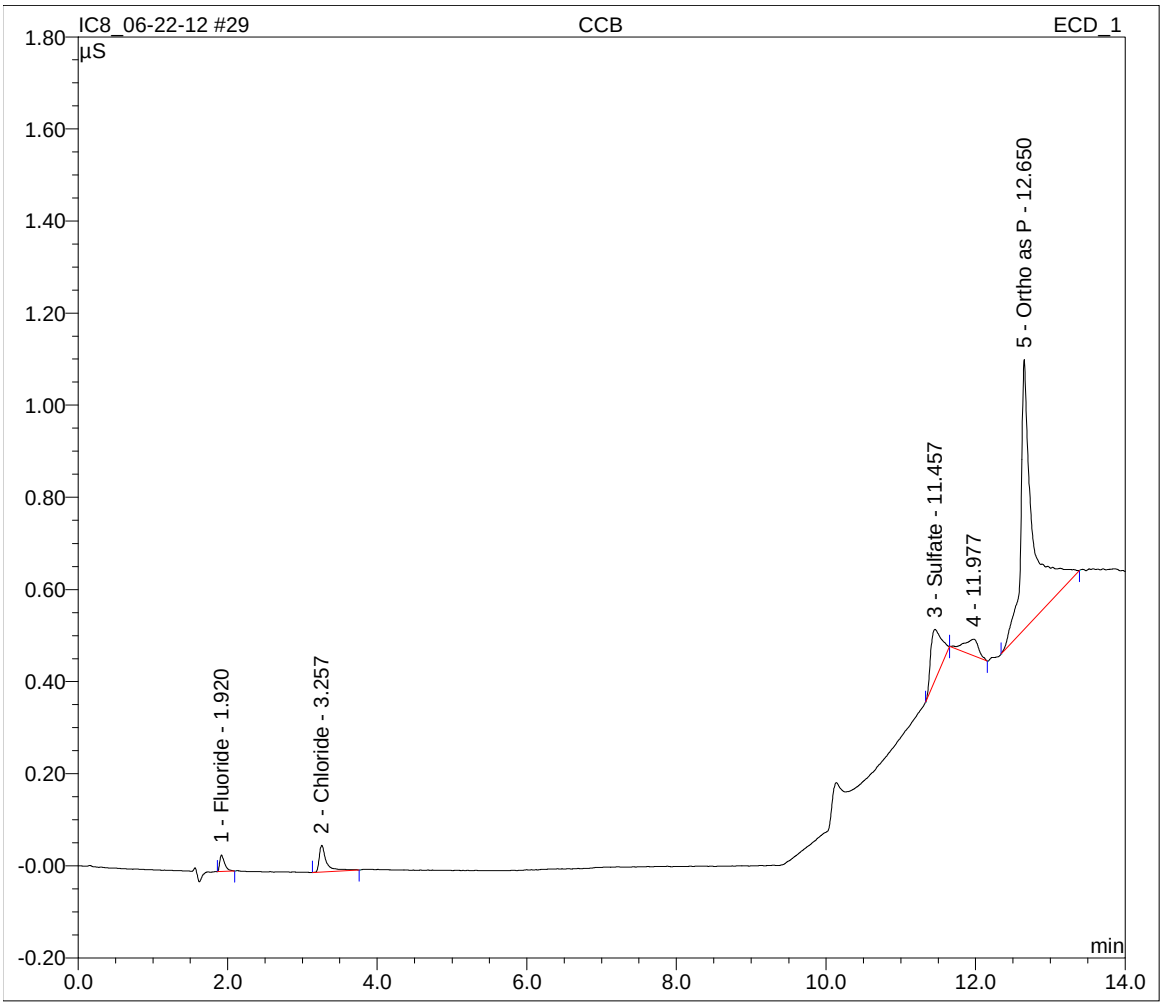
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 14:43**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.198	13.993	5.1245
2	3.25	Chloride	BMB	3.461	37.284	25.4205
3	3.79	Nitrite	BMB	1.789	14.738	4.8973
4	6.19	Bromide	BMB	0.290	2.095	5.0651
5	6.80	Nitrate	BMB	1.750	9.369	5.0977
6	11.34	Sulfate	BMb	2.868	28.346	26.6242
8	12.61	Ortho as P	BMB	1.080	11.894	5.0936
		TOTAL:		12.44	117.72	77.32



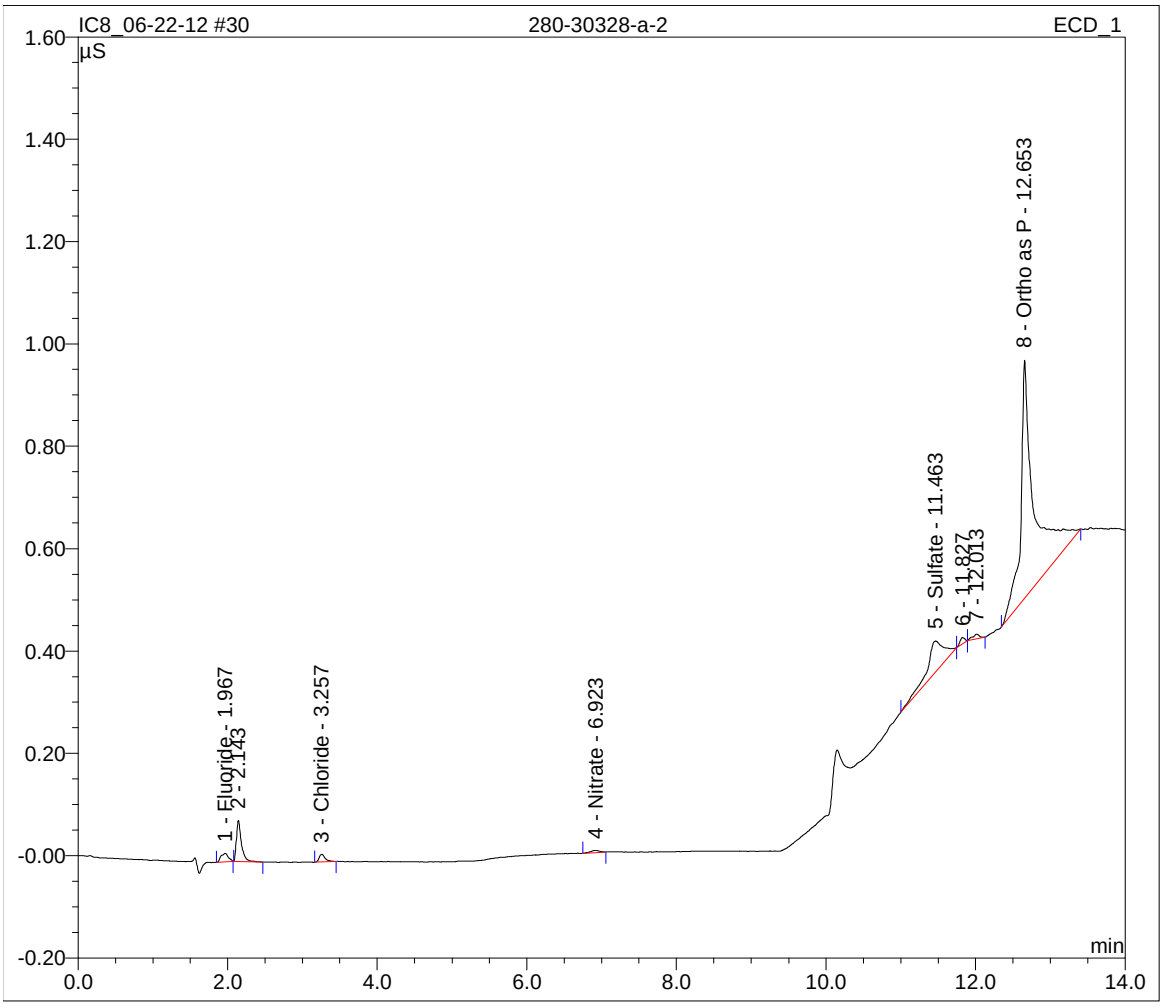
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 14:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.003	0.036	-0.0110
2	3.26	Chloride	BMB	0.007	0.058	0.1139
3	11.46	Sulfate	BMb	0.018	0.111	-0.1217
5	12.65	Ortho as P	BMB	0.112	0.585	-0.0297
		TOTAL:		0.14	0.79	-0.05



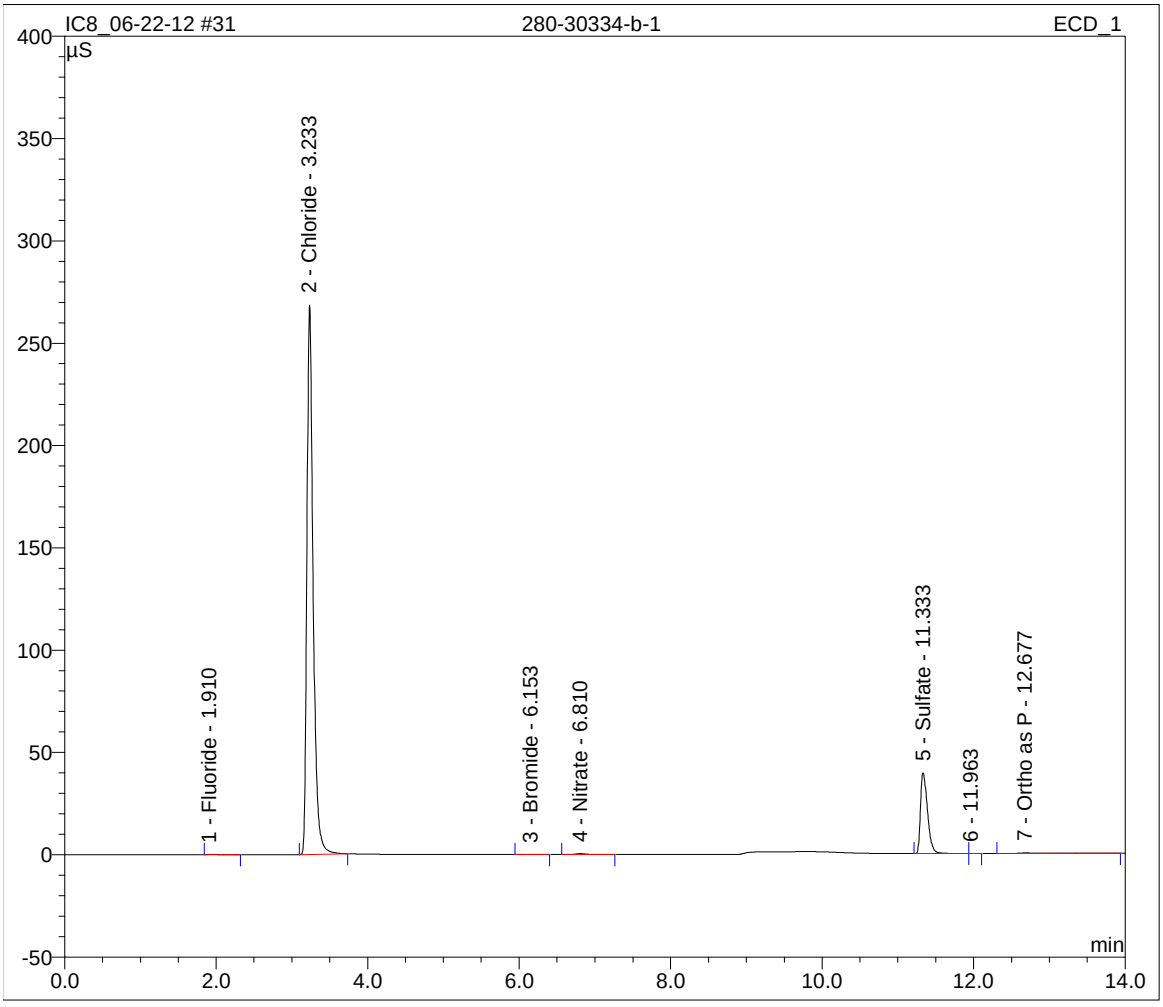
Sample Name:	**280-30328-a-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 15:16**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.97	Fluoride	BMB	0.002	0.017	-0.0145
3	3.26	Chloride	BMB	0.001	0.015	0.0753
4	6.92	Nitrate	BMB	0.001	0.004	0.0363
5	11.46	Sulfate	BMB	0.015	0.061	-0.1489
8	12.65	Ortho as P	BMB	0.098	0.465	-0.1029
		TOTAL:		0.12	0.56	-0.15



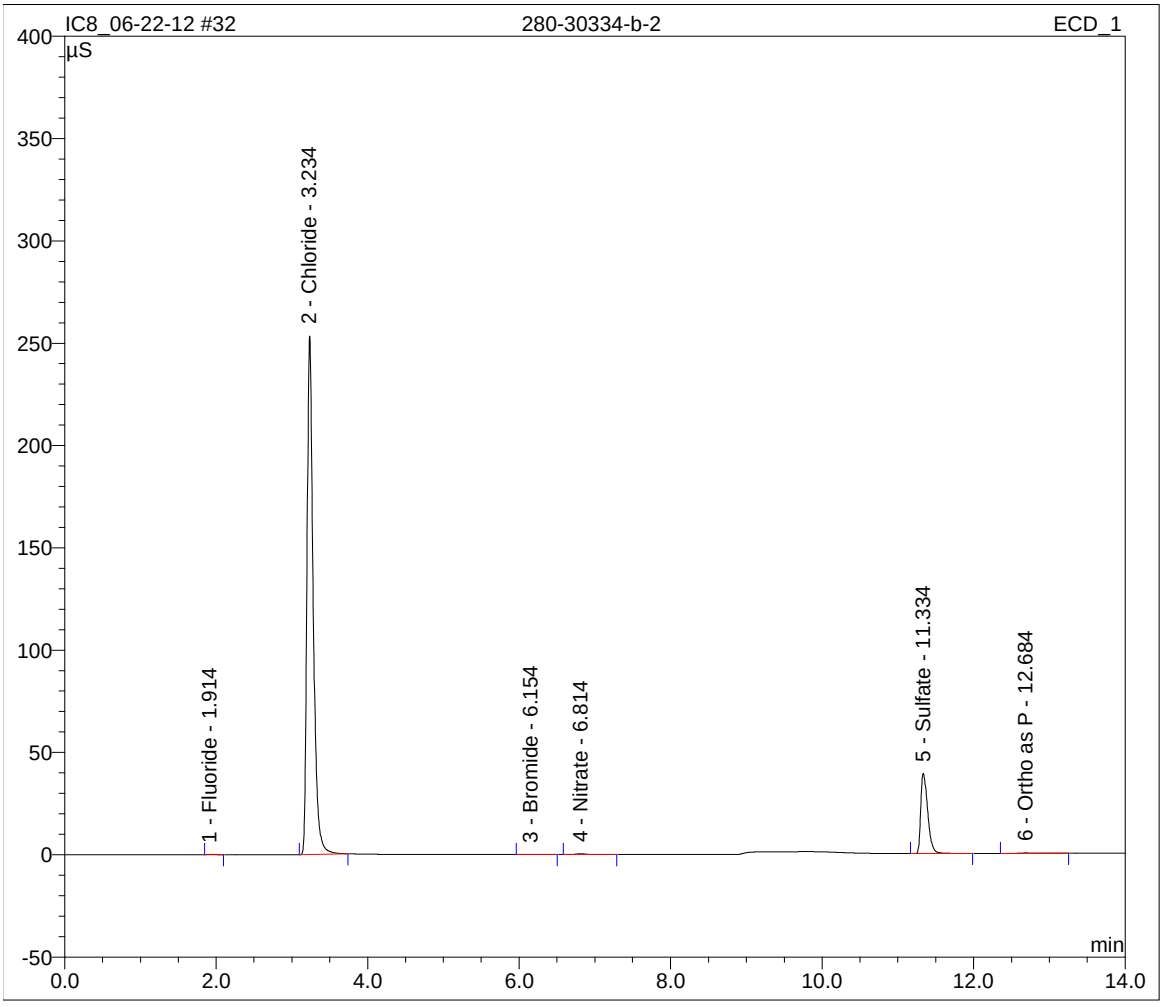
Sample Name:	**280-30334-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 15:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.014	0.160	0.0362
2	3.23	Chloride	BMB	25.624	268.549	187.7945
3	6.15	Bromide	BMB	0.013	0.096	0.2681
4	6.81	Nitrate	BMB	0.068	0.456	0.2310
5	11.33	Sulfate	BMb	4.252	39.451	39.6182
7	12.68	Ortho as P	BMB	0.132	0.309	0.0729
		TOTAL:		30.10	309.02	228.02



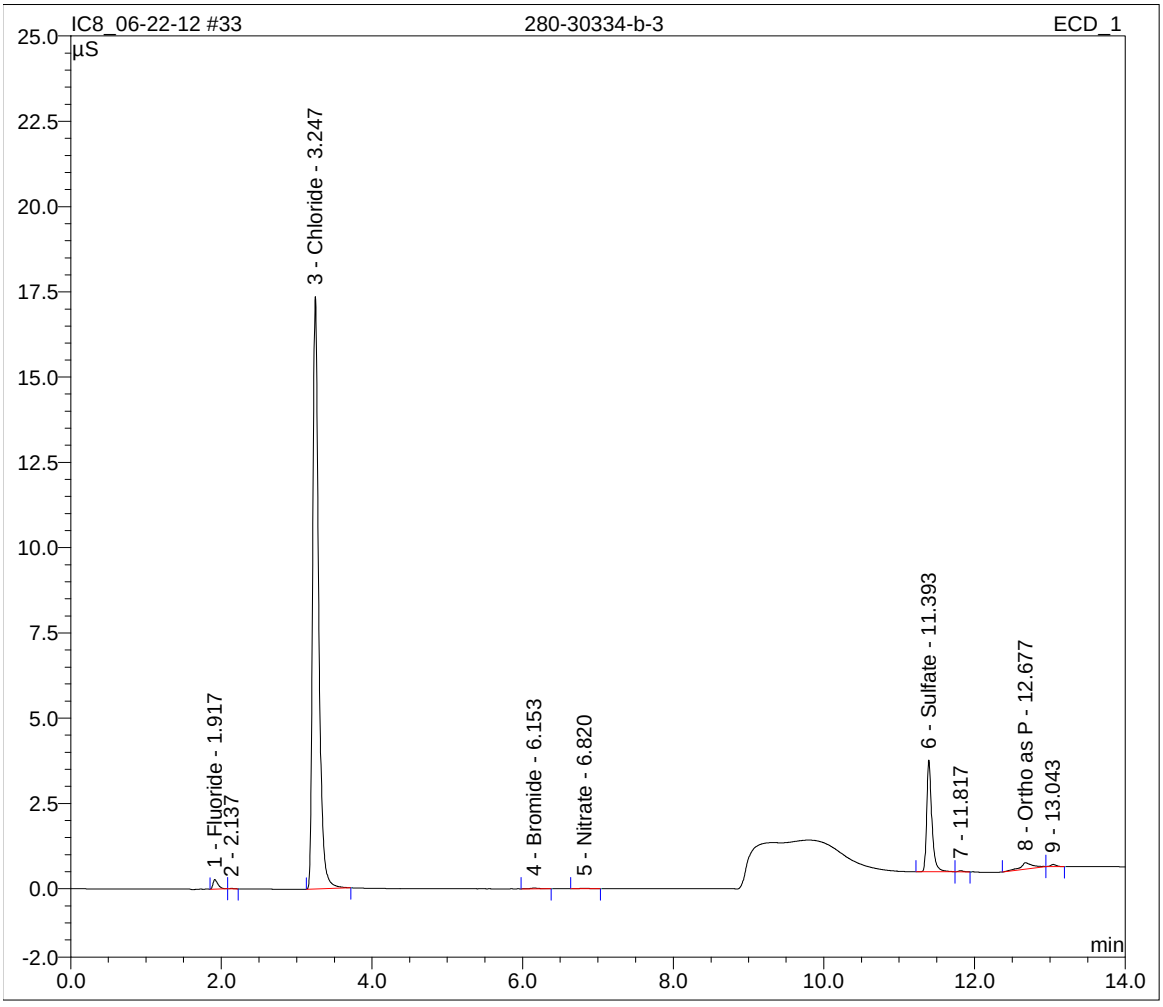
Sample Name:	**280-30334-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 15:50**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.013	0.159	0.0319
2	3.23	Chloride	BMB	24.212	253.529	177.4530
3	6.15	Bromide	BMB	0.013	0.094	0.2690
4	6.81	Nitrate	BMB	0.055	0.363	0.1924
5	11.33	Sulfate	BMB	4.189	39.142	39.0245
6	12.68	Ortho as P	BMB	0.061	0.225	-0.3015
		TOTAL:		28.54	293.51	216.67



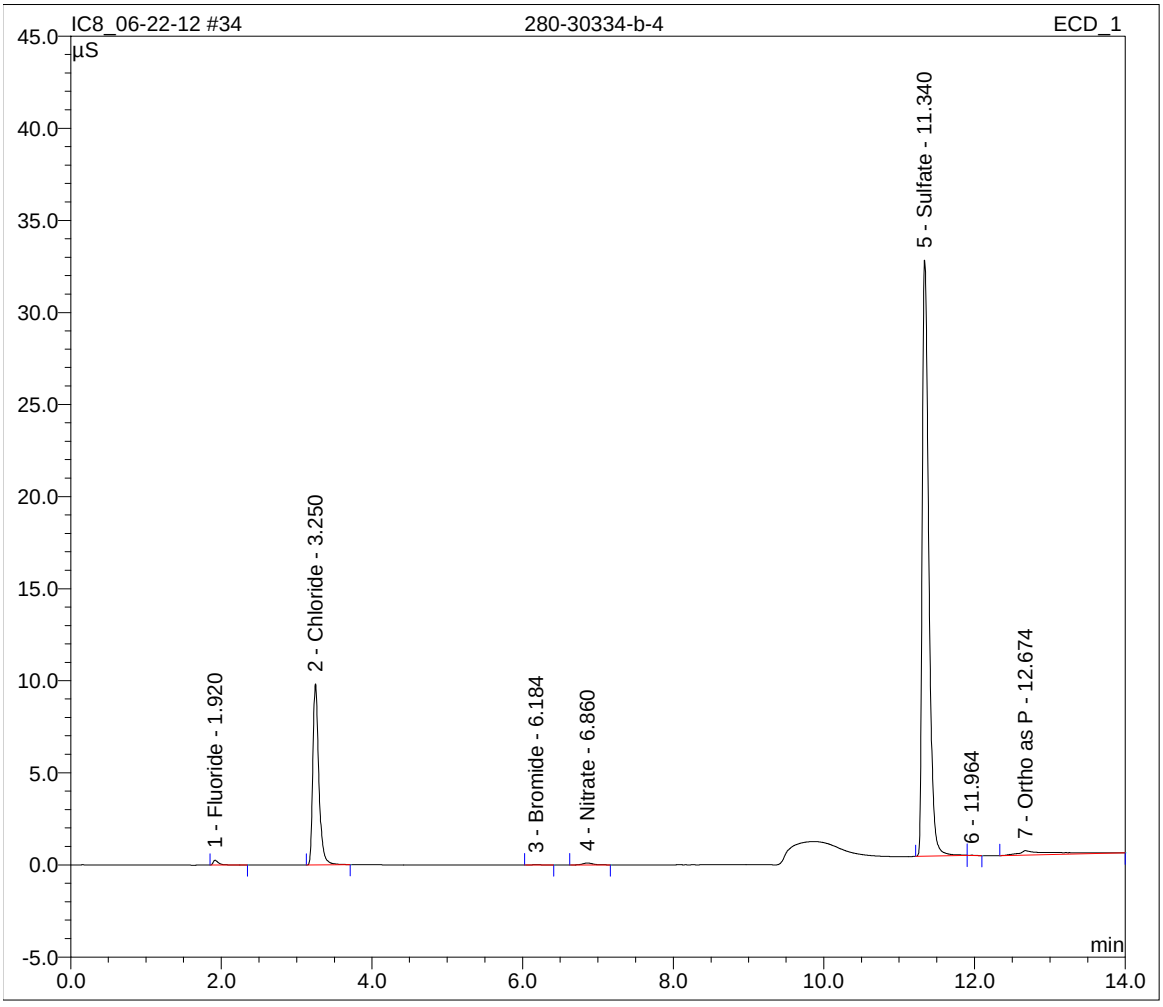
Sample Name:	**280-30334-b-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 16:07**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.021	0.279	0.0667
3	3.25	Chloride	BMB	1.600	17.367	11.7855
4	6.15	Bromide	BMB	0.003	0.020	0.0953
5	6.82	Nitrate	BMB	0.002	0.013	0.0403
6	11.39	Sulfate	BMB	0.259	3.269	2.1415
8	12.68	Ortho as P	BMB	0.034	0.189	-0.4429
		TOTAL:		1.92	21.14	13.69



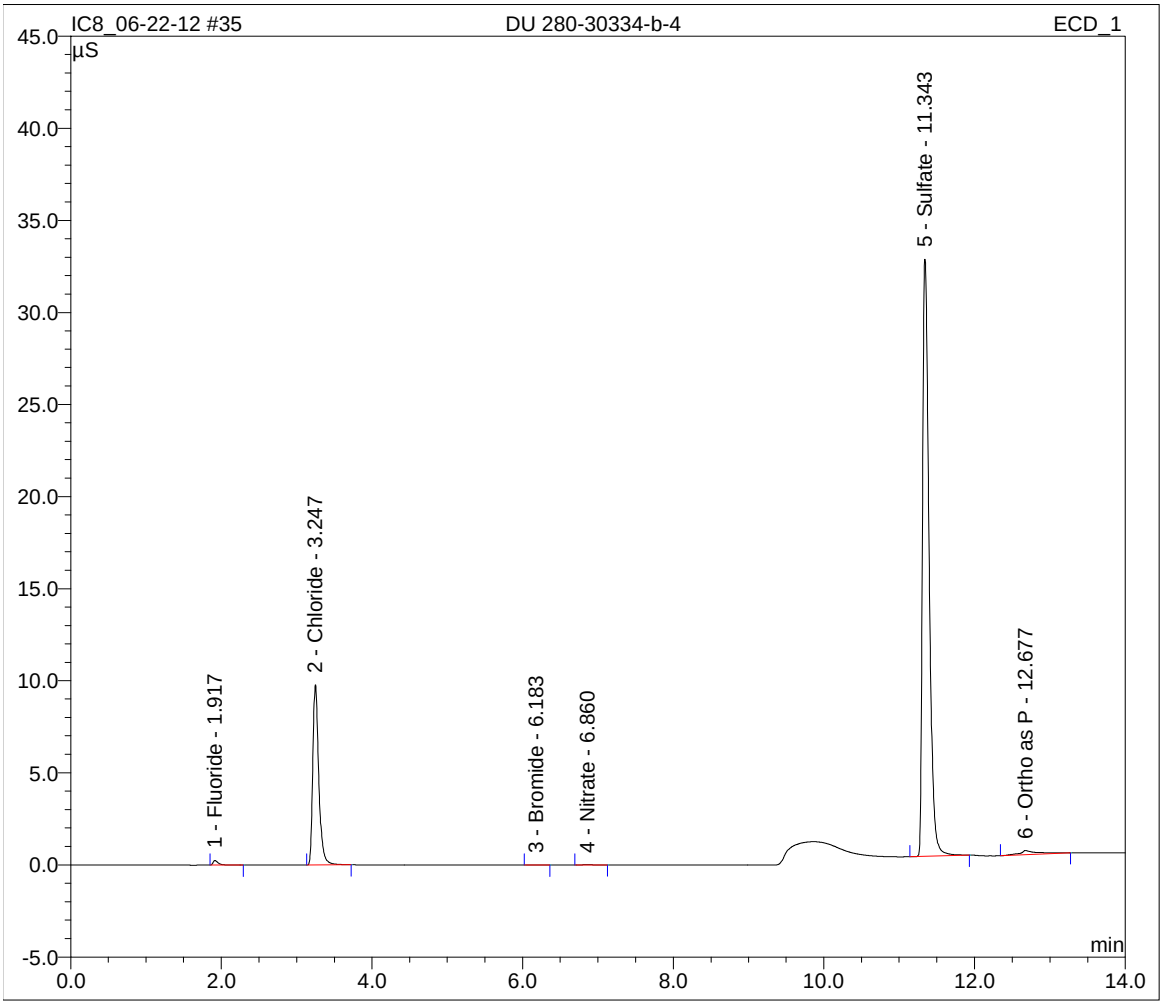
Sample Name:	**280-30334-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 16:23**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.022	0.264	0.0736
2	3.25	Chloride	BMB	0.904	9.829	6.6881
3	6.18	Bromide	BMB	0.001	0.010	0.0703
4	6.86	Nitrate	BMB	0.016	0.104	0.0795
5	11.34	Sulfate	BMB	3.271	32.379	30.4049
7	12.67	Ortho as P	BMB	0.128	0.240	0.0560
		TOTAL:		4.34	42.82	37.37



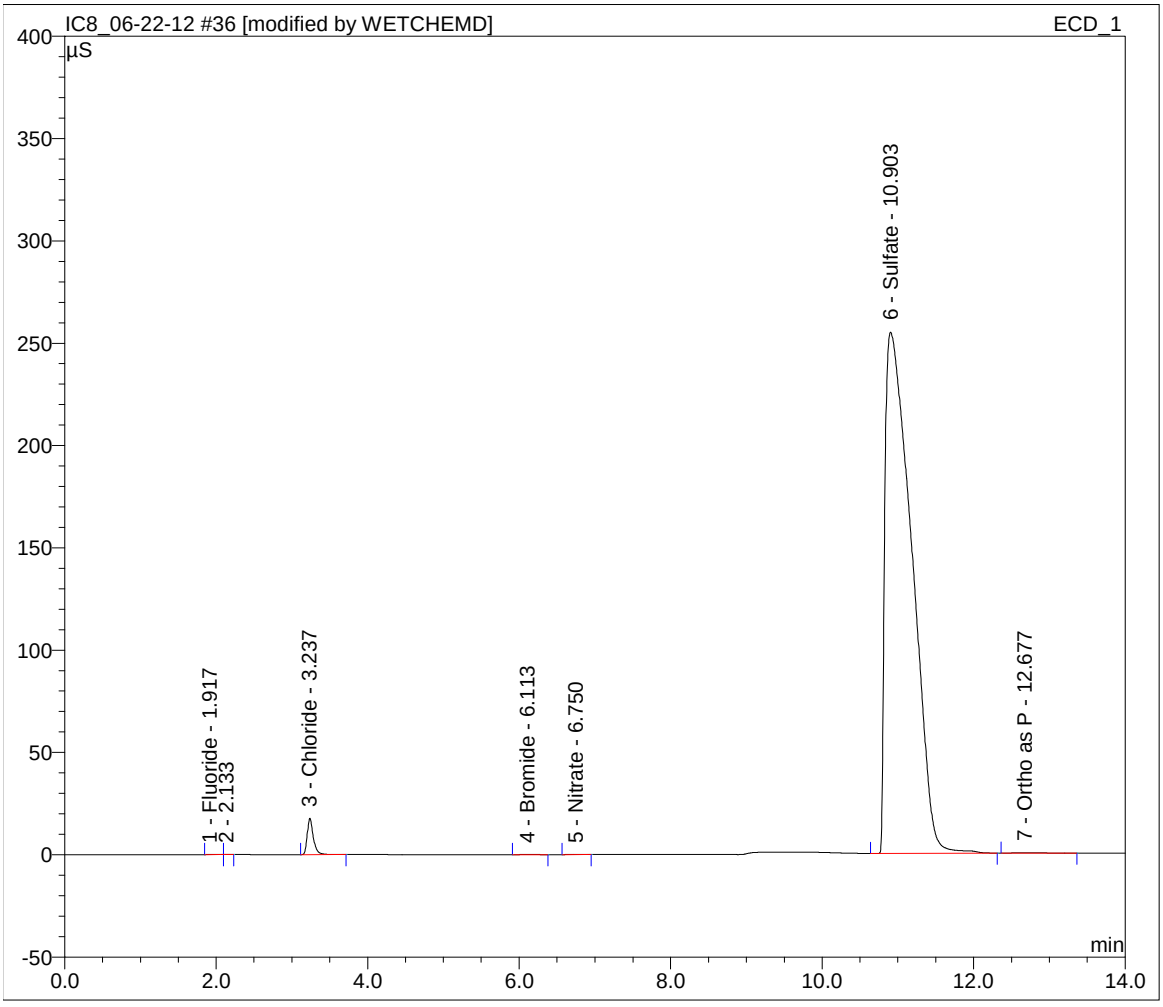
Sample Name:	**DU 280-30334-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 16:40**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.020	0.254	0.0652
2	3.25	Chloride	BMB	0.900	9.778	6.6556
3	6.18	Bromide	BMB	0.001	0.010	0.0703
4	6.86	Nitrate	BMB	0.003	0.019	0.0426
5	11.34	Sulfate	BMB	3.284	32.429	30.5275
6	12.68	Ortho as P	BMB	0.065	0.229	-0.2817
		TOTAL:		4.27	42.72	37.08



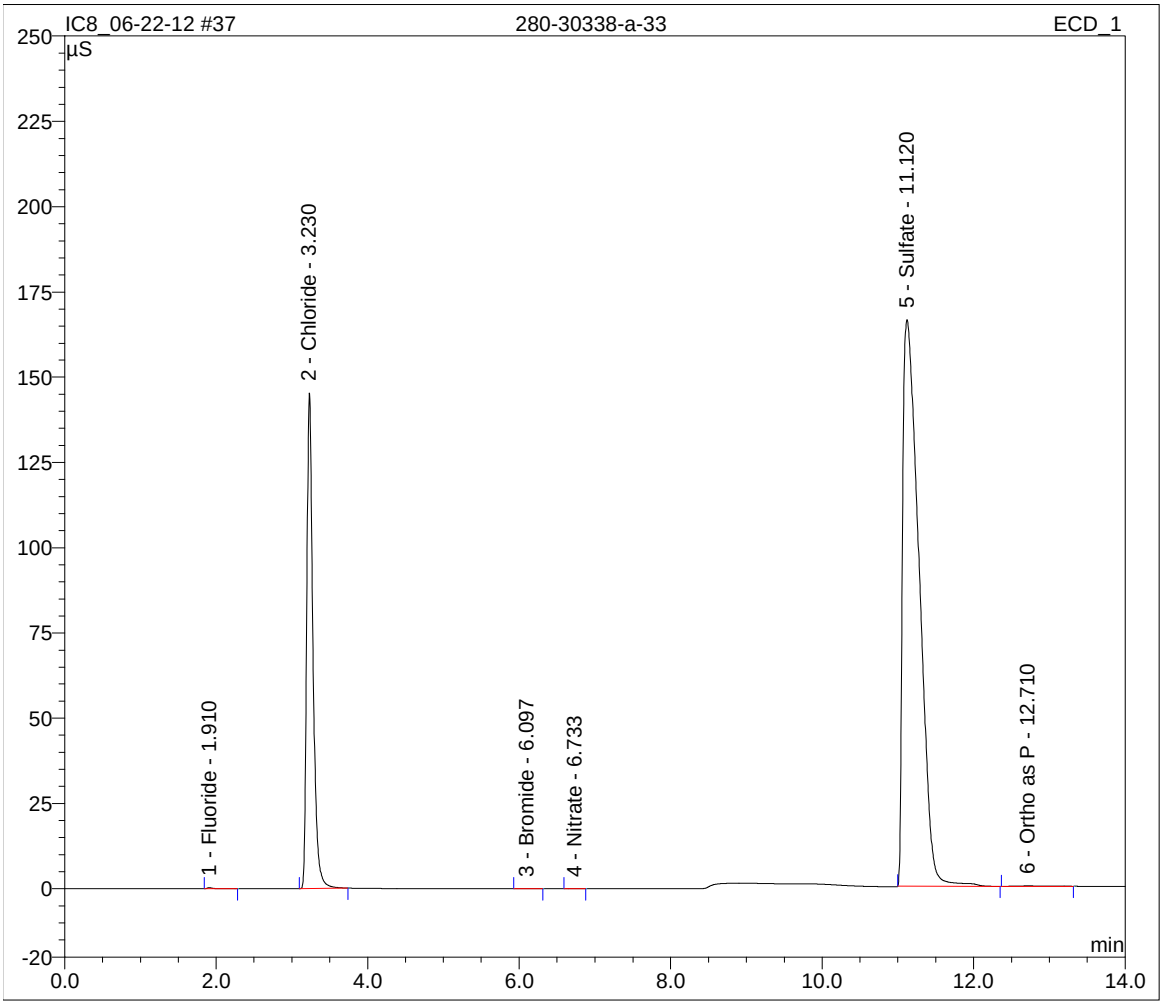
Sample Name:	**280-30338-a-4 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 16:57**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.019	0.158	0.1205
3	3.24	Chloride	BMB	1.651	17.711	24.3186
4	6.11	Bromide	BMB	0.006	0.045	0.3056
5	6.75	Nitrate	BMB	0.001	0.009	0.0765
6	10.90	Sulfate	BMB*	103.374	254.836	1939.9217
7	12.68	Ortho as P	BMB	0.064	0.193	-0.5670
		TOTAL:		105.12	272.95	1964.18



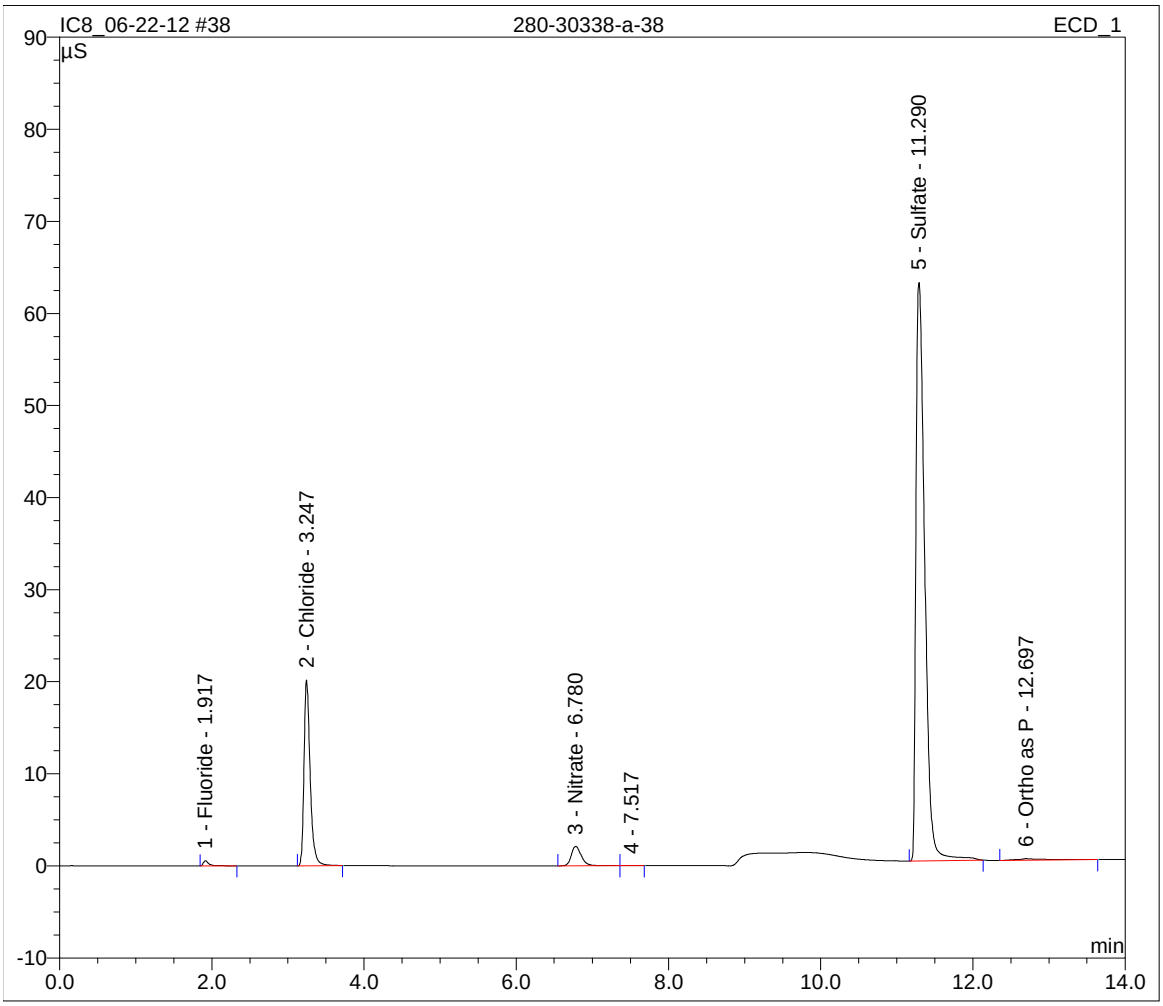
Sample Name:	**280-30338-a-33**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 17:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.028	0.321	0.0974
2	3.23	Chloride	BMB	13.909	145.302	101.9700
3	6.10	Bromide	BMB	0.004	0.033	0.1227
4	6.73	Nitrate	BMB	0.001	0.006	0.0368
5	11.12	Sulfate	BMB	41.868	166.089	392.6701
6	12.71	Ortho as P	BMB	0.059	0.165	-0.3113
TOTAL:				55.87	311.92	494.59



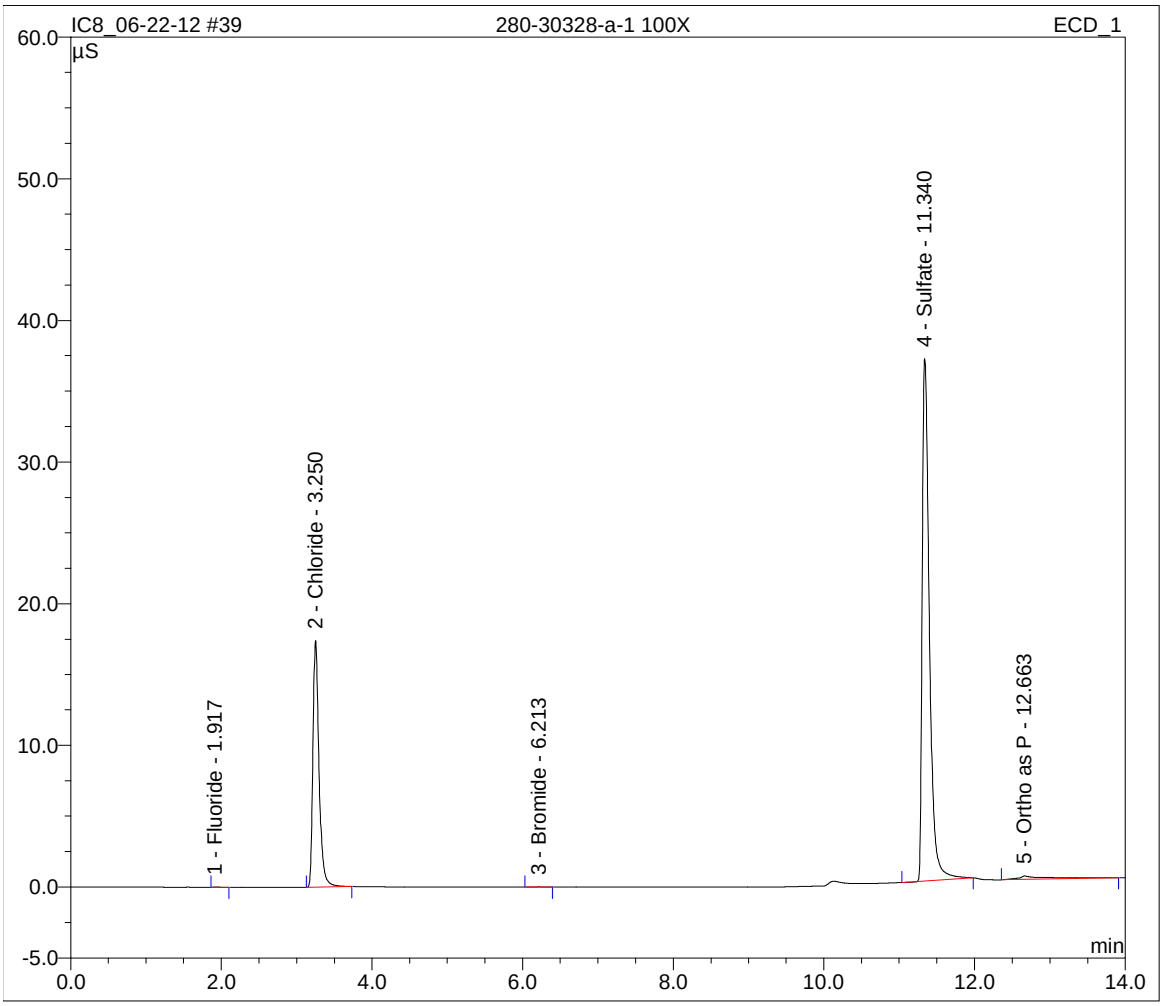
Sample Name:	**280-30338-a-38**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 17:31**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.048	0.571	0.1824
2	3.25	Chloride	BMB	1.876	20.153	13.8100
3	6.78	Nitrate	BMb	0.320	2.104	0.9601
5	11.29	Sulfate	BMB	8.458	62.830	79.0967
6	12.70	Ortho as P	BMB	0.078	0.174	-0.2114
		TOTAL:		10.78	85.83	93.84



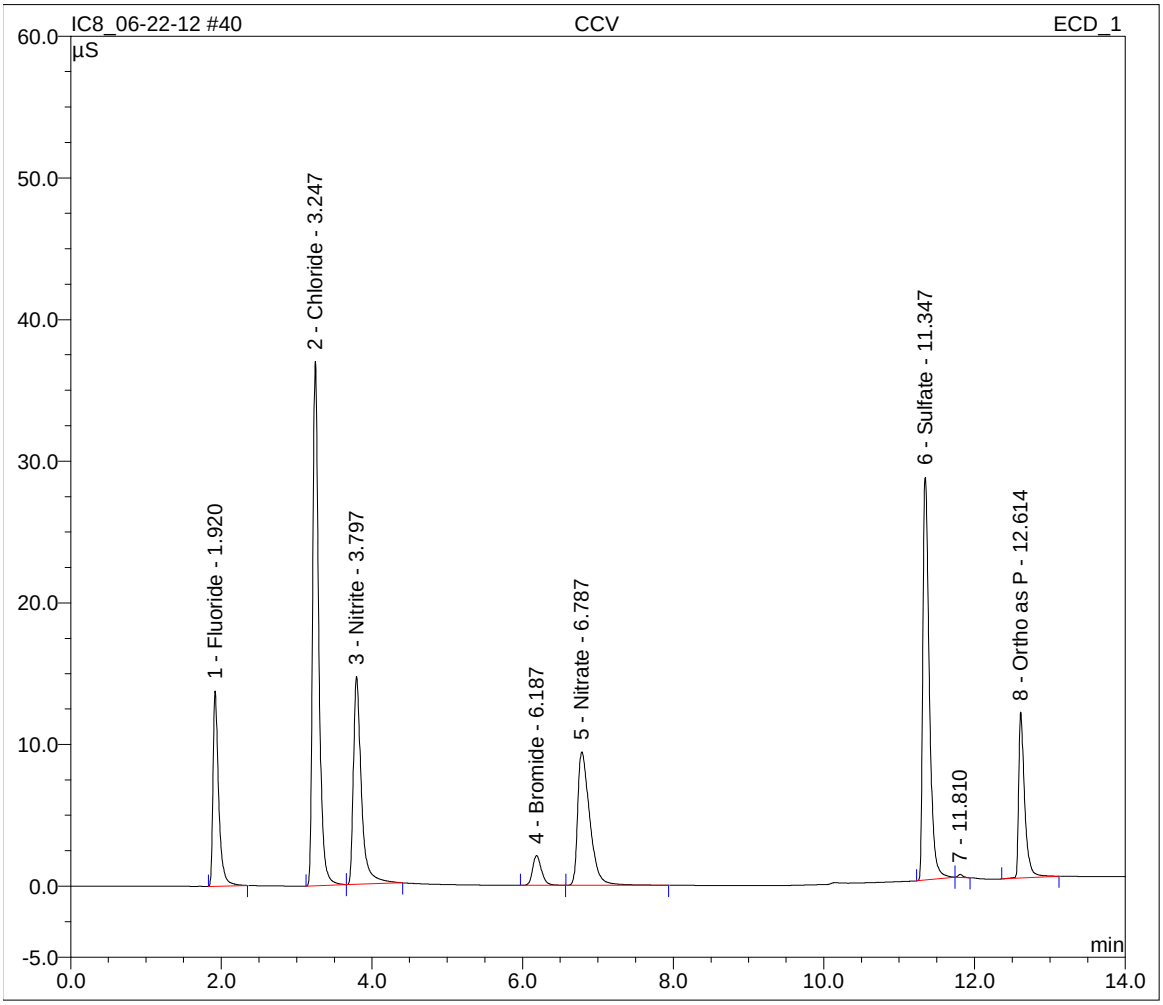
Sample Name:	**280-30328-a-1 100X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**100.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 17:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.001	0.009	-1.9389
2	3.25	Chloride	BMB	1.630	17.400	1200.4063
3	6.21	Bromide	BMB	0.002	0.014	8.1074
4	11.34	Sulfate	BMB	4.090	36.865	3809.9173
5	12.66	Ortho as P	BMB	0.114	0.244	-1.9355
		TOTAL:		5.84	54.53	5014.56



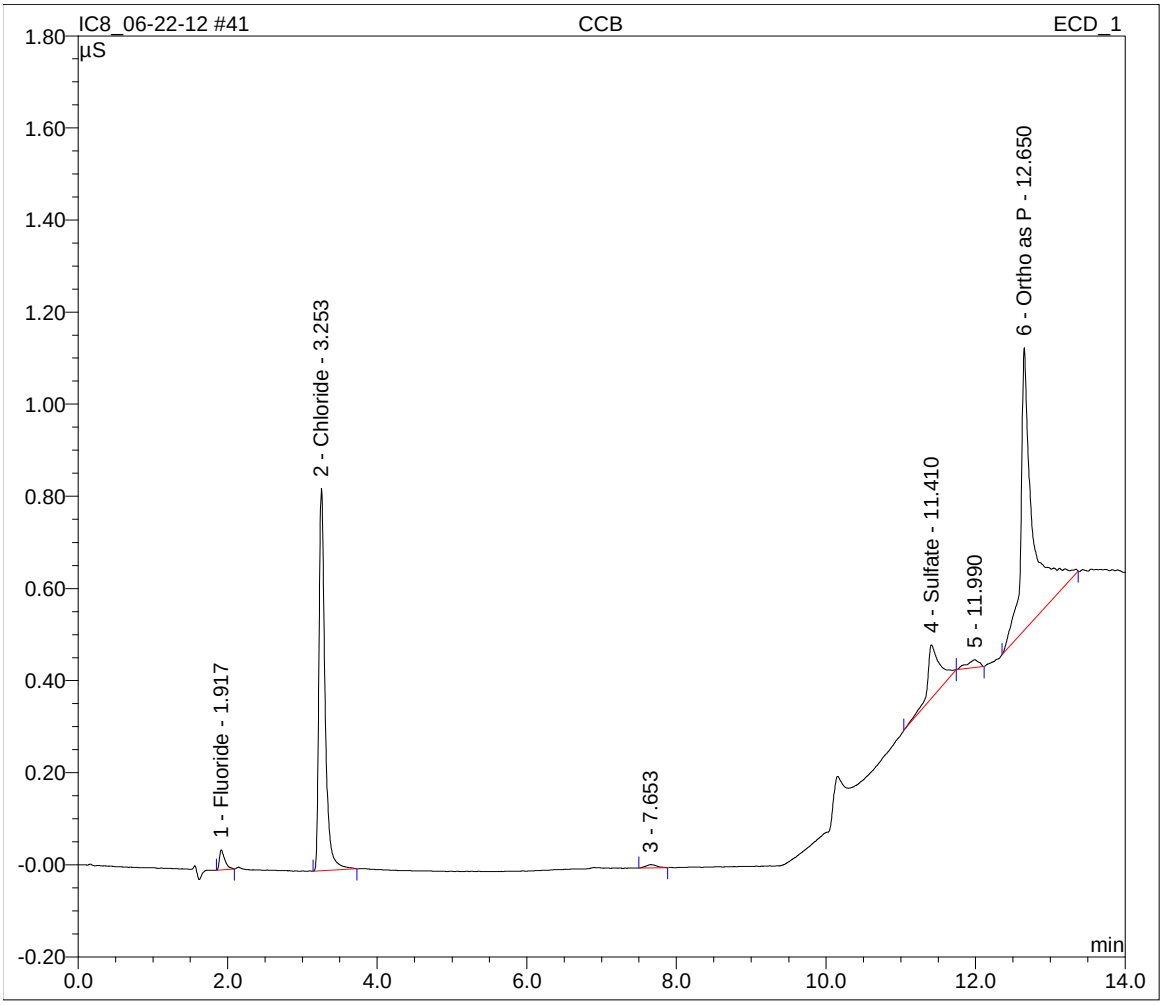
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 18:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.196	13.778	5.1121
2	3.25	Chloride	BMB	3.466	37.007	25.4578
3	3.80	Nitrite	BMB	1.798	14.667	4.9211
4	6.19	Bromide	BMB	0.289	2.103	5.0429
5	6.79	Nitrate	BMB	1.748	9.413	5.0921
6	11.35	Sulfate	BMb	2.848	28.433	26.4406
8	12.61	Ortho as P	BMB	1.079	11.692	5.0900
		TOTAL:		12.42	117.09	77.16



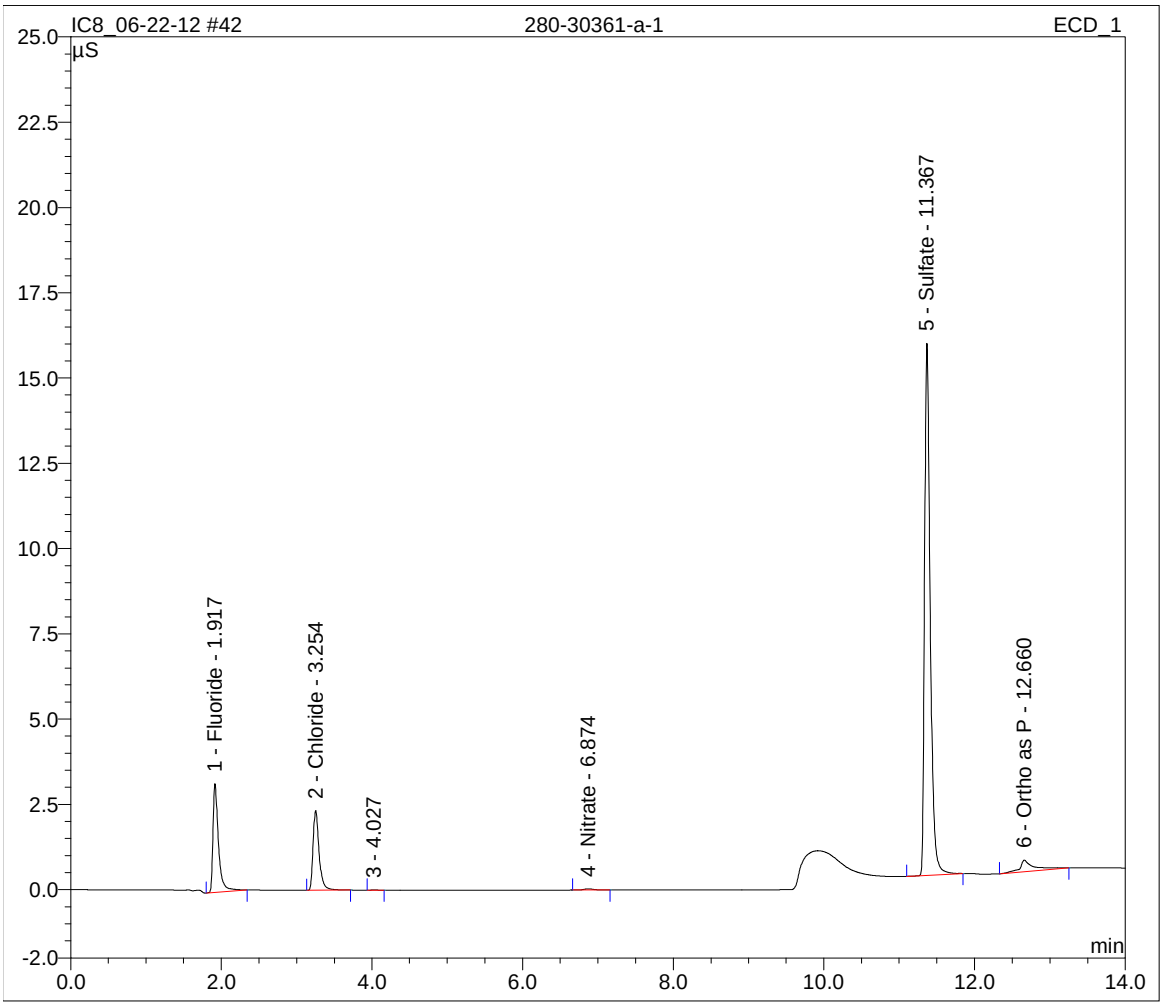
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 18:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.004	0.044	-0.0072
2	3.25	Chloride	BMB	0.078	0.830	0.6364
4	11.41	Sulfate	BMB	0.022	0.117	-0.0904
6	12.65	Ortho as P	BMB	0.115	0.613	-0.0160
		TOTAL:		0.22	1.60	0.52



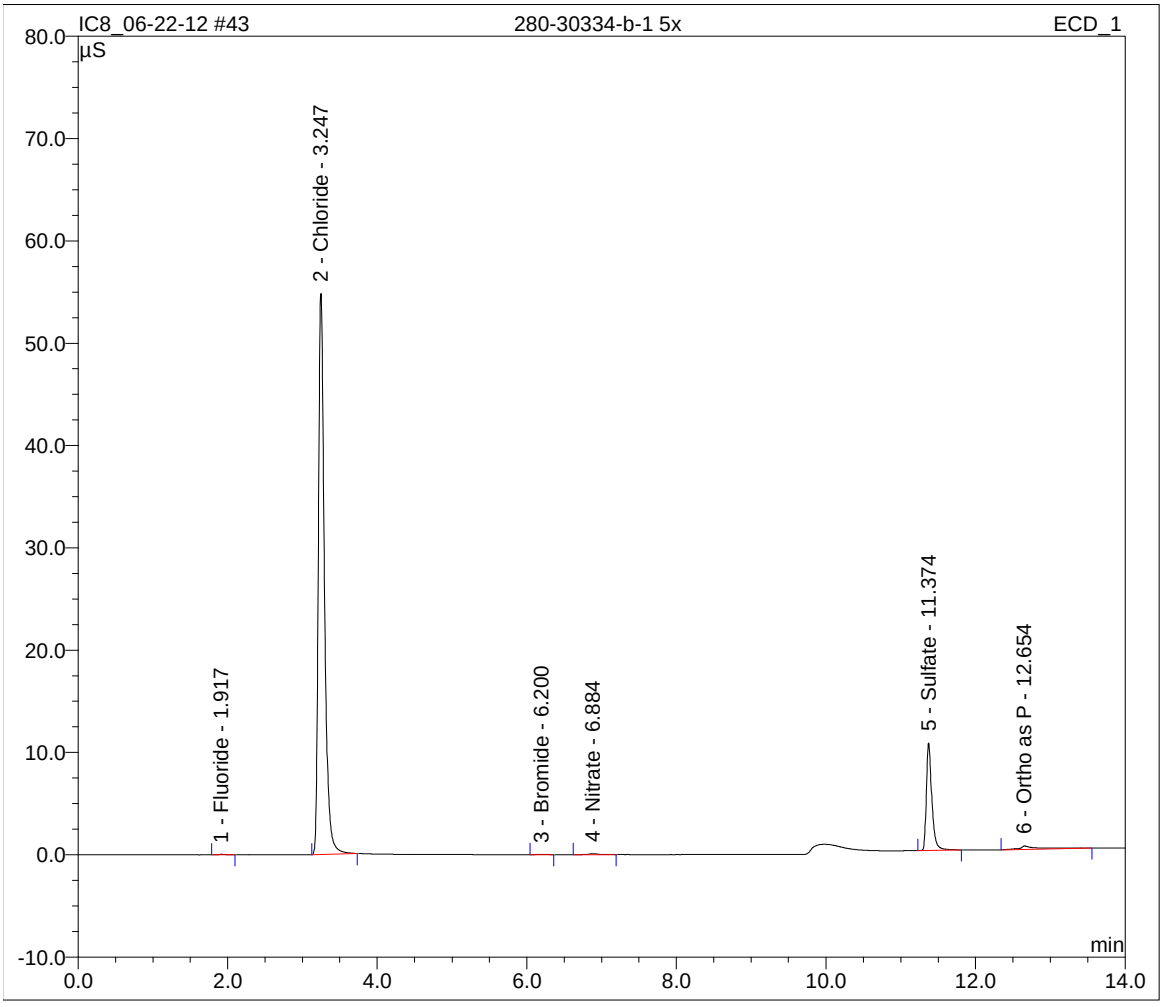
Sample Name:	**280-30361-a-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 18:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.270	3.183	1.1375
2	3.25	Chloride	BMB	0.216	2.329	1.6511
4	6.87	Nitrate	BMB	0.005	0.035	0.0500
5	11.37	Sulfate	BMB	1.360	15.606	12.4751
6	12.66	Ortho as P	BMB	0.073	0.343	-0.2350
		TOTAL:		1.93	21.50	15.08



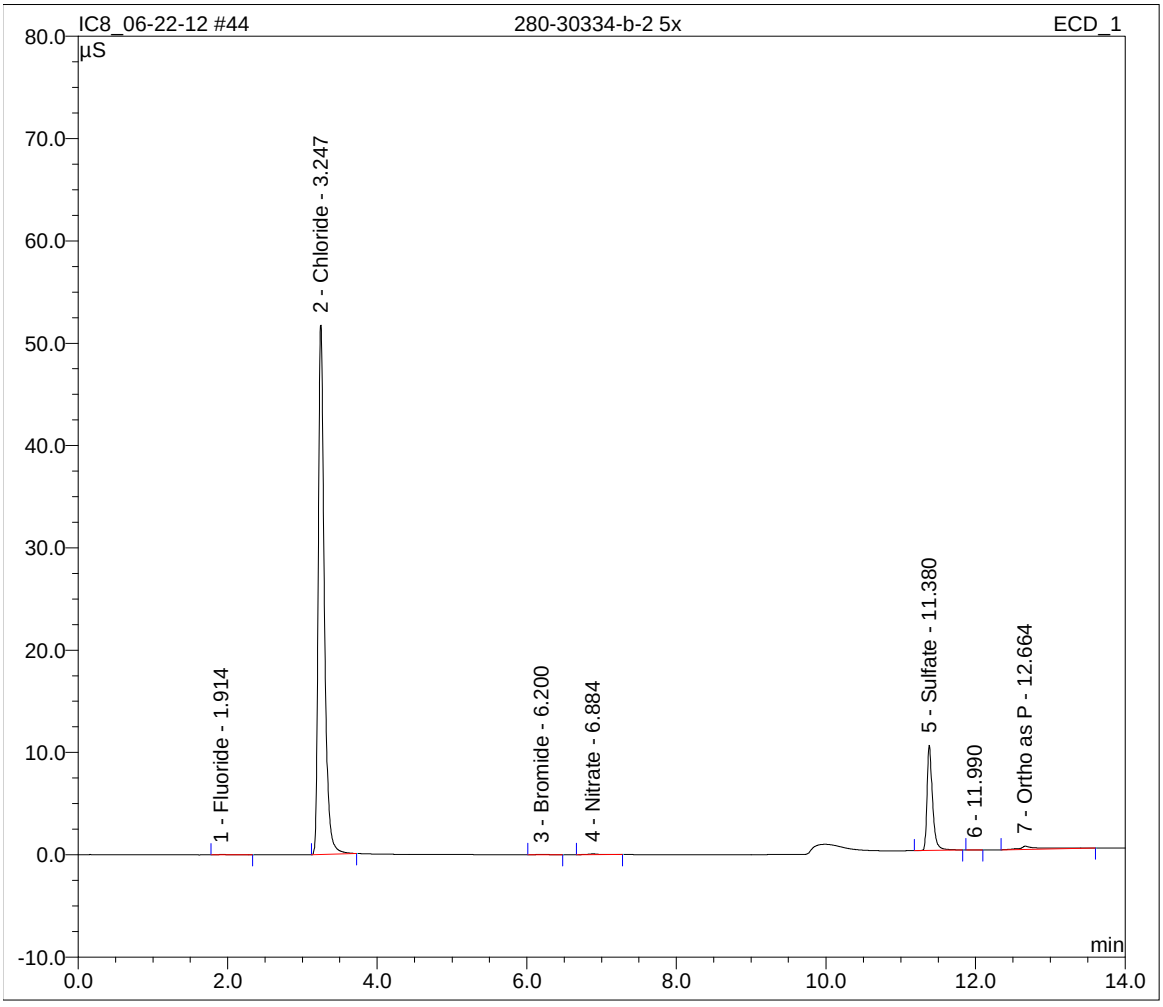
Sample Name:	**280-30334-b-1 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 18:55**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.004	0.052	-0.0191
2	3.25	Chloride	BMB	5.160	54.838	189.3304
3	6.20	Bromide	BMB	0.002	0.018	0.4273
4	6.88	Nitrate	BMB	0.012	0.082	0.3538
5	11.37	Sulfate	BMB	0.888	10.483	40.2309
6	12.65	Ortho as P	BMB	0.098	0.335	-0.5311
		TOTAL:		6.16	65.81	229.79



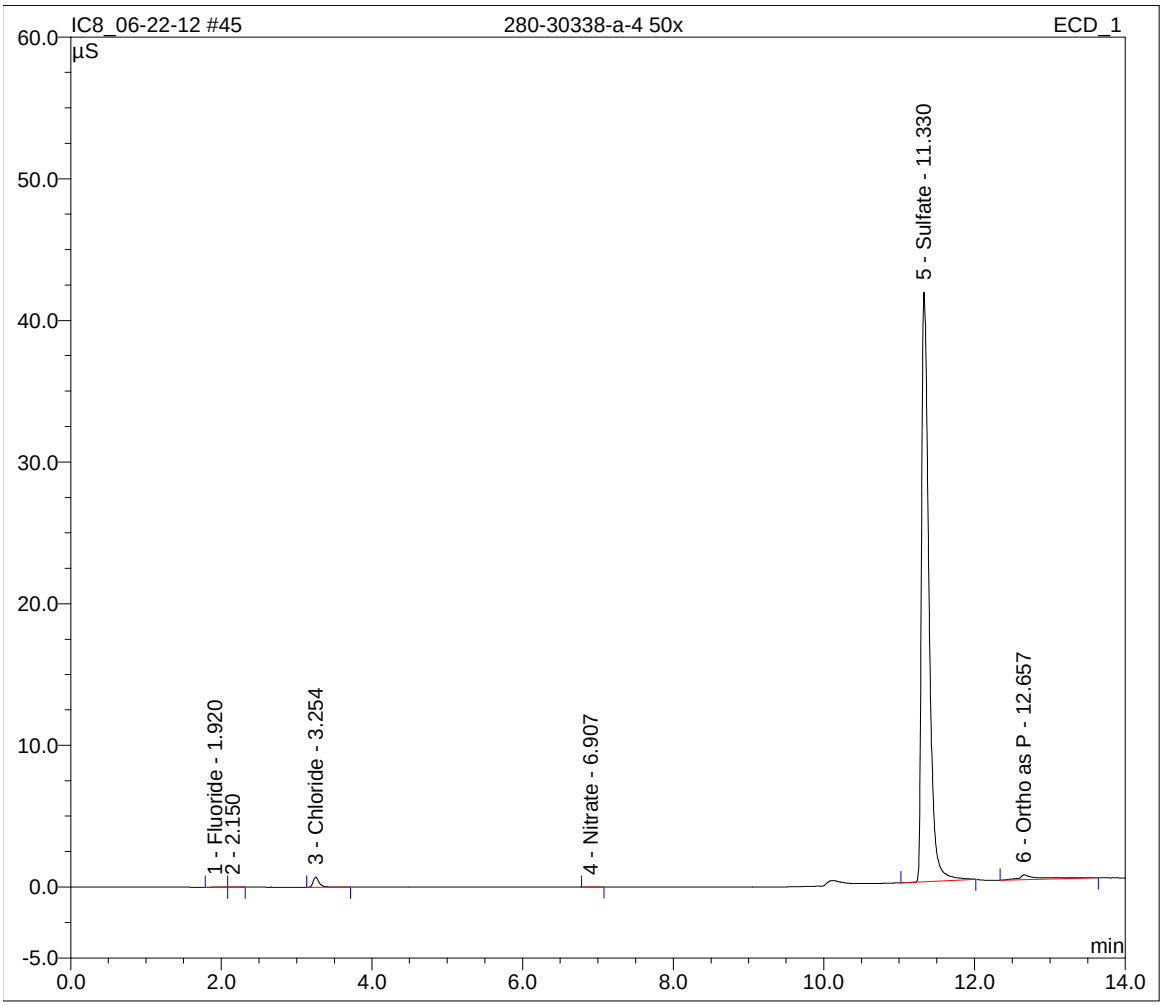
Sample Name:	**280-30334-b-2 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 19:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.042	-0.0129
2	3.25	Chloride	BMB	4.865	51.759	178.5563
3	6.20	Bromide	BMB	0.003	0.018	0.4595
4	6.88	Nitrate	BMB	0.011	0.069	0.3327
5	11.38	Sulfate	BMB	0.869	10.271	39.3246
7	12.66	Ortho as P	BMB	0.099	0.318	-0.4875
		TOTAL:		5.85	62.48	218.17



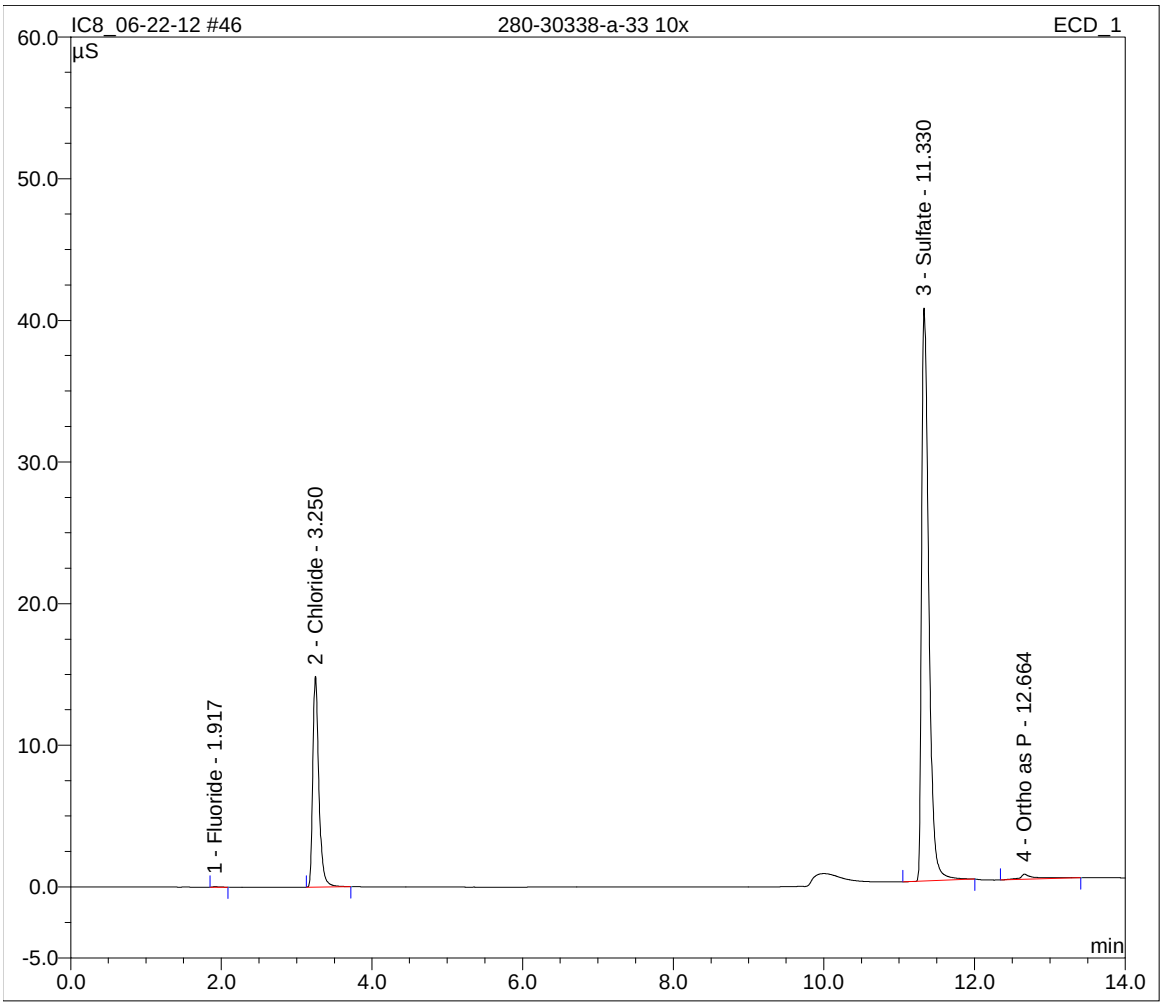
Sample Name:	**280-30338-a-4 50x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 19:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.002	0.017	-0.7653
3	3.25	Chloride	BMB	0.066	0.708	27.2816
4	6.91	Nitrate	BMB	0.001	0.005	1.8145
5	11.33	Sulfate	BMB	4.805	41.633	2240.2203
6	12.66	Ortho as P	BMB	0.106	0.343	-3.1742
		TOTAL:		4.98	42.71	2265.38



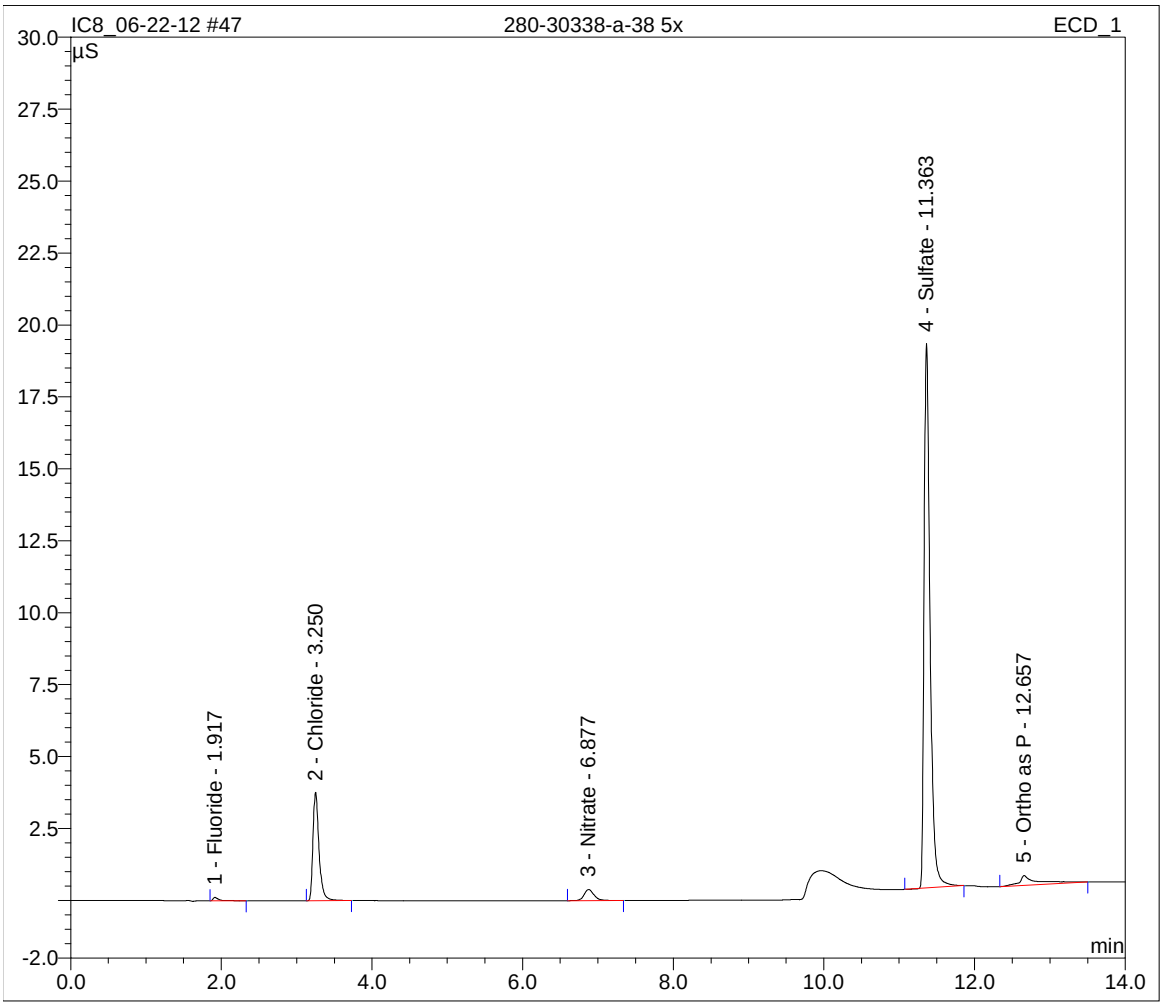
Sample Name:	**280-30338-a-33 10x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**10.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 19:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.003	0.038	-0.1022
2	3.25	Chloride	BMB	1.388	14.881	102.3670
3	11.33	Sulfate	BMB	4.510	40.443	420.3608
4	12.66	Ortho as P	BMB	0.085	0.371	-1.7615
TOTAL:				5.99	55.73	520.86



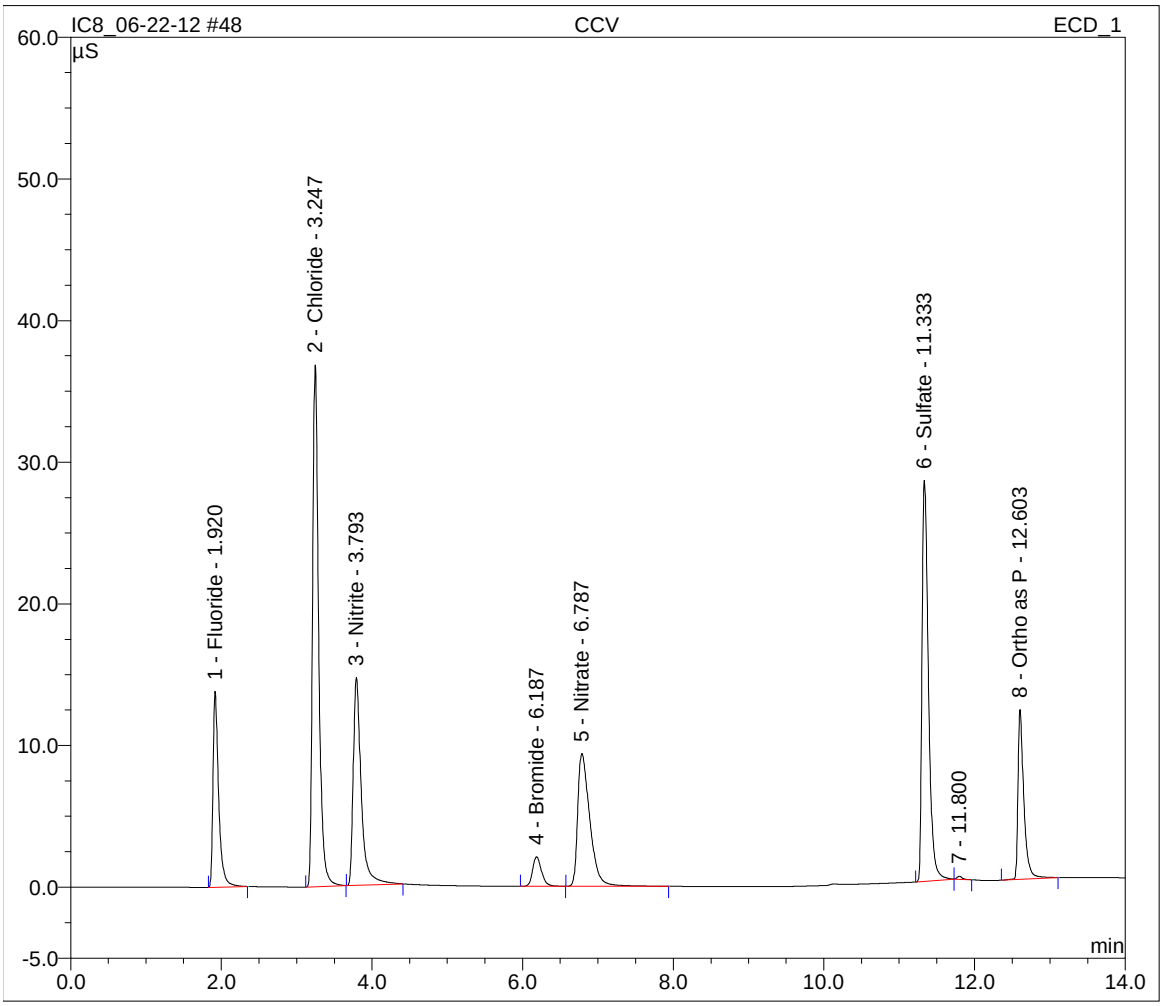
Sample Name:	**280-30338-a-38 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 20:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.010	0.118	0.1008
2	3.25	Chloride	BMB	0.350	3.762	13.1294
3	6.88	Nitrate	BMB	0.059	0.385	1.0241
4	11.36	Sulfate	BMB	1.734	18.925	79.9081
5	12.66	Ortho as P	BMB	0.093	0.342	-0.6558
		TOTAL:		2.25	23.53	93.51



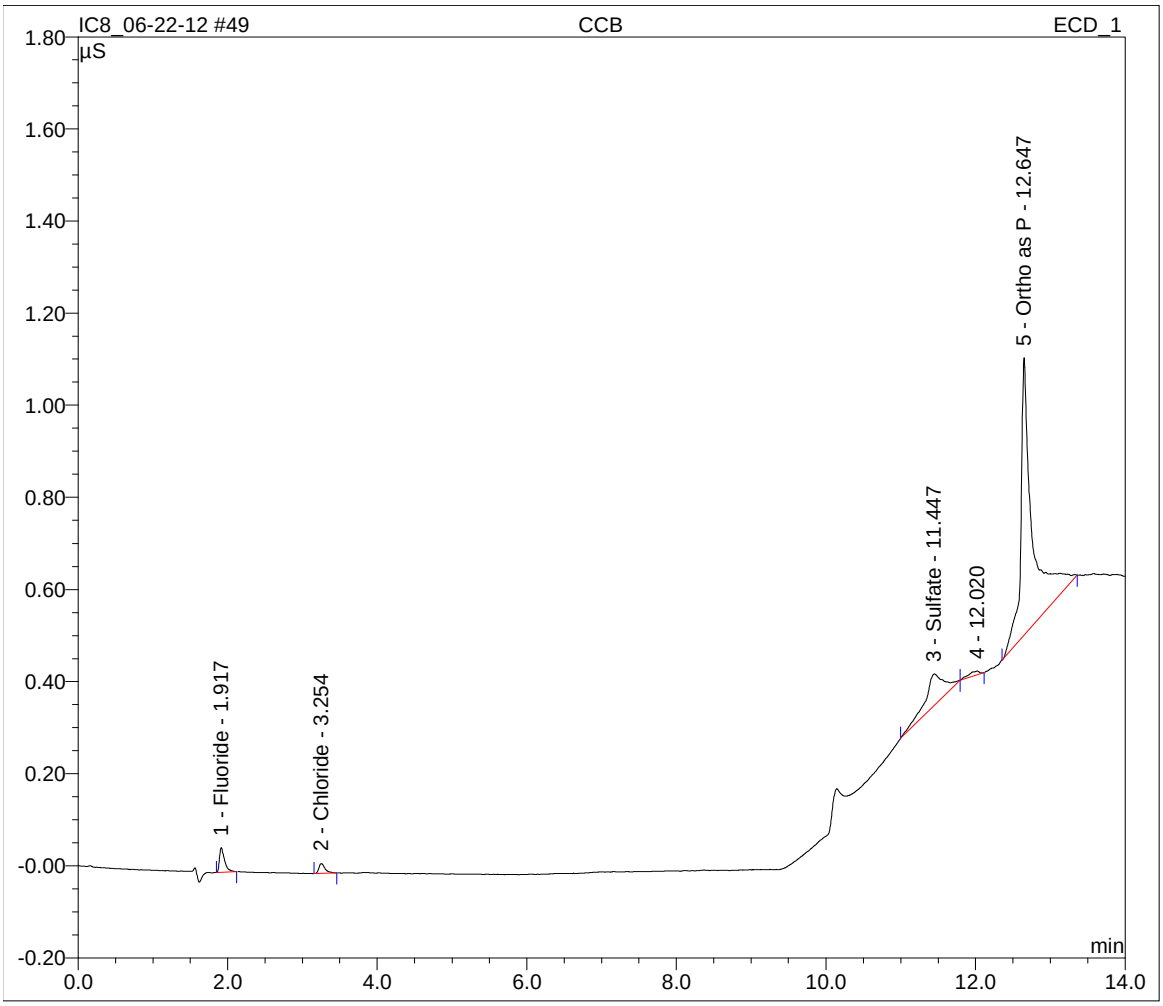
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 20:19**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.200	13.815	5.1311
2	3.25	Chloride	BMB	3.448	36.824	25.3298
3	3.79	Nitrite	BMB	1.797	14.669	4.9191
4	6.19	Bromide	BMB	0.289	2.091	5.0423
5	6.79	Nitrate	BMB	1.745	9.361	5.0835
6	11.33	Sulfate	BMb	2.823	28.311	26.2007
8	12.60	Ortho as P	BMB	1.088	11.978	5.1367
		TOTAL:		12.39	117.05	76.84



Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 20:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.004	0.054	-0.0046
2	3.25	Chloride	BMB	0.002	0.021	0.0802
3	11.45	Sulfate	BMB	0.020	0.069	-0.1079
5	12.65	Ortho as P	BMB	0.109	0.602	-0.0462
TOTAL:				0.14	0.75	-0.08



Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/22/2012 8:47:42 AM by WETCHEMD
#Samples: 50 Last Update: 6/25/2012 7:09:09 PM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time	Weight
1	RT CHECK	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:14:11 PM	1.0000
2	cal1	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:31:00 PM	1.0000
3	cal2	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:47:48 PM	1.0000
4	cal3	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:04:36 PM	1.0000
5	cal4	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:21:25 PM	1.0000
6	cal5	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:38:13 PM	1.0000
7	cal6	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:55:01 PM	1.0000
8	BLK	Unknown	6	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:11:49 PM	1.0000
9	ICV STD#00816	Unknown	201	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:28:37 PM	1.0000
10	ICB	Unknown	186	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:45:26 PM	1.0000
11	ICV STD#00821	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:34:16 AM	1.0000
12	ICB	Unknown	187	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:55:13 AM	1.0000
13	MRL 0.05	Unknown	202	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 9:12:01 AM	1.0000
14	MRL 0.02	Unknown	203	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 9:28:49 AM	1.0000
15	LCS STD#00821	Unknown	194	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 9:45:38 AM	1.0000
16	LCSD	Unknown	193	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 10:02:26 AM	1.0000
17	MB	Unknown	143	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 10:33:42 AM	1.0000
18	280-30335-b-1	Unknown	139	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 11:55:02 AM	1.0000
19	280-30335-b-2	Unknown	175	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:11:50 PM	1.0000
20	DU 280-30335-b-2	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:28:39 PM	1.0000
21	MS 280-30335-b-2	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:45:27 PM	1.0000
22	MSD 280-30335-b-2	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 1:02:15 PM	1.0000
23	280-30335-b-3	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 1:19:03 PM	1.0000
24	280-30335-b-4	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 1:35:51 PM	1.0000
25	280-30335-b-5	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 1:52:39 PM	1.0000
26	280-30335-b-6	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 2:09:28 PM	1.0000
27	280-30328-a-1 5X	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 2:26:16 PM	1.0000
28	CCV	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 2:43:04 PM	1.0000
29	CCB	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 2:59:52 PM	1.0000
30	280-30328-a-2	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 3:16:41 PM	1.0000
31	280-30334-b-1	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 3:33:29 PM	1.0000
32	280-30334-b-2	Unknown	411	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 3:50:17 PM	1.0000
33	280-30334-b-3	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 4:07:06 PM	1.0000
34	280-30334-b-4	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 4:23:54 PM	1.0000
35	DU 280-30334-b-4	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 4:40:42 PM	1.0000
36	280-30338-a-4 2X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 4:57:30 PM	1.0000
37	280-30338-a-33	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 5:14:19 PM	1.0000
38	280-30338-a-38	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 5:31:06 PM	1.0000
39	280-30328-a-1 100X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 5:47:55 PM	1.0000
40	CCV	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 6:04:43 PM	1.0000
41	CCB	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 6:21:31 PM	1.0000
42	280-30361-a-1	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 6:38:19 PM	1.0000
43	280-30334-b-1 5x	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 6:55:08 PM	1.0000
44	280-30334-b-2 5x	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 7:11:56 PM	1.0000

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/22/2012 8:47:42 AM by WETCHEMD
#Samples: 50 Last Update: 6/25/2012 7:09:09 PM by WETCHEMD

No.	Name	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	RT CHECK	1.0000	1.0000	100		EMK
2	cal1	1.0000	1.0000	101		EMK
3	cal2	1.0000	1.0000	102		EMK
4	cal3	1.0000	1.0000	103		EMK
5	cal4	1.0000	1.0000	104		EMK
6	cal5	1.0000	1.0000	105		EMK
7	cal6	1.0000	1.0000	106		EMK
8	BLK	1.0000	1.0000	107		EMK
9	ICV STD#00816	1.0000	1.0000	108		EMK
10	ICB	1.0000	1.0000	109		EMK
11	ICV STD#00821	1.0000	1.0000	110		EMK
12	ICB	1.0000	1.0000	111		EMK
13	MRL 0.05	1.0000	1.0000	112		EMK
14	MRL 0.02	1.0000	1.0000	113		EMK
15	LCS STD#00821	1.0000	1.0000	114		EMK
16	LCSD	1.0000	1.0000	115		EMK
17	MB	1.0000	1.0000	116		EMK
18	280-30335-b-1	1.0000	1.0000	117		EMK
19	280-30335-b-2	1.0000	1.0000	118		EMK
20	DU 280-30335-b-2	1.0000	1.0000	119		EMK
21	MS 280-30335-b-2	1.0000	1.0000	120		EMK
22	MSD 280-30335-b-2	1.0000	1.0000	121		EMK
23	280-30335-b-3	1.0000	1.0000	122		EMK
24	280-30335-b-4	1.0000	1.0000	123		EMK
25	280-30335-b-5	1.0000	1.0000	124		EMK
26	280-30335-b-6	1.0000	1.0000	125		EMK
27	280-30328-a-1 5X	5.0000	1.0000	126		EMK
28	CCV	1.0000	1.0000	127		EMK
29	CCB	1.0000	1.0000	128		EMK
30	280-30328-a-2	1.0000	1.0000	129		EMK
31	280-30334-b-1	1.0000	1.0000	130		EMK
32	280-30334-b-2	1.0000	1.0000	131		EMK
33	280-30334-b-3	1.0000	1.0000	132		EMK
34	280-30334-b-4	1.0000	1.0000	133		EMK
35	DU 280-30334-b-4	1.0000	1.0000	134		EMK
36	280-30338-a-4 2X	2.0000	1.0000	135		EMK
37	280-30338-a-33	1.0000	1.0000	136		EMK
38	280-30338-a-38	1.0000	1.0000	137		EMK
39	280-30328-a-1 100X	100.0000	1.0000	138		EMK
40	CCV	1.0000	1.0000	139		EMK
41	CCB	1.0000	1.0000	140		EMK
42	280-30361-a-1	1.0000	1.0000	141		EMK
43	280-30334-b-1 5x	5.0000	1.0000	142		EMK
44	280-30334-b-2 5x	5.0000	1.0000	143		EMK

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/22/2012 8:47:42 AM by WETCHEMD
#Samples: 50 Last Update: 6/25/2012 7:09:09 PM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time	Weight
45	280-30338-a-4 50x	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 7:28:44 PM	1.0000
46	280-30338-a-33 10x	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 7:45:33 PM	1.0000
47	280-30338-a-38 5x	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:02:21 PM	1.0000
48	CCV	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:19:09 PM	1.0000
49	CCB	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:35:57 PM	1.0000
50	END	Unknown	421	10.0	stop	7 ANION AS11	Finished	6/22/2012 8:52:46 PM	1.0000

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/22/2012 8:47:42 AM by WETCHEMD
#Samples: 50 Last Update: 6/25/2012 7:09:09 PM by WETCHEMD

No.	Name	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
45	280-30338-a-4 50x	50.0000	1.0000	144		EMK
46	280-30338-a-33 10x	10.0000	1.0000	145		EMK
47	280-30338-a-38 5x	5.0000	1.0000	146		EMK
48	CCV	1.0000	1.0000	147		EMK
49	CCB	1.0000	1.0000	148		EMK
50	END	1.0000	1.0000	149		EMK

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

	Pressure.LowerLimit =	200 [psi]
	Pressure.UpperLimit =	3000 [psi]
	%A.Equate =	"DI H2O"
	CR_TC =	On
	Pump_InjectValve.State	LoadPosition
	Data_Collection_Rate =	5.0 [Hz]
	CellTemperature.Nominal =	35.0 [°C]
	ColumnTemperature.Nominal =	30.0 [°C]
	Suppressor_Type =	ASRS_4mm
	; Pump_ECD.Hydroxide =	50.0
	; Pump_ECD.Recommended Current =	124
	; Pump_ECD.Carbonate =	0.0
	; Pump_ECD.Bicarbonate =	0.0
	; Pump_ECD.Tetraborate =	0.0
	; Pump_ECD.Other eluent =	0.0
	Suppressor_Current =	125 [mA]
	Flow =	1.00 [ml/min]
-2.700	Pump_ECD_Relay_1.Open	Duration=0.01
	Concentration =	10.00 [mM]
	Curve =	5
-2.500	Pump_ECD_Relay_1.Closed	Duration=0.01
0.000	Autozero	
	ECD_1.AcqOn	
	Pump_InjectValve.InjectPosition	Duration=720.00
7.500	Concentration =	10.00 [mM]
	Curve =	5
10.500	Concentration =	40.00 [mM]
	Curve =	5
10.600	Concentration =	50.00 [mM]
	Curve =	5
12.500	Concentration =	50.00 [mM]
	Curve =	5
12.600	Concentration =	10.00 [mM]
	Curve =	5
13.000	Concentration =	10.00 [mM]

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Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Curve =                          5

14.000     ECD_1.AcqOff
           End
```

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ
Timebase: ICS-8
Created: 3/20/2008 10:44:59 AM by kudlae
Changed: 3/31/2008 10:13:48 AM by kudlae

No.	Channel	Operation	Parameters

Title: Stop
Datasource: D3YCYMF1_local Created: 3/11/2008 4:10:47 PM by Test America Labs
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ
Timebase: ICS-8 Changed: 3/11/2008 4:10:47 PM by Test America Labs

```
           ColumnTemperature =                Off
           CellTemperature.Nominal =          Off
; Pump_ECD.Hydroxide =                        50.0
; Pump_ECD.Recommended Current =              124
; Pump_ECD.Carbonate =                        0.0
; Pump_ECD.Bicarbonate =                      0.0
; Pump_ECD.Tetraborate =                      0.0
; Pump_ECD.Other eluent =                     0.0
           Pressure.LowerLimit =              200
           Pressure.UpperLimit =              3000
           %A.Equate =                        "DI H2O"
           CR_TC =                            Off
           ;LoadPosition
           Data_Collection_Rate =             5.0
           Suppressor_Type =                  ASRS_4mm
           Suppressor_Current =               124
           Suppressor_Mode =                  Off
           ECD_Total.Step =                   0.50
           ECD_Total.Average =                Off
           Channel_Pressure.Step =            0.50
           Channel_Pressure.Average =         Off

           Pump_ECD_Relay_1.Open
           Concentration =                    10.00
           Curve =                            5

           Pump_ECD_Relay_1.State             Open
           Mode =                             Off
           Flow =                             1.00

 0.000     off

           End
```

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Title: Stop
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ
Timebase: ICS-8
Created: 3/11/2008 4:10:47 PM by Test America Labs
Changed: 3/11/2008 4:10:47 PM by Test America Labs

No.	Channel	Operation	Parameters

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Blank Run Subtraction: No Blank Run Subtraction

Detection Table:

No.	Ret. Time [min]	Param. Name	Param. Value	Channel
1	0.000	Minimum Area	0.5E-3 "[Signal]*min"	All Channels
2	0.000	Sensitivity	0.8E-3 "[Signal]"	All Channels
3	0.000	Inhibit Integration	On	All Channels
4	0.000	Valley to Valley	On	All Channels
5	0.000	Fronting Sensitivity Factor	5.0	All Channels
6	0.000	Tailing Sensitivity Factor	6.0	All Channels
7	1.500	Void Volume Treatment	On	All Channels
8	1.500	Inhibit Integration	Off	All Channels
9	1.800	Void Volume Treatment	Off	All Channels
10	2.000	Maximum Width	0.75 min	All Channels
11	8.200	Inhibit Integration	On	All Channels
12	11.000	Inhibit Integration	Off	All Channels

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Group	Comment	Amount BLK	Amount cal1
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*		*Autogenerated*	*0.000000*	*0.200000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Amount cal2	Amount cal3	Amount cal4	Amount cal5	Amount cal6
1	*Fluoride*	*1.900 min*	*0.500000*	*1.000000*	*4.000000*	*8.000000*	*10.000000*
2	Acetate	2.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
3	Chloride	3.300 min	2.500000	5.000000	20.000000	40.000000	50.000000
4	Nitrite	3.800 min	0.500000	1.000000	4.000000	8.000000	10.000000
5	Bromide	6.300 min	0.500000	1.000000	4.000000	8.000000	10.000000
6	Nitrate	7.000 min	0.500000	1.000000	4.000000	8.000000	10.000000
7	Sulfate	11.400 min	2.500000	5.000000	20.000000	40.000000	50.000000
8	Ortho as P	12.600 min	0.500000	1.000000	4.000000	8.000000	10.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Left Limit	Right Limit	Group	Resp.Fact.
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*	*0.000*	*0.000*		*1.000000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Comment
1	*Fluoride*	*1.900 min*	*Autogenerated*
2	Acetate	2.700 min	Autogenerated
3	Chloride	3.300 min	Autogenerated
4	Nitrite	3.800 min	Autogenerated
5	Bromide	6.300 min	Autogenerated
6	Nitrate	7.000 min	Autogenerated
7	Sulfate	11.400 min	Autogenerated
8	Ortho as P	12.600 min	Autogenerated

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Smp.No.	Pos.	Inj. Vol.	Weight	ISTD Amount	Dil. Factor	Inj. Date/Time	Sample Comment
1	☒	cal1	2	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:31:	EMK
2	☒	cal2	3	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:47:	EMK
3	☒	cal3	4	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:04:	EMK
4	☒	cal4	5	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:21:	EMK
5	☒	cal5	6	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:38:	EMK
6	☒	cal6	7	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:55:	EMK

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Calib.	Comment
1	☒	cal1	Ok	
2	☒	cal2	Ok	
3	☒	cal3	Ok	
4	☒	cal4	Ok	
5	☒	cal5	Ok	
6	☒	cal6	Ok	

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Sample Condition	Test Condition	Aggregate	Operator	Value	Channel	Peak	N.A.
1									

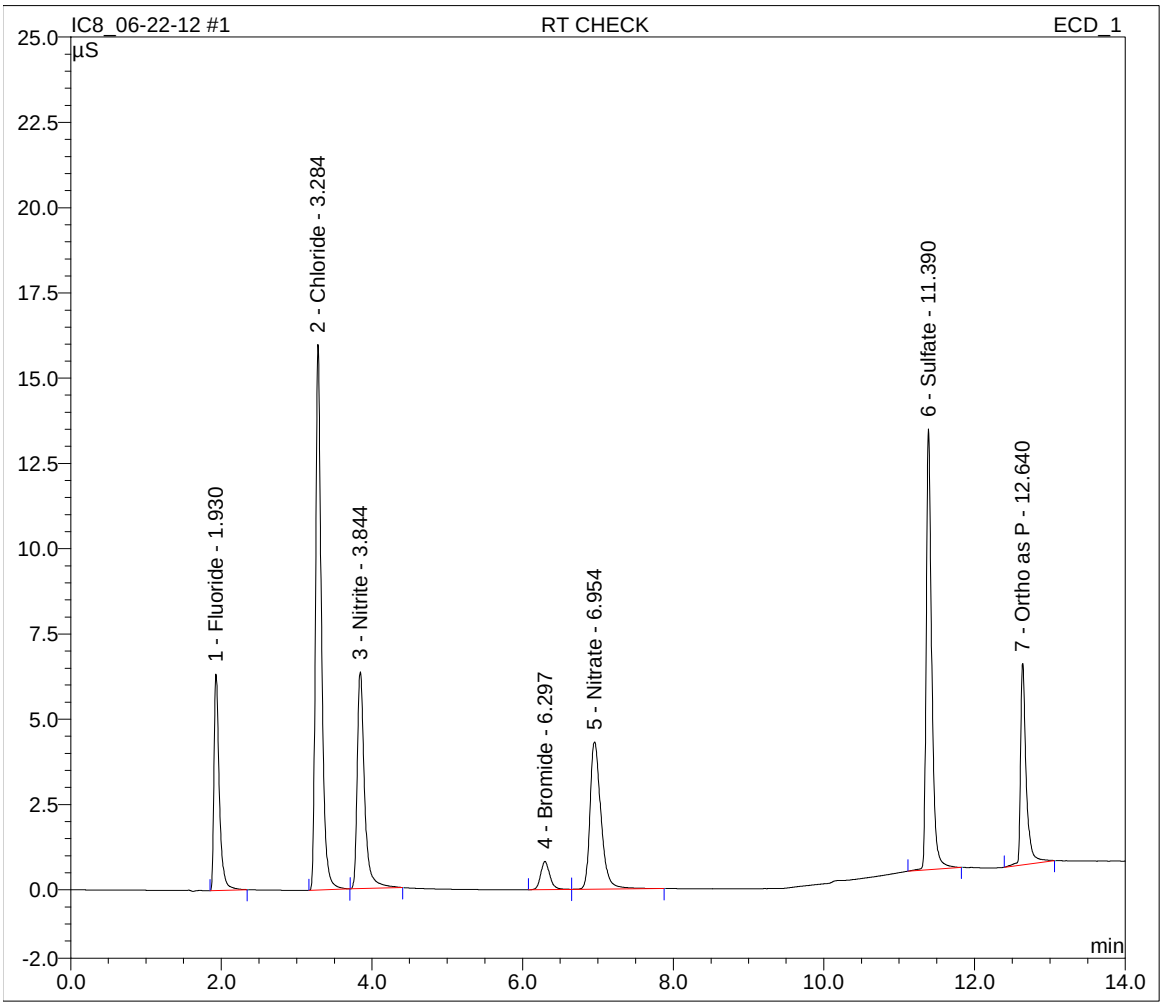
Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Fail-Action	Result	SST Message	Rounding
1					

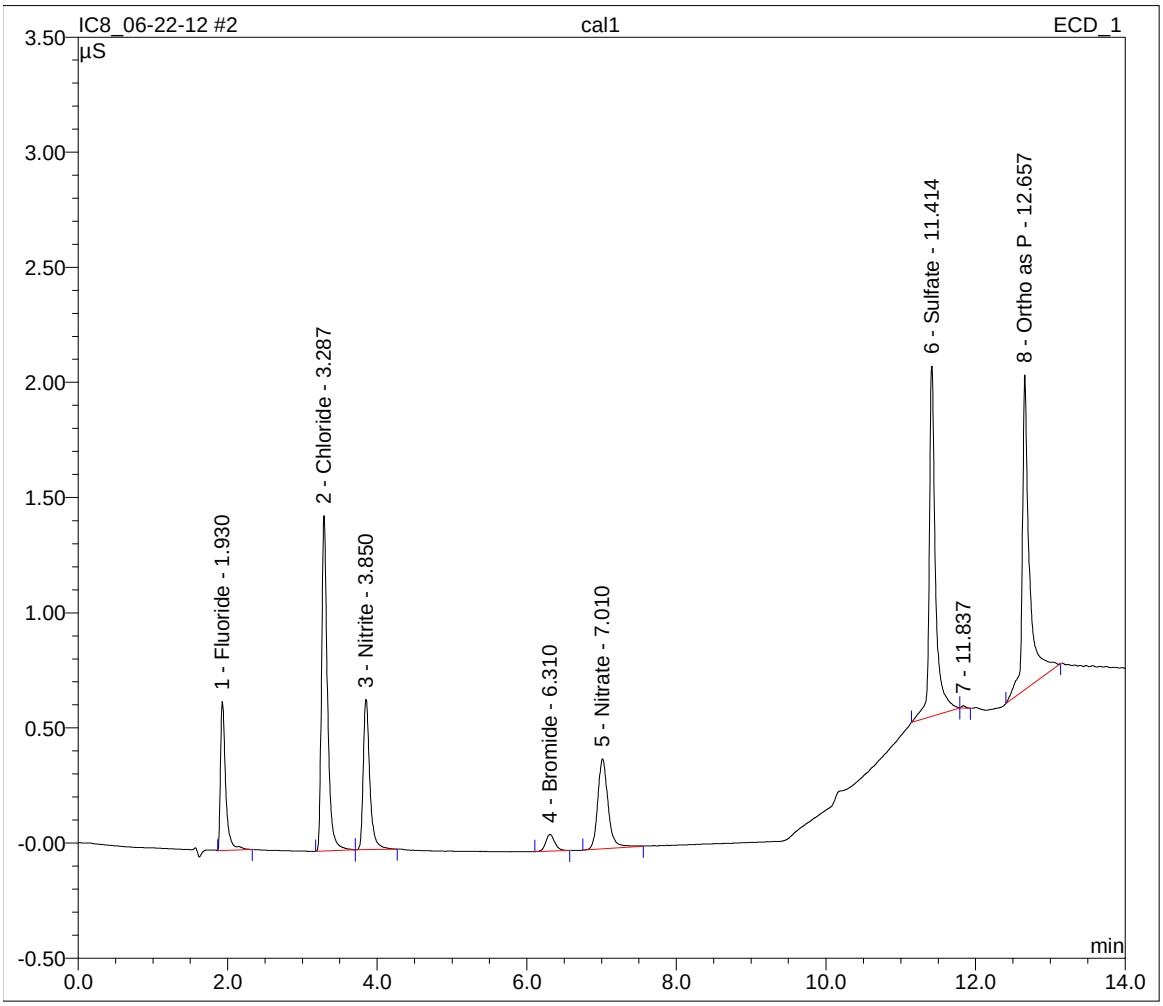
Sample Name:	**RT CHECK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.351	2.1852
2	3.28	Chloride	BMB	1.472	15.998	10.8467
3	3.84	Nitrite	BMB	0.714	6.365	1.9734
4	6.30	Bromide	BMB	0.115	0.825	2.0316
5	6.95	Nitrate	bMB	0.726	4.315	2.1359
6	11.39	Sulfate	BMB	1.098	12.924	10.0120
7	12.64	Ortho as P	BMB	0.504	5.904	2.0466
TOTAL:				5.14	52.68	31.23



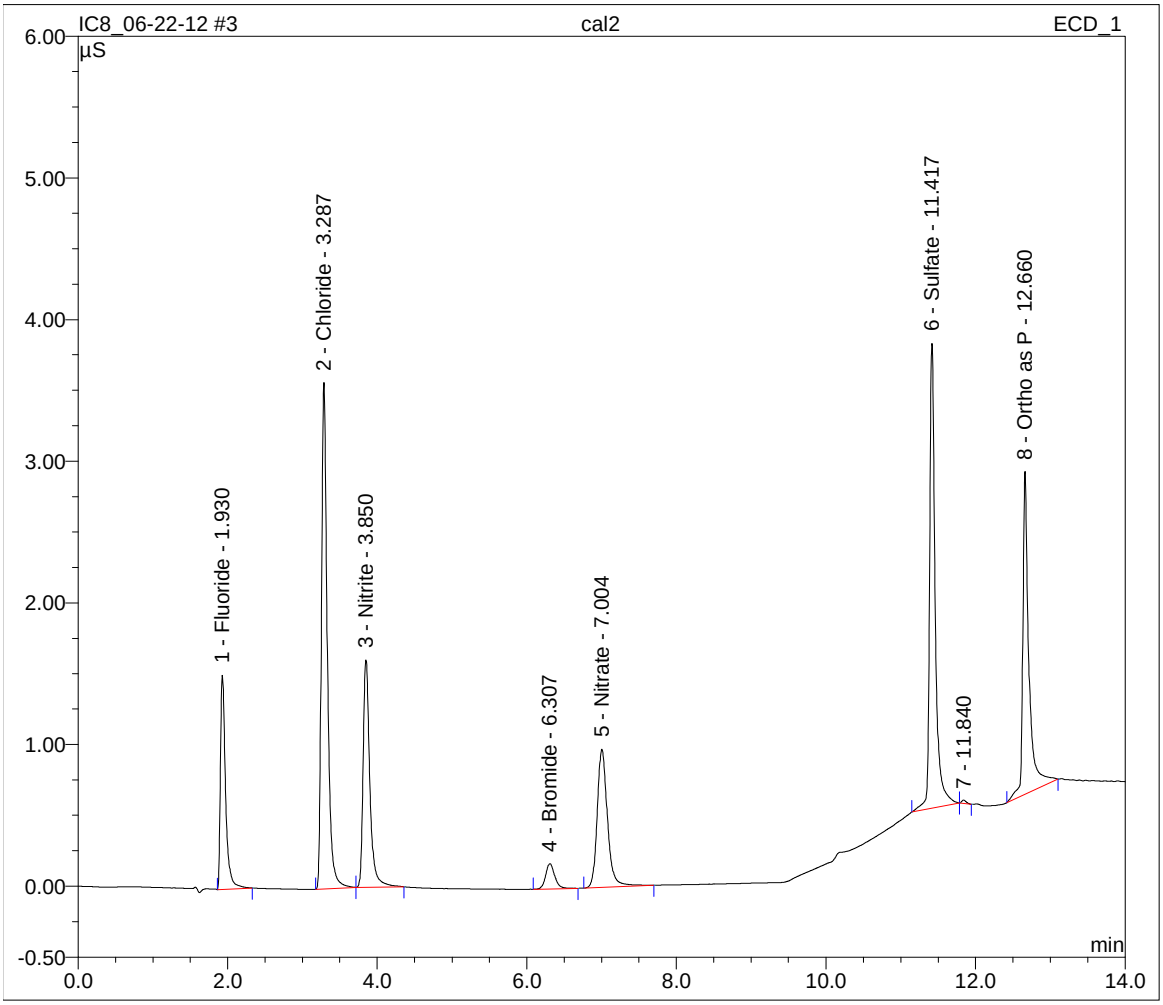
Sample Name:	**cal1**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:31**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.051	0.646	0.1970
2	3.29	Chloride	BMb	0.133	1.457	1.0400
3	3.85	Nitrite	bMB	0.066	0.652	0.2124
4	6.31	Bromide	BMB	0.010	0.073	0.2222
5	7.01	Nitrate	BMB	0.062	0.391	0.2154
6	11.41	Sulfate	BMb	0.146	1.521	1.0815
8	12.66	Ortho as P	BMB	0.151	1.367	0.1743
		TOTAL:		0.62	6.11	3.14



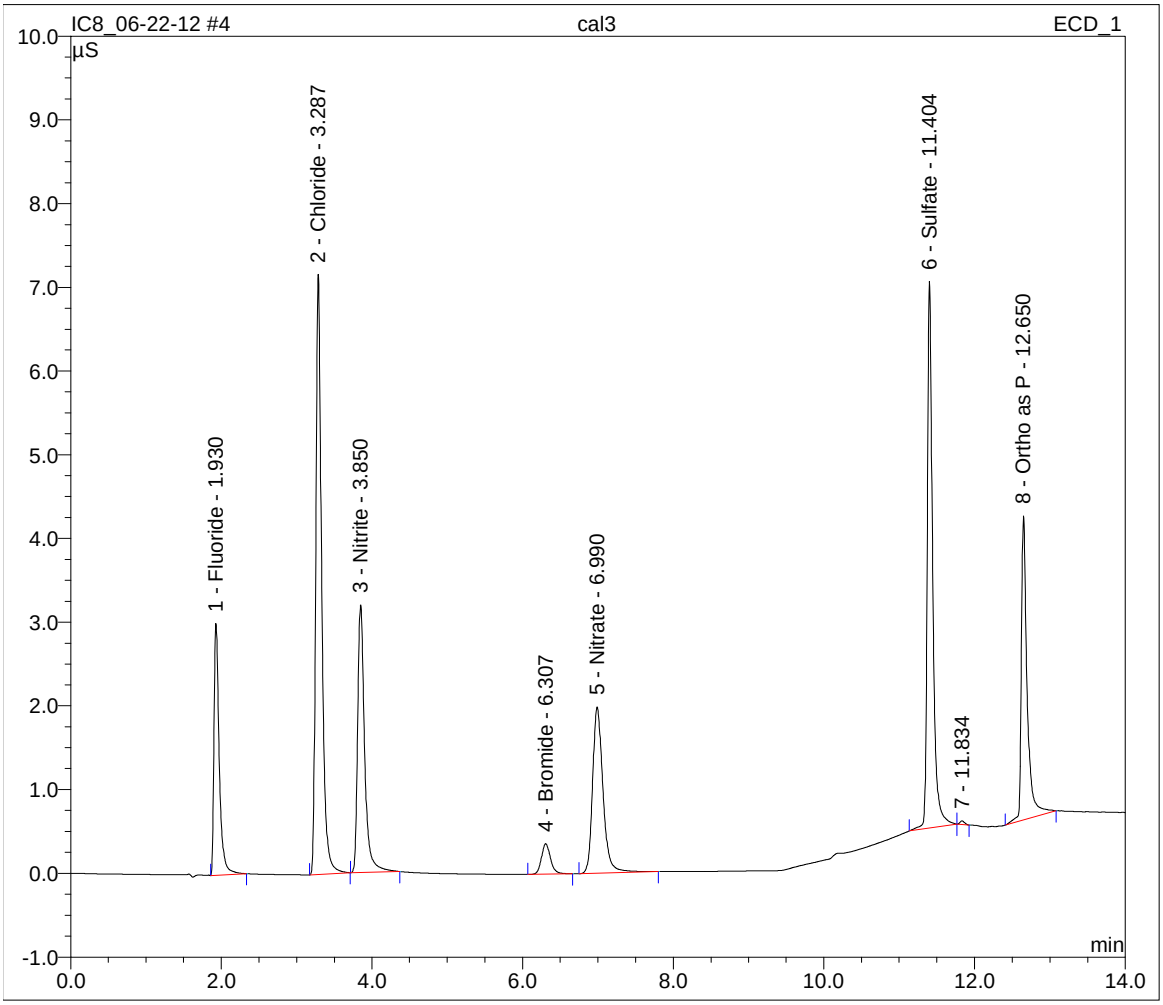
Sample Name:	**cal2**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.120	1.512	0.4922
2	3.29	Chloride	BMB	0.327	3.574	2.4601
3	3.85	Nitrite	BMB	0.167	1.604	0.4861
4	6.31	Bromide	BMB	0.025	0.178	0.4845
5	7.00	Nitrate	BMB	0.155	0.975	0.4831
6	11.42	Sulfate	BMb	0.284	3.282	2.3745
8	12.66	Ortho as P	BMB	0.216	2.278	0.5210
		TOTAL:		1.29	13.40	7.30



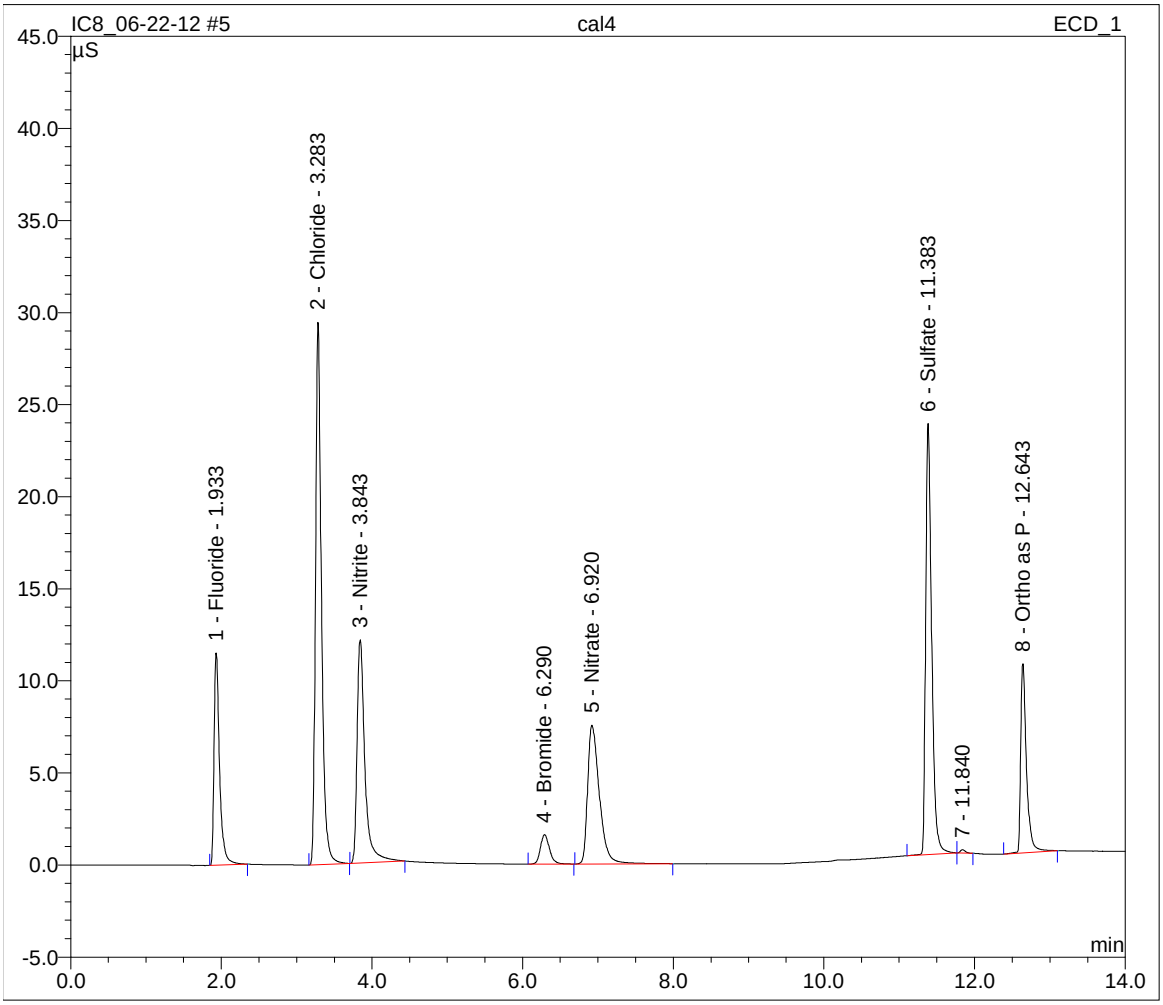
Sample Name:	**cal3**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.241	3.009	1.0119
2	3.29	Chloride	BMB	0.657	7.169	4.8803
3	3.85	Nitrite	BMB	0.341	3.199	0.9611
4	6.31	Bromide	BMB	0.051	0.365	0.9278
5	6.99	Nitrate	BMB	0.319	1.985	0.9575
6	11.40	Sulfate	BMb	0.545	6.532	4.8185
8	12.65	Ortho as P	BMB	0.320	3.633	1.0722
		TOTAL:		2.47	25.89	14.63



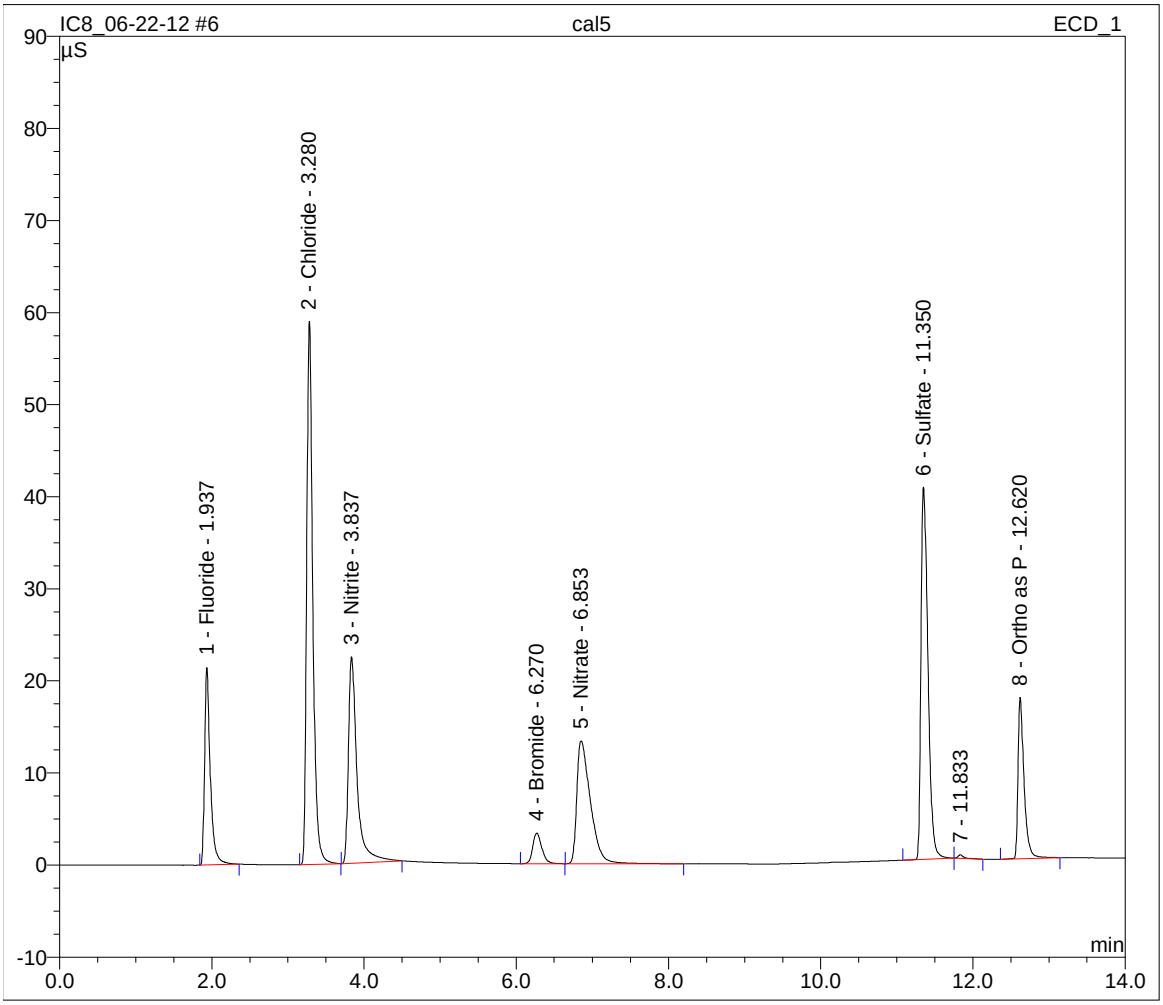
Sample Name:	**cal4**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.966	11.542	4.1247
2	3.28	Chloride	BMB	2.709	29.464	19.9102
3	3.84	Nitrite	BMB	1.456	12.120	3.9932
4	6.29	Bromide	BMB	0.223	1.604	3.8991
5	6.92	Nitrate	BMB	1.357	7.526	3.9629
6	11.38	Sulfate	BMb	2.162	23.410	20.0013
8	12.64	Ortho as P	BMB	0.901	10.280	4.1462
TOTAL:				9.77	95.95	60.04



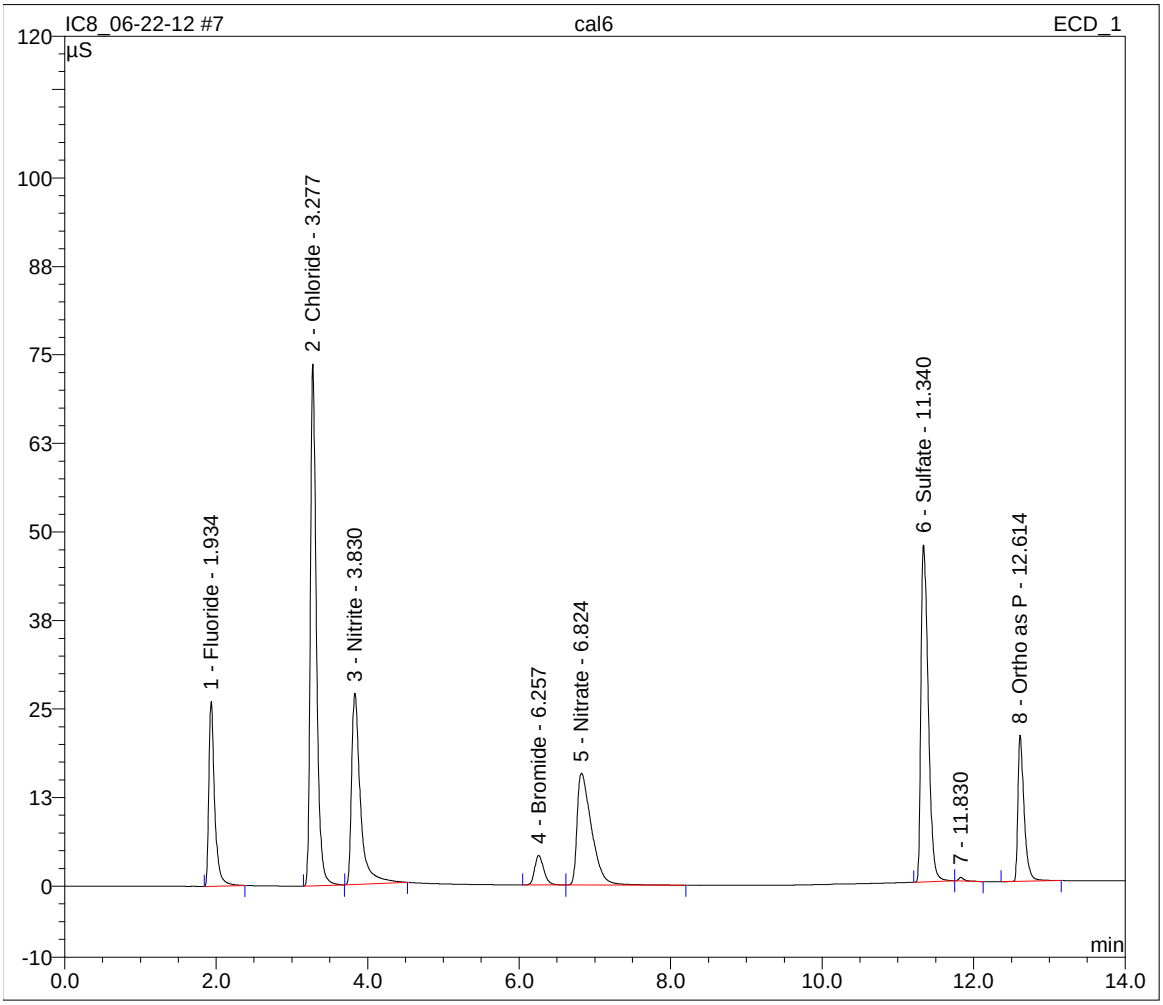
Sample Name:	**cal5**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	1.868	21.466	8.0002
2	3.28	Chloride	BMB	5.457	59.008	40.0443
3	3.84	Nitrite	BMB	2.954	22.426	8.0660
4	6.27	Bromide	BMB	0.462	3.324	8.0345
5	6.85	Nitrate	BMB	2.759	13.322	8.0199
6	11.35	Sulfate	BMb	4.302	40.425	40.0890
8	12.62	Ortho as P	BMB	1.622	17.507	7.9642
		TOTAL:		19.42	177.48	120.22



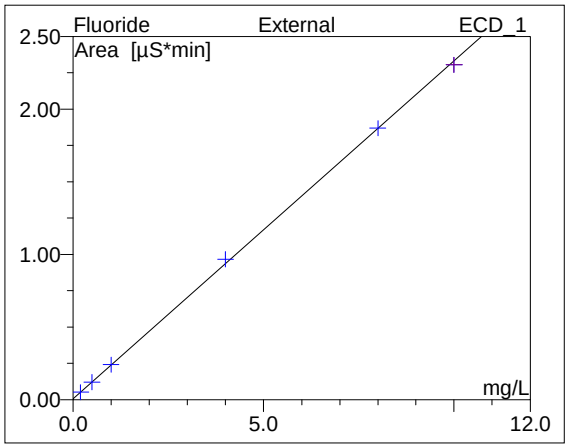
Sample Name:	**cal6**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:55**	*Run Time:*	**14.00**

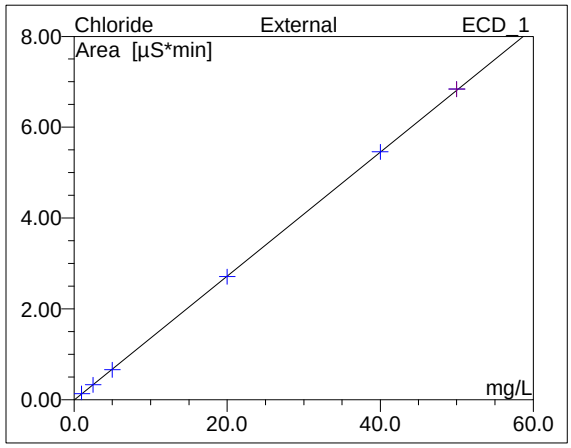
No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	2.304	26.065	9.8741
2	3.28	Chloride	BMB	6.838	73.679	50.1651
3	3.83	Nitrite	BMB	3.658	26.975	9.9812
4	6.26	Bromide	BMB	0.583	4.171	10.1319
5	6.82	Nitrate	BMB	3.465	15.767	10.0612
6	11.34	Sulfate	BMb	5.373	47.566	50.1352
8	12.61	Ortho as P	BMB	1.973	20.624	9.8221
		TOTAL:		24.19	214.85	150.17

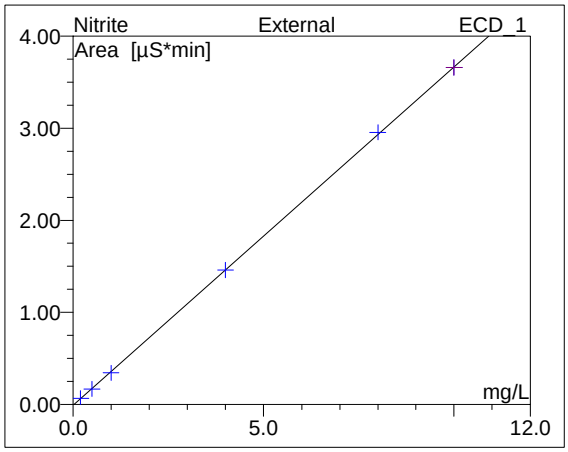


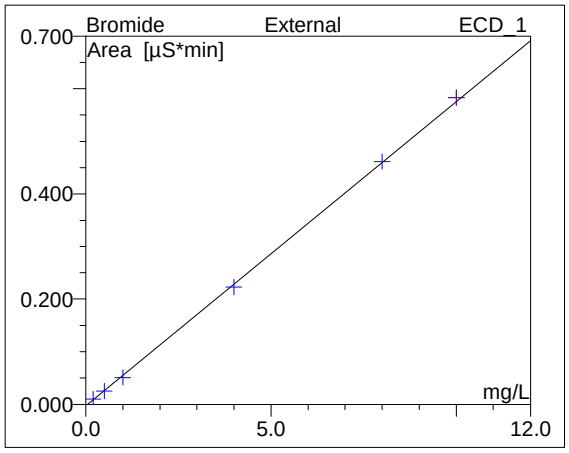
Calibration Batch Report

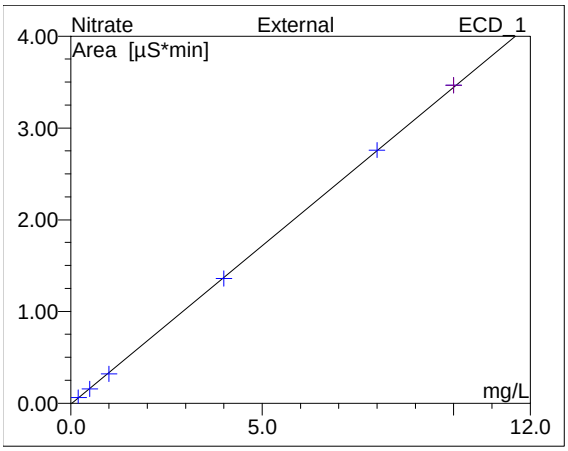
Sequence:	**IC8_06-22-12**	Inj. Vol.:	**10.0**
Program:	**7 Anion**	Operator:	**DENPC241**
Inj. Date/Time:	**06/18/12 14:55**	Run Time:	**14.00**

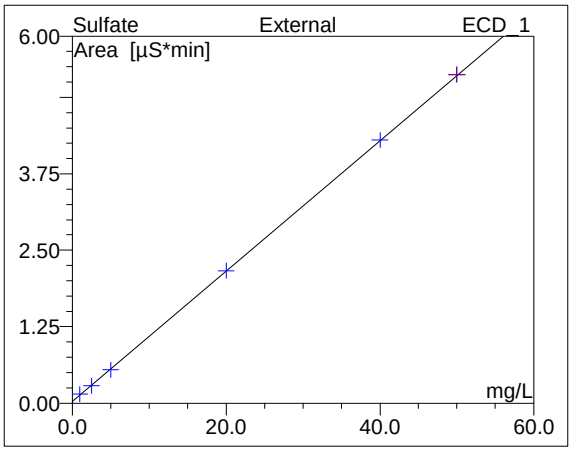




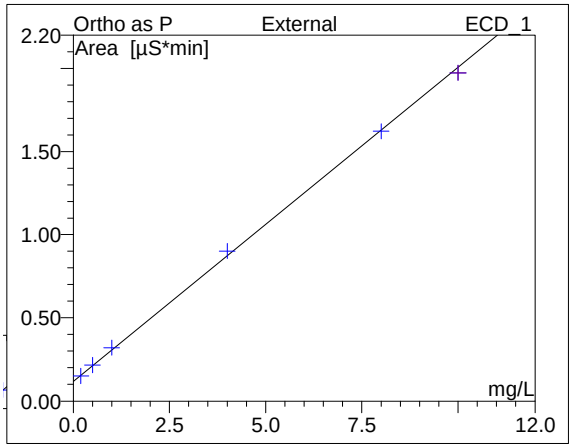








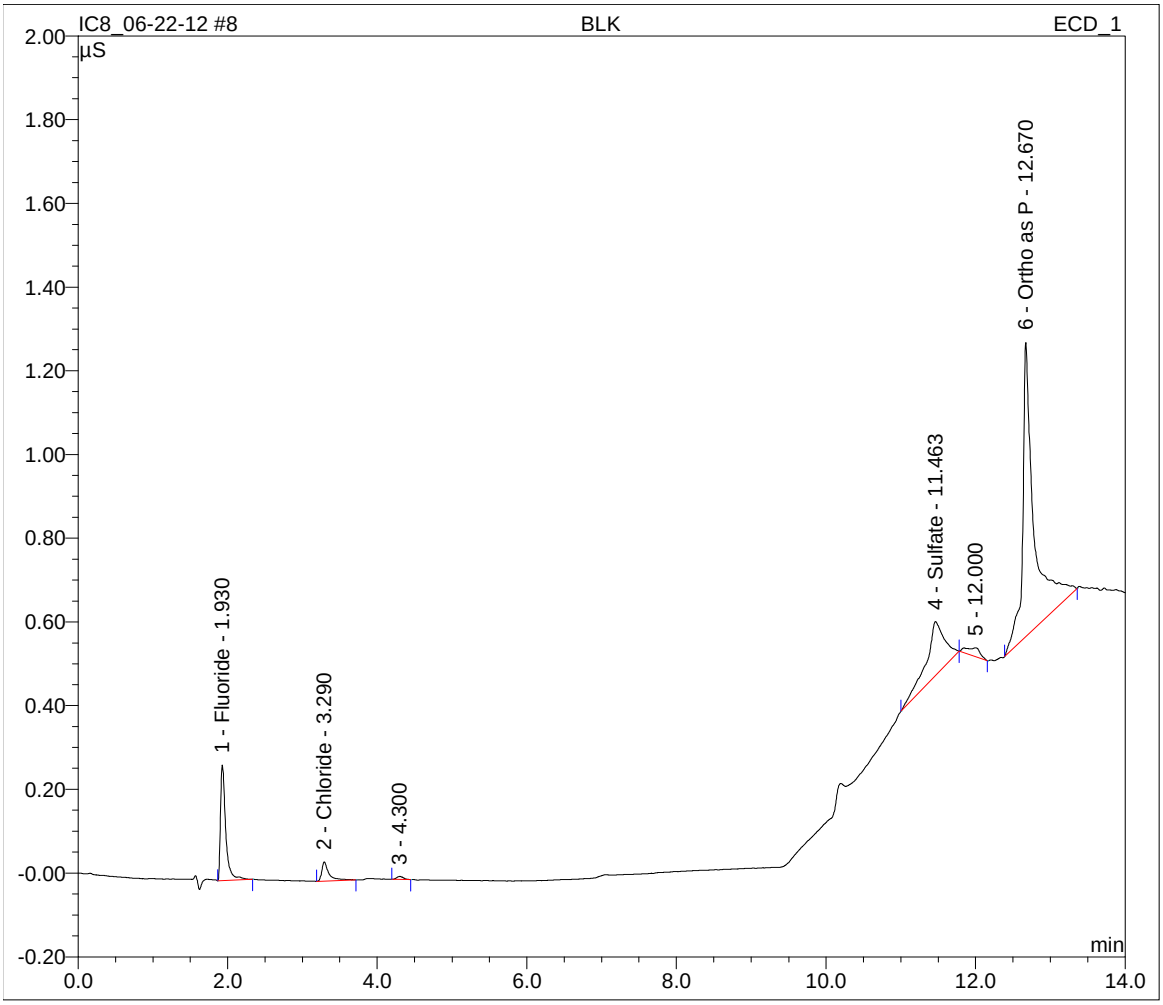
Program:	**7 Anion**	*Operator:*	**n.a.**
Ini. Date/Time:	**06/18/12 14:55**	*Run Time:*	**14.00**



No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
1	1.93	Fluoride	XLOff	6	0.005	0.233	0.000	99.985
2	3.28	Chloride	XLOff	6	-0.009	0.136	0.000	99.997
3	3.83	Nitrite	XLOff	6	-0.012	0.368	0.000	99.992
4	6.26	Bromide	XLOff	6	-0.003	0.058	0.000	99.968
5	6.82	Nitrate	XLOff	6	-0.012	0.346	0.000	99.989
6	11.34	Sulfate	XLOff	6	0.031	0.107	0.000	99.990
8	12.61	Ortho as P	XLOff	6	0.118	0.189	0.000	99.954
AVERAGE:					0.0169	0.2051	0.0000	99.9819

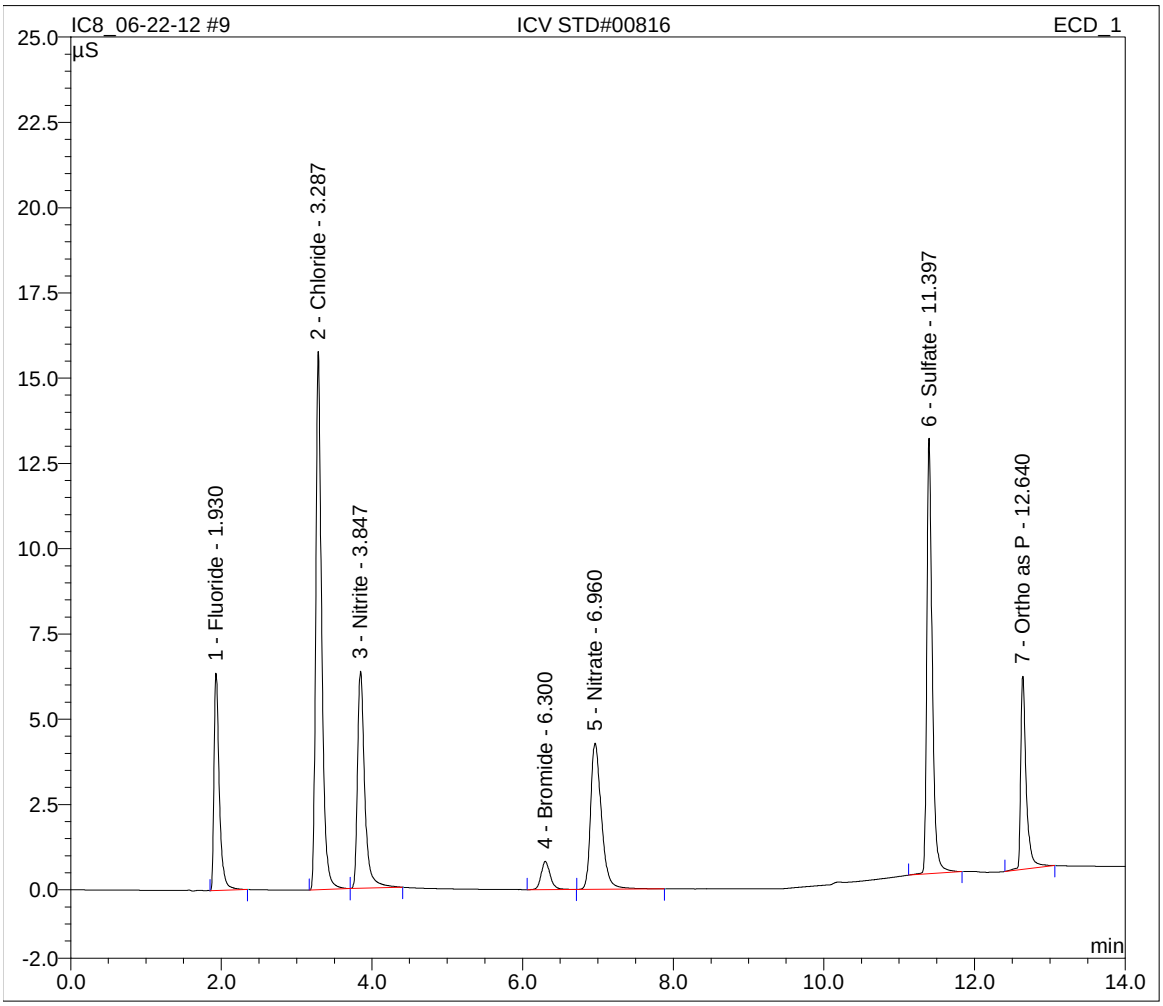
Sample Name:	**BLK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.022	0.276	0.0725
2	3.29	Chloride	BMB	0.005	0.046	0.1031
4	11.46	Sulfate	BMb	0.036	0.129	0.0502
6	12.67	Ortho as P	BMB	0.125	0.703	0.0382
		TOTAL:		0.19	1.15	0.26



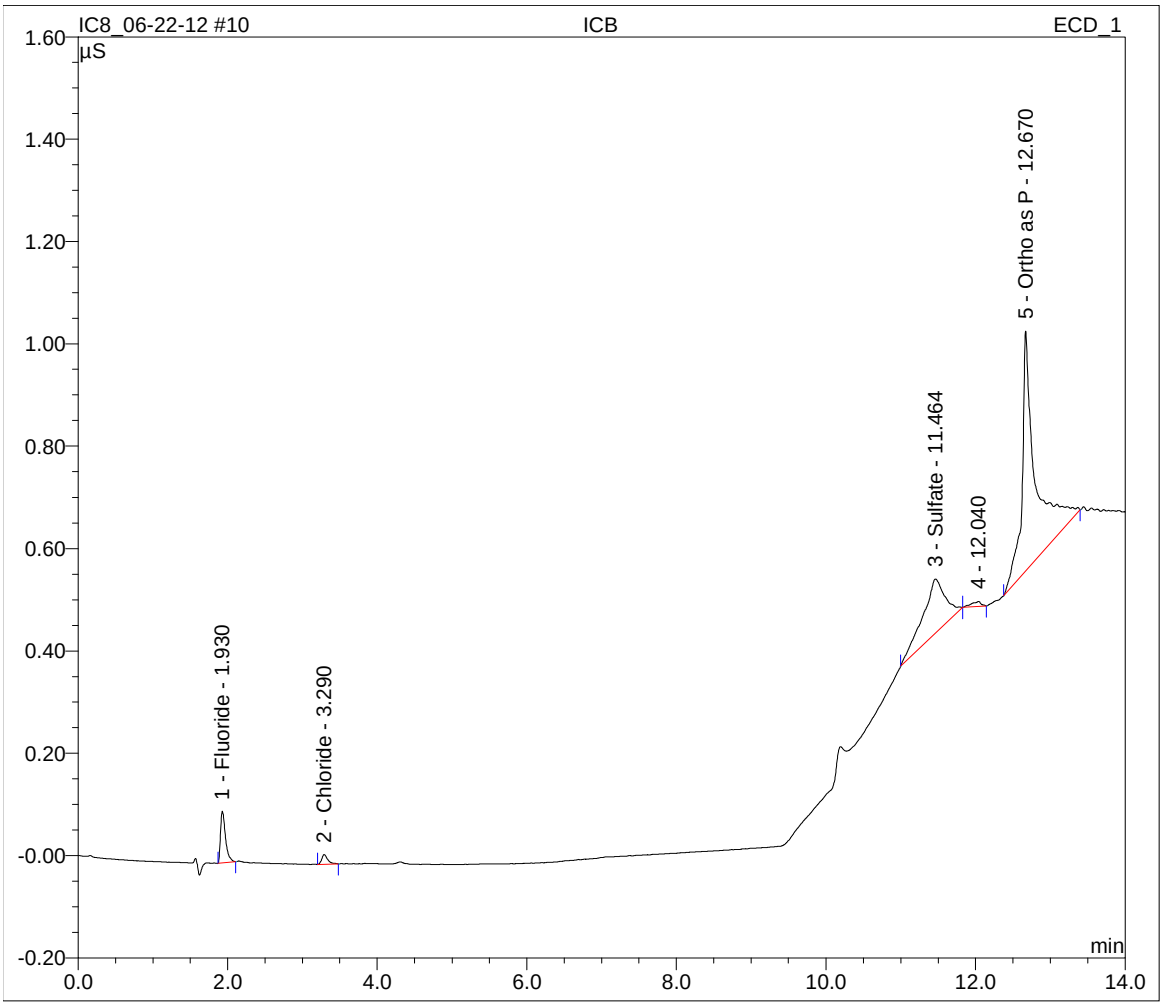
Sample Name:	**ICV STD#00816**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.382	2.1868
2	3.29	Chloride	BMB	1.448	15.777	10.6712
3	3.85	Nitrite	BMB	0.706	6.368	1.9529
4	6.30	Bromide	BMB	0.115	0.825	2.0290
5	6.96	Nitrate	BMB	0.713	4.281	2.0989
6	11.40	Sulfate	BMB	1.070	12.766	9.7526
7	12.64	Ortho as P	BMB	0.474	5.668	1.8875
TOTAL:				5.04	52.07	30.58



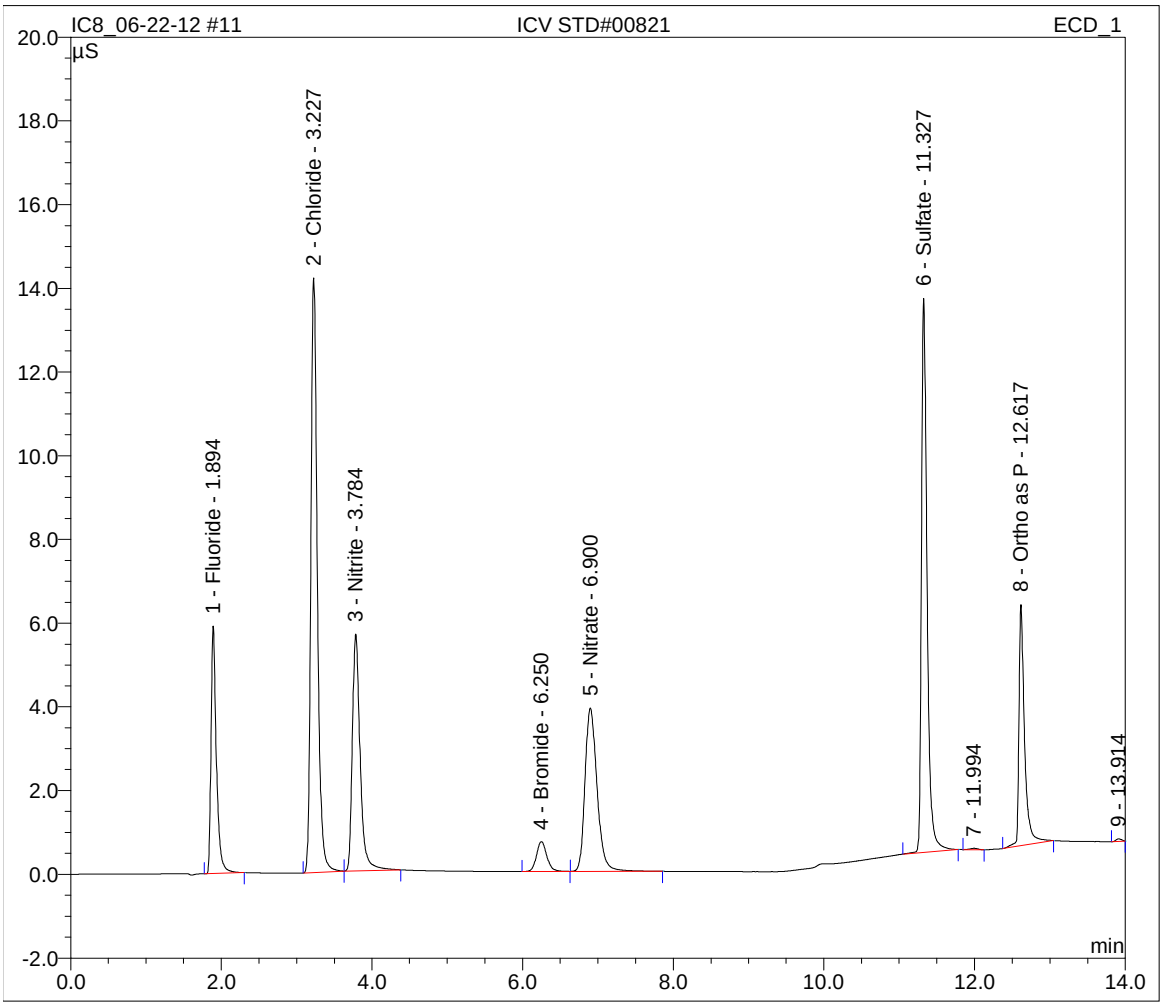
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.008	0.101	0.0103
2	3.29	Chloride	BMB	0.002	0.019	0.0781
3	11.46	Sulfate	BMb	0.037	0.106	0.0582
5	12.67	Ortho as P	BMB	0.100	0.469	-0.0954
		TOTAL:		0.15	0.69	0.05



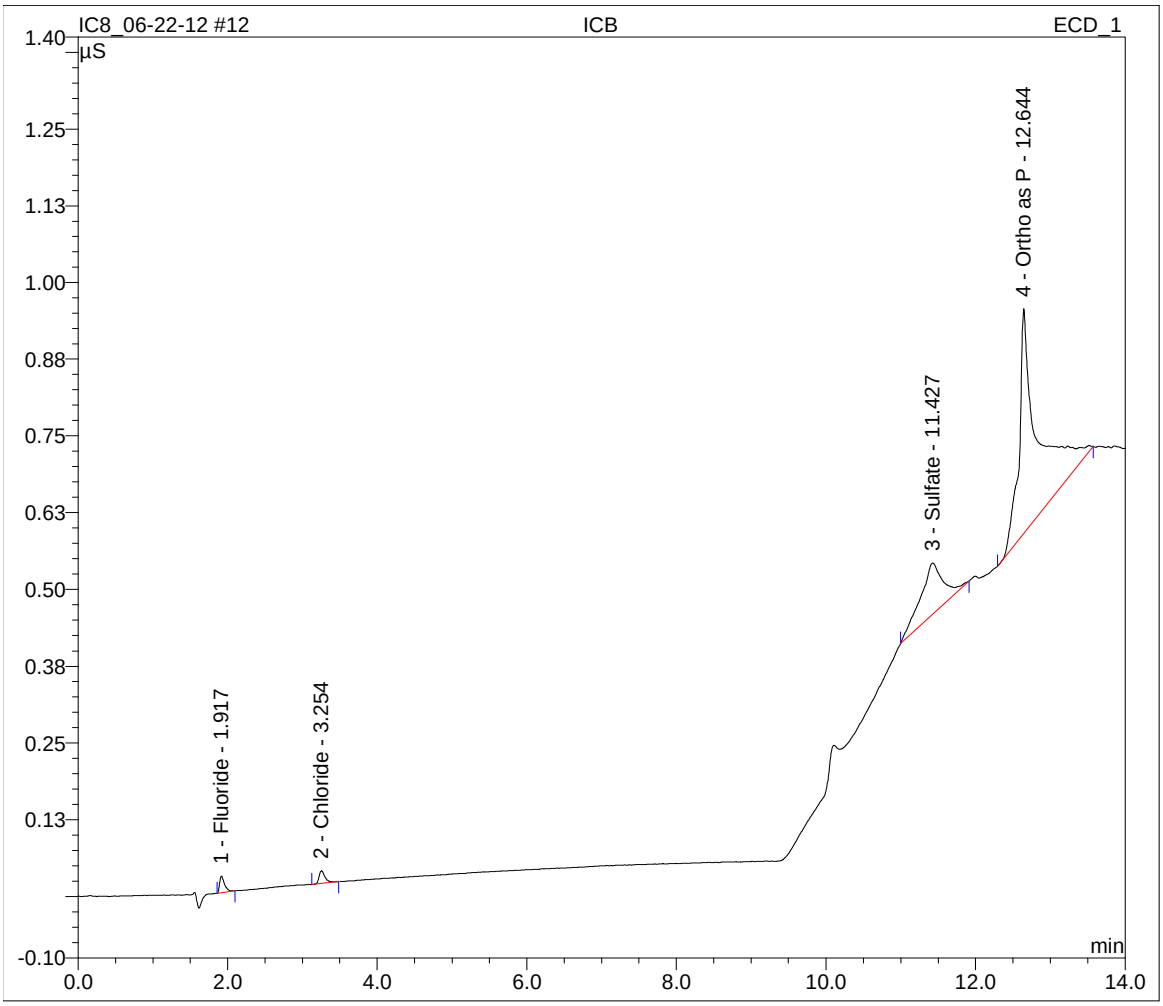
Sample Name:	**ICV STD#00821**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 08:34**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.488	5.918	2.0730
2	3.23	Chloride	BMb	1.405	14.210	10.3560
3	3.78	Nitrite	bMB	0.677	5.658	1.8735
4	6.25	Bromide	BMB	0.113	0.711	1.9948
5	6.90	Nitrate	BMB	0.723	3.898	2.1270
6	11.33	Sulfate	BMB	1.156	13.240	10.5580
8	12.62	Ortho as P	BMB	0.497	5.765	2.0098
		TOTAL:		5.06	49.40	30.99



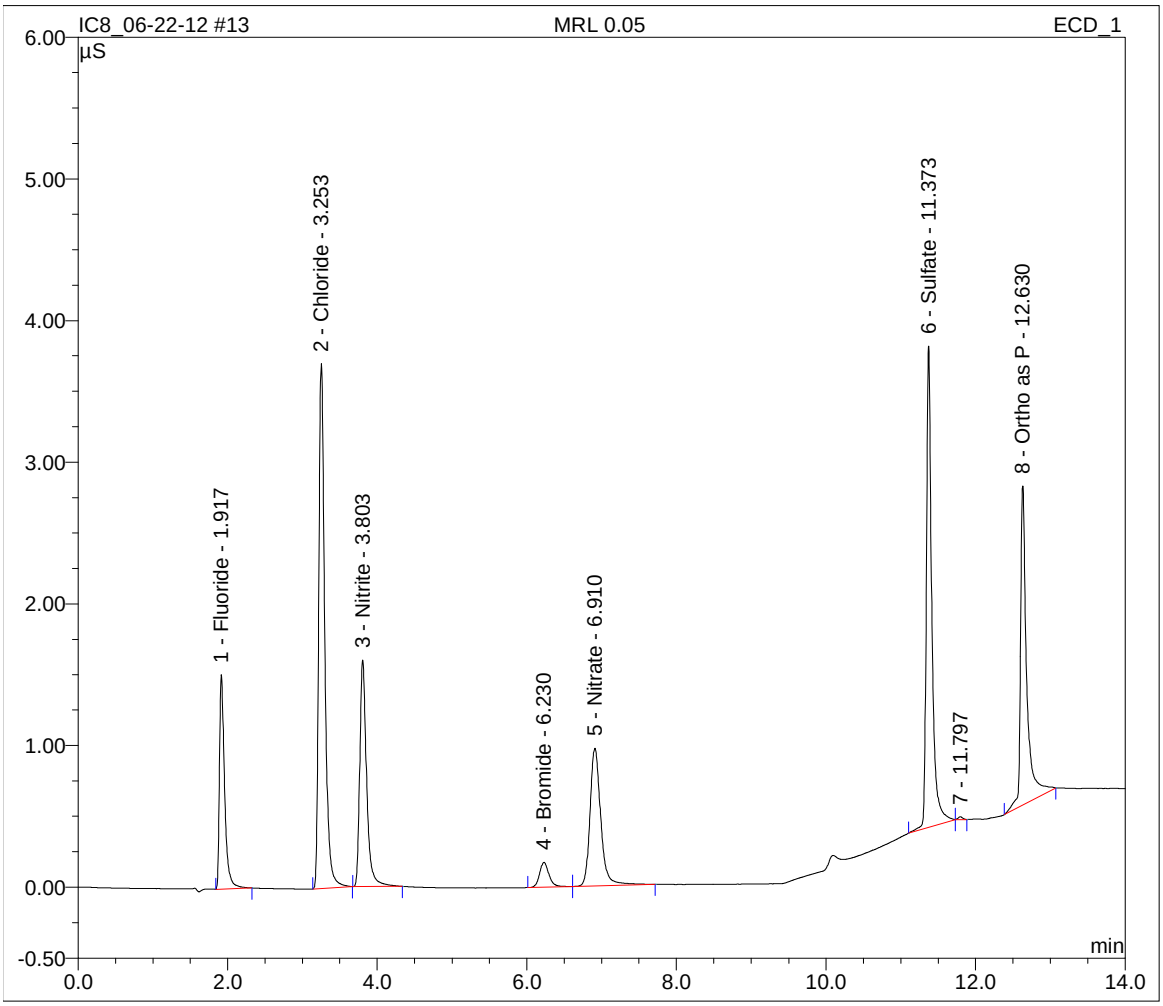
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 08:55**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.002	0.027	-0.0138
2	3.25	Chloride	BMB	0.002	0.021	0.0793
3	11.43	Sulfate	BMB	0.029	0.083	-0.0158
4	12.64	Ortho as P	BMB	0.107	0.366	-0.0583
TOTAL:				0.14	0.50	-0.01



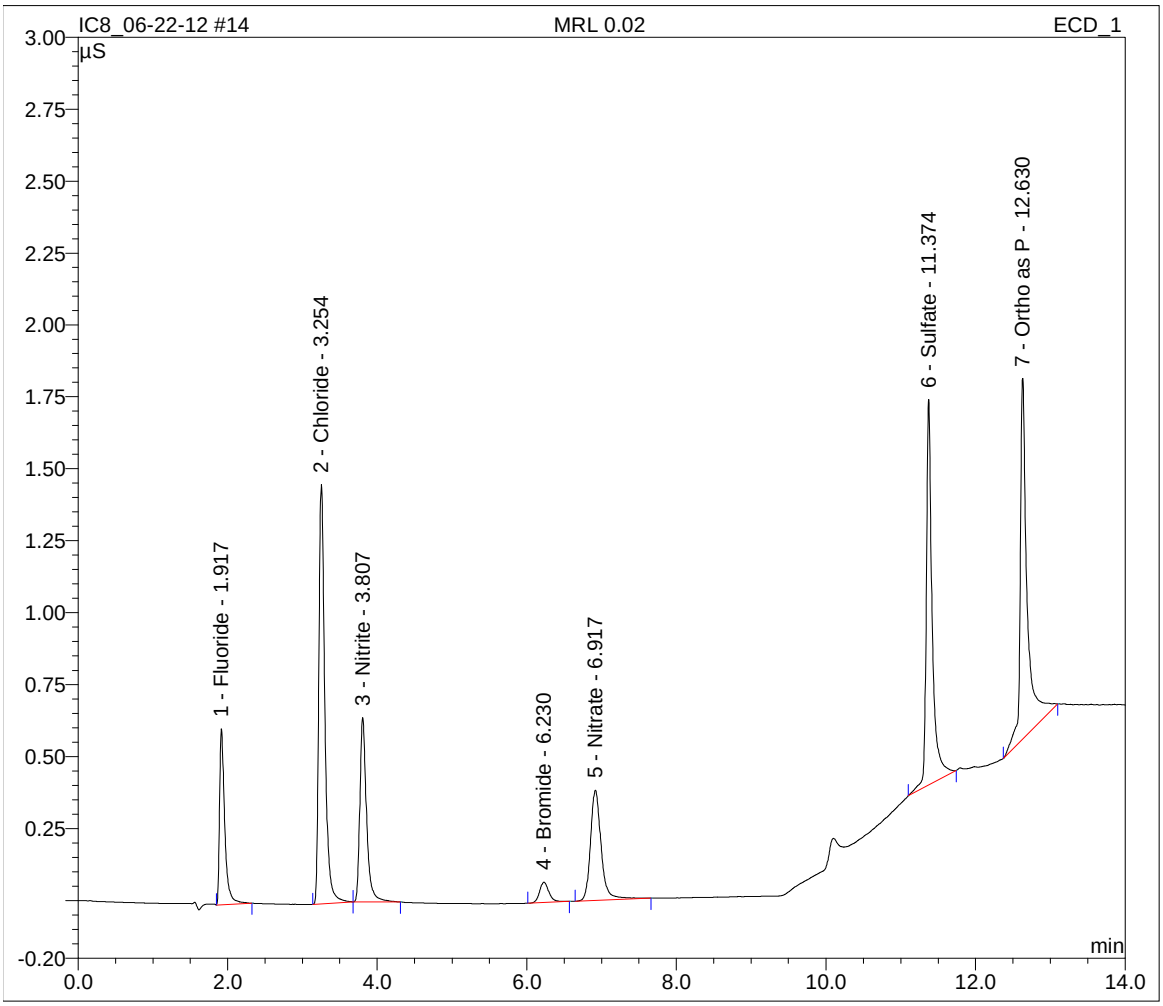
Sample Name:	**MRL 0.05**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 09:12**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.121	1.516	0.4990
2	3.25	Chloride	BMB	0.345	3.704	2.5916
3	3.80	Nitrite	BMB	0.169	1.601	0.4936
4	6.23	Bromide	BMB	0.026	0.175	0.4907
5	6.91	Nitrate	bMB	0.161	0.971	0.5015
6	11.37	Sulfate	BMB	0.289	3.397	2.4178
8	12.63	Ortho as P	BMB	0.214	2.254	0.5100
		TOTAL:		1.33	13.62	7.50



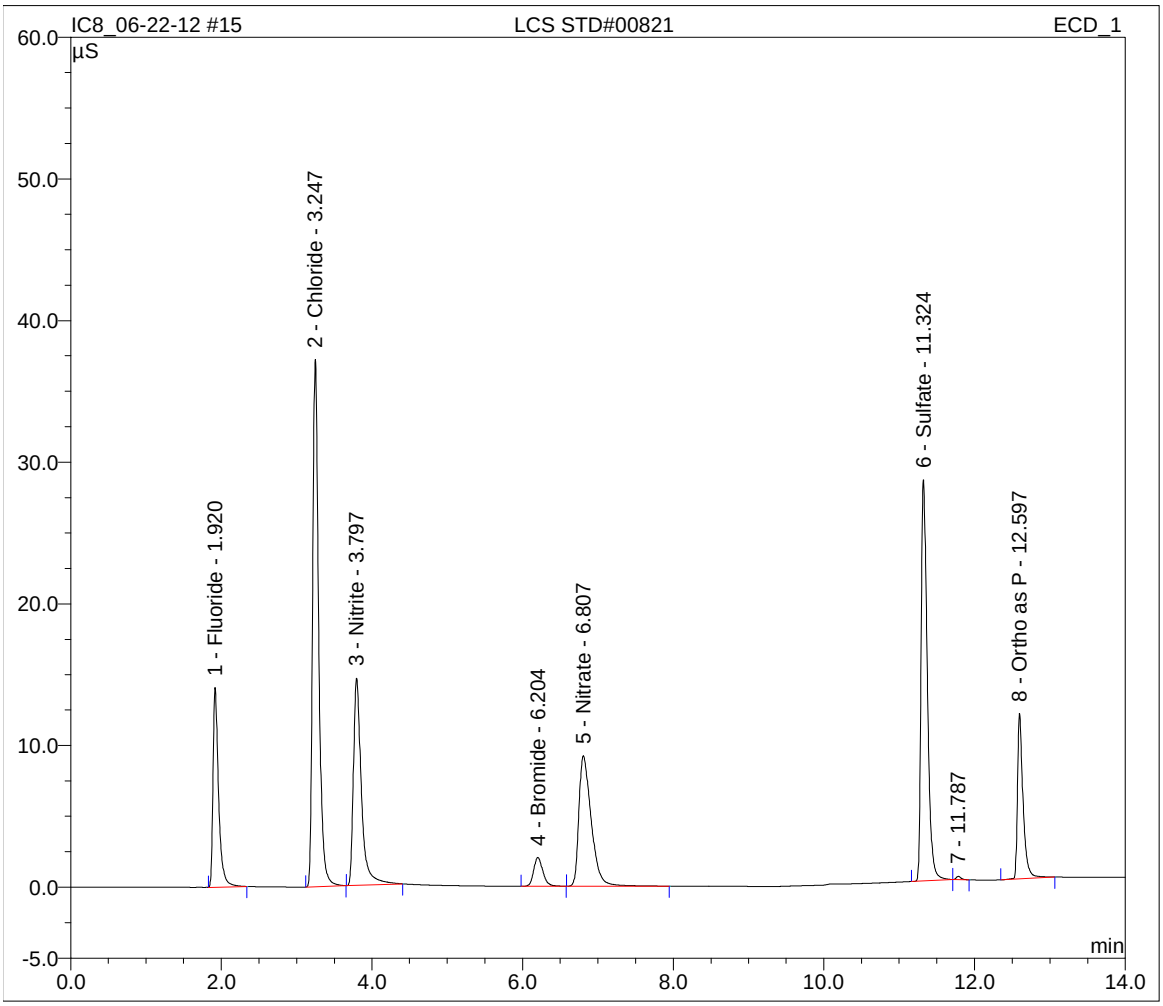
Sample Name:	**MRL 0.02**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 09:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.049	0.611	0.1878
2	3.25	Chloride	BMB	0.135	1.457	1.0569
3	3.81	Nitrite	bMB	0.066	0.640	0.2135
4	6.23	Bromide	BMB	0.010	0.070	0.2243
5	6.92	Nitrate	BMB	0.064	0.383	0.2186
6	11.37	Sulfate	BMB	0.123	1.339	0.8617
7	12.63	Ortho as P	BMB	0.135	1.253	0.0898
		TOTAL:		0.58	5.75	2.85



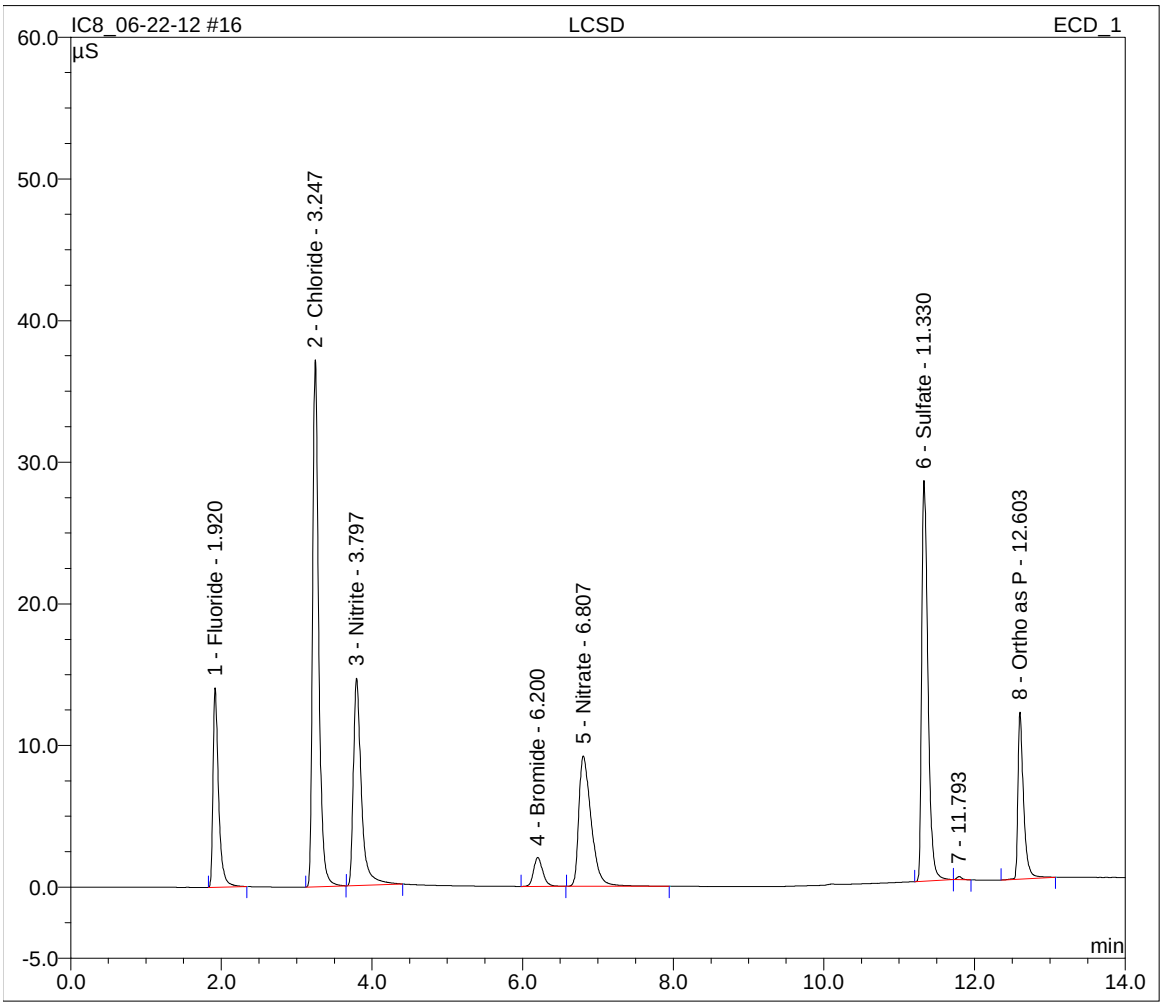
Sample Name:	**LCS STD#00821**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 09:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.204	14.079	5.1466
2	3.25	Chloride	BMB	3.462	37.205	25.4325
3	3.80	Nitrite	BMB	1.794	14.643	4.9110
4	6.20	Bromide	BMB	0.289	2.037	5.0433
5	6.81	Nitrate	BMB	1.748	9.197	5.0920
6	11.32	Sulfate	BMb	2.748	28.323	25.4968
8	12.60	Ortho as P	BMB	1.010	11.672	4.7248
TOTAL:				12.25	117.16	75.85



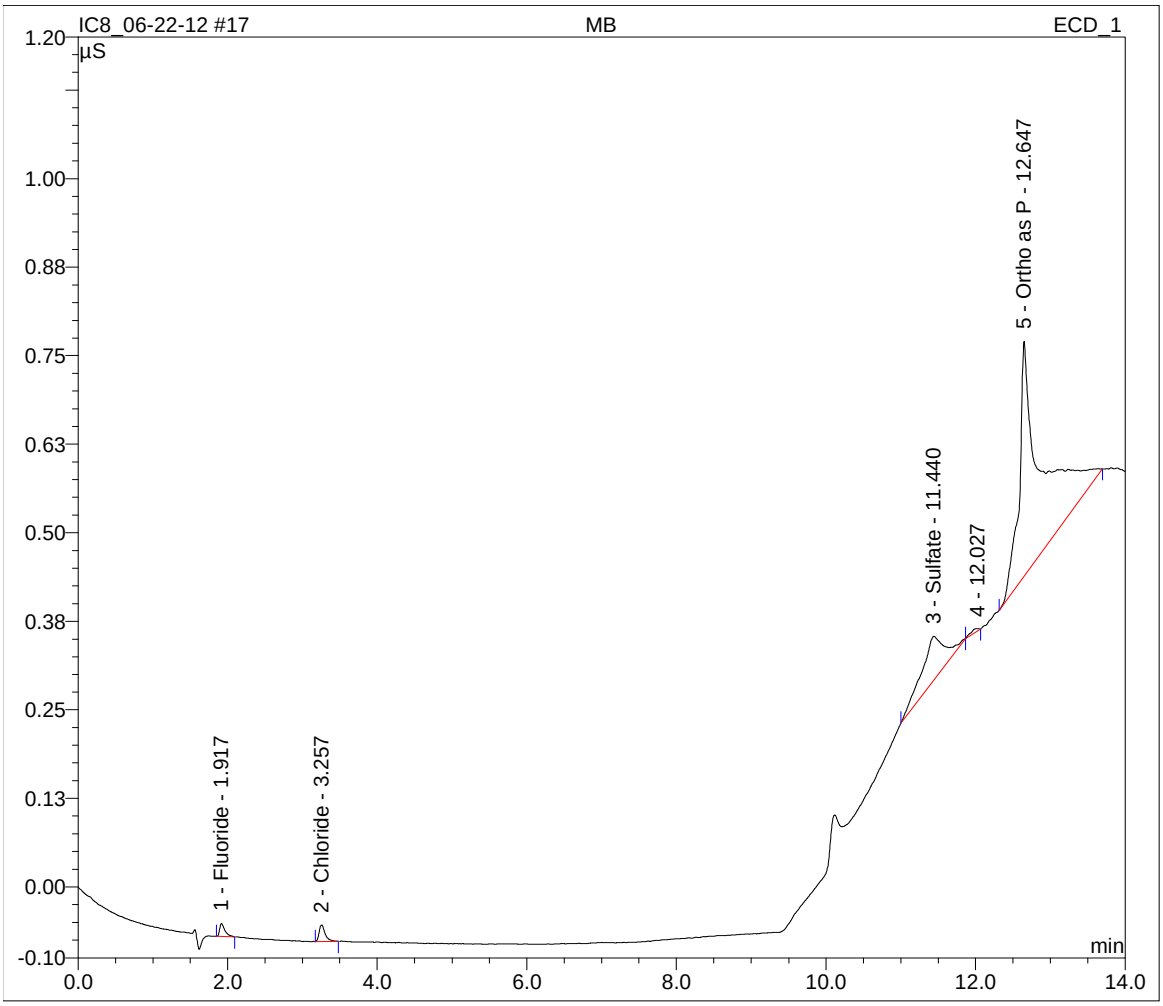
Sample Name:	**LCSD**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 10:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.204	14.076	5.1471
2	3.25	Chloride	BMB	3.463	37.200	25.4326
3	3.80	Nitrite	BMB	1.790	14.643	4.9014
4	6.20	Bromide	BMB	0.289	2.042	5.0479
5	6.81	Nitrate	BMB	1.749	9.202	5.0969
6	11.33	Sulfate	BMb	2.749	28.277	25.5122
8	12.60	Ortho as P	BMB	1.026	11.777	4.8092
		TOTAL:		12.27	117.22	75.95



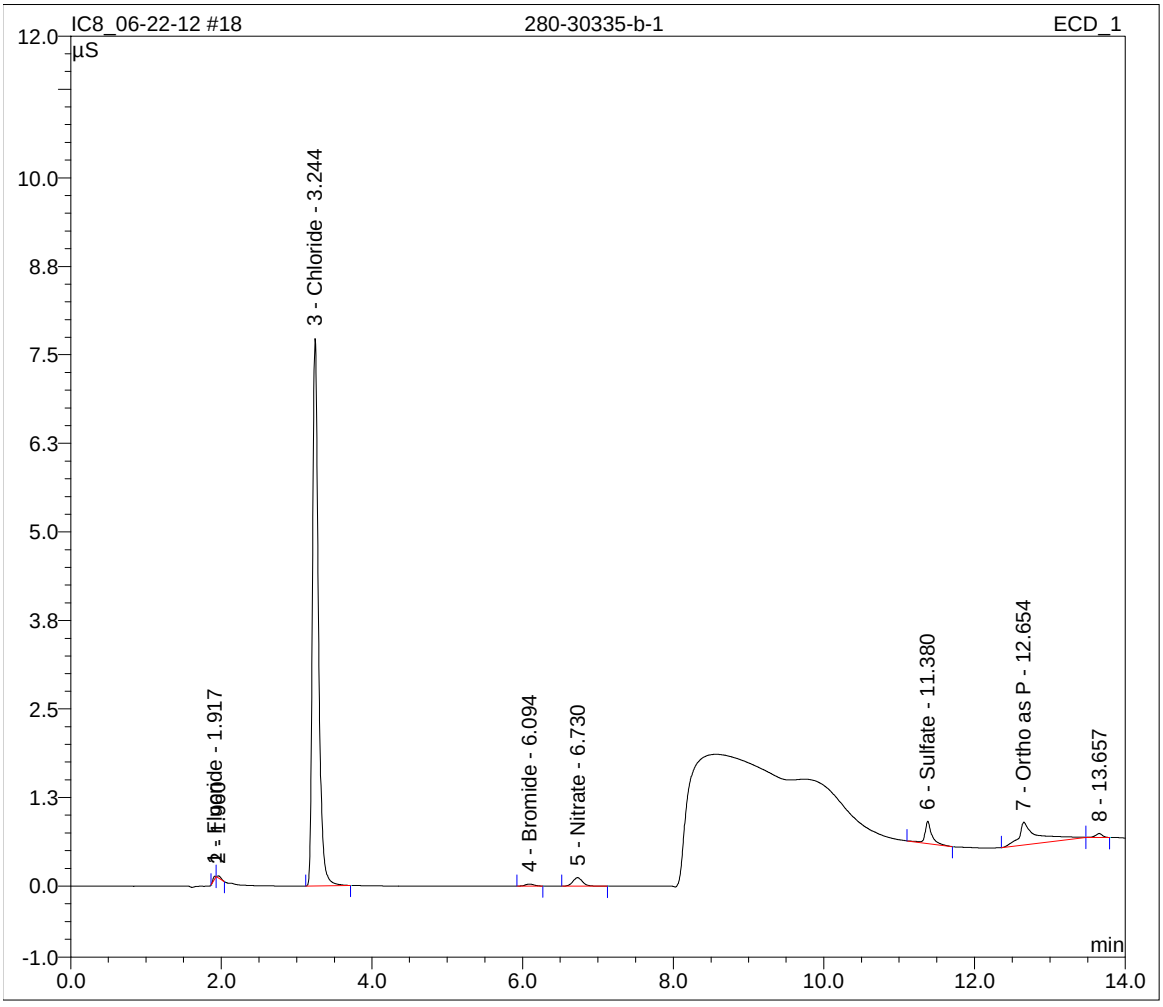
Sample Name:	**MB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 10:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.001	0.018	-0.0163
2	3.26	Chloride	BMB	0.002	0.023	0.0812
3	11.44	Sulfate	BMB	0.022	0.062	-0.0887
5	12.65	Ortho as P	BMB	0.114	0.332	-0.0211
		TOTAL:		0.14	0.44	-0.04



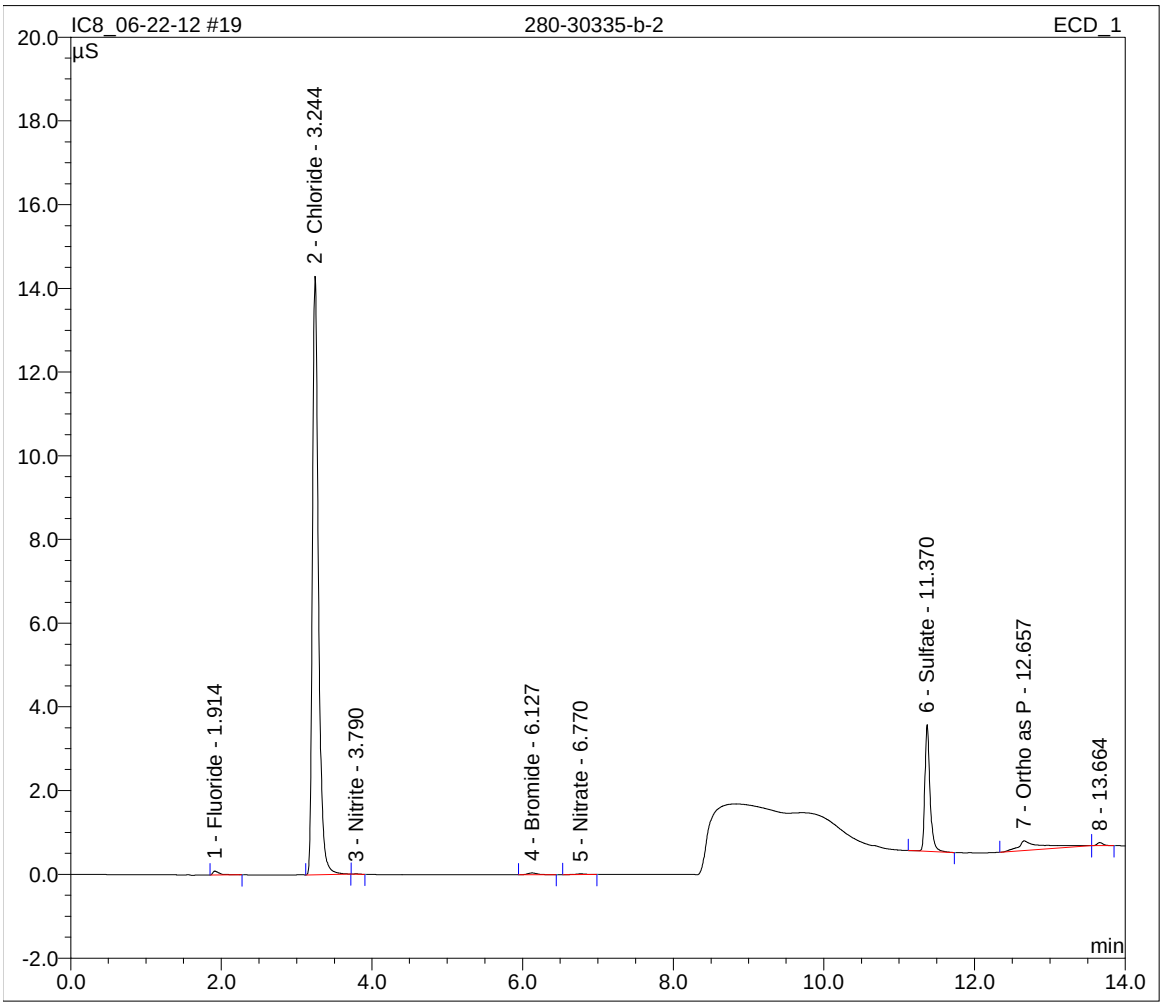
Sample Name:	**280-30335-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 11:55**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.002	0.033	-0.0149
3	3.24	Chloride	BMB	0.706	7.733	5.2358
4	6.09	Bromide	BMB	0.004	0.028	0.1136
5	6.73	Nitrate	BMB	0.018	0.121	0.0866
6	11.38	Sulfate	BMB	0.032	0.314	0.0098
7	12.65	Ortho as P	BMB	0.093	0.321	-0.1344
		TOTAL:		0.85	8.55	5.30



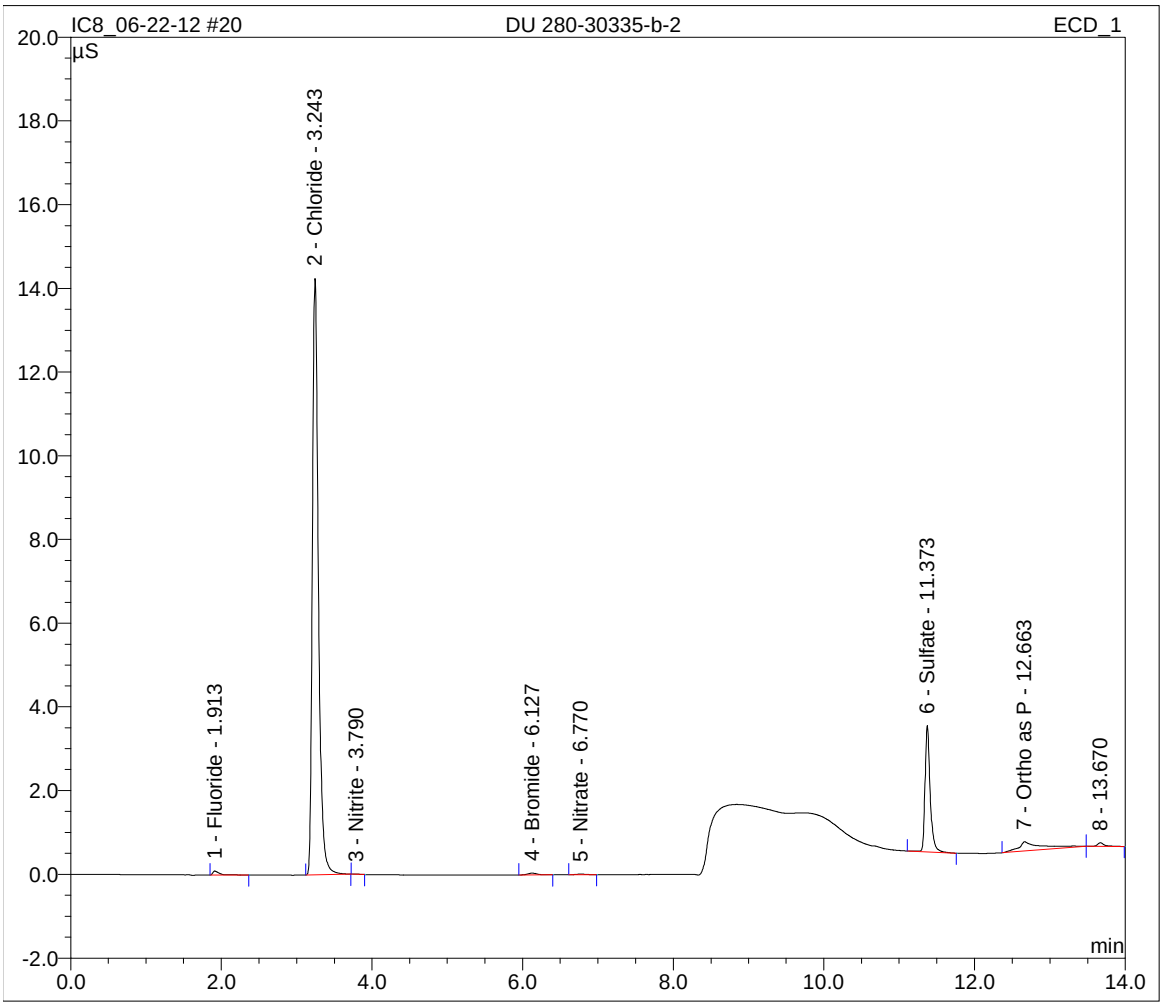
Sample Name:	**280-30335-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 12:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.010	0.094	0.0189
2	3.24	Chloride	BMB	1.320	14.302	9.7379
3	3.79	Nitrite	BMB	0.001	0.008	0.0350
4	6.13	Bromide	BMB	0.006	0.043	0.1532
5	6.77	Nitrate	BMB	0.003	0.017	0.0422
6	11.37	Sulfate	BMB	0.239	3.030	1.9546
7	12.66	Ortho as P	BMB	0.087	0.234	-0.1658
TOTAL:				1.67	17.73	11.78



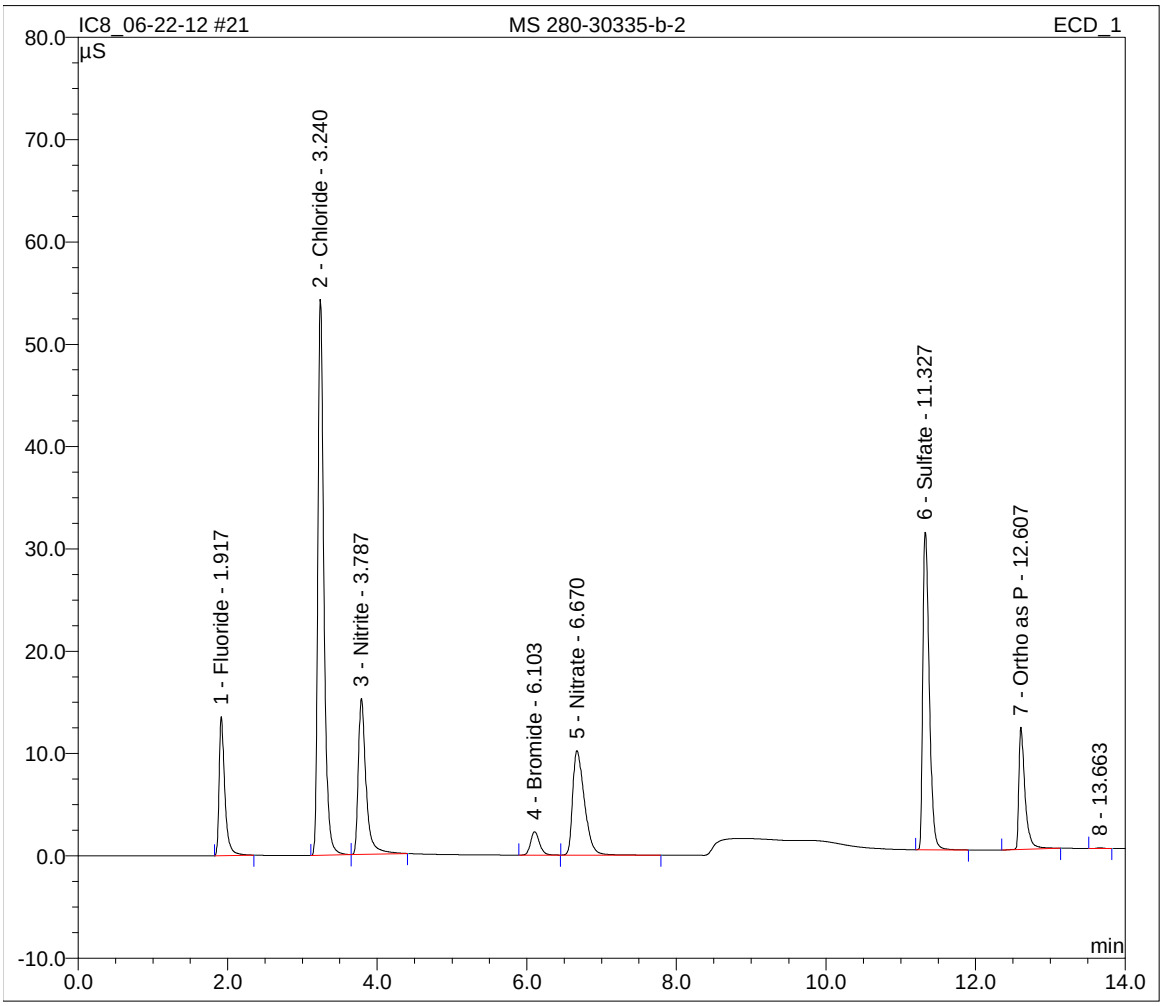
Sample Name:	**DU 280-30335-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 12:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.010	0.096	0.0192
2	3.24	Chloride	BMB	1.319	14.254	9.7254
3	3.79	Nitrite	BMB	0.001	0.008	0.0349
4	6.13	Bromide	BMB	0.006	0.042	0.1496
5	6.77	Nitrate	BMB	0.002	0.015	0.0407
6	11.37	Sulfate	BMB	0.239	3.017	1.9495
7	12.66	Ortho as P	BMB	0.078	0.223	-0.2106
TOTAL:				1.65	17.65	11.71



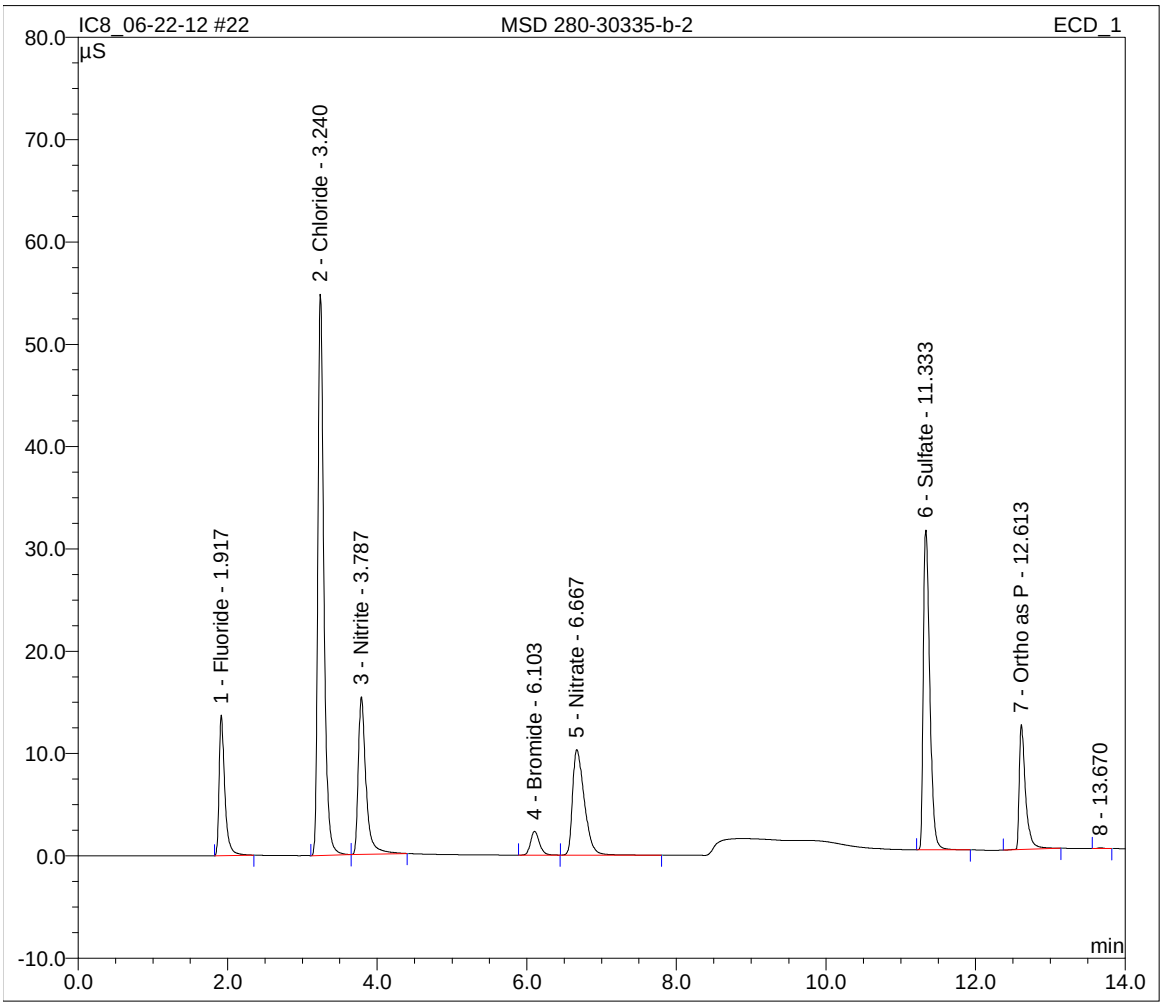
Sample Name:	**MS 280-30335-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 12:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.198	13.597	5.1245
2	3.24	Chloride	BMB	5.072	54.361	37.2252
3	3.79	Nitrite	bMB	1.841	15.241	5.0380
4	6.10	Bromide	BMB	0.315	2.281	5.5039
5	6.67	Nitrate	BMB	1.853	10.196	5.3968
6	11.33	Sulfate	BMB	3.098	31.026	28.7887
7	12.61	Ortho as P	BMB	1.146	11.933	5.4436
		TOTAL:		14.52	138.63	92.52



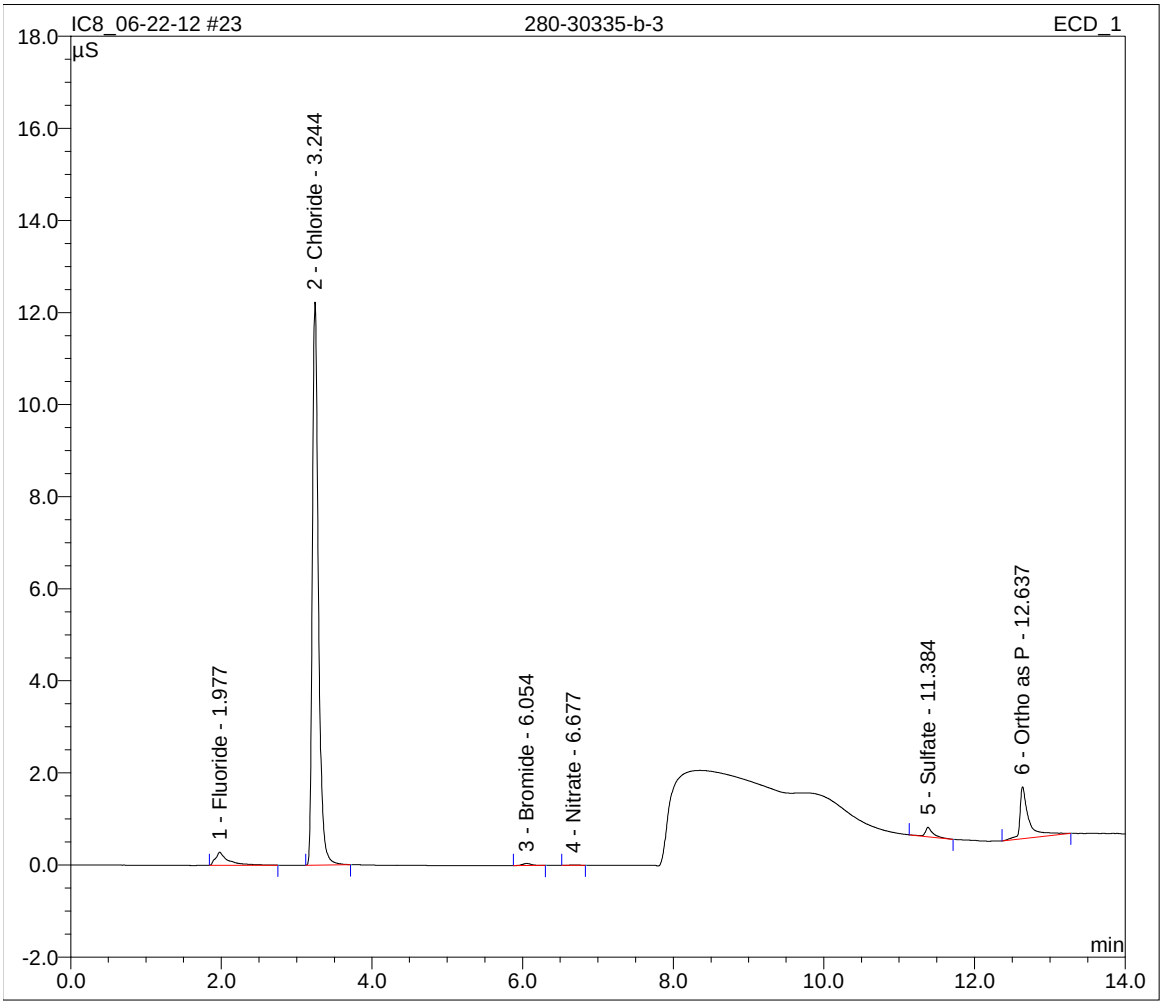
Sample Name:	**MSD 280-30335-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 13:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.214	13.741	5.1901
2	3.24	Chloride	BMB	5.111	54.858	37.5116
3	3.79	Nitrite	BMB	1.852	15.391	5.0686
4	6.10	Bromide	BMB	0.319	2.319	5.5604
5	6.67	Nitrate	BMB	1.872	10.303	5.4530
6	11.33	Sulfate	BMB	3.127	31.240	29.0589
7	12.61	Ortho as P	BMB	1.191	12.213	5.6838
		TOTAL:		14.69	140.07	93.53



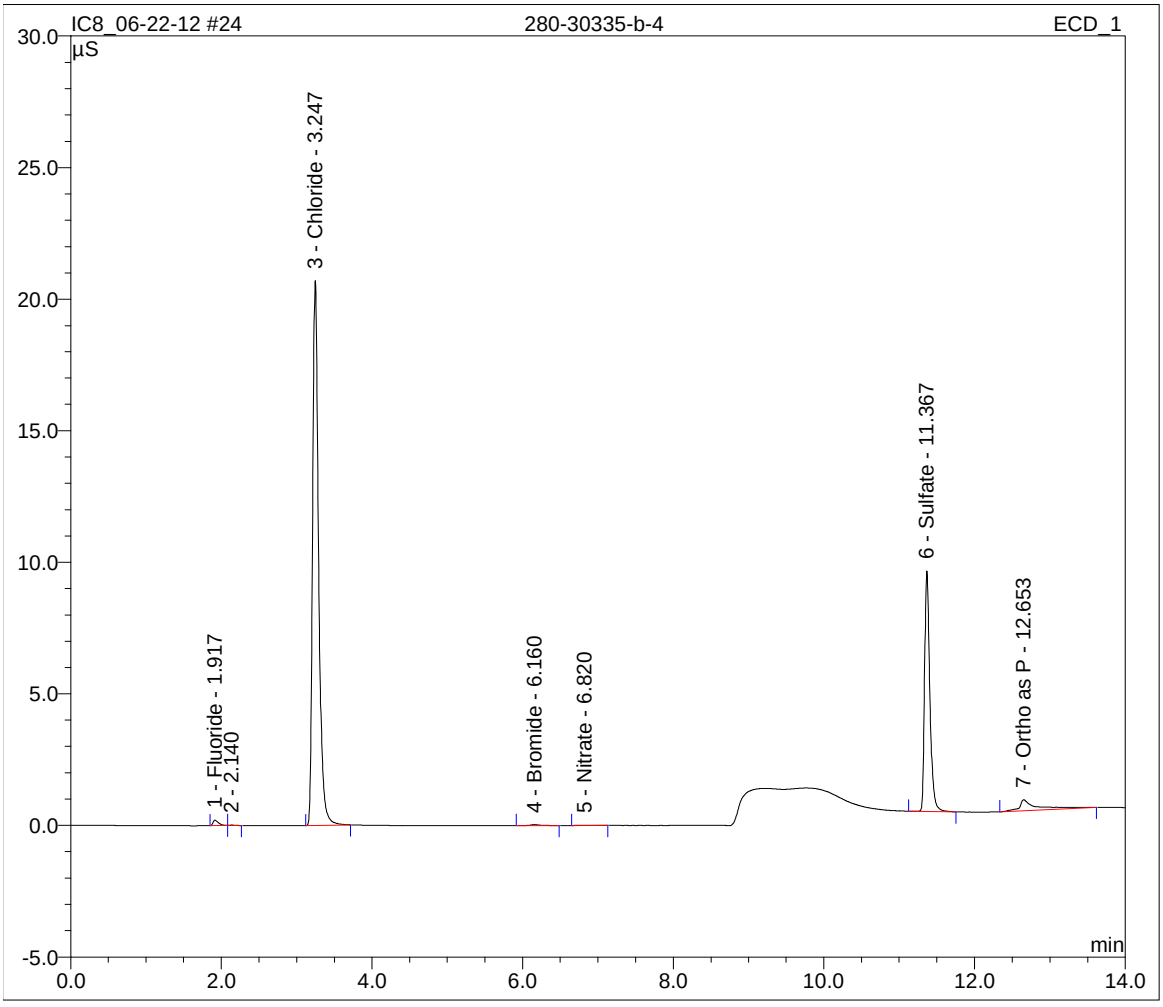
Sample Name:	**280-30335-b-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 13:19**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.98	Fluoride	BMB	0.056	0.286	0.2181
2	3.24	Chloride	BMB	1.135	12.234	8.3820
3	6.05	Bromide	BMB	0.006	0.043	0.1495
4	6.68	Nitrate	BMB	0.001	0.010	0.0384
5	11.38	Sulfate	BMB	0.024	0.207	-0.0709
6	12.64	Ortho as P	BMB	0.153	1.123	0.1883
		TOTAL:		1.38	13.90	8.91



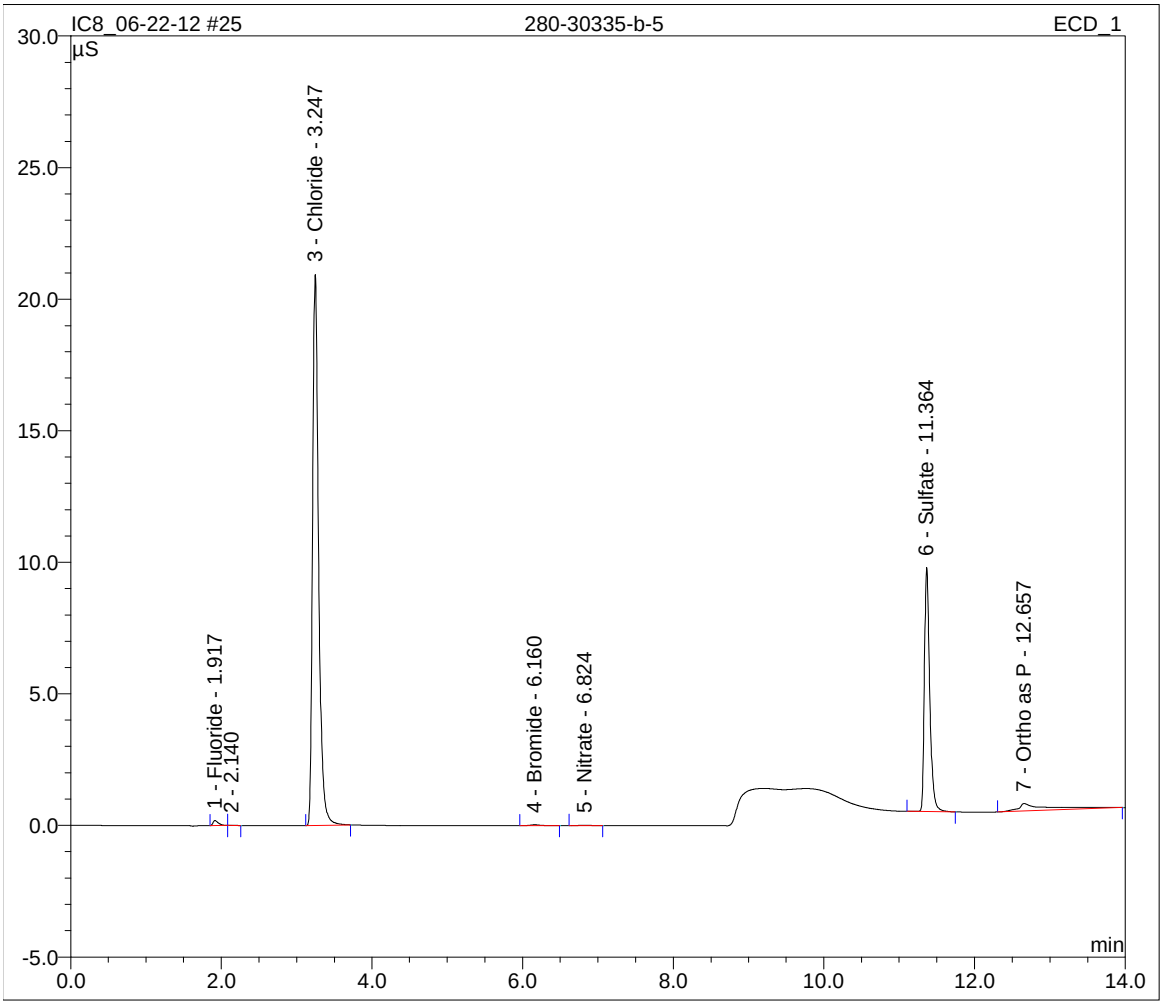
Sample Name:	**280-30335-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 13:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.017	0.211	0.0504
3	3.25	Chloride	BMB	1.915	20.717	14.0960
4	6.16	Bromide	BMB	0.005	0.033	0.1318
5	6.82	Nitrate	BMB	0.002	0.011	0.0398
6	11.37	Sulfate	BMB	0.744	9.146	6.6876
7	12.65	Ortho as P	BMB	0.113	0.421	-0.0271
		TOTAL:		2.80	30.54	20.98



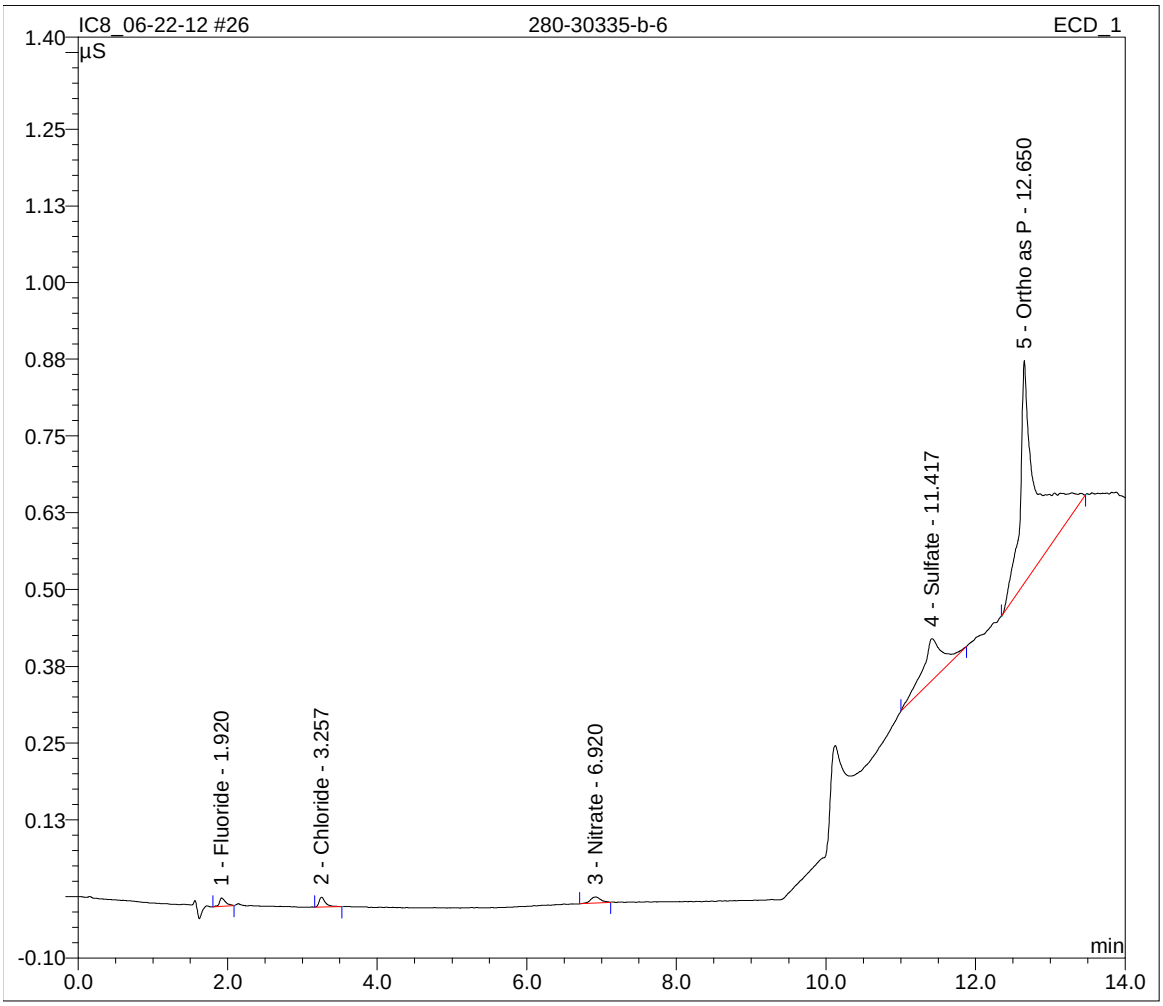
Sample Name:	**280-30335-b-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 13:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.016	0.199	0.0460
3	3.25	Chloride	BMB	1.940	20.951	14.2786
4	6.16	Bromide	BMB	0.005	0.033	0.1296
5	6.82	Nitrate	BMB	0.002	0.012	0.0400
6	11.36	Sulfate	BMB	0.763	9.284	6.8662
7	12.66	Ortho as P	BMB	0.134	0.290	0.0831
		TOTAL:		2.86	30.77	21.44



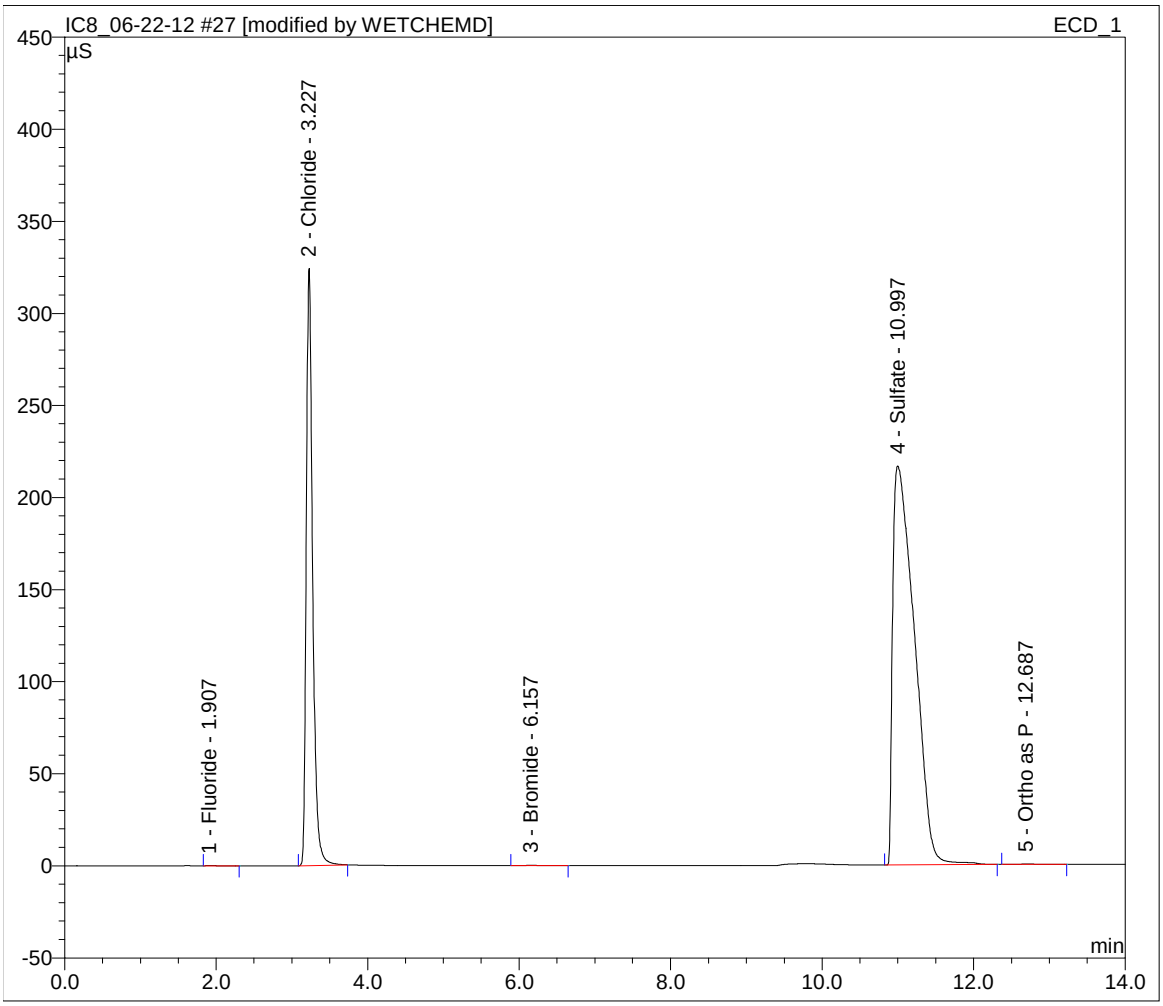
Sample Name:	**280-30335-b-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 14:09**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.001	0.014	-0.0172
2	3.26	Chloride	BMB	0.002	0.016	0.0767
3	6.92	Nitrate	BMB	0.002	0.010	0.0392
4	11.42	Sulfate	BMB	0.021	0.068	-0.0990
5	12.65	Ortho as P	BMB	0.097	0.363	-0.1080
		TOTAL:		0.12	0.47	-0.11



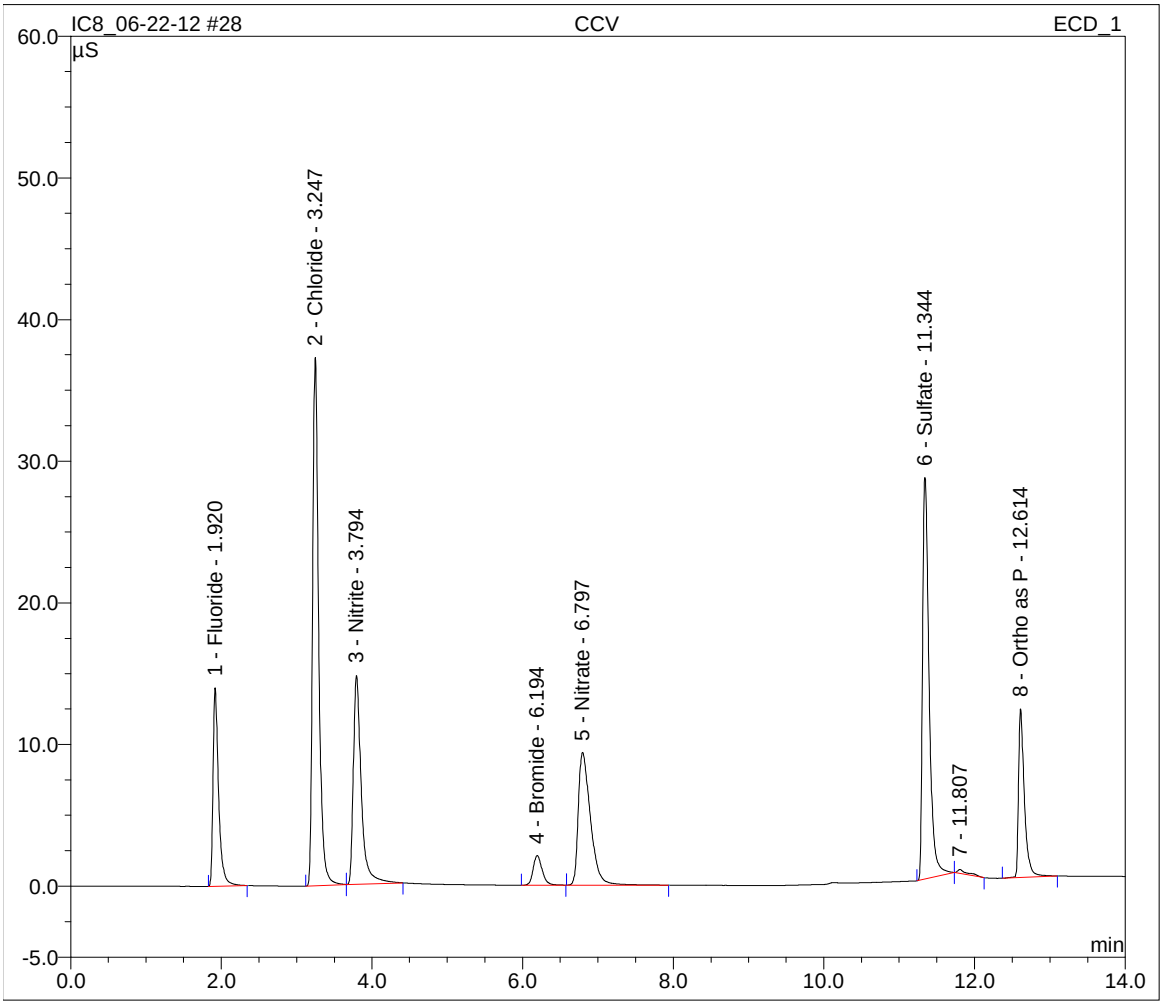
Sample Name:	**280-30328-a-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 14:26**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.008	0.077	0.0523
2	3.23	Chloride	BMB	31.671	324.248	1160.4643
3	6.16	Bromide	BMB	0.042	0.302	3.8467
4	11.00	Sulfate	BMB*	71.713	216.699	3363.9487
5	12.69	Ortho as P	BMB	0.074	0.286	-1.1726
		TOTAL:		103.51	541.61	4527.14



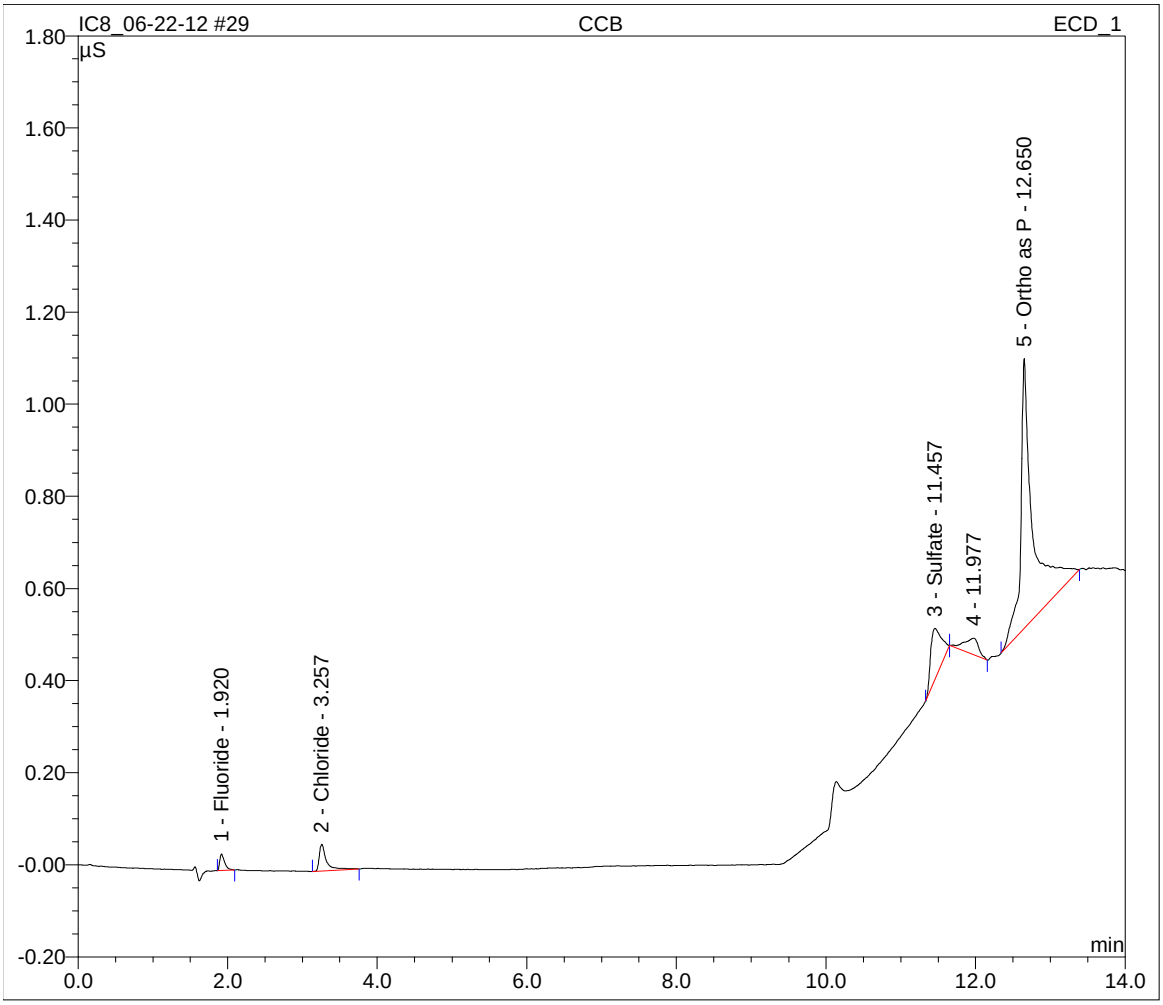
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 14:43**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.198	13.993	5.1245
2	3.25	Chloride	BMB	3.461	37.284	25.4205
3	3.79	Nitrite	BMB	1.789	14.738	4.8973
4	6.19	Bromide	BMB	0.290	2.095	5.0651
5	6.80	Nitrate	BMB	1.750	9.369	5.0977
6	11.34	Sulfate	BMb	2.868	28.346	26.6242
8	12.61	Ortho as P	BMB	1.080	11.894	5.0936
		TOTAL:		12.44	117.72	77.32



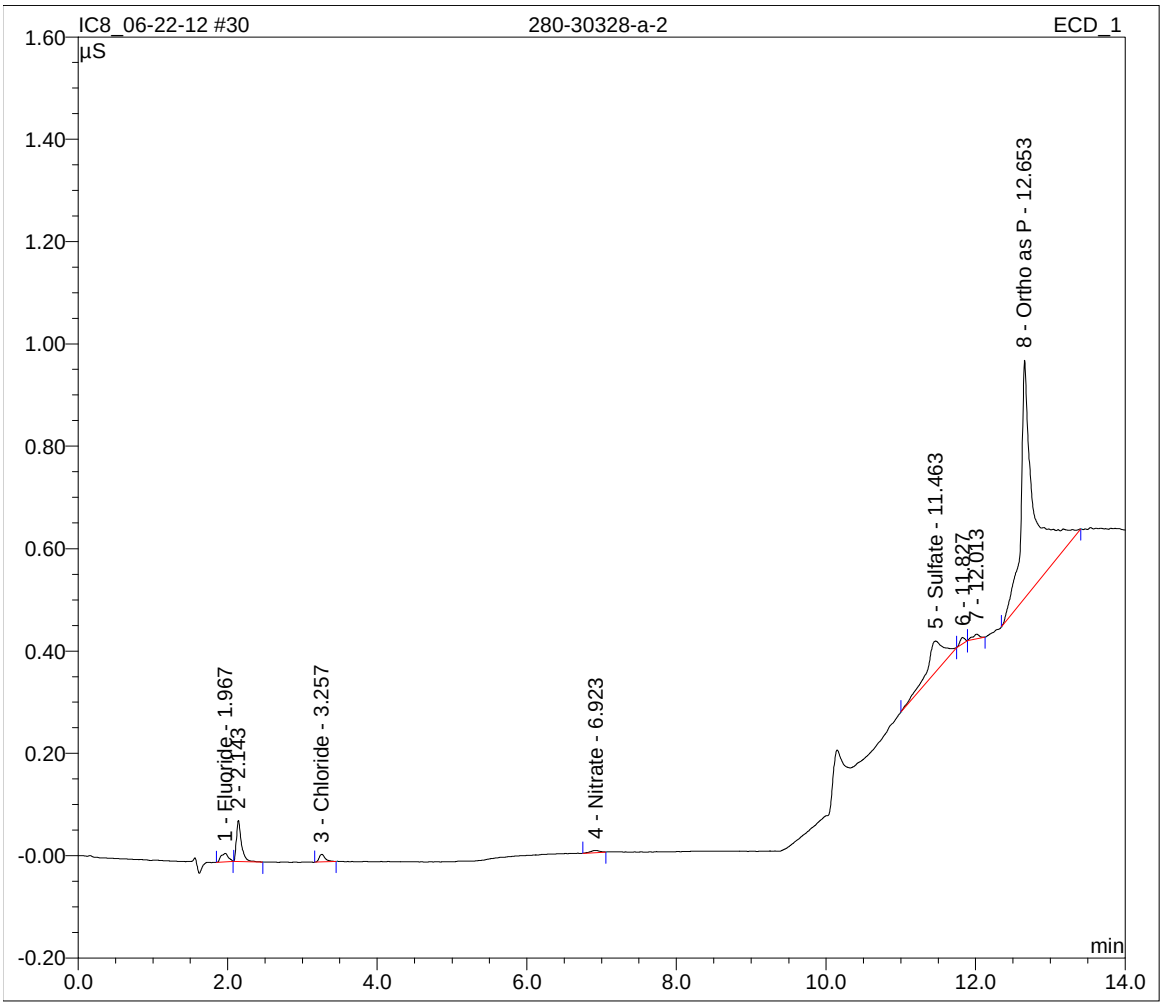
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 14:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.003	0.036	-0.0110
2	3.26	Chloride	BMB	0.007	0.058	0.1139
3	11.46	Sulfate	BMb	0.018	0.111	-0.1217
5	12.65	Ortho as P	BMB	0.112	0.585	-0.0297
		TOTAL:		0.14	0.79	-0.05



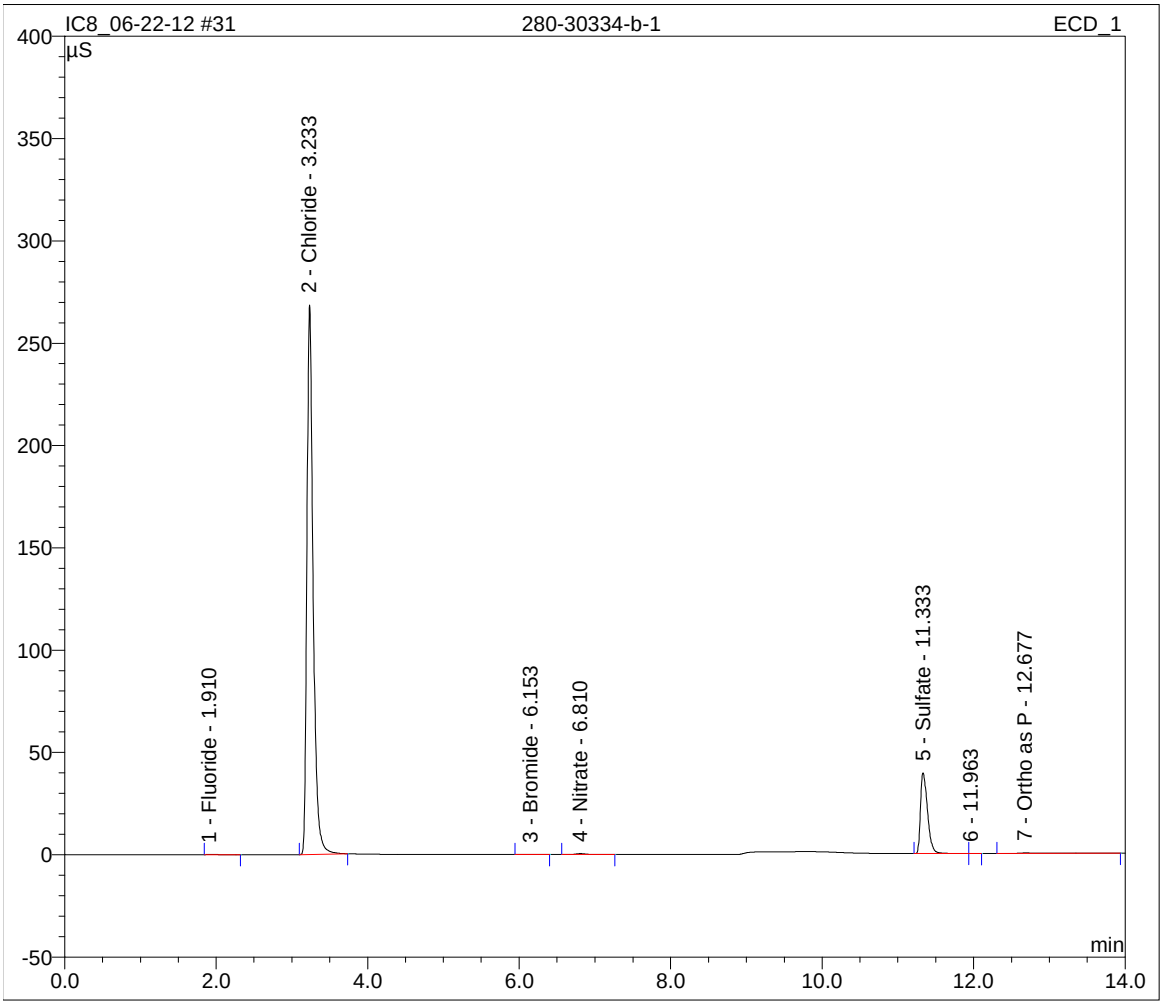
Sample Name:	**280-30328-a-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 15:16**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.97	Fluoride	BMB	0.002	0.017	-0.0145
3	3.26	Chloride	BMB	0.001	0.015	0.0753
4	6.92	Nitrate	BMB	0.001	0.004	0.0363
5	11.46	Sulfate	BMB	0.015	0.061	-0.1489
8	12.65	Ortho as P	BMB	0.098	0.465	-0.1029
		TOTAL:		0.12	0.56	-0.15



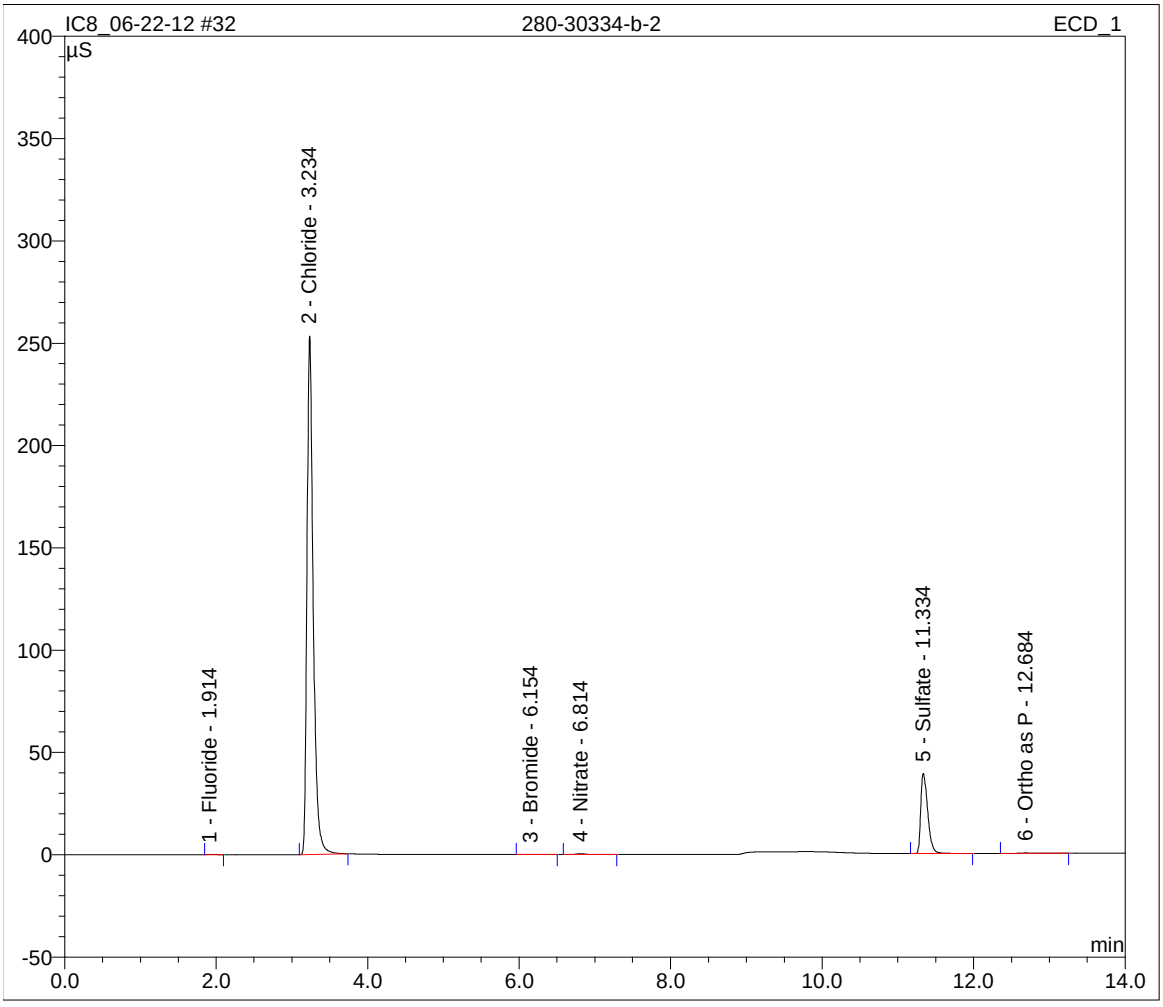
Sample Name:	**280-30334-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 15:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.014	0.160	0.0362
2	3.23	Chloride	BMB	25.624	268.549	187.7945
3	6.15	Bromide	BMB	0.013	0.096	0.2681
4	6.81	Nitrate	BMB	0.068	0.456	0.2310
5	11.33	Sulfate	BMb	4.252	39.451	39.6182
7	12.68	Ortho as P	BMB	0.132	0.309	0.0729
		TOTAL:		30.10	309.02	228.02



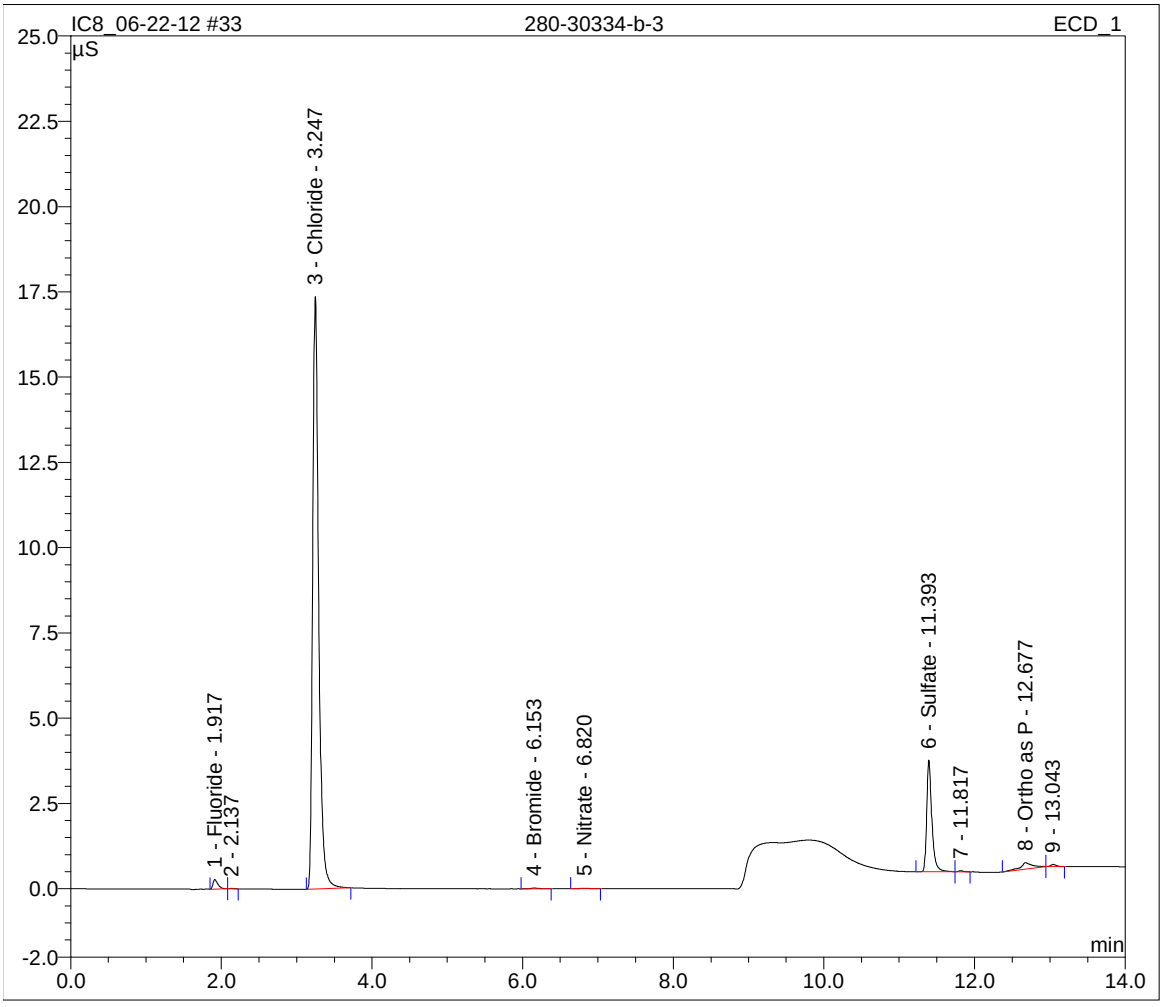
Sample Name:	**280-30334-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 15:50**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.013	0.159	0.0319
2	3.23	Chloride	BMB	24.212	253.529	177.4530
3	6.15	Bromide	BMB	0.013	0.094	0.2690
4	6.81	Nitrate	BMB	0.055	0.363	0.1924
5	11.33	Sulfate	BMB	4.189	39.142	39.0245
6	12.68	Ortho as P	BMB	0.061	0.225	-0.3015
		TOTAL:		28.54	293.51	216.67



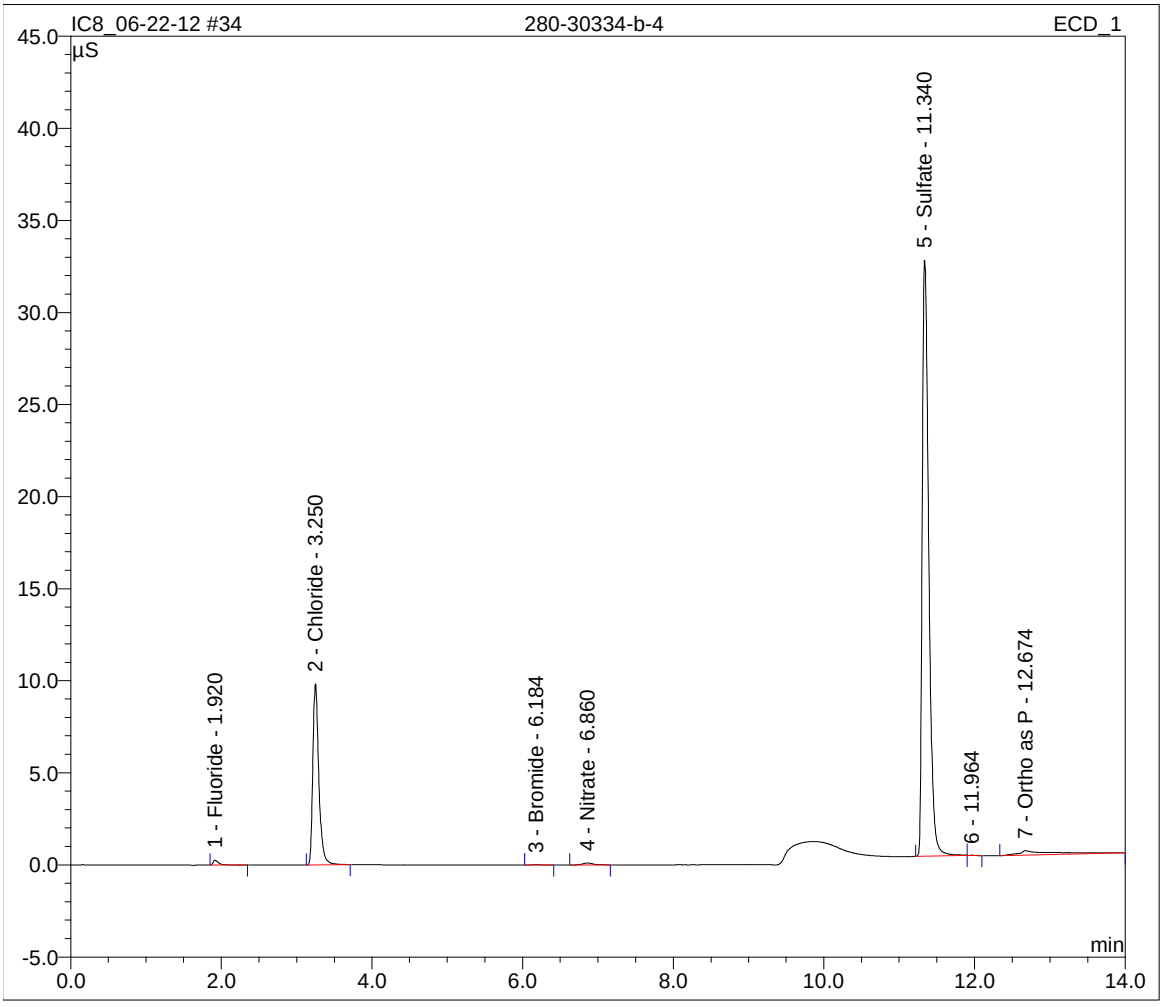
Sample Name:	**280-30334-b-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 16:07**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.021	0.279	0.0667
3	3.25	Chloride	BMB	1.600	17.367	11.7855
4	6.15	Bromide	BMB	0.003	0.020	0.0953
5	6.82	Nitrate	BMB	0.002	0.013	0.0403
6	11.39	Sulfate	BMB	0.259	3.269	2.1415
8	12.68	Ortho as P	BMB	0.034	0.189	-0.4429
		TOTAL:		1.92	21.14	13.69



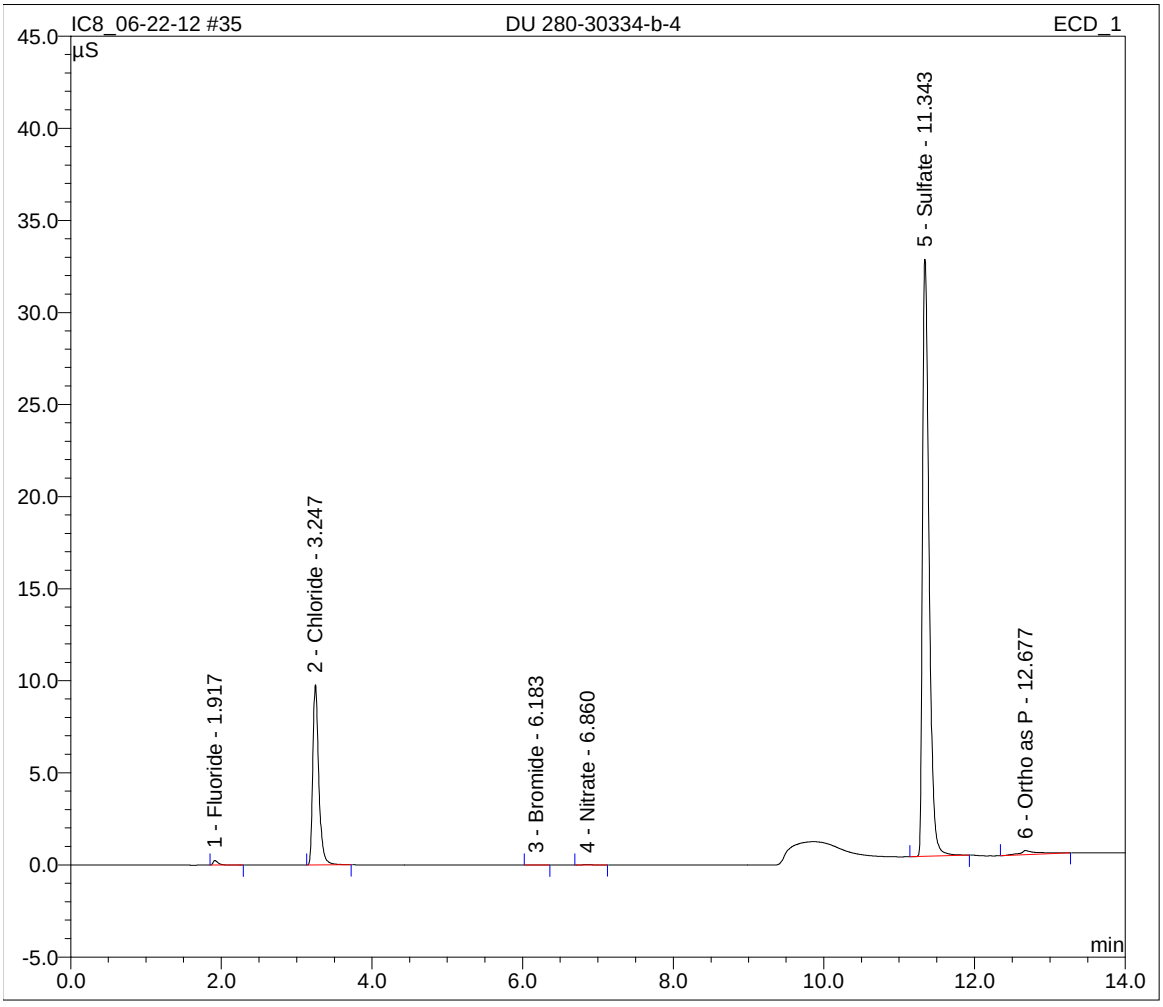
Sample Name:	**280-30334-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 16:23**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.022	0.264	0.0736
2	3.25	Chloride	BMB	0.904	9.829	6.6881
3	6.18	Bromide	BMB	0.001	0.010	0.0703
4	6.86	Nitrate	BMB	0.016	0.104	0.0795
5	11.34	Sulfate	BMB	3.271	32.379	30.4049
7	12.67	Ortho as P	BMB	0.128	0.240	0.0560
		TOTAL:		4.34	42.82	37.37



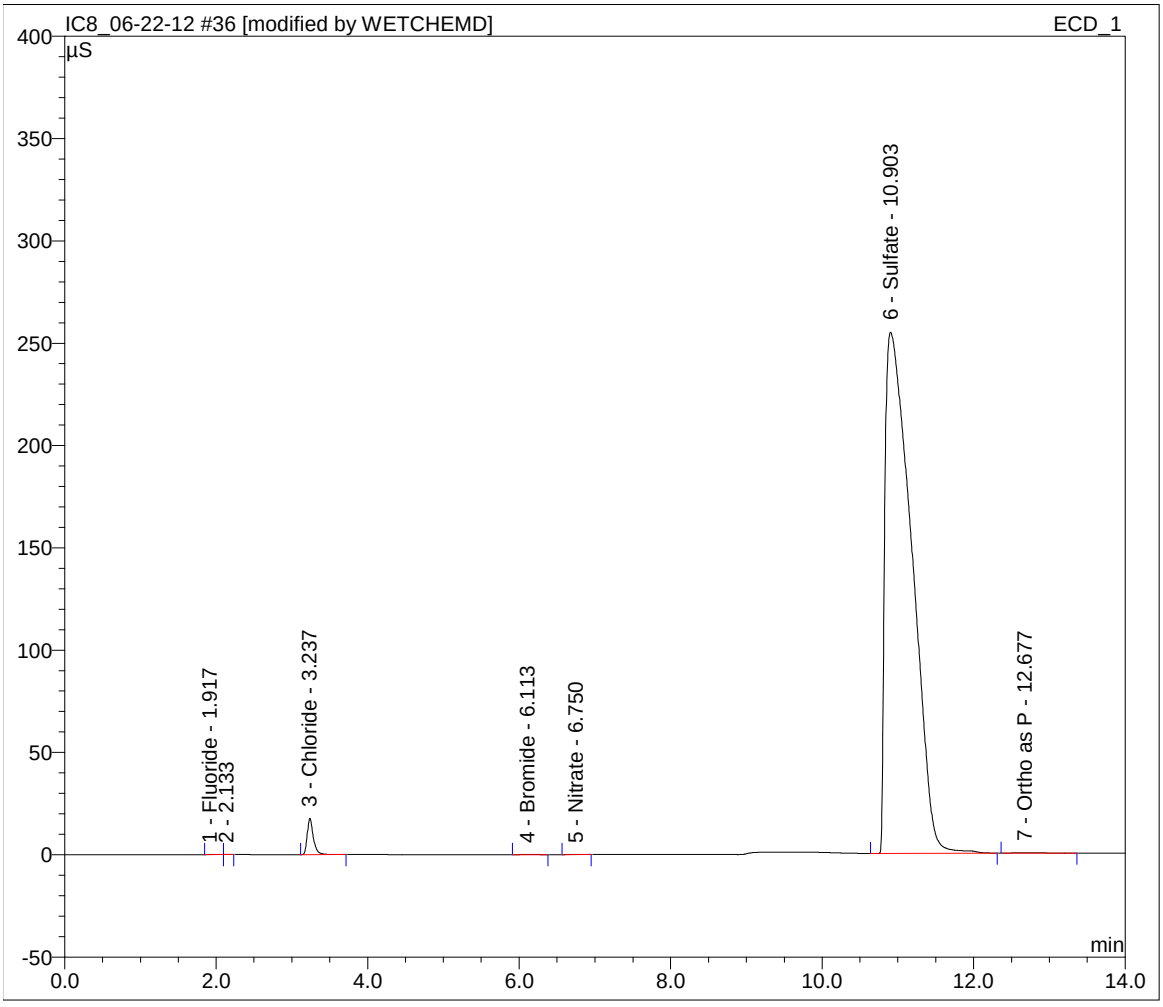
Sample Name:	**DU 280-30334-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 16:40**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.020	0.254	0.0652
2	3.25	Chloride	BMB	0.900	9.778	6.6556
3	6.18	Bromide	BMB	0.001	0.010	0.0703
4	6.86	Nitrate	BMB	0.003	0.019	0.0426
5	11.34	Sulfate	BMB	3.284	32.429	30.5275
6	12.68	Ortho as P	BMB	0.065	0.229	-0.2817
		TOTAL:		4.27	42.72	37.08



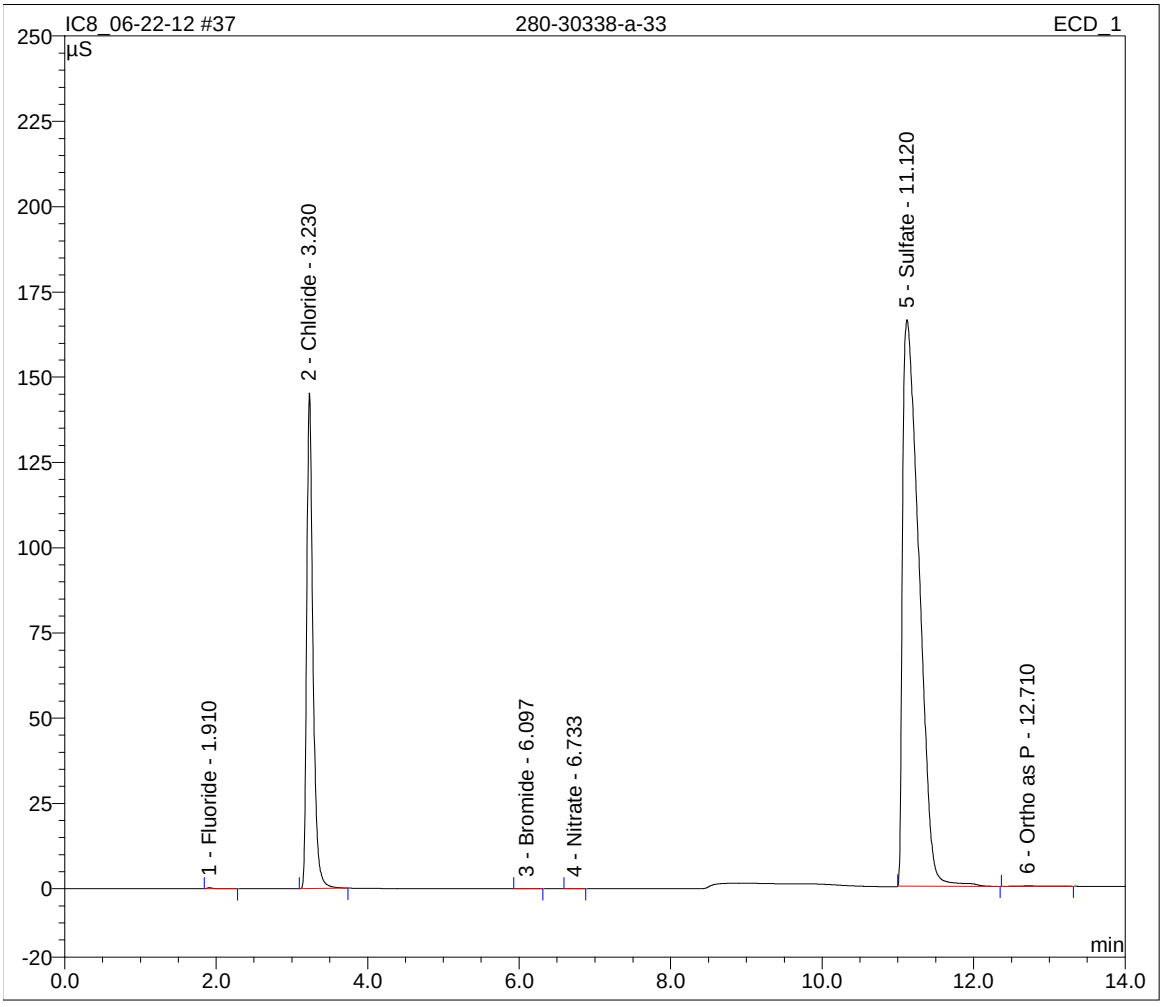
Sample Name:	**280-30338-a-4 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 16:57**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.019	0.158	0.1205
3	3.24	Chloride	BMB	1.651	17.711	24.3186
4	6.11	Bromide	BMB	0.006	0.045	0.3056
5	6.75	Nitrate	BMB	0.001	0.009	0.0765
6	10.90	Sulfate	BMB*	103.374	254.836	1939.9217
7	12.68	Ortho as P	BMB	0.064	0.193	-0.5670
		TOTAL:		105.12	272.95	1964.18



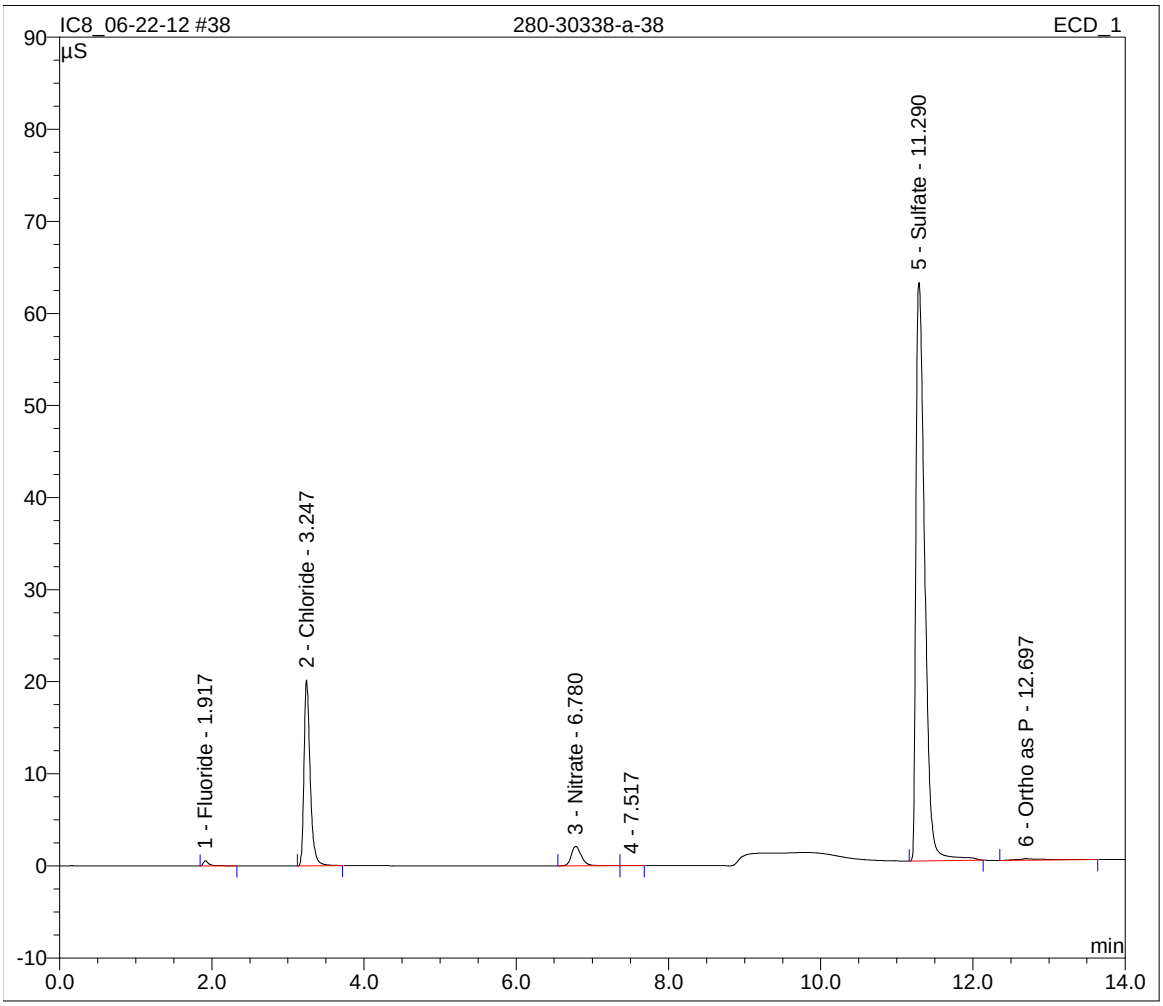
Sample Name:	**280-30338-a-33**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 17:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.028	0.321	0.0974
2	3.23	Chloride	BMB	13.909	145.302	101.9700
3	6.10	Bromide	BMB	0.004	0.033	0.1227
4	6.73	Nitrate	BMB	0.001	0.006	0.0368
5	11.12	Sulfate	BMB	41.868	166.089	392.6701
6	12.71	Ortho as P	BMB	0.059	0.165	-0.3113
		TOTAL:		55.87	311.92	494.59



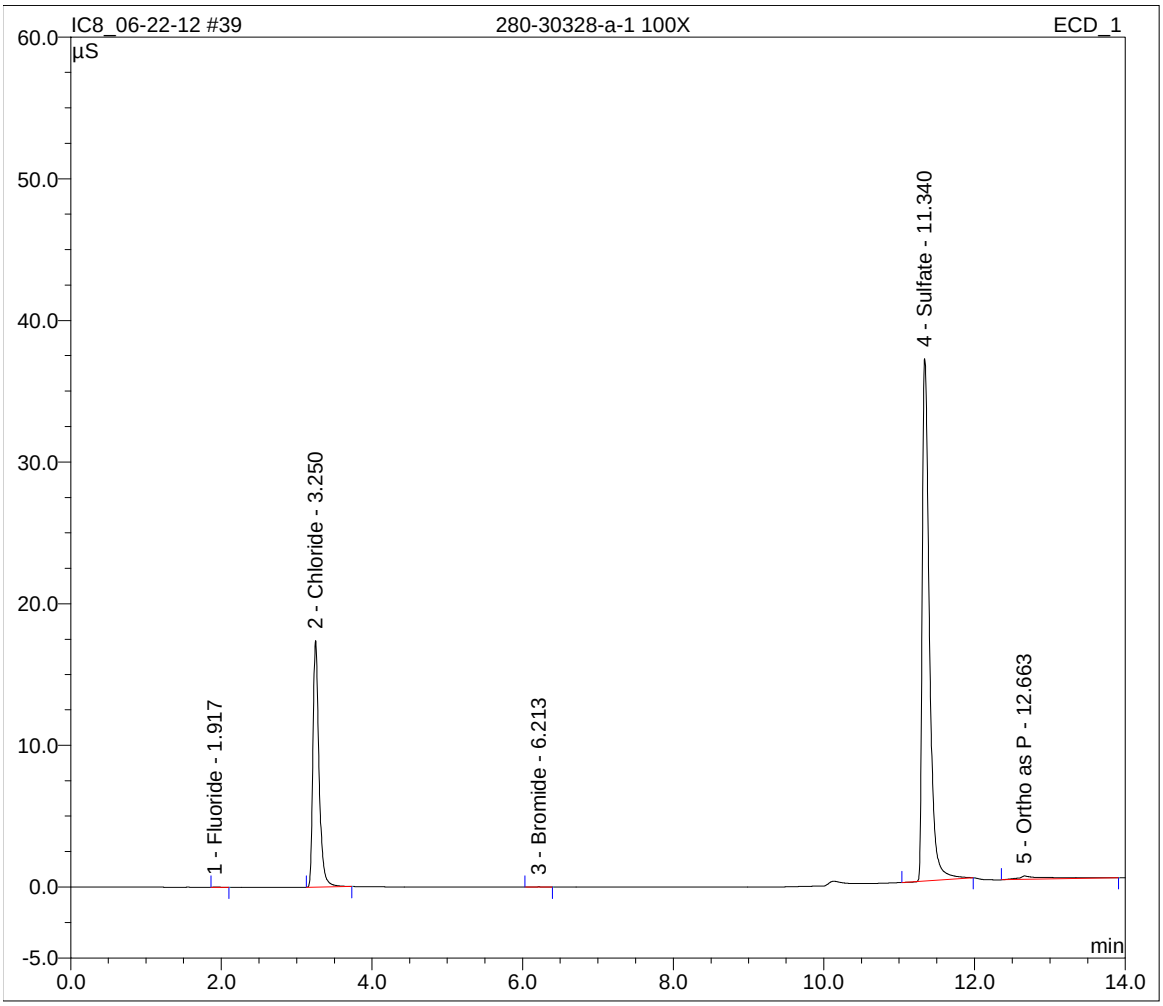
Sample Name:	**280-30338-a-38**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 17:31**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.048	0.571	0.1824
2	3.25	Chloride	BMB	1.876	20.153	13.8100
3	6.78	Nitrate	BMb	0.320	2.104	0.9601
5	11.29	Sulfate	BMB	8.458	62.830	79.0967
6	12.70	Ortho as P	BMB	0.078	0.174	-0.2114
		TOTAL:		10.78	85.83	93.84



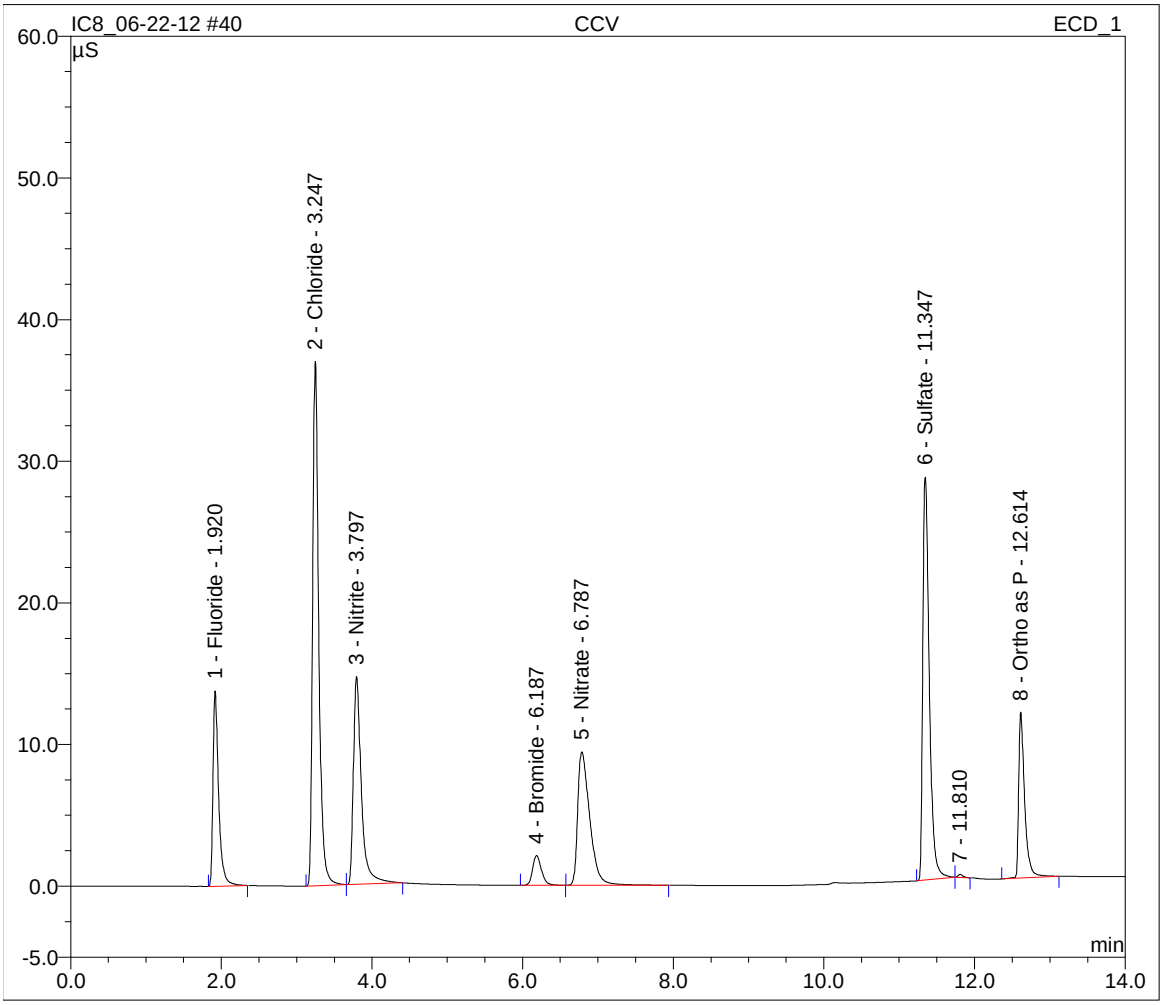
Sample Name:	**280-30328-a-1 100X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**100.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 17:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.001	0.009	-1.9389
2	3.25	Chloride	BMB	1.630	17.400	1200.4063
3	6.21	Bromide	BMB	0.002	0.014	8.1074
4	11.34	Sulfate	BMB	4.090	36.865	3809.9173
5	12.66	Ortho as P	BMB	0.114	0.244	-1.9355
		TOTAL:		5.84	54.53	5014.56



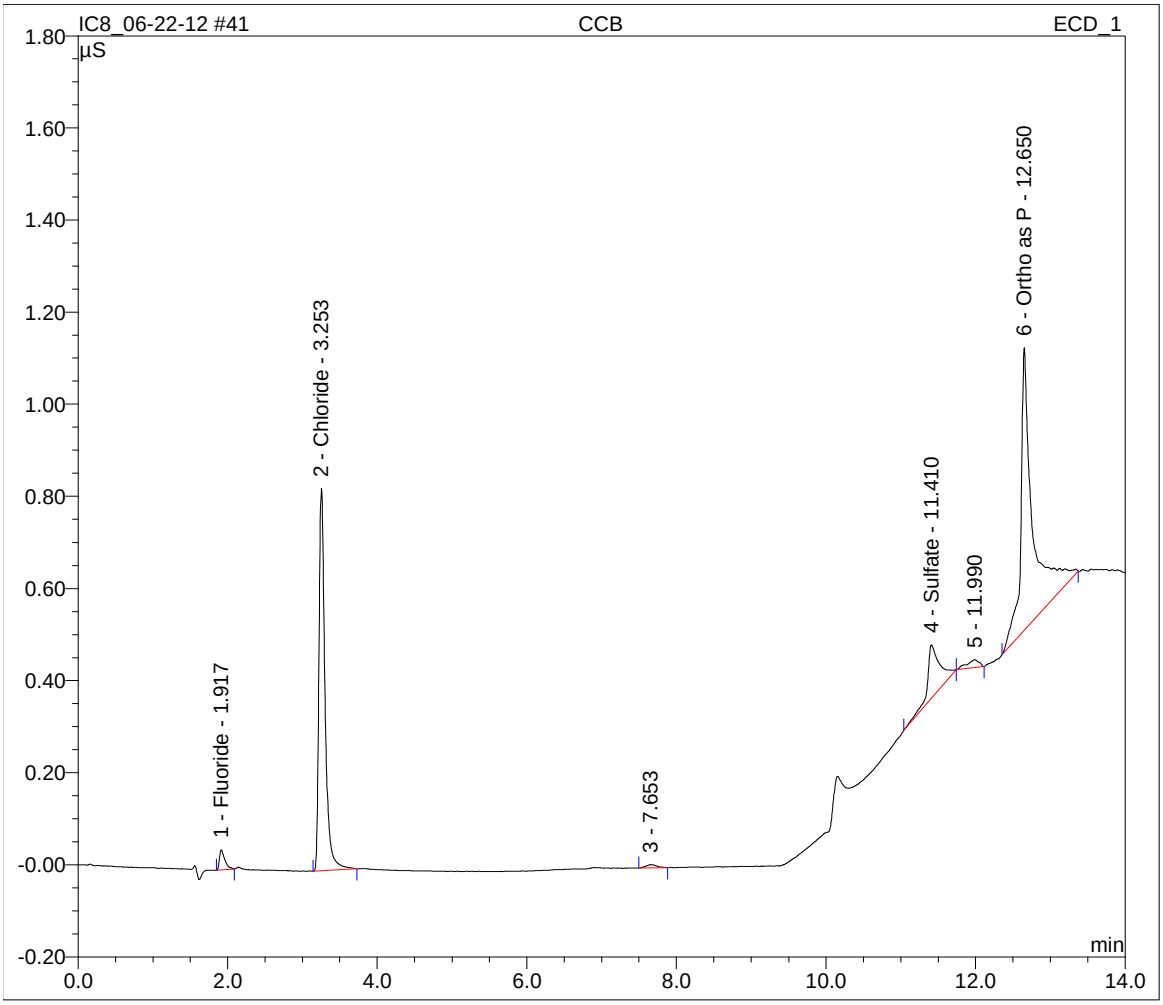
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 18:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.196	13.778	5.1121
2	3.25	Chloride	BMB	3.466	37.007	25.4578
3	3.80	Nitrite	BMB	1.798	14.667	4.9211
4	6.19	Bromide	BMB	0.289	2.103	5.0429
5	6.79	Nitrate	BMB	1.748	9.413	5.0921
6	11.35	Sulfate	BMb	2.848	28.433	26.4406
8	12.61	Ortho as P	BMB	1.079	11.692	5.0900
		TOTAL:		12.42	117.09	77.16



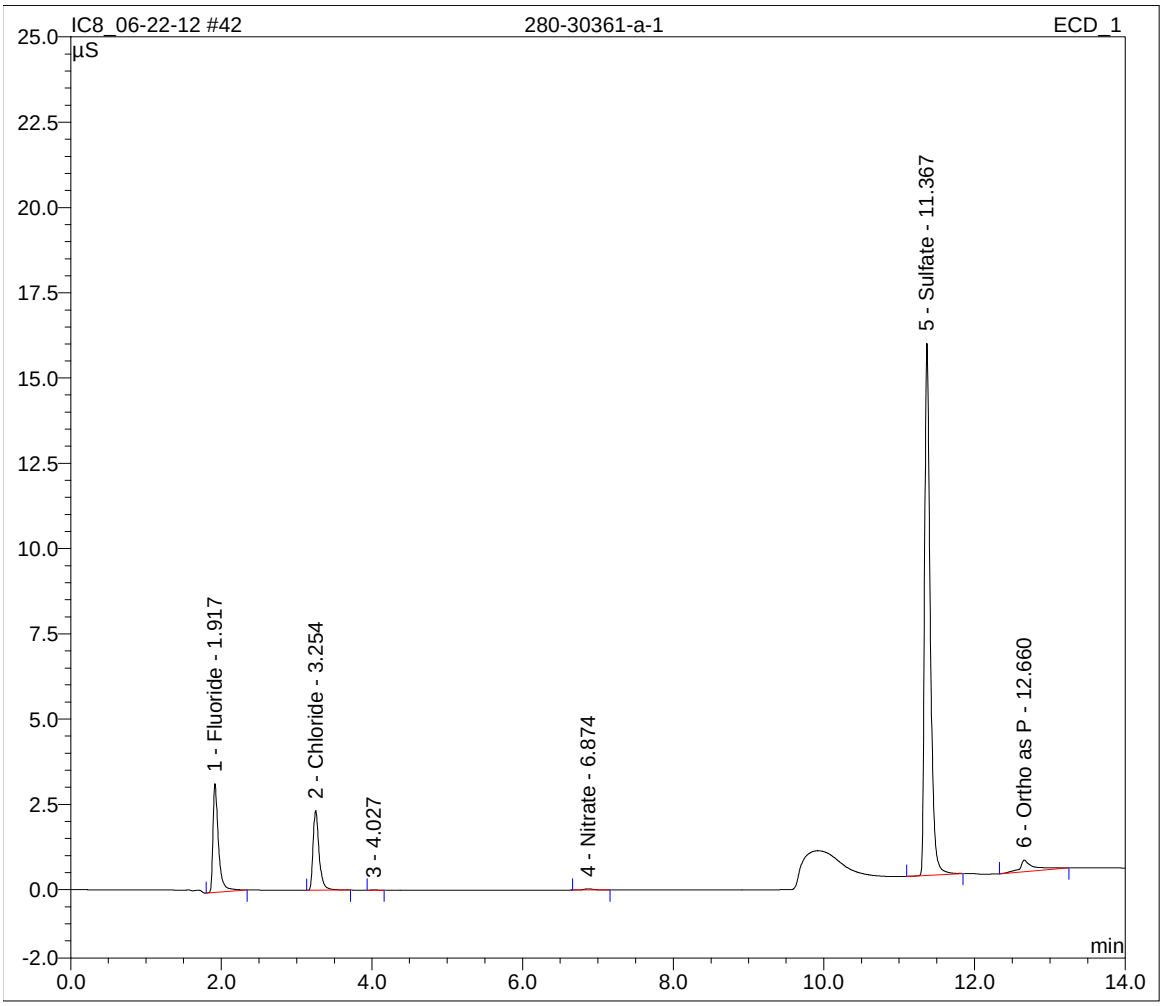
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 18:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.004	0.044	-0.0072
2	3.25	Chloride	BMB	0.078	0.830	0.6364
4	11.41	Sulfate	BMB	0.022	0.117	-0.0904
6	12.65	Ortho as P	BMB	0.115	0.613	-0.0160
		TOTAL:		0.22	1.60	0.52



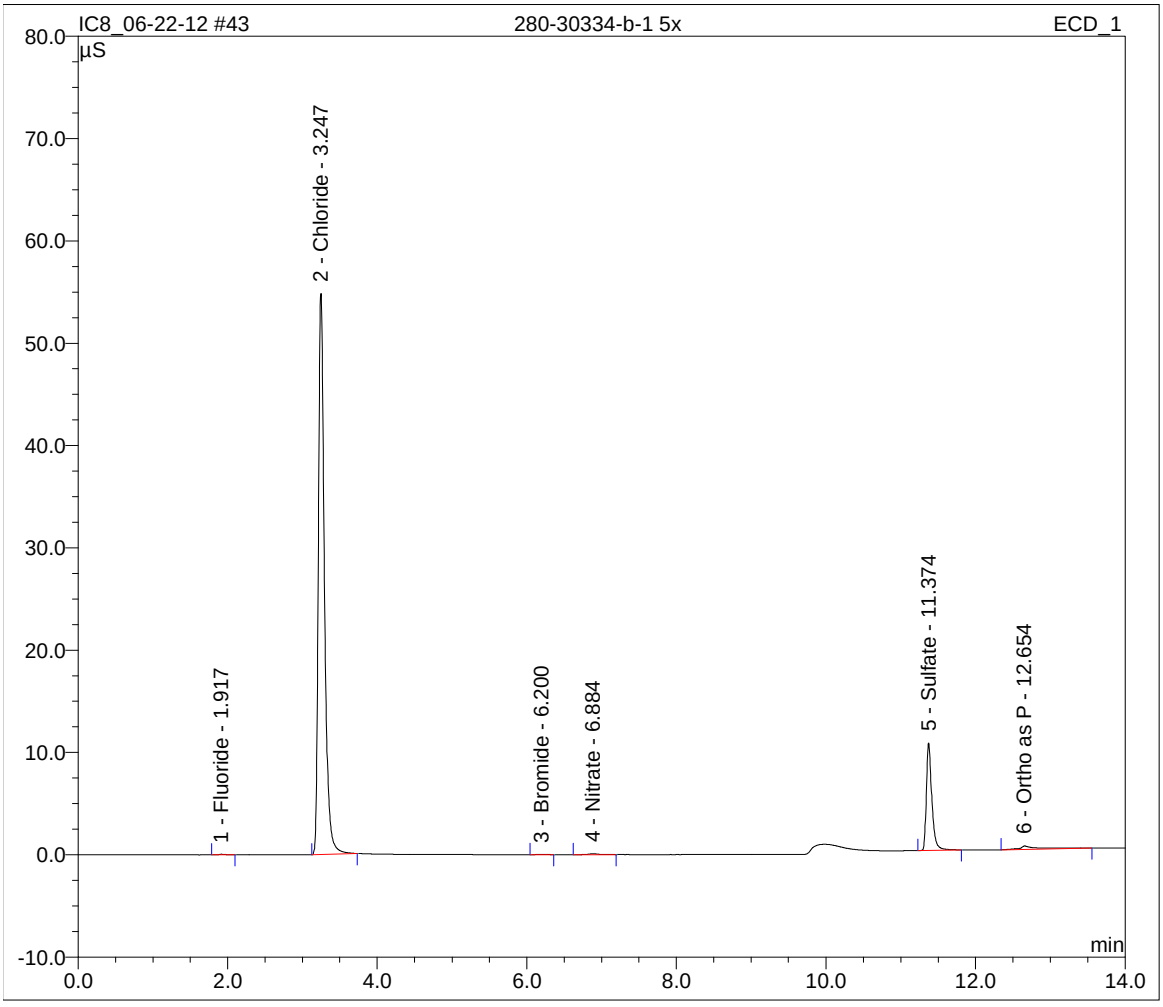
Sample Name:	**280-30361-a-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 18:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.270	3.183	1.1375
2	3.25	Chloride	BMB	0.216	2.329	1.6511
4	6.87	Nitrate	BMB	0.005	0.035	0.0500
5	11.37	Sulfate	BMB	1.360	15.606	12.4751
6	12.66	Ortho as P	BMB	0.073	0.343	-0.2350
		TOTAL:		1.93	21.50	15.08



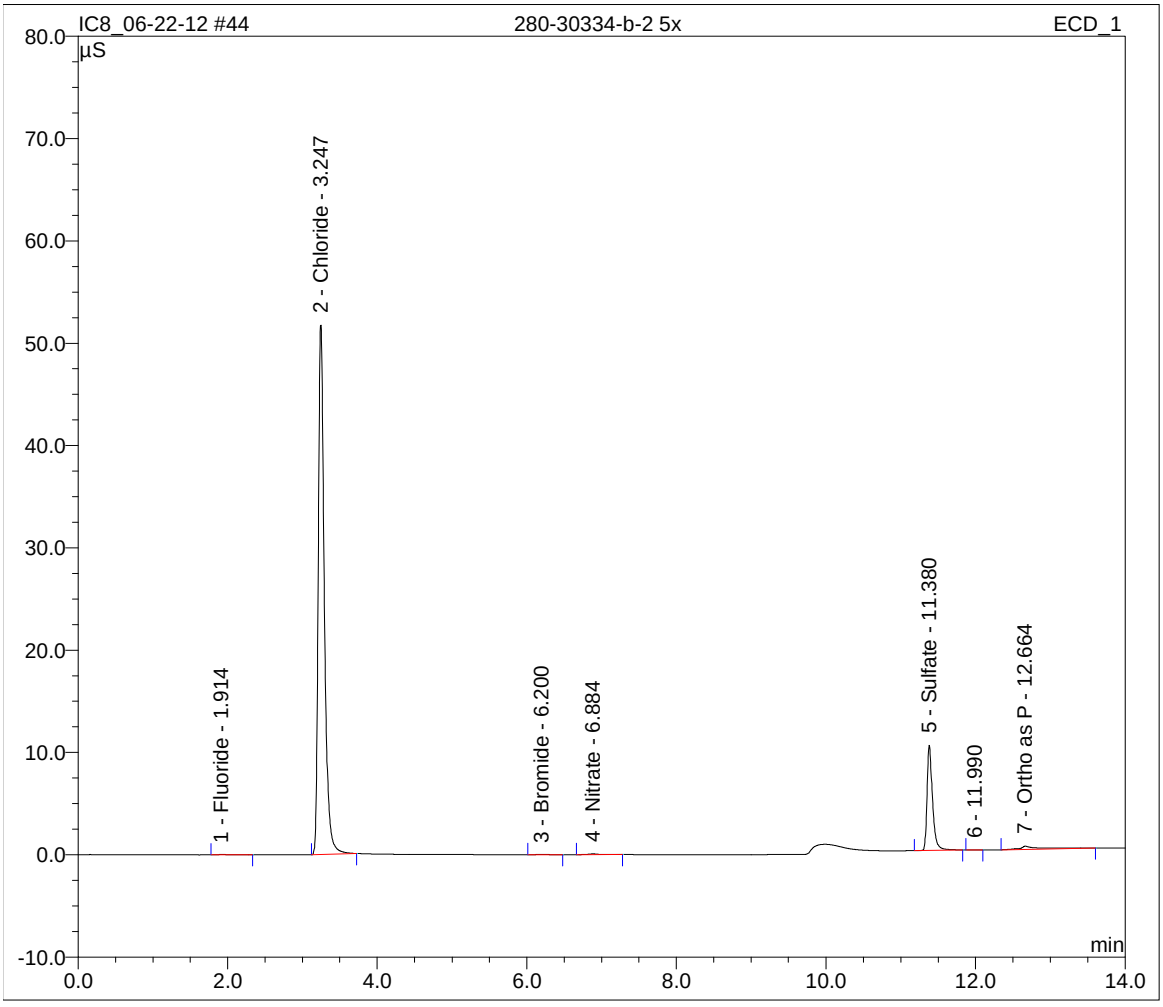
Sample Name:	**280-30334-b-1 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 18:55**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.004	0.052	-0.0191
2	3.25	Chloride	BMB	5.160	54.838	189.3304
3	6.20	Bromide	BMB	0.002	0.018	0.4273
4	6.88	Nitrate	BMB	0.012	0.082	0.3538
5	11.37	Sulfate	BMB	0.888	10.483	40.2309
6	12.65	Ortho as P	BMB	0.098	0.335	-0.5311
		TOTAL:		6.16	65.81	229.79



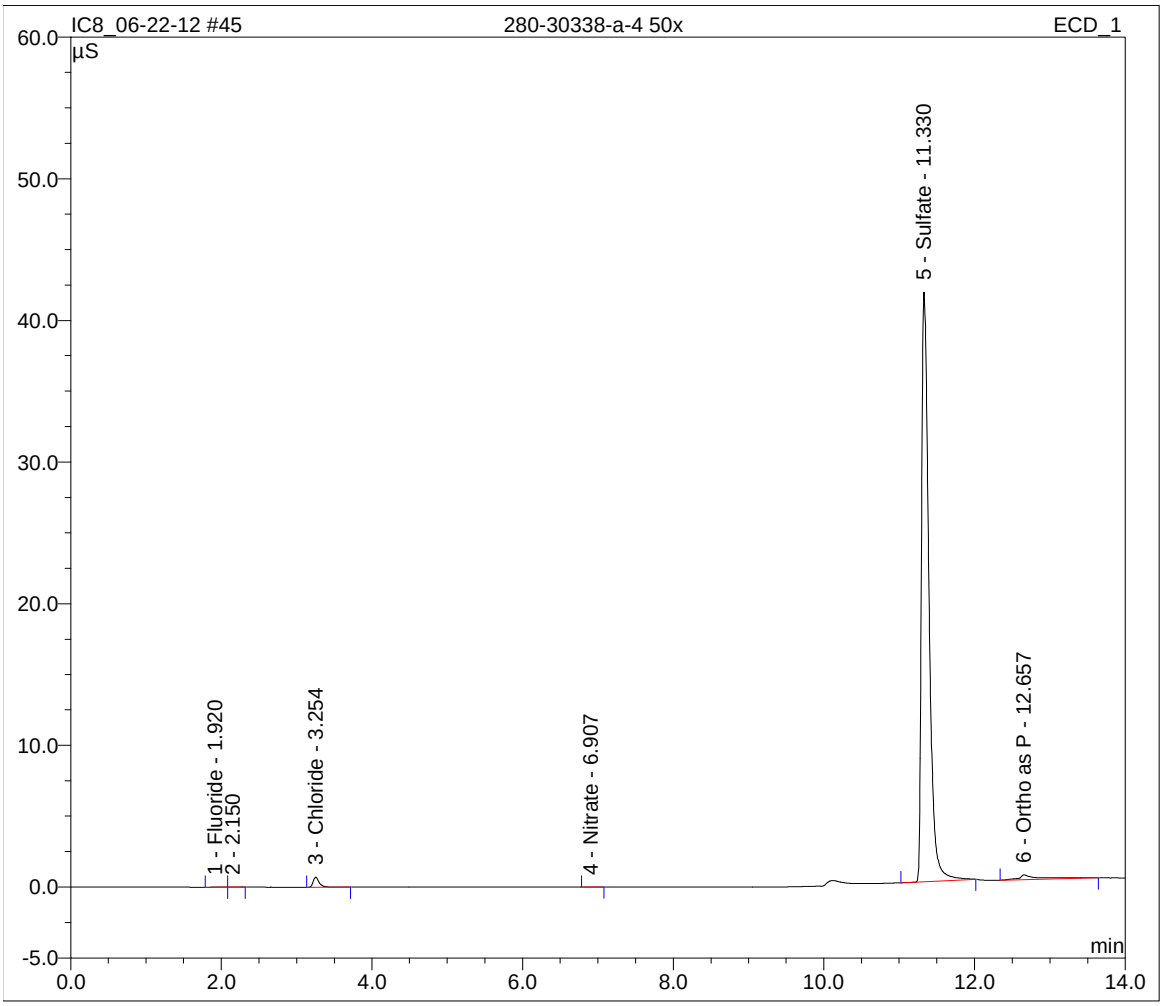
Sample Name:	**280-30334-b-2 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 19:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.042	-0.0129
2	3.25	Chloride	BMB	4.865	51.759	178.5563
3	6.20	Bromide	BMB	0.003	0.018	0.4595
4	6.88	Nitrate	BMB	0.011	0.069	0.3327
5	11.38	Sulfate	BMB	0.869	10.271	39.3246
7	12.66	Ortho as P	BMB	0.099	0.318	-0.4875
		TOTAL:		5.85	62.48	218.17



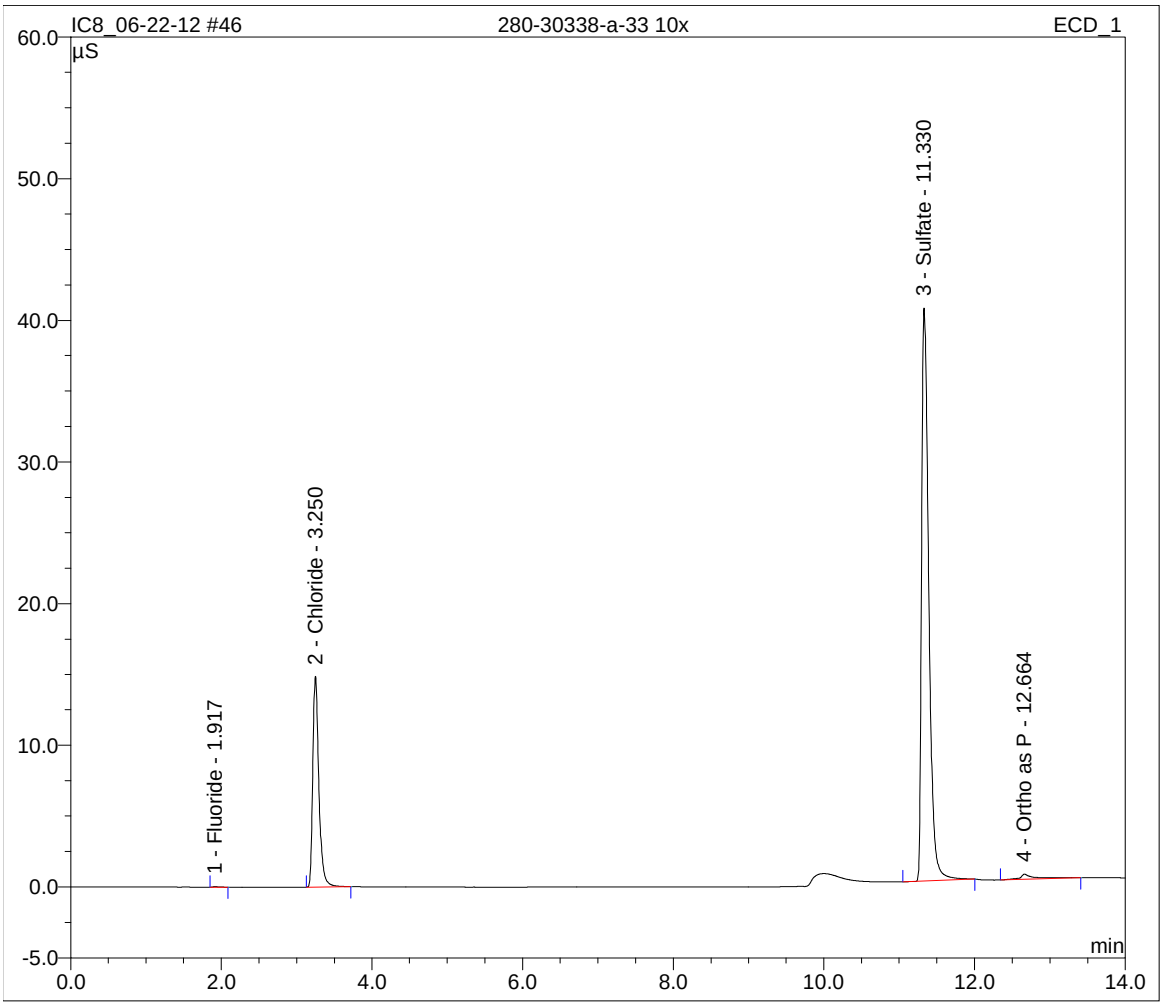
Sample Name:	**280-30338-a-4 50x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 19:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.002	0.017	-0.7653
3	3.25	Chloride	BMB	0.066	0.708	27.2816
4	6.91	Nitrate	BMB	0.001	0.005	1.8145
5	11.33	Sulfate	BMB	4.805	41.633	2240.2203
6	12.66	Ortho as P	BMB	0.106	0.343	-3.1742
		TOTAL:		4.98	42.71	2265.38



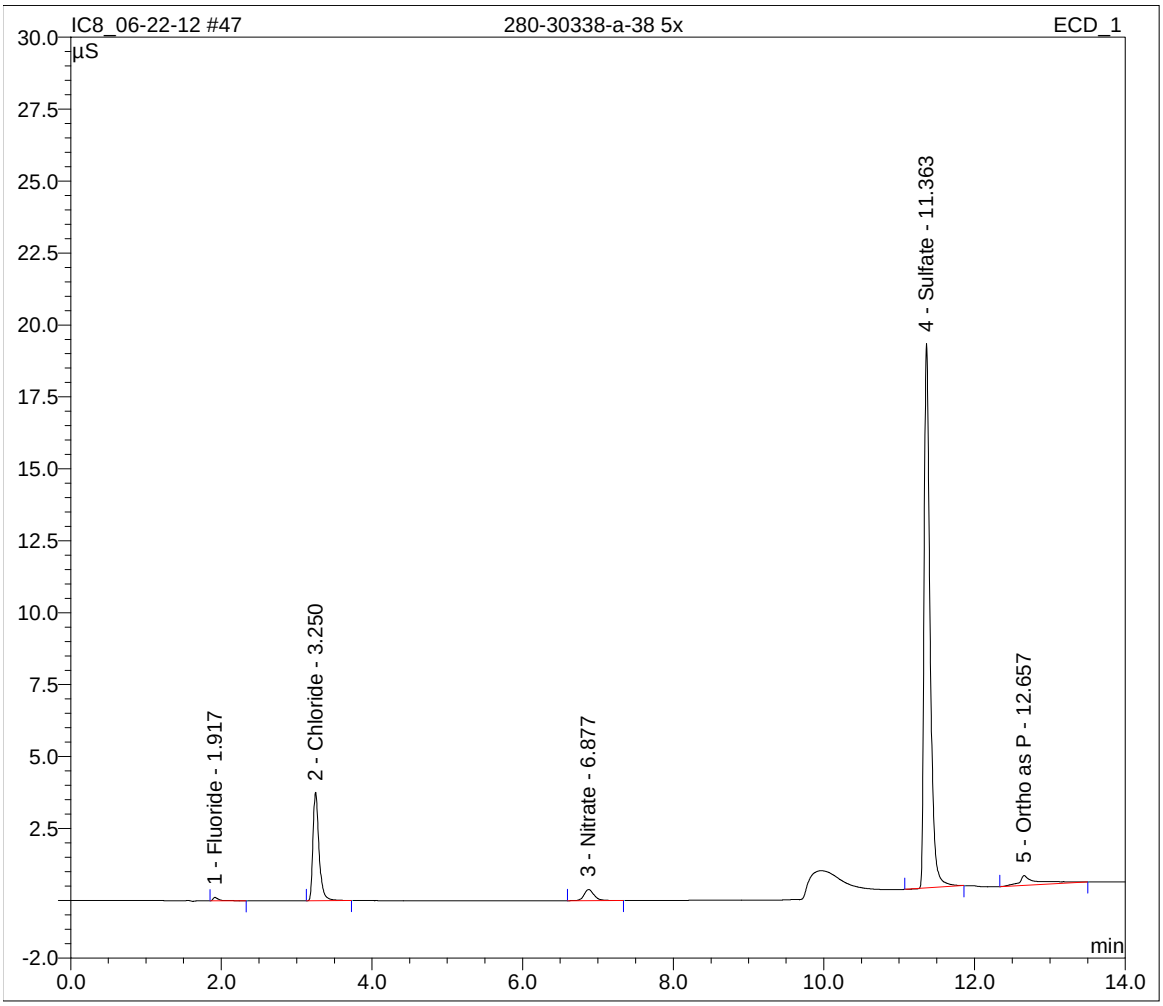
Sample Name:	**280-30338-a-33 10x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**10.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 19:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.003	0.038	-0.1022
2	3.25	Chloride	BMB	1.388	14.881	102.3670
3	11.33	Sulfate	BMB	4.510	40.443	420.3608
4	12.66	Ortho as P	BMB	0.085	0.371	-1.7615
		TOTAL:		5.99	55.73	520.86



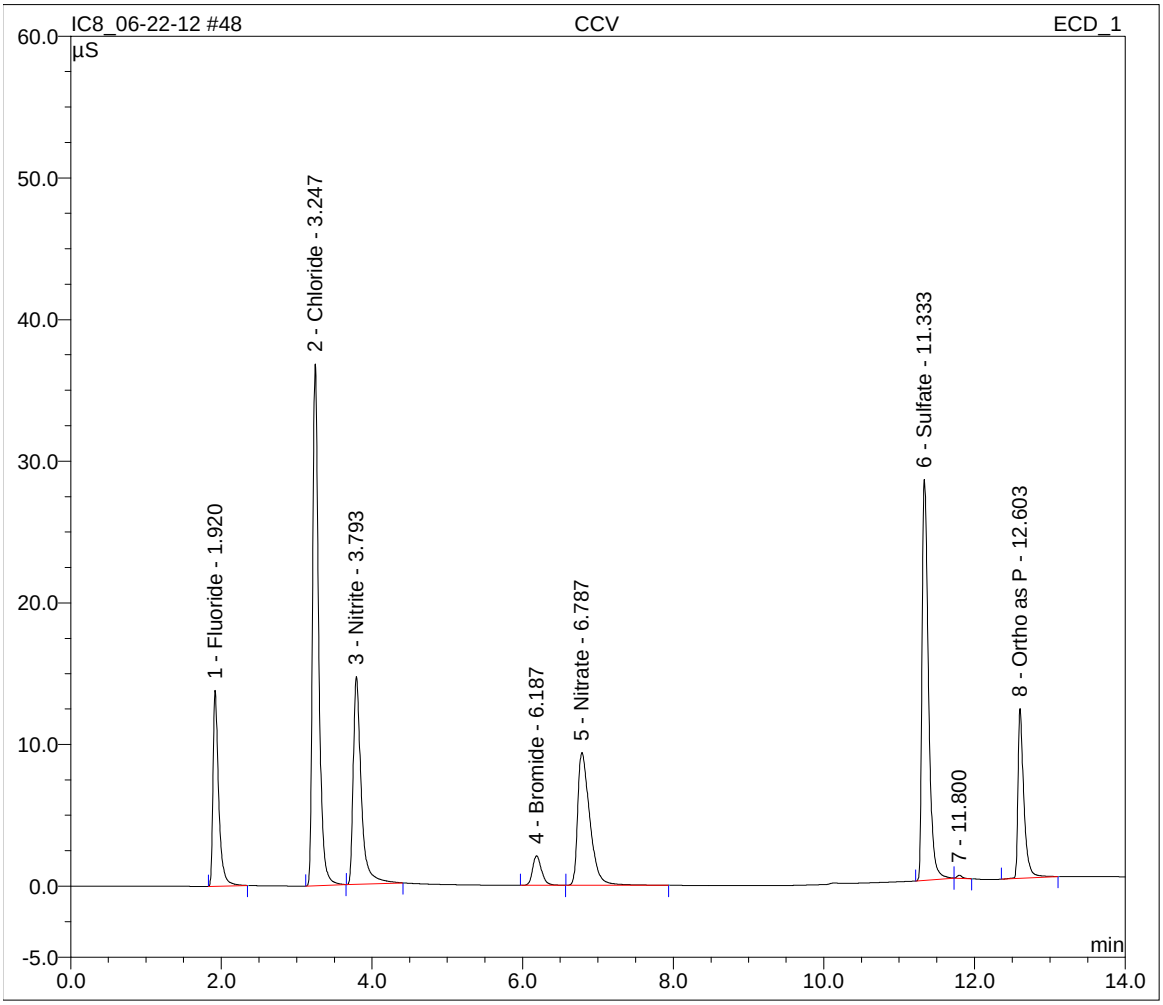
Sample Name:	**280-30338-a-38 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 20:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.010	0.118	0.1008
2	3.25	Chloride	BMB	0.350	3.762	13.1294
3	6.88	Nitrate	BMB	0.059	0.385	1.0241
4	11.36	Sulfate	BMB	1.734	18.925	79.9081
5	12.66	Ortho as P	BMB	0.093	0.342	-0.6558
		TOTAL:		2.25	23.53	93.51



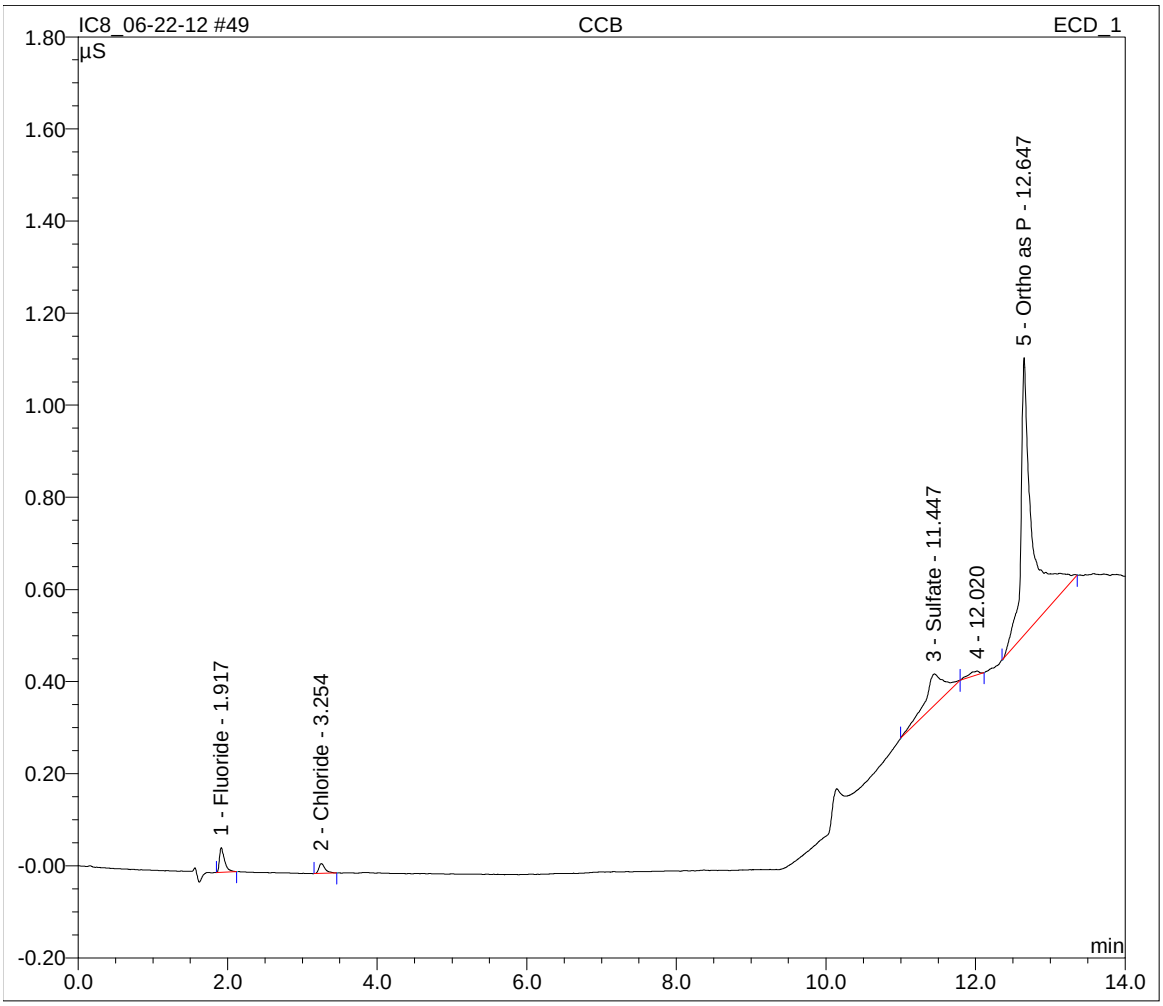
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 20:19**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.200	13.815	5.1311
2	3.25	Chloride	BMB	3.448	36.824	25.3298
3	3.79	Nitrite	BMB	1.797	14.669	4.9191
4	6.19	Bromide	BMB	0.289	2.091	5.0423
5	6.79	Nitrate	BMB	1.745	9.361	5.0835
6	11.33	Sulfate	BMb	2.823	28.311	26.2007
8	12.60	Ortho as P	BMB	1.088	11.978	5.1367
		TOTAL:		12.39	117.05	76.84



Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 20:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.004	0.054	-0.0046
2	3.25	Chloride	BMB	0.002	0.021	0.0802
3	11.45	Sulfate	BMB	0.020	0.069	-0.1079
5	12.65	Ortho as P	BMB	0.109	0.602	-0.0462
TOTAL:				0.14	0.75	-0.08



Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TOC **SOP #** DV-WC-0006

Instrument: SHIZ **Analyst:** D.B. **Analysis Date:** 07-16-12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30456	Aq.		128057	5310B	—
30777					—
30454 7 (R2 07-17-12)					—
30812					—
30334				9060/9060A	Q4
31052					—
30335					Q4
30425					Q4

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			
2. Correlation coefficient ≥ 0.995 ?	✓			
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			
4. ICB analyzed immediately after the ICV & results < the RL	✓			
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			
6. CCB analyzed after every CCV & results < RL?	✓			
7. Absolute value of the intercept is < ± ½ the RL?	✓			
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			
3. All reported results bracketed by in control CCV results?	✓			
4. Sample analyses done within holding time?	✓			
5. Initial pH check documented for all samples? (If Applicable)	✓			
6. Preparation benchsheet completed and included in package?			✓	
7. Client requirements reviewed and met?	✓			
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			
11. Raw data copies prepared, scanned, and uploaded?	✓			
12. Manual integrations done properly and initialed and dated?			✓	
13. STD/True Value information is updated and included?	✓			
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			
2. Method blank < ½ RL or NCM provided?	✓			
3. LCS/LCSD run for batch and within QC limits?	✓			
4. MS/MSD run at required frequency and within limits or NCM written?	✓			
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	

Analyst: D.B. **Date:** 07-17-12

2nd Level Reviewer : [signature] **Date:** 7/17/12

	Analysis	Sample Name	Dilution	Result	Date / Time	Vial
1	NPOC	ICV	1.000	NPOC:18.78ppm	07/16/2012 06:02:11 PM	1
2	NPOC	ICB	1.000	NPOC:0.1213ppm	07/16/2012 06:20:34 PM	2
3	NPOC	LCS	1.000	NPOC:23.80ppm	07/16/2012 06:38:56 PM	3
4	NPOC	LCSD	1.000	NPOC:23.93ppm	07/16/2012 06:56:58 PM	4
5	NPOC	MB	1.000	NPOC:0.1213ppm	07/16/2012 07:15:23 PM	5
6	NPOC	280-30456-c-5	40.00	NPOC:1028ppm	07/16/2012 07:33:21 PM	6
7	NPOC	280-30777-c-1	1.000	NPOC:2.167ppm	07/16/2012 07:51:20 PM	7
8	NPOC	MS 280-30777-c-1	1.000	NPOC:26.12ppm	07/16/2012 08:09:24 PM	8
9	NPOC	MSD 280-30777-c-1	1.000	NPOC:26.15ppm	07/16/2012 08:27:30 PM	9
10	NPOC	280-30777-c-2	1.000	NPOC:5.706ppm	07/16/2012 08:44:13 PM	10
11	NPOC	280-30777-c-3	1.000	NPOC:19.32ppm	07/16/2012 09:04:14 PM	11
12	NPOC	280-30777-c-4	1.000	NPOC:9.588ppm	07/16/2012 09:21:42 PM	12
13	NPOC	280-30777-c-5	1.000	NPOC:0.4266ppm	07/16/2012 09:38:27 PM	13
14	NPOC	280-30777-d-6	1.000	NPOC:0.8379ppm	07/16/2012 09:57:34 PM	14
15	NPOC	280-30777-c-7	1.000	NPOC:1.362ppm	07/16/2012 10:13:22 PM	15
16	NPOC	CCV	1.000	NPOC:24.80ppm	07/16/2012 10:31:47 PM	16
17	NPOC	CCB	1.000	NPOC:0.1213ppm	07/16/2012 10:50:02 PM	17
18	NPOC	280-30777-d-8	1.000	NPOC:2.204ppm	07/16/2012 11:06:06 PM	18
19	NPOC	280-30777-c-9	1.000	NPOC:0.4867ppm	07/16/2012 11:23:07 PM	19
20	NPOC	280-30777-d-10	1.000	NPOC:0.9666ppm	07/16/2012 11:38:39 PM	20
21	NPOC	280-30777-c-11	1.000	NPOC:0.8125ppm	07/16/2012 11:57:49 PM	21
22	NPOC	280-30547-b-8	1.000	NPOC:0.4077ppm	07/17/2012 12:15:42 AM	22
23	NPOC	MS 280-30547-b-8	1.000	NPOC:24.16ppm	07/17/2012 12:33:31 AM	23
24	NPOC	MSD 280-30547-b-8	1.000	NPOC:23.96ppm	07/17/2012 12:51:32 AM	24
25	NPOC	280-30547-b-9	1.000	NPOC:0.6938ppm	07/17/2012 01:10:32 AM	25
26	NPOC	280-30547-b-10	1.000	NPOC:0.9008ppm	07/17/2012 01:27:50 AM	26
27	NPOC	280-30547-b-11	1.000	NPOC:0.7407ppm	07/17/2012 01:43:17 AM	27
28	NPOC	CCV	1.000	NPOC:24.37ppm	07/17/2012 02:01:31 AM	28
29	NPOC	CCB	1.000	NPOC:0.1213ppm	07/17/2012 02:20:00 AM	29
30	NPOC	280-30547-b-12	1.000	NPOC:0.5409ppm	07/17/2012 02:36:52 AM	30
31	NPOC	280-30812-b-1	1.000	NPOC:5.682ppm	07/17/2012 02:53:36 AM	31
32	NPOC	LCS	1.000	NPOC:24.55ppm	07/17/2012 03:12:19 AM	32
33	NPOC	LCSD	1.000	NPOC:24.48ppm	07/17/2012 03:33:15 AM	33
34	NPOC	MB	1.000	NPOC:0.1213ppm	07/17/2012 03:51:38 AM	34
35	NPOC	280-30334-d-1	1.000	NPOC:2.030ppm	07/17/2012 04:09:32 AM	35
36	NPOC	MS 280-30334-d-1	1.000	NPOC:25.54ppm	07/17/2012 04:27:25 AM	36
37	NPOC	MSD 280-30334-d-1	1.000	NPOC:25.55ppm	07/17/2012 04:45:34 AM	37
38	NPOC	280-30334-d-2	1.000	NPOC:2.220ppm	07/17/2012 05:05:30 AM	38
39	NPOC	280-30334-d-3	1.000	NPOC:8.118ppm	07/17/2012 05:22:26 AM	39
40	NPOC	CCV	1.000	NPOC:24.79ppm	07/17/2012 05:40:55 AM	40
41	NPOC	CCB	1.000	NPOC:0.1213ppm	07/17/2012 05:59:24 AM	41
42	NPOC	280-30334-d-4	1.000	NPOC:2.332ppm	07/17/2012 06:15:29 AM	42
43	NPOC	280-31052-a-1	1.000	NPOC:1.884ppm	07/17/2012 06:31:21 AM	43
44	NPOC	280-30335-d-1	1.000	NPOC:2.043ppm	07/17/2012 06:47:21 AM	44
45	NPOC	280-30335-d-2	1.000	NPOC:0.4841ppm	07/17/2012 07:04:09 AM	45
46	NPOC	280-30335-d-3	1.000	NPOC:2.770ppm	07/17/2012 07:20:18 AM	46
47	NPOC	280-30335-d-4	1.000	NPOC:2.180ppm	07/17/2012 07:38:24 AM	47
48	NPOC	280-30335-d-5	1.000	NPOC:2.021ppm	07/17/2012 07:56:24 AM	48
49	NPOC	280-30335-d-6	1.000	NPOC:0.3737ppm	07/17/2012 08:12:50 AM	49
50	NPOC	280-30425-d-1	1.000	NPOC:1.905ppm	07/17/2012 08:28:49 AM	50
51	NPOC	280-30425-d-2	1.000	NPOC:2.184ppm	07/17/2012 08:44:52 AM	51
52	NPOC	CCV	1.000	NPOC:24.76ppm	07/17/2012 09:03:15 AM	52
53	NPOC	CCB	1.000	NPOC:0.2092ppm	07/17/2012 09:21:04 AM	53
54	NPOC	280-30425-d-3	1.000	NPOC:1.090ppm	07/17/2012 09:38:24 AM	54
55	NPOC	280-30425-l-4	1.000	NPOC:0.6940ppm	07/17/2012 09:55:31 AM	55
56	NPOC	MS 280-30425-l-4	1.000	NPOC:24.53ppm	07/17/2012 10:13:33 AM	56
57	NPOC	MSD 280-30425-l-4	1.000	NPOC:24.46ppm	07/17/2012 10:31:29 AM	57
58	NPOC	280-30425-d-5	1.000	NPOC:0.7843ppm	07/17/2012 10:48:43 AM	58
59	NPOC	280-30425-d-6	1.000	NPOC:0.6626ppm	07/17/2012 11:07:31 AM	59
60	NPOC	280-30425-d-7	1.000	NPOC:1.358ppm	07/17/2012 11:26:50 AM	60
61	NPOC	280-30425-d-8	1.000	NPOC:0.2465ppm	07/17/2012 11:40:59 AM	61
62	NPOC	CCV	1.000	NPOC:24.72ppm	07/17/2012 11:59:33 AM	62
63	NPOC	CCB	1.000	NPOC:0.1714ppm	07/17/2012 12:18:04 PM	63

Instr.Information

System	TOC-VCSH(2)
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TOC .met
Status	Completed
Chk. Result	

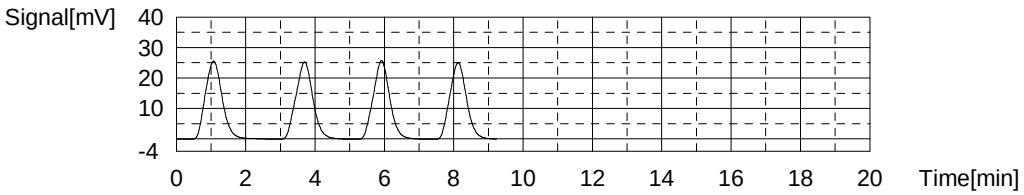
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.78ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.88	18.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 05:54:55 PM
2	86.59	18.93ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 05:57:21 PM
3	85.60	18.71ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 05:59:47 PM
4	84.62	18.50ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:02:11 PM

Mean Area 85.92
Mean Conc. 18.78ppm



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TOC .met
Status	Completed
Chk. Result	

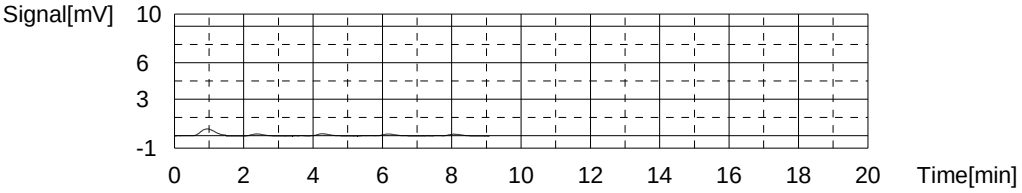
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.409	0.4273ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:12:10 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:14:16 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:16:22 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:18:28 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:20:34 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: LCS
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

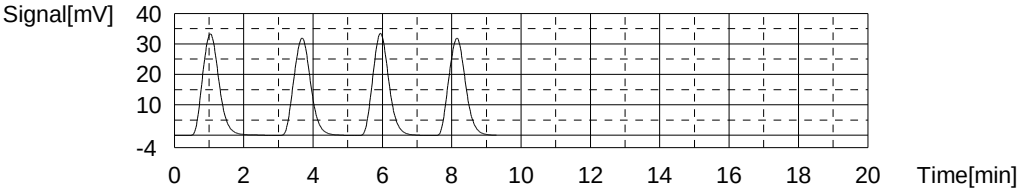
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.80ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	110.6	24.14ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:31:39 PM
2	108.6	23.71ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:34:08 PM
3	108.6	23.71ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:36:32 PM
4	108.2	23.62ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:38:56 PM

Mean Area 109.0
Mean Conc. 23.80ppm



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

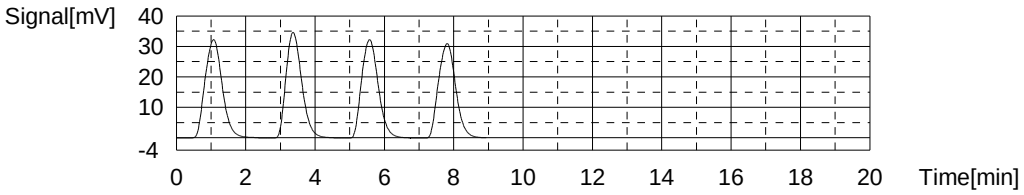
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.93ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.5	24.34ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:49:48 PM
2	110.1	24.03ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:52:10 PM
3	108.8	23.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:54:34 PM
4	108.0	23.58ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:56:58 PM

Mean Area 109.6
Mean Conc. 23.93ppm



Sample

Sample Name: MB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

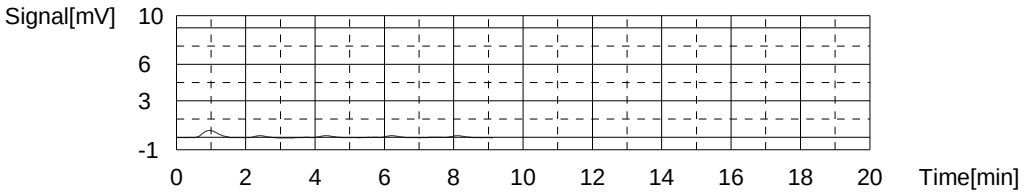
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.578	0.4640ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:06:59 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:09:05 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:11:11 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:13:17 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:15:23 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30456-c-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

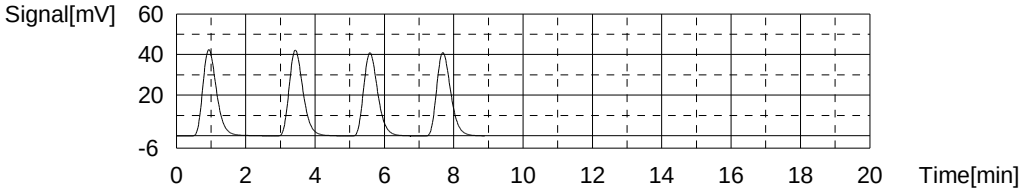
Type	Anal.	Dil.	Result
Unknown	NPOC	40.00	NPOC:1028ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	118.0	1030ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:26:20 PM
2	119.0	1039ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:28:41 PM
3	116.9	1020ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:31:00 PM
4	117.3	1024ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:33:21 PM

Mean Area 117.8
Mean Conc. 1028ppm



Sample

Sample Name: 280-30777-c-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

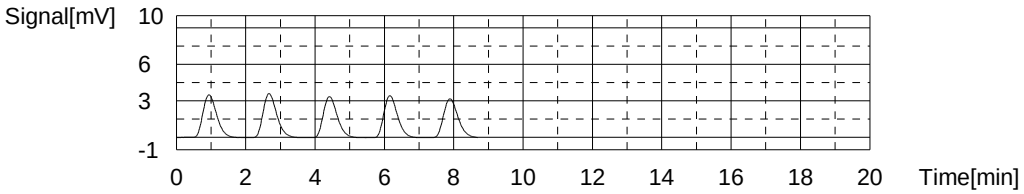
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.167ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.608	2.208ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:43:35 PM
2	9.831	2.257ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:45:31 PM
3	9.387	2.160ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:47:27 PM
4	9.401	2.163ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:49:23 PM
5	9.274	2.136ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:51:20 PM

Mean Area 9.418
Mean Conc. 2.167ppm



Sample

Sample Name: MS 280-30777-c-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

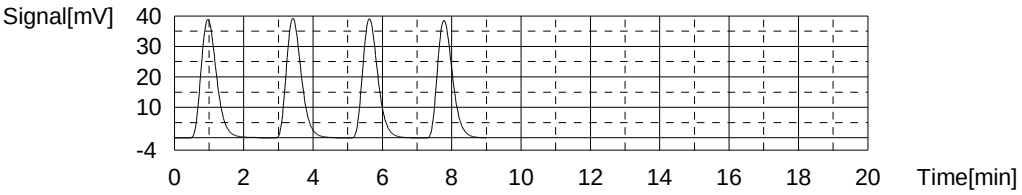
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:26.12ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	121.7	26.55ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:02:17 PM
2	119.2	26.01ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:04:40 PM
3	119.7	26.12ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:07:02 PM
4	118.2	25.79ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:09:24 PM

Mean Area 119.7
Mean Conc. 26.12ppm



Sample

Sample Name: MSD 280-30777-c-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

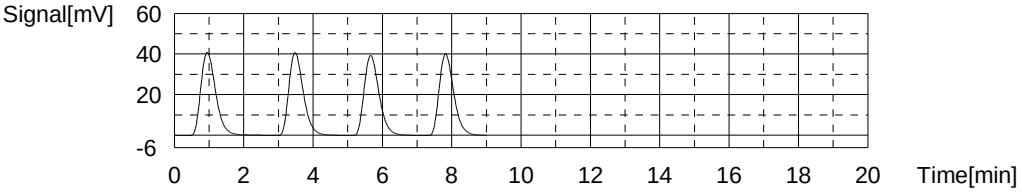
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:26.15ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	122.6	26.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:20:26 PM
2	119.4	26.05ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:22:48 PM
3	119.1	25.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:25:10 PM
4	118.3	25.82ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:27:30 PM

Mean Area 119.9
Mean Conc. 26.15ppm



Sample

Sample Name: 280-30777-c-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

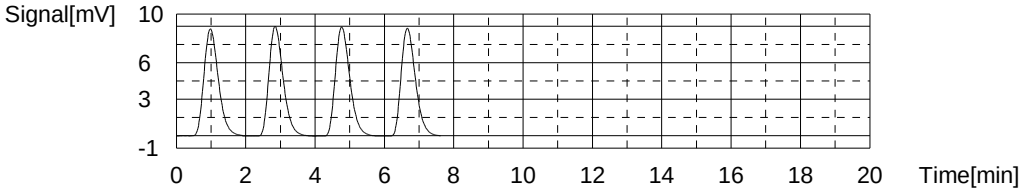
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.706ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	25.39	5.636ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:37:54 PM
2	25.82	5.729ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:40:00 PM
3	26.14	5.799ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:42:07 PM
4	25.50	5.660ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:44:13 PM

Mean Area 25.71
Mean Conc. 5.706ppm



Sample

Sample Name: 280-30777-c-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

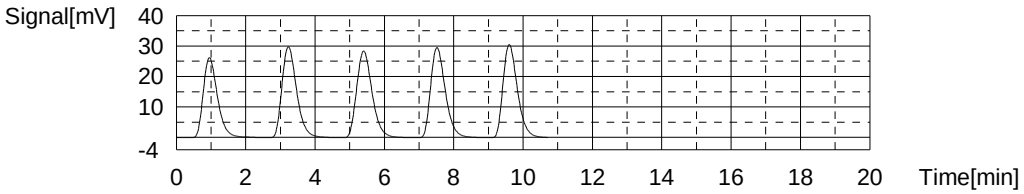
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.32ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	74.87	16.38ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:54:59 PM
2	88.16	19.27ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:57:18 PM
3	88.69	19.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:59:40 PM
4	87.67	19.16ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:01:58 PM
5	89.07	19.47ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:04:14 PM

Mean Area 88.40
Mean Conc. 19.32ppm



Sample

Sample Name: 280-30777-c-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

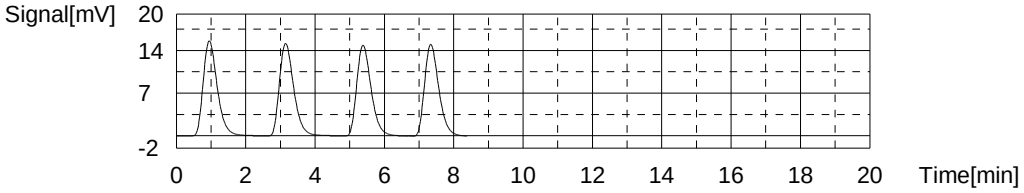
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:9.588ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	44.17	9.715ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:14:55 PM
2	43.76	9.626ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:17:20 PM
3	43.01	9.463ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:19:30 PM
4	43.40	9.547ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:21:42 PM

Mean Area 43.59
Mean Conc. 9.588ppm



Sample

Sample Name: 280-30777-c-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

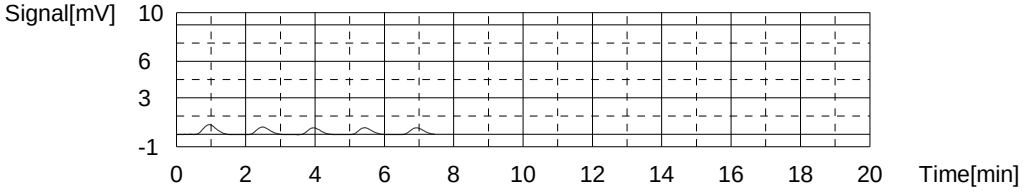
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4266ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.084	0.5739ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:31:45 PM
2	1.514	0.4501ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:33:26 PM
3	1.381	0.4212ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:35:06 PM
4	1.399	0.4251ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:36:47 PM
5	1.328	0.4097ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:38:27 PM

Mean Area 1.406
Mean Conc. 0.4266ppm



Sample

Sample Name: 280-30777-d-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

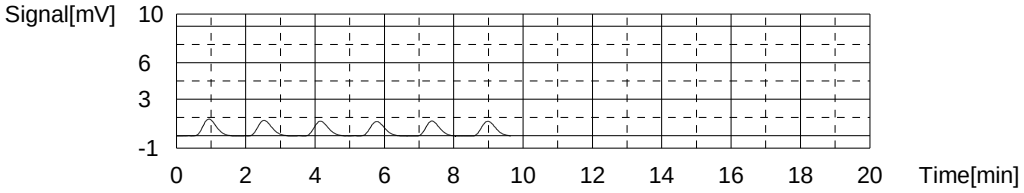
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8379ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.601	0.9034ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:48:31 PM
2	3.544	0.8910ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:50:20 PM
3	3.322	0.8428ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:52:09 PM
4	3.241	0.8252ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:53:58 PM
5	3.298	0.8376ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:55:46 PM
6	3.337	0.8461ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:57:34 PM

Mean Area 3.300
Mean Conc. 0.8379ppm



Sample

Sample Name: 280-30777-c-7
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

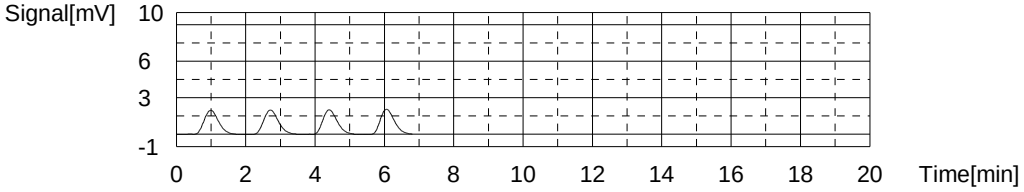
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.362ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.630	1.344ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:07:41 PM
2	5.801	1.381ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:09:37 PM
3	5.672	1.353ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:11:29 PM
4	5.753	1.371ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:13:22 PM

Mean Area 5.714
Mean Conc. 1.362ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

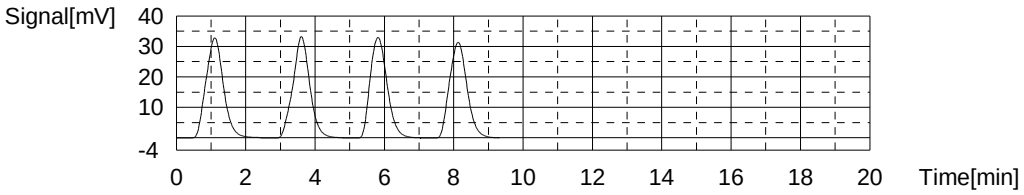
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.80ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	115.4	25.19ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:24:18 PM
2	113.7	24.82ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:26:51 PM
3	113.4	24.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:29:18 PM
4	112.0	24.45ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:31:47 PM

Mean Area 113.6
Mean Conc. 24.80ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

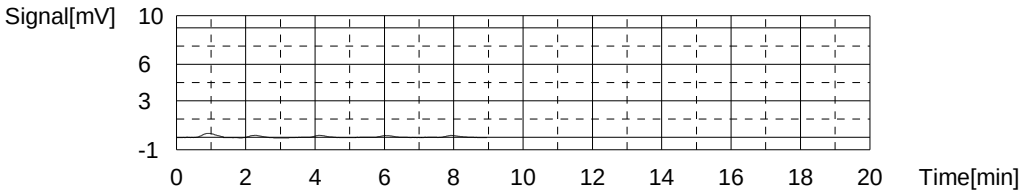
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6884	0.2708ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:41:38 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:43:44 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:45:50 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:47:56 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:50:02 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30777-d-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

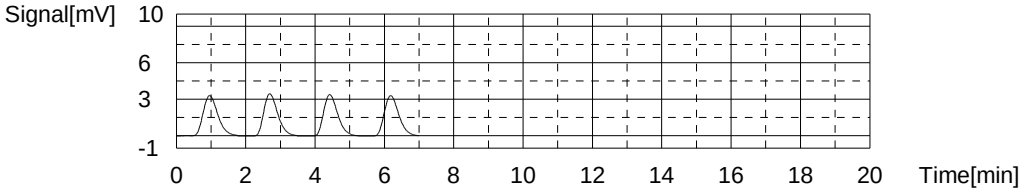
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.204ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.545	2.194ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:00:17 PM
2	9.641	2.215ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:02:12 PM
3	9.563	2.198ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:04:09 PM
4	9.600	2.206ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:06:06 PM

Mean Area 9.587
Mean Conc. 2.204ppm



Sample

Sample Name: 280-30777-c-9
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

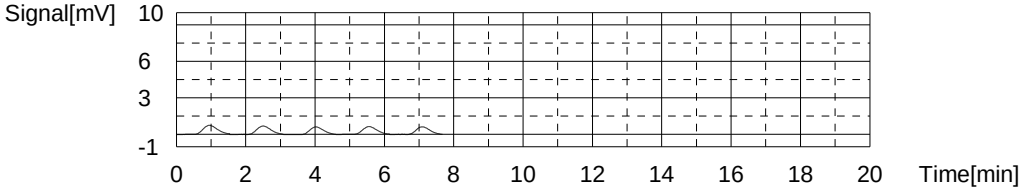
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4867ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.924	0.5392ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:16:08 PM
2	1.824	0.5175ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:17:53 PM
3	1.619	0.4729ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:19:36 PM
4	1.668	0.4836ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:21:24 PM
5	1.619	0.4729ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:23:07 PM

Mean Area 1.683
Mean Conc. 0.4867ppm



Sample

Sample Name: 280-30777-d-10
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

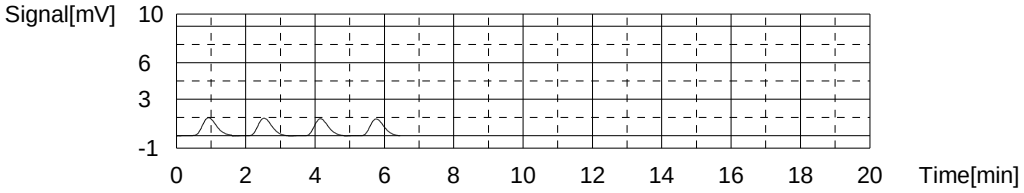
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9666ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.966	0.9827ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:33:12 PM
2	3.965	0.9825ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:35:01 PM
3	3.823	0.9516ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:36:50 PM
4	3.813	0.9494ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:38:39 PM

Mean Area 3.892
Mean Conc. 0.9666ppm



Sample

Sample Name: 280-30777-c-11
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

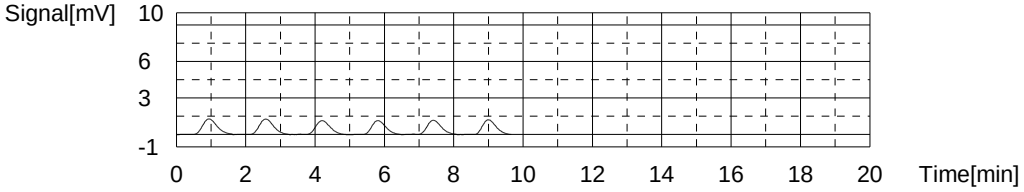
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8125ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.507	0.8830ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:48:46 PM
2	3.508	0.8832ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:50:36 PM
3	3.195	0.8152ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:52:26 PM
4	3.146	0.8046ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:54:13 PM
5	3.184	0.8128ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:56:02 PM
6	3.205	0.8174ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:57:49 PM

Mean Area 3.183
Mean Conc. 0.8125ppm



Sample

Sample Name: 280-30547-b-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

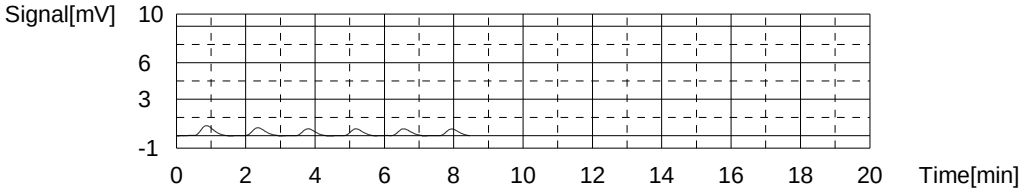
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4077ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.986	0.5526ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:07:42 AM
2	1.594	0.4675ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:09:22 AM
3	1.353	0.4152ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:10:57 AM
4	1.339	0.4121ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:12:32 AM
5	1.310	0.4058ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:14:07 AM
6	1.272	0.3976ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:15:42 AM

Mean Area 1.319
Mean Conc. 0.4077ppm



Sample

Sample Name: MS 280-30547-b-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

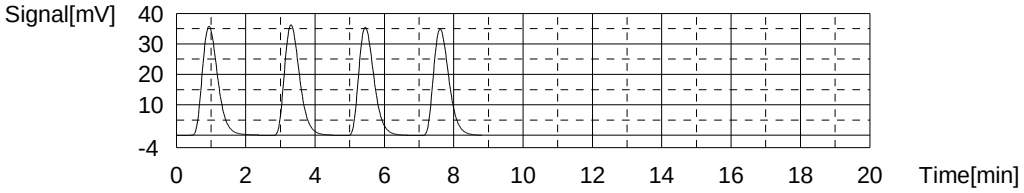
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.16ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.7	24.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:26:28 AM
2	111.8	24.40ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:28:49 AM
3	109.9	23.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:31:10 AM
4	109.3	23.86ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:33:31 AM

Mean Area 110.7
Mean Conc. 24.16ppm



Sample

Sample Name: MSD 280-30547-b-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

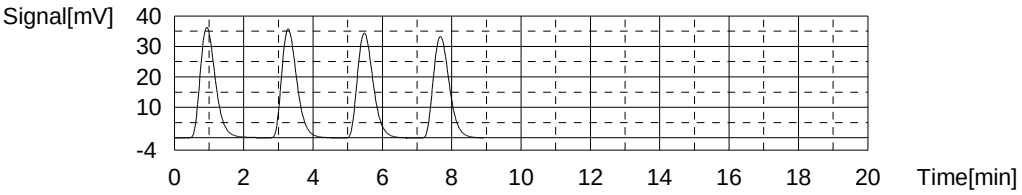
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.96ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.6	24.36ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:44:22 AM
2	109.7	23.95ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:46:44 AM
3	109.9	23.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:49:07 AM
4	107.9	23.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:51:32 AM

Mean Area 109.8
Mean Conc. 23.96ppm



Sample

Sample Name: 280-30547-b-9
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

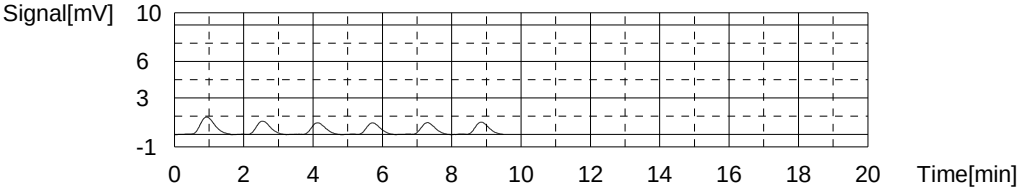
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6938ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.924	0.9736ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:01:39 AM
2	2.986	0.7698ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:03:26 AM
3	2.653	0.6975ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:05:13 AM
4	2.621	0.6906ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:07:00 AM
5	2.613	0.6888ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:08:46 AM
6	2.657	0.6984ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:10:32 AM

Mean Area 2.636
Mean Conc. 0.6938ppm



Sample

Sample Name: 280-30547-b-10
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

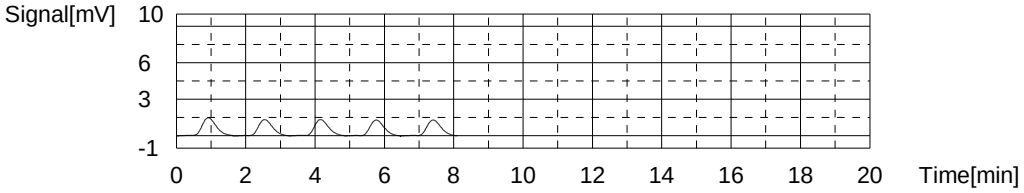
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9008ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.911	0.9707ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:20:33 AM
2	3.619	0.9073ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:22:22 AM
3	3.582	0.8993ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:24:10 AM
4	3.585	0.8999ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:26:00 AM
5	3.570	0.8967ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:27:50 AM

Mean Area 3.589
Mean Conc. 0.9008ppm



Sample

Sample Name: 280-30547-b-11
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

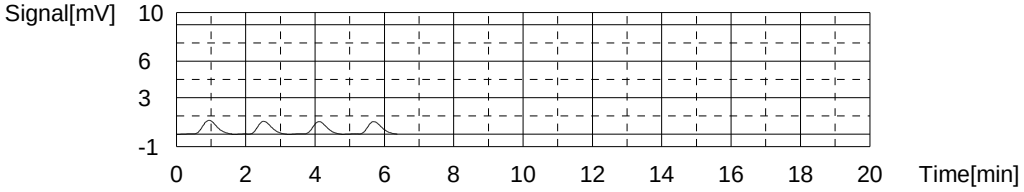
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7407ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.989	0.7705ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:37:55 AM
2	2.808	0.7312ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:39:42 AM
3	2.787	0.7266ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:41:29 AM
4	2.824	0.7346ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:43:17 AM

Mean Area 2.852
Mean Conc. 0.7407ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

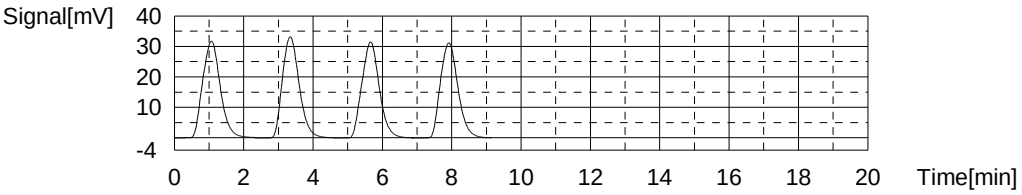
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.37ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.6	24.58ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:54:06 AM
2	112.6	24.58ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:56:33 AM
3	110.8	24.19ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:59:03 AM
4	110.5	24.12ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:01:31 AM

Mean Area 111.6
Mean Conc. 24.37ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

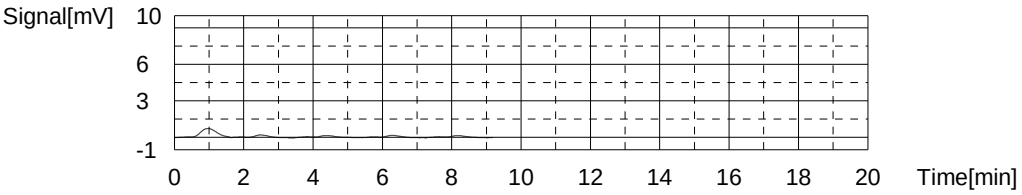
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.044	0.5652ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:11:36 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:13:42 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:15:48 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:17:54 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:20:00 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30547-b-12
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

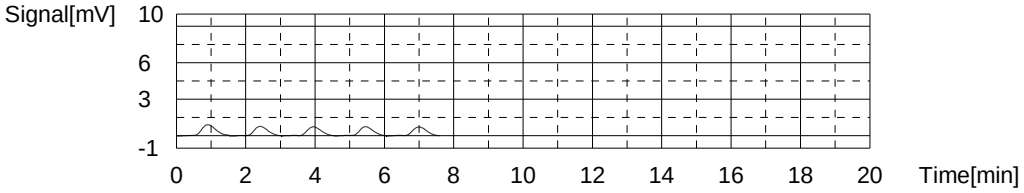
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5409ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.313	0.6237ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:30:00 AM
2	2.017	0.5594ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:31:43 AM
3	1.933	0.5411ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:33:26 AM
4	1.878	0.5292ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:35:09 AM
5	1.900	0.5340ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:36:52 AM

Mean Area 1.932
Mean Conc. 0.5409ppm



Sample

Sample Name: 280-30812-b-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

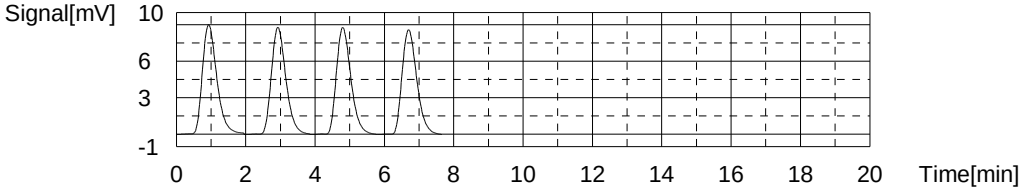
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.682ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	25.81	5.727ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:47:18 AM
2	25.62	5.686ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:49:24 AM
3	25.57	5.675ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:51:30 AM
4	25.42	5.642ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:53:36 AM

Mean Area 25.61
Mean Conc. 5.682ppm



Sample

Sample Name: LCS
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

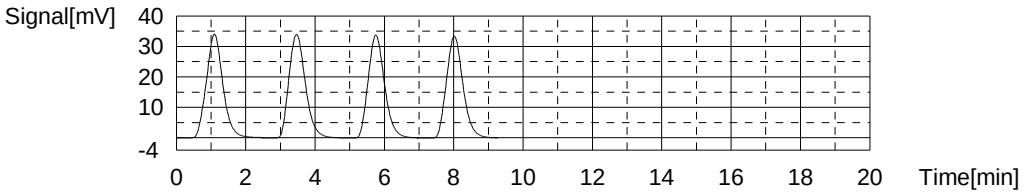
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.55ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.6	24.79ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:04:54 AM
2	112.8	24.62ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:07:21 AM
3	111.8	24.40ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:09:48 AM
4	111.7	24.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:12:19 AM

Mean Area 112.5
Mean Conc. 24.55ppm



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

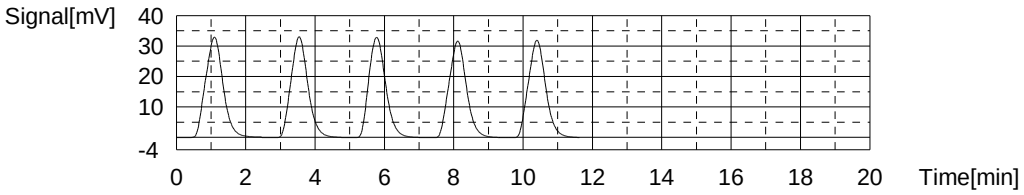
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.48ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	116.6	25.45ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:23:18 AM
2	113.2	24.71ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:25:47 AM
3	112.3	24.51ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:28:15 AM
4	111.2	24.27ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:30:44 AM
5	112.0	24.45ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:33:15 AM

Mean Area 112.2
Mean Conc. 24.48ppm



Sample

Sample Name: MB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

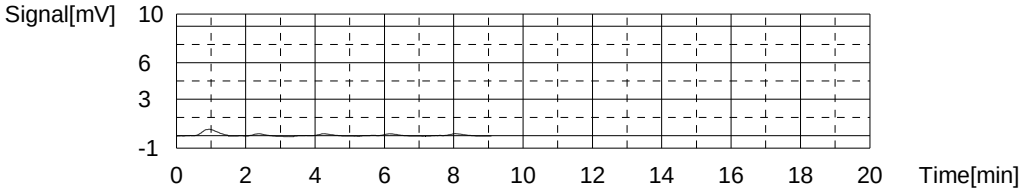
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.405	0.4265ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:43:14 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:45:20 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:47:26 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:49:32 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:51:38 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30334-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

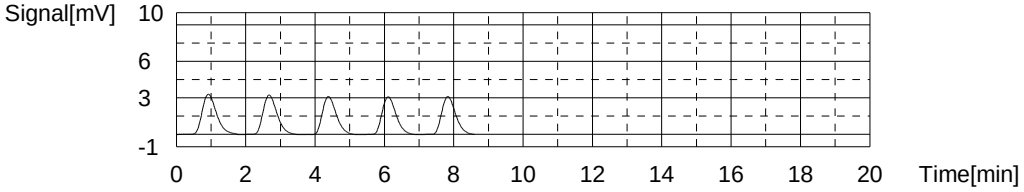
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.030ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.234	2.127ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:01:53 AM
2	9.022	2.081ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:03:48 AM
3	8.701	2.011ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:05:43 AM
4	8.705	2.012ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:07:38 AM
5	8.730	2.017ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:09:32 AM

Mean Area 8.790
Mean Conc. 2.030ppm



Sample

Sample Name: MS 280-30334-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

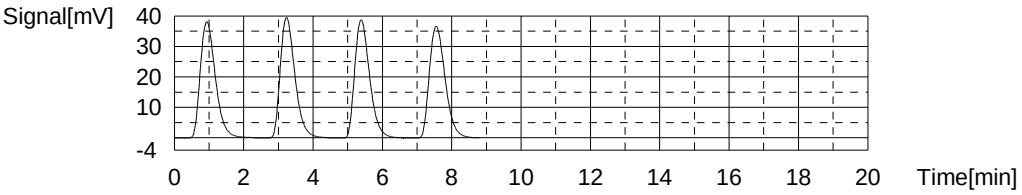
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.54ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	116.6	25.45ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:20:21 AM
2	117.2	25.58ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:22:41 AM
3	117.0	25.53ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:25:02 AM
4	117.3	25.60ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:27:25 AM

Mean Area 117.0
Mean Conc. 25.54ppm



Sample

Sample Name: MSD 280-30334-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

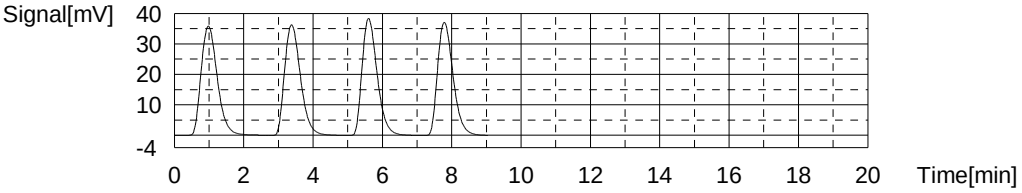
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.55ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	117.1	25.55ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:38:21 AM
2	116.9	25.51ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:40:48 AM
3	117.5	25.64ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:43:10 AM
4	116.9	25.51ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:45:34 AM

Mean Area 117.1
Mean Conc. 25.55ppm



Sample

Sample Name: 280-30334-d-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

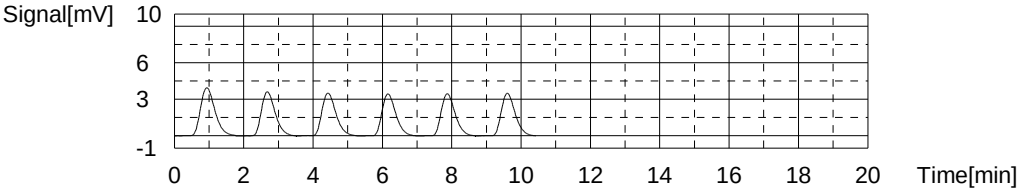
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.220ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.24	2.563ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:55:51 AM
2	10.00	2.293ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:57:48 AM
3	9.777	2.245ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:59:44 AM
4	9.497	2.184ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:01:38 AM
5	9.687	2.225ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:03:34 AM
6	9.699	2.228ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:05:30 AM

Mean Area 9.665
Mean Conc. 2.220ppm



Sample

Sample Name: 280-30334-d-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

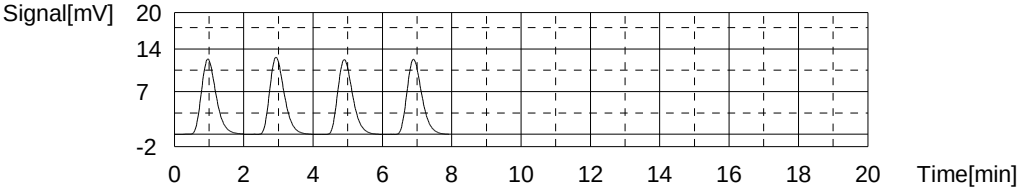
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.118ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.33	8.012ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:15:54 AM
2	37.30	8.223ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:18:04 AM
3	36.78	8.110ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:20:15 AM
4	36.87	8.129ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:22:26 AM

Mean Area 36.82
Mean Conc. 8.118ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

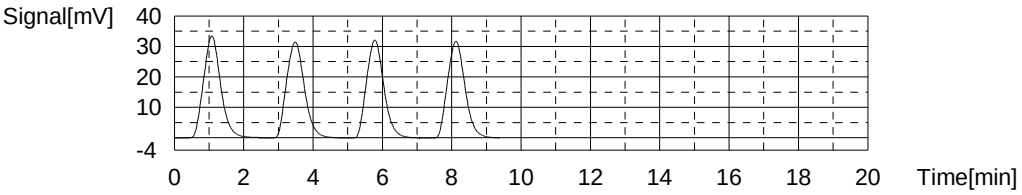
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.79ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	115.6	25.23ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:33:22 AM
2	113.4	24.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:35:52 AM
3	112.9	24.64ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:38:24 AM
4	112.5	24.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:40:55 AM

Mean Area 113.6
Mean Conc. 24.79ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

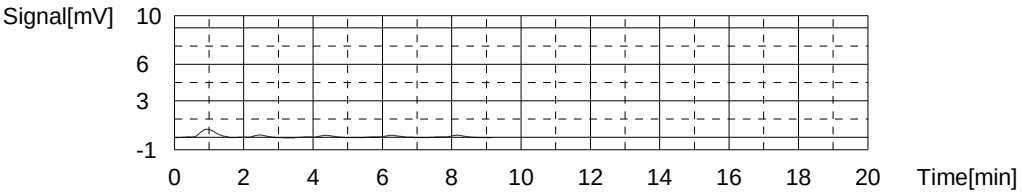
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.867	0.5268ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:51:00 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:53:06 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:55:12 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:57:18 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:59:24 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30334-d-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

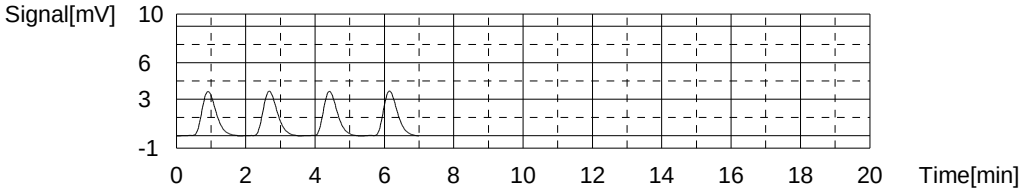
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.332ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.09	2.313ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:09:39 AM
2	10.32	2.363ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:11:36 AM
3	10.08	2.311ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:13:32 AM
4	10.23	2.343ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:15:29 AM

Mean Area 10.18
Mean Conc. 2.332ppm



Sample

Sample Name: 280-31052-a-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

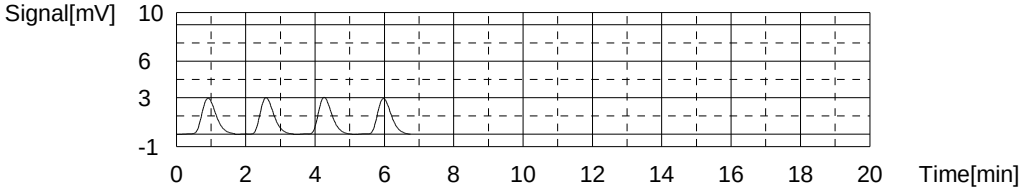
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.884ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.124	1.886ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:25:41 AM
2	8.165	1.895ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:27:34 AM
3	8.146	1.891ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:29:28 AM
4	8.026	1.864ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:31:21 AM

Mean Area 8.115
Mean Conc. 1.884ppm



Sample

Sample Name: 280-30335-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

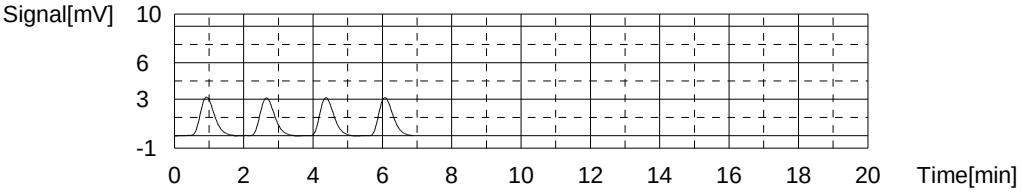
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.043ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.815	2.036ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:41:35 AM
2	8.910	2.056ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:43:31 AM
3	8.784	2.029ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:45:25 AM
4	8.875	2.049ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:47:21 AM

Mean Area 8.846
Mean Conc. 2.043ppm



Sample

Sample Name: 280-30335-d-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

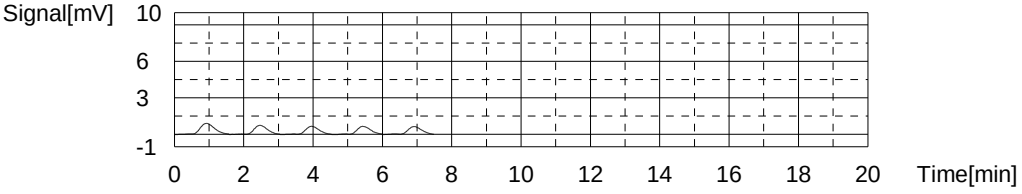
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4841ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.364	0.6347ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:57:26 AM
2	1.812	0.5148ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:59:07 AM
3	1.641	0.4777ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:00:48 AM
4	1.606	0.4701ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:02:28 AM
5	1.623	0.4738ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:04:09 AM

Mean Area 1.671
Mean Conc. 0.4841ppm



Sample

Sample Name: 280-30335-d-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

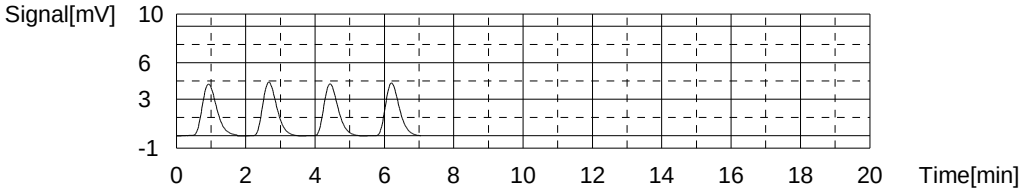
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.770ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.08	2.745ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:14:24 AM
2	12.50	2.836ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:16:22 AM
3	12.12	2.754ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:18:20 AM
4	12.09	2.747ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:20:18 AM

Mean Area 12.20
Mean Conc. 2.770ppm



Sample

Sample Name: 280-30335-d-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

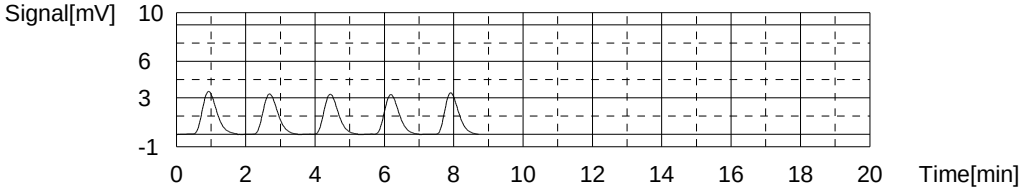
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.180ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.957	2.284ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:30:34 AM
2	9.665	2.220ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:32:31 AM
3	9.392	2.161ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:34:27 AM
4	9.410	2.165ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:36:25 AM
5	9.440	2.172ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:38:24 AM

Mean Area 9.477
Mean Conc. 2.180ppm



Sample

Sample Name: 280-30335-d-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

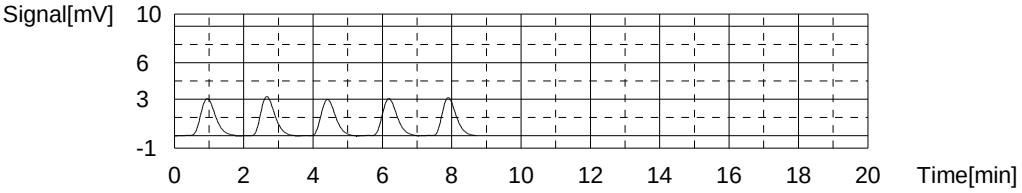
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.021ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.768	2.026ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:48:39 AM
2	9.032	2.083ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:50:34 AM
3	8.612	1.992ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:52:32 AM
4	8.888	2.052ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:54:29 AM
5	8.726	2.017ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:56:24 AM

Mean Area 8.748
Mean Conc. 2.021ppm



Sample

Sample Name: 280-30335-d-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

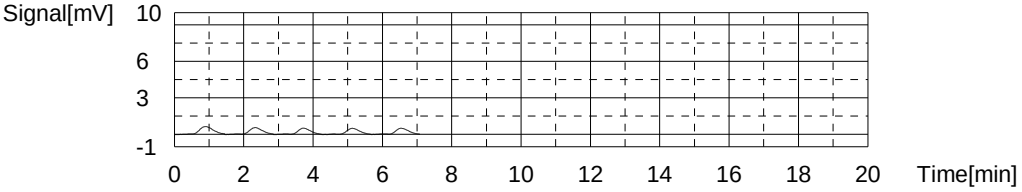
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3737ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.510	0.4493ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:06:22 AM
2	1.260	0.3950ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:07:58 AM
3	1.153	0.3717ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:09:34 AM
4	1.125	0.3656ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:11:12 AM
5	1.111	0.3626ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:12:50 AM

Mean Area 1.162
Mean Conc. 0.3737ppm



Sample

Sample Name: 280-30425-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

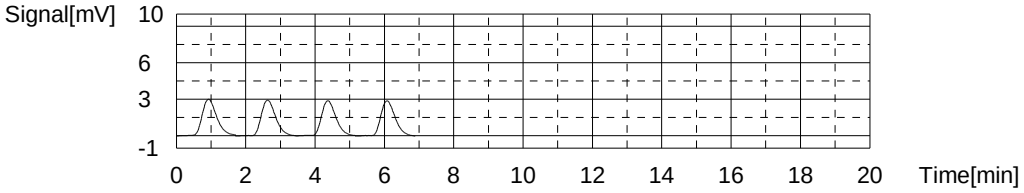
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.905ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.293	1.922ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:23:02 AM
2	8.362	1.937ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:24:58 AM
3	8.051	1.870ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:26:53 AM
4	8.150	1.891ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:28:49 AM

Mean Area 8.214
Mean Conc. 1.905ppm



Sample

Sample Name: 280-30425-d-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

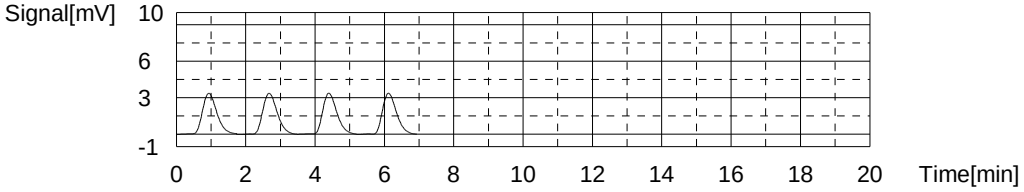
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.184ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.395	2.162ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:39:04 AM
2	9.695	2.227ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:41:01 AM
3	9.421	2.167ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:42:56 AM
4	9.480	2.180ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:44:52 AM

Mean Area 9.498
Mean Conc. 2.184ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

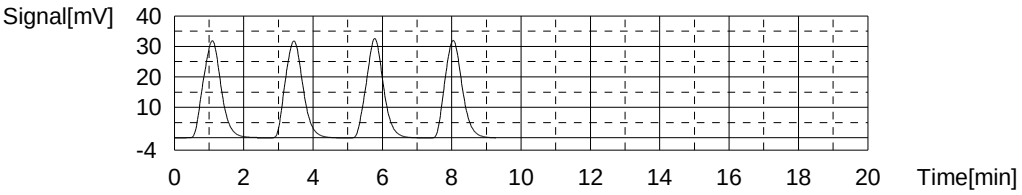
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.76ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	114.6	25.01ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:55:46 AM
2	113.6	24.79ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:58:15 AM
3	113.4	24.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:00:46 AM
4	112.2	24.49ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:03:15 AM

Mean Area 113.5
Mean Conc. 24.76ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

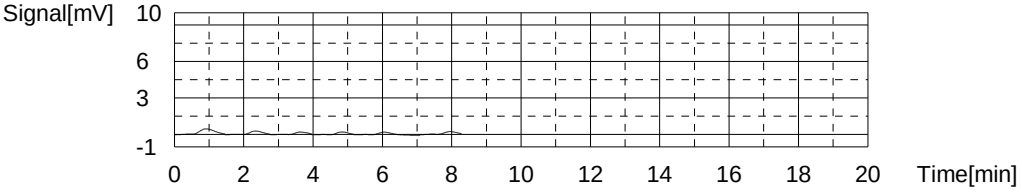
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2092ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.116	0.3637ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:13:14 AM
2	0.5856	0.2485ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:14:44 AM
3	0.2859	0.1834ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:16:08 AM
4	0.3746	0.2027ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:17:33 AM
5	0.000	0.1213ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:19:39 AM
6	0.3720	0.2021ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:21:04 AM

Mean Area 0.4045
Mean Conc. 0.2092ppm



Sample

Sample Name: 280-30425-d-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

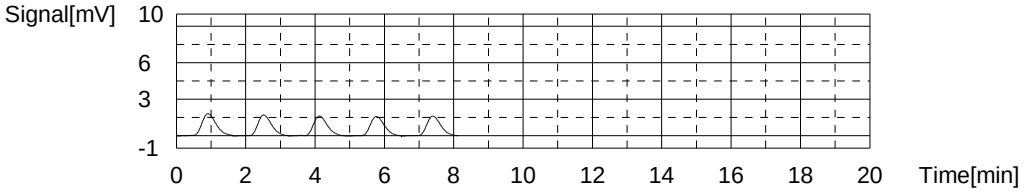
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.090ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.846	1.174ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:31:06 AM
2	4.580	1.116ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:32:54 AM
3	4.430	1.083ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:34:44 AM
4	4.440	1.086ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:36:34 AM
5	4.393	1.075ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:38:24 AM

Mean Area 4.461
Mean Conc. 1.090ppm



Sample

Sample Name: 280-30425-I-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

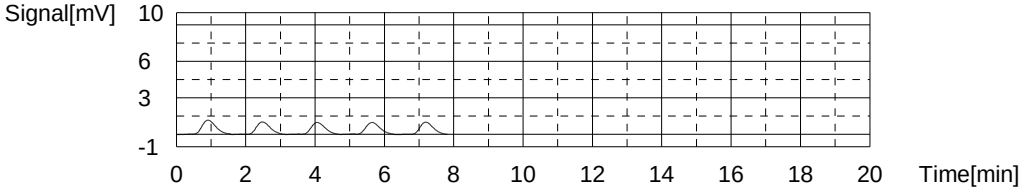
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6940ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.011	0.7753ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:48:28 AM
2	2.685	0.7045ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:50:14 AM
3	2.667	0.7005ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:52:01 AM
4	2.620	0.6903ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:53:47 AM
5	2.576	0.6808ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:55:31 AM

Mean Area 2.637
Mean Conc. 0.6940ppm



Sample

Sample Name: MS 280-30425-I-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

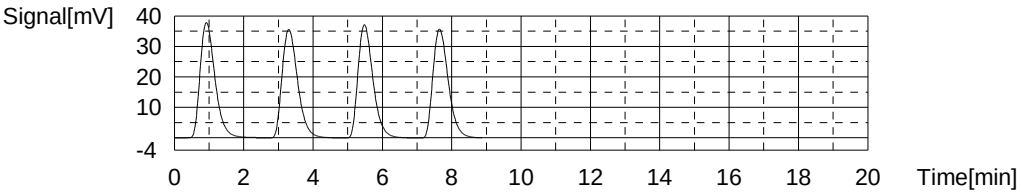
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.53ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.8	24.84ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:06:23 AM
2	112.1	24.47ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:08:47 AM
3	112.5	24.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:11:08 AM
4	111.1	24.25ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:13:33 AM

Mean Area 112.4
Mean Conc. 24.53ppm



Sample

Sample Name: MSD 280-30425-I-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

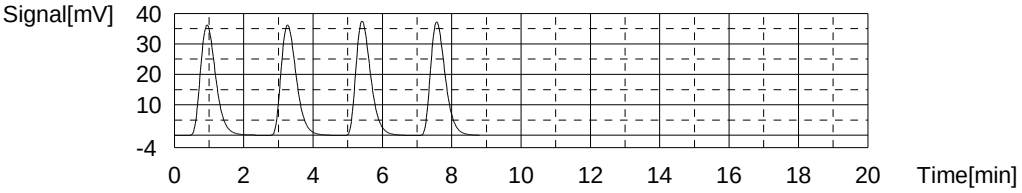
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.46ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.5	24.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:24:25 AM
2	112.1	24.47ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:26:47 AM
3	112.5	24.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:29:08 AM
4	111.1	24.25ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:31:29 AM

Mean Area 112.1
Mean Conc. 24.46ppm



Sample

Sample Name: 280-30425-d-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

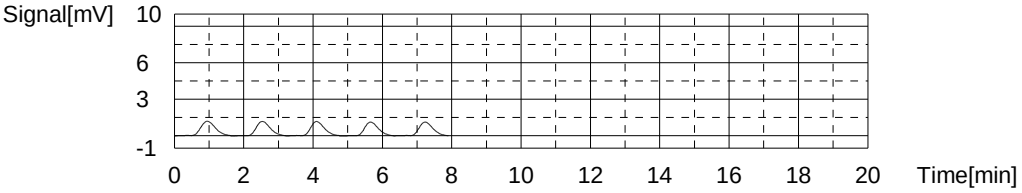
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7843ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.303	0.8387ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:41:38 AM
2	3.184	0.8128ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:43:25 AM
3	3.033	0.7800ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:45:10 AM
4	2.995	0.7718ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:46:56 AM
5	2.998	0.7724ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:48:43 AM

Mean Area 3.053
Mean Conc. 0.7843ppm



Sample

Sample Name: 280-30425-d-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

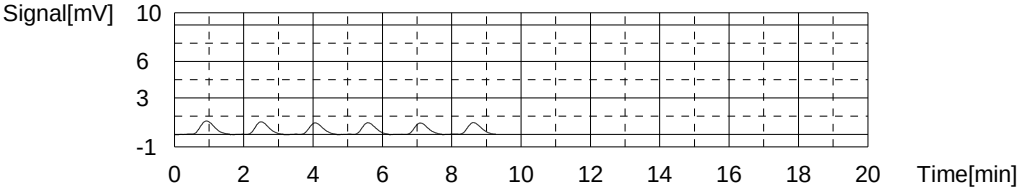
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6626ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.958	0.7638ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:58:50 AM
2	2.715	0.7110ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:00:35 AM
3	2.473	0.6584ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:02:19 AM
4	2.518	0.6682ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:04:01 AM
5	2.455	0.6545ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:05:45 AM
6	2.523	0.6693ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:07:31 AM

Mean Area 2.492
Mean Conc. 0.6626ppm



Sample

Sample Name: 280-30425-d-7
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

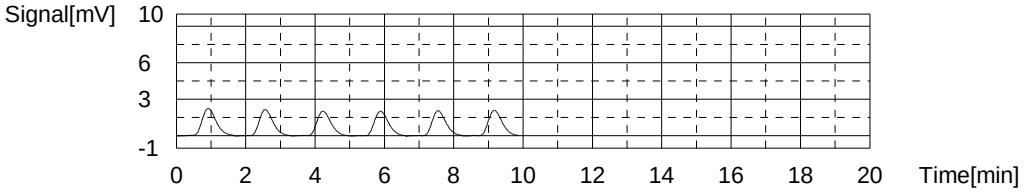
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.358ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.036	1.432ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:17:36 AM
2	5.787	1.378ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:19:28 AM
3	5.571	1.331ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:21:19 AM
4	5.703	1.360ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:23:11 AM
5	5.528	1.322ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:25:00 AM
6	5.723	1.364ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:26:50 AM

Mean Area 5.696
Mean Conc. 1.358ppm



Sample

Sample Name: 280-30425-d-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

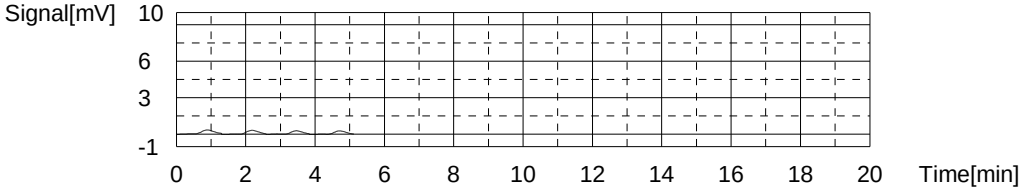
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2465ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6279	0.2577ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:36:34 AM
2	0.6425	0.2608ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:38:03 AM
3	0.5043	0.2308ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:39:30 AM
4	0.5317	0.2368ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:40:59 AM

Mean Area 0.5766
Mean Conc. 0.2465ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

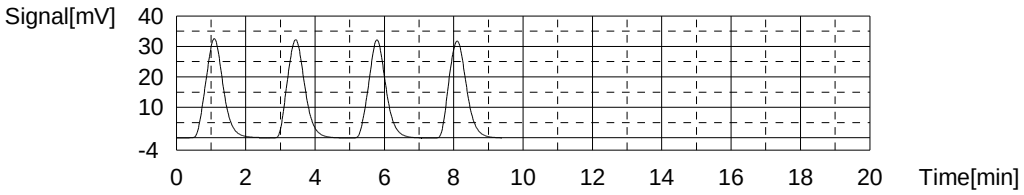
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.72ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	114.3	24.95ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:51:57 AM
2	113.6	24.79ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:54:27 AM
3	112.1	24.47ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:57:01 AM
4	113.1	24.69ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:59:33 AM

Mean Area 113.3
Mean Conc. 24.72ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

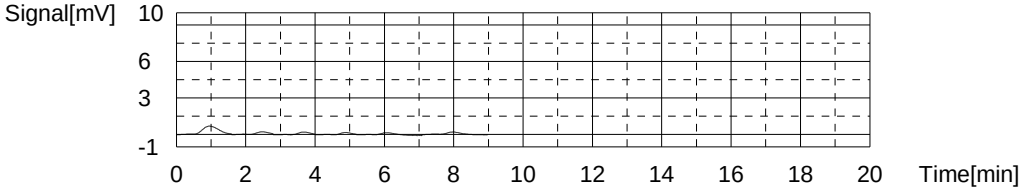
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1714ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.893	0.5324ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:09:40 PM
2	0.2890	0.1841ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:11:04 PM
3	0.3574	0.1989ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:12:29 PM
4	0.2757	0.1812ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:13:52 PM
5	0.000	0.1213ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:15:58 PM
6	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:18:04 PM

Mean Area 0.2305
Mean Conc. 0.1714ppm



TOC-V Cal Curve Information
1-50 PPM TOC.2012_07_12_09_13_34.cal

Date of Creation	11:15:53 AM 10/28/2005
User	DEANN
System	TOC-VCSH

Cal. Curve

Sample Name:	cal
Sample ID:	CAL
Cal. Curve:	1-50 PPM TOC.2012_07_12_09_13_34.cal
Status	Completed
Comment:	

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.000	50uL	1	*******		07/12/2012 09:21:59 A
2	0.000	50uL	1	*******		07/12/2012 09:24:05 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	0.000
SD Area	0.000
CV Area	0.00%
Vial	88

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.830	50uL	1	*******		07/12/2012 09:34:28 A
2	4.828	50uL	1	*******		07/12/2012 09:36:29 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	4.829
SD Area	0.00141
CV Area	0.03%
Vial	89

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	22.31	50uL	1	*******		07/12/2012 09:47:06 A
2	22.13	50uL	1	*******		07/12/2012 09:49:19 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	22.22
SD Area	0.1273
CV Area	0.57%
Vial	90

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	44.87	50uL	1	*******		07/12/2012 10:00:03 A
2	44.70	50uL	1	*******		07/12/2012 10:02:24 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	44.79
SD Area	0.1202
CV Area	0.27%
Vial	91

Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	113.2	50uL	1	*******		07/12/2012 10:13:22 A
2	113.7	50uL	1	*******		07/12/2012 10:15:53 A

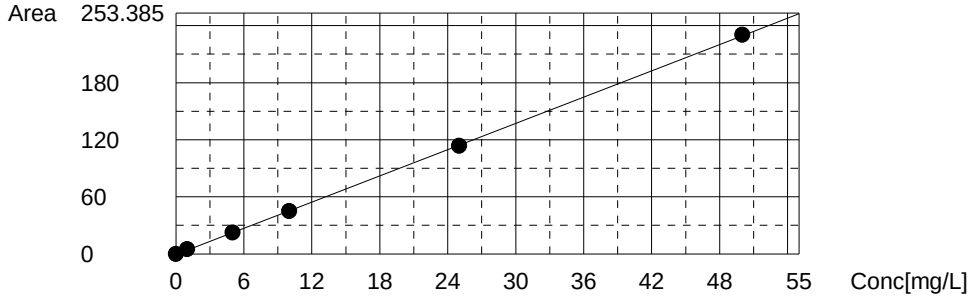
Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	113.5
SD Area	0.3536
CV Area	0.31%
Vial	92

Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	230.7	50uL	1	*******		07/12/2012 10:27:09 A
2	230.0	50uL	1	*******		07/12/2012 10:29:49 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	230.4
SD Area	0.4950
CV Area	0.21%
Vial	93

Slope:	4.604
Intercept	-0.5585
r^2	0.9999
r	1.0000
Zero Shift	No



Wet Chemistry Data Review Checklist
Direct Measurement Methods (pH, Conductance, etc.)

Test Name/Method #: Alkalinity **Analysis Date** 6/26/12

SOP #: NRC-0023 **Analyst:** B. Gilbert **Instrument:** AT3

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30282, 30290, 30326, 30335, 30338, 30361, 30376, 30378, 30379, 30380, 30385,	WQ	NA	125734	23203	

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the instrument properly standardized?	✓			✓
2. Second-source ICV analyzed immediately after instrument standardization & recovery ± 10% of true value?	✓			✓
3. ICB analyzed immediately after ICV & results < the RL?	✓			✓
4. CCV analyzed after every ten samples & recovery ± 10% of true value?	✓			✓
5. CCB analyzed after every CCV & all results < the RL?	✓			✓
B. Sample Results				
1. pH sample and duplicate within ± 0.1 units?	✓			✓
1. Are all sample dilutions appropriate and do associated RLs reflect required dilutions or limited sample volumes?	✓			✓
2. All reported results bracketed by in control CCV results?	✓			✓
3. Sample analyses done within holding time?	✓			✓
4. Preparation benchsheet completed and included in package (if applicable)?	✓			✓
5. Special client requirements reviewed and met?	✓			✓
6. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓			✓
7. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
8. STD/True Value information is updated and included?	✓			✓
9. Raw data copies prepared, scanned, and uploaded?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. Sample DUP run at required frequency and RPD within established limits?	✓			✓

Analyst: [signature] **Date:** 6/27/12

2nd Level Reviewer : [signature] **Date:** 6/28/12

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Wet Chemistry Data Review Checklist For Gravimetric Methods

Test Name/Method #: TDS Analysis Date: 6/27/12

SOP #: DV-WC-0064 Analyst: BT Instrument: B41

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30328, 30333, 30334, 30335, 30336, 30385	Wtr	—	125751	—	—
					7/2/12

A. Balance, Oven, and DI Water QC Checks	Yes	No	N/A	2nd Level
1. Was the balance calibration verified before and after processing samples and noted in the "Balance Calibration Log" for the date(s) the samples were processed?	—			—
2. Was the oven temperature within method requirements and recorded in the "Oven Temperature" logbook for the date(s) the samples were processed?	—			—
3. Was the daily conductivity check of the deionized water recorded in the "Conductivity Logbook"?		X		—
B. Method Requirements				
1. If sample is visibly oily, was this noted on the benchsheet?		X		—
2. Was final residue weight within minimum/maximum requirements?	—			—
3. Were the initial and final drying dates and times recorded on the benchsheet and were all samples dried for at least one hour?	—			—
C. Sample Results				
1. TDS/Conductivity ratio or historical data checked?		X		—
2. For % Moisture, was the Final Dried Weight < the Initial Pan Weight or is the result greater than 100%?			X	—
3. Were sample analyses done within holding time?	—			—
4. Were special client requirements met?	—			—
5. Were data that were manually transcribed from instrument printouts into TALS verified 100% including significant figures and units?	—			—
6. Do the prep and analysis dates in TALS reflect the actual dates? Lots/Dates report checked?	—			—
7. STD/True Value information is updated and included?	—			—
8. Are raw data copies prepared, scanned, and uploaded?	—			—
D. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10 X RL?	—			—
2. Method blank < ½ RL or NCM provided?	—			—
3. LCS/LCSD run for batch and within QC limits?	—			—
4. DUP run for batch and RPD < 20% for samples >5 X RL?	—			—

Analyst: BT Date: 7/2/12

Comments: _____

2nd Level Reviewer : [signature] Date: 7/3/12

Comments: _____

7/2/12

TestAmerica Denver

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BOD Data Review Checklist

Methods: EPA 405.1, Standard Methods 5210 B

SOP # DV-WC-0019

Run Date: 6 22 12 Analyst: DVA Instrument: BOD

Log-in / Sample Numbers	Batch	Method	Special Inst
280 30331/1-5	125222	5210B	NA
280 30335/1-6			Q4
280 30291/1			NA
280 30336/1			
280 30334/1-4			Q4
			6 30 12

A. Materials and Instrument Checks	Yes	No	N/A	2nd Level
1. Seed water stirred/aerated for at least one hour?	✓			
2. Incubator temperature in control (20 ± 1°C) for 5-day incubation?	✓			
3. Probe checks done at prescribed intervals as shown on the benchsheet?	✓			✓
4. If CBOD in batch, is there is a Blank, Duplicate for CBOD in the batch?			✓	—
B. Method Required QC				
1. Initial D.O. readings for samples, blanks and GGA standard between 7.0 and 9.0 mg/L?	✓			—
2. Seed control depletion is at least 2.0 mg/L (40 – 70%)?	✓			✓
3. Seed correction value between 0.6 and 1.0 mg/L?	✓			✓
4. Glucose/Glutamic acid (LCS) within control limits?	✓			✓
C. Sample Results				
1. 48 hour holding time met for all samples?	✓			—
2. Was sample pH between 6.5 and 7.5 (adjustment made if necessary)?	✓			—
3. Were samples checked for residual chlorine (removed if necessary)?	✓			—
4. Are all sample dilutions with depletion <2.0 mg/L, or final D.O. <1.0 mg/L rejected?	✓			—
5. Do reporting limits reflect dilutions and/or limited sample volume?	✓			—
6. Were there any signs of toxicity in the samples?		✓		✓
7. Were there any air bubbles in the BOD bottles?		✓		
8. Were special client requirements met?	✓			—
9. STD/True Value information is updated and included?	✓			✓

Analyst: [signature] Date: 6 30 12

2nd Level Reviewer : [signature] Date: 6/30/12

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 126890 Batch Start Date: 07/07/12 10:16 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00154	NXN ICV INT 00148	AnalysisComment
ICVL 280-126890/15		350.1		100 mL	100 mL	OK		2 mL	
ICV 280-126890/16		350.1		100 mL	100 mL	OK		5 mL	
ICB 280-126890/17		350.1				OK			
MRL 280-126890/18		350.1				OK			
CCV 280-126890/32		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126890/33		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126890/34		350.1				OK			
MB 280-126890/42		350.1				OK			ph<2
LCS 280-126890/43		350.1		100 mL	100 mL	OK	5 mL		ph<2
LCSD 280-126890/44		350.1		100 mL	100 mL	OK	5 mL		ph<2
CCV 280-126890/48		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126890/49		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126890/50		350.1				OK			
CCVL 280-126890/65		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126890/66		350.1				OK			
280-30335-D-1	LF1P0213UA	350.1	T			OK			ph<2
280-30335-D-1 MS	LF1P0213UA	350.1	T	5 mL	5 mL	OK	0.2 mL		ph<2
280-30335-D-1 MSD	LF1P0213UA	350.1	T	5 mL	5 mL	OK	0.2 mL		ph<2
280-30335-D-2	LF1P0317UA	350.1	T			OK			ph<2
280-30335-D-3	LF1M1111UA	350.1	T			OK			ph<2
280-30335-D-4	LF1M1316UA	350.1	T			OK			ph<2
CCV 280-126890/80		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126890/81		350.1		100 mL	100 mL	OK	1 mL		

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 126890 Batch Start Date: 07/07/12 10:16 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00154	NXN ICV INT 00148	AnalysisComment
CCB 280-126890/82		350.1				OK			
280-30335-D-5	LF1M1316UC	350.1	T			OK			ph<2
280-30335-D-6	062112UE	350.1	T			OK			ph<2
CCV 280-126890/96		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126890/97		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126890/98		350.1				OK			

Batch Notes	
Buffer Reagent ID Number	NH3 Buffer_00014
Hypochlorite Reagent ID Number	Hypochlorite_00194
Sodium Nitroprusside Reagent ID	Nitroprusside_00023
Pipette ID	5000Q, 1000m
Perform Calculation (0=No, 1=Yes)	1
Sodium Phenolate Reagent ID Number	Phenolate NH3_00040

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 127380 Batch Start Date: 07/11/12 20:00 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	TKN 25ppm 00097		
LCS 280-127380/1		351.2, 351.2			25 mL	25 mL	6 mL		
LCSD 280-127380/2		351.2, 351.2			25 mL	25 mL	6 mL		
MB 280-127380/3		351.2, 351.2			25 mL	25 mL			
280-30335-C-1	LF1P0213UA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30335-C-1 MS	LF1P0213UA	351.2, 351.2	T	< 2	25 mL	25 mL	3 mL		
280-30335-C-1 MSD	LF1P0213UA	351.2, 351.2	T	< 2	25 mL	25 mL	3 mL		
280-30335-C-2	LF1P0317UA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30335-C-3	LF1M1111UA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30335-C-4	LF1M1316UA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30335-C-5	LF1M1316UC	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30335-C-6	062112UE	351.2, 351.2	T	< 2	25 mL	25 mL			

Batch Notes	
Batch Comment	5000X
Block Digestion End time	2345
Block Digestion Start time	2000
Block Digestor Name	TKN A
Digestion Solution Used	TKN Digestion_00009
Oven, Bath or Block Temperature 1	140 Degrees C
Oven, Bath or Block Temperature 2	380 Degrees C

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 127774 Batch Start Date: 07/14/12 02:15 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TKN 25ppm 00097	TKN ICV 00003			
ICV 280-127774/13		351.2		4 mL		2 mL			
ICB 280-127774/14		351.2		4 mL					
LCS 280-127380/1-A		351.2		4 mL					
LCSD 280-127380/2-A		351.2		4 mL					
MB 280-127380/3-A		351.2		4 mL					
280-30335-C-1-A	LF1P0213UA	351.2	T	4 mL					
280-30335-C-1-B MS	LF1P0213UA	351.2	T	4 mL					
280-30335-C-1-C MSD	LF1P0213UA	351.2	T	4 mL					
CCV 280-127774/21		351.2		25 mL	5 mL				
CCB 280-127774/22		351.2		4 mL					
280-30335-C-2-A	LF1P0317UA	351.2	T	4 mL					
280-30335-C-3-A	LF1M1111UA	351.2	T	4 mL					
280-30335-C-4-A	LF1M1316UA	351.2	T	4 mL					
280-30335-C-5-A	LF1M1316UC	351.2	T	4 mL					
280-30335-C-6-A	062112UE	351.2	T	4 mL					
CCV 280-127774/35		351.2		25 mL	5 mL				
CCB 280-127774/36		351.2		4 mL					

Batch Notes	

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 124298 Batch Start Date: 06/16/12 10:55 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	COD cal std 00014			
IC 280-124298/1		410.4		50 mL	50 mL	0.5 mL			
IC 280-124298/2		410.4		50 mL	50 mL	1 mL			
IC 280-124298/3		410.4		50 mL	50 mL	2.5 mL			
IC 280-124298/4		410.4		50 mL	50 mL	5 mL			
IC 280-124298/5		410.4		50 mL	50 mL	7.5 mL			
IC 280-124298/6		410.4		50 mL	50 mL	10 mL			

Batch Notes	
Batch Comment	420nm, WC-5000-N, WC-1000-H
Block Digestion End time	AA: 13:30 BB: 13:55 AA: 15:45
Block Digestion Start time	AA: 11:30 BB:11:55 AA: 13:45
Block Digestor Name	HACH DRB 200
Oven, Bath or Block Temperature 1	AA: 150 BB:150 AA: 150
Oven, Bath or Block Temperature 2	AA: 150 BB: 150
Sufficient volume for MS/MSD?	yes
Vial Lot Number	A2130 05/31/17

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 125624 Batch Start Date: 06/26/12 11:37 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	COD cal std 00014	COD icv std 00009
ICV 280-125624/1		410.4		50 mL	50 mL				5 mL
ICB 280-125624/2		410.4		2 mL	2 mL				
LCS 280-125624/3		410.4		100 mL	100 mL			10 mL	
LCSD 280-125624/4		410.4		100 mL	100 mL			10 mL	
MB 280-125624/5		410.4		2 mL	2 mL				
280-30335-C-1	LF1P0213UA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30335-C-1 MS	LF1P0213UA	410.4	T	100 mL	100 mL	<2 SU	<2 SU		
280-30335-C-1 MSD	LF1P0213UA	410.4	T	100 mL	100 mL	<2 SU	<2 SU		
CCV 280-125624/16		410.4		100 mL	100 mL			10 mL	
CCB 280-125624/17		410.4		2 mL	2 mL				
280-30335-C-2	LF1P0317UA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30335-C-3	LF1M1111UA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30335-C-4	LF1M1316UA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30335-C-5	LF1M1316UC	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30335-C-6	062112UE	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
CCV 280-125624/23		410.4		100 mL	100 mL			10 mL	
CCB 280-125624/24		410.4		2 mL	2 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	cod ms/msd 00006	AnalysisComment				
ICV 280-125624/1		410.4							
ICB 280-125624/2		410.4							
LCS 280-125624/3		410.4							
LCSD 280-125624/4		410.4							
MB 280-125624/5		410.4							
280-30335-C-1	LF1P0213UA	410.4	T		CL <2000				

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 125624 Batch Start Date: 06/26/12 11:37 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	cod ms/msd 00006	AnalysisComment				
280-30335-C-1 MS	LF1P0213UA	410.4	T	0.5 mL	CL <2000				
280-30335-C-1 MSD	LF1P0213UA	410.4	T	0.5 mL	CL <2000				
CCV 280-125624/16		410.4							
CCB 280-125624/17		410.4							
280-30335-C-2	LF1P0317UA	410.4	T		CL <2000				
280-30335-C-3	LF1M1111UA	410.4	T		CL <2000				
280-30335-C-4	LF1M1316UA	410.4	T		CL <2000				
280-30335-C-5	LF1M1316UC	410.4	T		CL <2000				
280-30335-C-6	062112UE	410.4	T		CL <2000				
CCV 280-125624/23		410.4							
CCB 280-125624/24		410.4							

Batch Notes	
Acid used for pH adjustment	H2SO4
Acid used for pH adjust Lot #	H2SO4_00015
Batch Comment	420nm, WC-5000-B, WC-1000-H
Block Digestion End time	AA: 15:49 BB: 15:49
Block Digestion Start time	AA: 13:49 BB: 13:47
Block Digestor Name	HACH 200 DRB
Oven, Bath or Block Temperature 1	AA: 150 BB: 150
Oven, Bath or Block Temperature 2	AA: 150 BB: 150
Sufficient volume for MS/MSD?	yes
Vial Lot Number	A2130 exp:05/31/17

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 126227 Batch Start Date: 06/22/12 13:00 Batch Analyst: Ayala, Delaina

Batch Method: SM 2120B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TurbidityRemoved				
MB 280-126227/1		SM 2120B		50 mL	N				
280-30335-A-1	LF1P0213UA	SM 2120B	T	50 mL	N				
280-30335-A-1 DU	LF1P0213UA	SM 2120B	T	50 mL	N				
280-30335-A-2	LF1P0317UA	SM 2120B	T	50 mL	N				
280-30335-A-3	LF1M1111UA	SM 2120B	T	50 mL	N				
280-30335-A-4	LF1M1316UA	SM 2120B	T	50 mL	N				
280-30335-A-5	LF1M1316UC	SM 2120B	T	50 mL	N				
280-30335-A-6	062112UE	SM 2120B	T	50 mL	N				

Batch Notes	
Batch Comment	NESSLER TUBES
Color Standards Lot #	1316339

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 128017 Batch Start Date: 07/17/12 09:02 Batch Analyst: Allen, Andrew J

Batch Method: SM 2340C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	BuretStart1	BuretStop1	TitrantVolume1	CalcMsg
MB 280-128017/1		SM 2340C		25 mL	25 mL	0 mL	0.00 mL	0 mL	OK
LCS 280-128017/2		SM 2340C		25 mL	25 mL	0 mL	10.05 mL	10.05 mL	OK
LCSD 280-128017/3		SM 2340C		25 mL	25 mL	0 mL	10.11 mL	10.11 mL	OK
280-30335-E-1	LF1P0213UA	SM 2340C	T	25 mL	25 mL	0 mL	9.55 mL	9.55 mL	OK
280-30335-E-2	LF1P0317UA	SM 2340C	T	25 mL	25 mL	0 mL	8.10 mL	8.1 mL	OK
280-30335-E-3	LF1M1111UA	SM 2340C	T	25 mL	25 mL	0 mL	11.83 mL	11.83 mL	OK
280-30335-E-4	LF1M1316UA	SM 2340C	T	25 mL	25 mL	0 mL	4.85 mL	4.85 mL	OK
280-30335-E-5	LF1M1316UC	SM 2340C	T	25 mL	25 mL	0 mL	4.58 mL	4.58 mL	OK
280-30335-E-6	062112UE	SM 2340C	T	25 mL	25 mL	0 mL	0.00 mL	0 mL	OK

Lab Sample ID	Client Sample ID	Method Chain	Basis	Hard lcs std 00022					
MB 280-128017/1		SM 2340C							
LCS 280-128017/2		SM 2340C		10 mL					
LCSD 280-128017/3		SM 2340C		10 mL					
280-30335-E-1	LF1P0213UA	SM 2340C	T						
280-30335-E-2	LF1P0317UA	SM 2340C	T						
280-30335-E-3	LF1M1111UA	SM 2340C	T						
280-30335-E-4	LF1M1316UA	SM 2340C	T						
280-30335-E-5	LF1M1316UC	SM 2340C	T						
280-30335-E-6	062112UE	SM 2340C	T						

Batch Notes	
Buffer Lot #	Hardness Buffer 00012
EDTA Lot Number	EDTA Titrant 00010
Indicator Lot	Calmagite 00001
Nominal Amount Used	25 mL
Pipette ID	5000-L
Perform Calculation (0=No, 1=Yes)	1
Normality of first Titrant	0.01980 N
Titrant Standardization Date	071712

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 128017 Batch Start Date: 07/17/12 09:02 Batch Analyst: Allen, Andrew J

Batch Method: SM 2340C Batch End Date:

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 125527 Batch Start Date: 06/22/12 08:34 Batch Analyst: Phan, Thu L

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	IC CAL INT1 00159	IC daily cal 00821	IC ICV daily 00821	ICMS/MSD WEEK 00145
ICV 280-125527/1		9056A			Not Calculated. Perform Calculation left blank			5 mL	
ICB 280-125527/2		9056A			Not Calculated. Perform Calculation left blank				
MRL 280-125527/3		9056A		5 mL	Not Calculated. Perform Calculation left blank	50 uL			
LCS 280-125527/5		9056A			Not Calculated. Perform Calculation left blank		5 mL		
LCSD 280-125527/6		9056A			Not Calculated. Perform Calculation left blank		5 mL		
MB 280-125527/7		9056A			Not Calculated. Perform Calculation left blank				
280-30335-B-1	LF1P0213UA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30335-B-2	LF1P0317UA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30335-B-2 DU	LF1P0317UA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30335-B-2 MS	LF1P0317UA	9056A	T	5 mL	Not Calculated. Perform Calculation left blank				50 uL
280-30335-B-2 MSD	LF1P0317UA	9056A	T	5 mL	Not Calculated. Perform Calculation left blank				50 uL

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 125527 Batch Start Date: 06/22/12 08:34 Batch Analyst: Phan, Thu L

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	IC CAL INT1 00159	IC daily cal 00821	IC ICV daily 00821	ICMS/MSD WEEK 00145
280-30335-B-3	LF1M1111UA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30335-B-4	LF1M1316UA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30335-B-5	LF1M1316UC	9056A	T		Not Calculated. Perform Calculation left blank				
280-30335-B-6	062112UE	9056A	T		Not Calculated. Perform Calculation left blank				
CCV 280-125527/18		9056A			Not Calculated. Perform Calculation left blank		5 mL		
CCB 280-125527/19		9056A			Not Calculated. Perform Calculation left blank				

Batch Notes	
Batch Comment	pipets: wc-5000ic, wc-1000u, wc-100c
Filter Lot #	koja5815-1339
Regeneration Solution Lot	110820811019

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 125528 Batch Start Date: 06/22/12 08:34 Batch Analyst: Phan, Thu L

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	IC CAL INT1 00159	IC daily cal 00821	IC ICV daily 00821	ICMS/MSD WEEK 00145	
ICV 280-125528/1		9056A					5 mL		
MRL 280-125528/4		9056A		5 mL	20 uL				
LCS 280-125528/5		9056A				5 mL			
LCSD 280-125528/6		9056A				5 mL			
280-30335-B-2 MS	LF1P0317UA	9056A	T	5 mL				50 uL	
280-30335-B-2 MSD	LF1P0317UA	9056A	T	5 mL				50 uL	
CCV 280-125528/18		9056A				5 mL			

Batch Notes	
Filter Lot #	koja5815-1339
Pipette ID	wc-5000ic, wc-1000u, wc-100c
Regeneration Solution Lot	110820811019

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 128057 Batch Start Date: 07/16/12 17:54 Batch Analyst: Bandy, Darlene F

Batch Method: 9060A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TOC ICV Std 00012	TOC LCS Std 00013	AnalysisComment		
ICV 280-128057/1		9060A		50 mL	1 mL				
CCV 280-128057/28		9060A		200 mL		5 mL			
LCS 280-128057/32		9060A		200 mL		5 mL			
LCSD 280-128057/33		9060A		200 mL		5 mL			
CCV 280-128057/40		9060A		200 mL		5 mL			
280-30335-D-1	LF1P0213UA	9060A	T				pH <2		
280-30335-D-2	LF1P0317UA	9060A	T				pH <2		
280-30335-D-3	LF1M1111UA	9060A	T				pH <2		
280-30335-D-4	LF1M1316UA	9060A	T				pH <2		
280-30335-D-5	LF1M1316UC	9060A	T				pH <2		
280-30335-D-6	062112UE	9060A	T				pH <2		
CCV 280-128057/52		9060A		200 mL		5 mL			

Batch Notes	
Batch Comment	0.2% H2SO4_00044
Pipette ID	WC-5000-N, WC-1000-H

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 125734 Batch Start Date: 06/26/12 08:25 Batch Analyst: Gilbert, Bryan M

Batch Method: SM 2320B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	Alk daily lcs 00253				
CCV 280-125734/29		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125734/30		SM 2320B		InitialAmount is blank					
LCS 280-125734/31		SM 2320B		InitialAmount is blank	10 mL				
LCSD 280-125734/32		SM 2320B		InitialAmount is blank	10 mL				
MB 280-125734/33		SM 2320B		InitialAmount is blank					
CCV 280-125734/41		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125734/42		SM 2320B		InitialAmount is blank					
CCV 280-125734/53		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125734/54		SM 2320B		InitialAmount is blank					
280-30335-B-1	LF1P0213UA	SM 2320B	T	InitialAmount is blank					
CCV 280-125734/59		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125734/60		SM 2320B		InitialAmount is blank					
LCS 280-125734/61		SM 2320B		InitialAmount is blank	10 mL				
LCSD 280-125734/62		SM 2320B		InitialAmount is blank	10 mL				
MB 280-125734/63		SM 2320B		InitialAmount is blank					
280-30335-B-2	LF1P0317UA	SM 2320B	T	InitialAmount is blank					
280-30335-B-2 DU	LF1P0317UA	SM 2320B	T	InitialAmount is blank					
280-30335-B-3	LF1M1111UA	SM 2320B	T	InitialAmount is blank					
280-30335-B-4	LF1M1316UA	SM 2320B	T	InitialAmount is blank					
280-30335-B-5	LF1M1316UC	SM 2320B	T	InitialAmount is blank					
280-30335-B-6	062112UE	SM 2320B	T	InitialAmount is blank					
CCV 280-125734/70		SM 2320B		InitialAmount is blank	10 mL				

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 125734 Batch Start Date: 06/26/12 08:25 Batch Analyst: Gilbert, Bryan M

Batch Method: SM 2320B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	Alk daily lcs 00253				
CCB 280-125734/71		SM 2320B		InitialAmount is blank					

Batch Notes	
pH Buffer 1 ID	pH 4 bufer_00072
pH Buffer 2 ID	pH 7 buffer_00082
pH Buffer 3 ID	pH 10 buffer_00060
First End time	14:10
Sulfuric Acid Lot Number	.02N h2so4_0075
Sulfuric Acid Vendor	ricca
Nominal Amount Used	10 mL
Pipette ID	5000Q
Probe ID	pH probe 3
First Start time	8:25
Normality of first Titrant	.02 N

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 125751 Batch Start Date: 06/27/12 08:19 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	InitialAmount	TareWeight	Weight1	Weight2	Weight3
MB 280-125751/1		SM 2540C		0.42 umhos/cm	100 mL	65.7389 g	65.7382 g	65.7379 g	65.7379 g
LCS 280-125751/2		SM 2540C			100 mL	65.9202 g	65.9674 g	65.9676 g	0 g
LCSD 280-125751/3		SM 2540C			100 mL	65.6155 g	65.6611 g	65.6613 g	0 g
280-30335-B-1	LF1P0213UA	SM 2540C	T	770 umhos/cm	100 mL	65.8659 g	65.9068 g	65.9065 g	0 g
280-30335-B-2	LF1P0317UA	SM 2540C	T	670 umhos/cm	100 mL	65.2732 g	65.3098 g	65.3098 g	0 g
280-30335-B-3	LF1M1111UA	SM 2540C	T	930 umhos/cm	100 mL	65.3550 g	65.4055 g	65.4054 g	0 g
280-30335-B-3 DU	LF1M1111UA	SM 2540C	T	930 umhos/cm	100 mL	65.5098 g	65.5611 g	65.5613 g	0 g
280-30335-B-4	LF1M1316UA	SM 2540C	T	480 umhos/cm	100 mL	65.9351 g	65.9578 g	65.9575 g	0 g
280-30335-B-5	LF1M1316UC	SM 2540C	T	475 umhos/cm	100 mL	65.5776 g	65.5995 g	65.5993 g	0 g
280-30335-B-6	062112UE	SM 2540C	T	1.45 umhos/cm	100 mL	65.5478 g	65.5473 g	65.5471 g	0 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	WeightOne%Diff	WeightTwo%Diff	Residue	Residue2	Residue3	FinalAmount
MB 280-125751/1		SM 2540C		PASS_D No Unit	PASS_B No Unit	-0.00070 g	-0.00100 g	-0.0010000000000 00477 g	100 mL
LCS 280-125751/2		SM 2540C		PASS_D No Unit		0.04720 g	0.04740 g		100 mL
LCSD 280-125751/3		SM 2540C		PASS_D No Unit		0.04560 g	0.04580 g		100 mL
280-30335-B-1	LF1P0213UA	SM 2540C	T	PASS_D No Unit		0.04090 g	0.04060 g		100 mL
280-30335-B-2	LF1P0317UA	SM 2540C	T	PASS_D No Unit		0.03660 g	0.03660 g		100 mL
280-30335-B-3	LF1M1111UA	SM 2540C	T	PASS_D No Unit		0.05050 g	0.05040 g		100 mL
280-30335-B-3 DU	LF1M1111UA	SM 2540C	T	PASS_D No Unit		0.05130 g	0.05150 g		100 mL
280-30335-B-4	LF1M1316UA	SM 2540C	T	PASS_D No Unit		0.02270 g	0.02240 g		100 mL
280-30335-B-5	LF1M1316UC	SM 2540C	T	PASS_D No Unit		0.02190 g	0.02170 g		100 mL
280-30335-B-6	062112UE	SM 2540C	T	PASS_D No Unit		-0.00050 g	-0.00070 g		100 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	TDS LCS 00279	AnalysisComment				
MB 280-125751/1		SM 2540C			2nd wght 65.7362				
LCS 280-125751/2		SM 2540C		100 mL					
LCSD 280-125751/3		SM 2540C		100 mL					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 125751 Batch Start Date: 06/27/12 08:19 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TDS LCS 00279	AnalysisComment				
280-30335-B-1	LF1P0213UA	SM 2540C	T						
280-30335-B-2	LF1P0317UA	SM 2540C	T						
280-30335-B-3	LF1M1111UA	SM 2540C	T						
280-30335-B-3 DU	LF1M1111UA	SM 2540C	T						
280-30335-B-4	LF1M1316UA	SM 2540C	T						
280-30335-B-5	LF1M1316UC	SM 2540C	T						
280-30335-B-6	062112UE	SM 2540C	T						

Batch Notes	
Balance ID	D91301
Constant Weight (WT2) Date/Time in Oven	6/28/12 9:55
Constant Weight (WT2) Date/Time Out	6/28/12 11:55
Constant Weight (WT2) Temp In	180 Celsius
Constant Weight (WT2) Temp Out	180 Celsius
Constant Weight (WT3) Date/time In	7/2/12 8:35
Constant Weight (WT3) Date/Time Out	7/2/12 10:20
Constant Weight (WT3) Temp In	180 Celsius
Constant Weight (WT3) Temp Out	180 Celsius
Filter Paper Lot Number	millipore lot# r2aa74409
Date samples were placed in the oven	6/27/12 11:45
Oven Temp when samples are put in oven	180 Celsius
Nominal Amount Used	100 mL
Date samples were removed from oven	6/28/12 5:10
Oven Temp when samples removed from oven	180 Celsius
Oven ID	A
Oven Temperature Verification	180 Celsius
ID number of the thermometer	14-983-17c
Uncorrected In Temperature	180 Celsius
Uncorrected Out Temperature	180 Celsius

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 125751 Batch Start Date: 06/27/12 08:19 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 125222 Batch Start Date: 06/22/12 11:55 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 06/27/12 11:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	ResidualChloCheck	InitialTemp	Initial_DO	Initial pH	FinTemp	Final_DO
LCS 280-125222/4		SM5210B							
LCSD 280-125222/5		SM5210B							
MB 280-125222/6		SM5210B							
280-30335-A-1	LF1P0213UA	SM5210B	T	NEG	20.17 Celsius	7.43 mg/L	6.86	20.42 Celsius	7.42 mg/L
280-30335-A-2	LF1P0317UA	SM5210B	T	NEG	20.16 Celsius	7.40 mg/L	7.22	20.41 Celsius	7.43 mg/L
280-30335-A-3	LF1M1111UA	SM5210B	T	NEG	20.16 Celsius	7.41 mg/L	6.68	20.51 Celsius	7.41 mg/L
280-30335-A-4	LF1M1316UA	SM5210B	T	NEG	20.16 Celsius	7.41 mg/L	6.79	20.63 Celsius	7.38 mg/L
280-30335-A-5	LF1M1316UC	SM5210B	T	NEG	20.26 Celsius	7.43 mg/L	6.78	20.69 Celsius	7.38 mg/L
280-30335-A-6	062112UE	SM5210B	T	NEG	20.31 Celsius	7.42 mg/L	6.67	20.77 Celsius	7.36 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Num	Bot1Amt	Bot1IDO	Bot1FDO	Bot1Dep	Bot1BOD
LCS 280-125222/4		SM5210B		9	6 mL	7.37 mg/L	2.75 mg/L	4.62 mg/L	200.12 mg/L
LCSD 280-125222/5		SM5210B		10	6 mL	7.35 mg/L	2.63 mg/L	4.72 mg/L	205.12 mg/L
MB 280-125222/6		SM5210B		11	300 mL	7.35 mg/L	6.88 mg/L	0.47 mg/L	-0.148 mg/L
280-30335-A-1	LF1P0213UA	SM5210B	T	42	10 mL	7.38 mg/L	6.90 mg/L	0.48 mg/L	-4.128 mg/L
280-30335-A-2	LF1P0317UA	SM5210B	T	47	10 mL	7.42 mg/L	6.92 mg/L	0.5 mg/L	-3.528 mg/L
280-30335-A-3	LF1M1111UA	SM5210B	T	52	10 mL	7.38 mg/L	6.84 mg/L	0.54 mg/L	-2.328 mg/L
280-30335-A-4	LF1M1316UA	SM5210B	T	57	10 mL	7.36 mg/L	6.91 mg/L	0.45 mg/L	-5.028 mg/L
280-30335-A-5	LF1M1316UC	SM5210B	T	62	10 mL	7.39 mg/L	6.88 mg/L	0.51 mg/L	-3.228 mg/L
280-30335-A-6	062112UE	SM5210B	T	67	10 mL	7.40 mg/L	6.86 mg/L	0.54 mg/L	-2.328 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Use	Bot2Num	Bot2Amt	Bot2IDO	Bot2FDO	Bot2Dep
LCS 280-125222/4		SM5210B		YES. Pass					
LCSD 280-125222/5		SM5210B		YES. Pass					
MB 280-125222/6		SM5210B		No. DO Deplete Fail					
280-30335-A-1	LF1P0213UA	SM5210B	T	No. DO Deplete Fail	43	25 mL	7.33 mg/L	6.71 mg/L	0.62 mg/L
280-30335-A-2	LF1P0317UA	SM5210B	T	No. DO Deplete Fail	48	25 mL	7.44 mg/L	6.88 mg/L	0.56 mg/L

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 125222 Batch Start Date: 06/22/12 11:55 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 06/27/12 11:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Use	Bot2Num	Bot2Amt	Bot2IDO	Bot2FDO	Bot2Dep
280-30335-A-3	LF1M1111UA	SM5210B	T	No. DO Deplete Fail	53	25 mL	7.34 mg/L	6.63 mg/L	0.71 mg/L
280-30335-A-4	LF1M1316UA	SM5210B	T	No. DO Deplete Fail	58	25 mL	7.30 mg/L	6.67 mg/L	0.63 mg/L
280-30335-A-5	LF1M1316UC	SM5210B	T	No. DO Deplete Fail	63	25 mL	7.31 mg/L	6.67 mg/L	0.64 mg/L
280-30335-A-6	062112UE	SM5210B	T	No. DO Deplete Fail	68	25 mL	7.48 mg/L	6.96 mg/L	0.52 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot2BOD	Bot2Use	Bot3Num	Bot3Amt	Bot3IDO	Bot3FDO
LCS 280-125222/4		SM5210B							
LCSD 280-125222/5		SM5210B							
MB 280-125222/6		SM5210B							
280-30335-A-1	LF1P0213UA	SM5210B	T	0.029 mg/L	No. DO Deplete Fail	44	60 mL	7.03 mg/L	5.36 mg/L
280-30335-A-2	LF1P0317UA	SM5210B	T	-0.691 mg/L	No. DO Deplete Fail	49	60 mL	7.53 mg/L	6.56 mg/L
280-30335-A-3	LF1M1111UA	SM5210B	T	1.109 mg/L	No. DO Deplete Fail	54	60 mL	7.26 mg/L	5.39 mg/L
280-30335-A-4	LF1M1316UA	SM5210B	T	0.149 mg/L	No. DO Deplete Fail	59	60 mL	7.13 mg/L	6.27 mg/L
280-30335-A-5	LF1M1316UC	SM5210B	T	0.269 mg/L	No. DO Deplete Fail	64	60 mL	7.02 mg/L	6.22 mg/L
280-30335-A-6	062112UE	SM5210B	T	-1.171 mg/L	No. DO Deplete Fail	69	60 mL	7.80 mg/L	7.33 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot3Dep	Bot3BOD	Bot3Use	Bot4Num	Bot4Amt	Bot4IDO
LCS 280-125222/4		SM5210B							
LCSD 280-125222/5		SM5210B							
MB 280-125222/6		SM5210B							
280-30335-A-1	LF1P0213UA	SM5210B	T	1.67 mg/L	5.262 mg/L	NO. Deplete Fail	45	120 mL	6.58 mg/L
280-30335-A-2	LF1P0317UA	SM5210B	T	0.97 mg/L	1.762 mg/L	NO. Deplete Fail	50	120 mL	7.69 mg/L
280-30335-A-3	LF1M1111UA	SM5210B	T	1.87 mg/L	6.262 mg/L	NO. Deplete Fail	55	120 mL	7.08 mg/L
280-30335-A-4	LF1M1316UA	SM5210B	T	0.86 mg/L	1.212 mg/L	NO. Deplete Fail	60	120 mL	6.79 mg/L

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 125222 Batch Start Date: 06/22/12 11:55 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 06/27/12 11:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot3Dep	Bot3BOD	Bot3Use	Bot4Num	Bot4Amt	Bot4IDO
280-30335-A-5	LF1M1316UC	SM5210B	T	0.8 mg/L	0.912 mg/L	NO. Deplete Fail	65	120 mL	6.49 mg/L
280-30335-A-6	062112UE	SM5210B	T	0.47 mg/L	-0.738 mg/L	NO. Deplete Fail	70	120 mL	8.41 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot4FDO	Bot4Dep	Bot4BOD	Bot4Use	Bot5Num	Bot5Amt
LCS 280-125222/4		SM5210B							
LCSD 280-125222/5		SM5210B							
MB 280-125222/6		SM5210B							
280-30335-A-1	LF1P0213UA	SM5210B	T	4.06 mg/L	2.52 mg/L	4.756 mg/L	YES. Pass	46	240 mL
280-30335-A-2	LF1P0317UA	SM5210B	T	5.95 mg/L	1.74 mg/L	2.806 mg/L	NO. Deplete Fail	51	240 mL
280-30335-A-3	LF1M1111UA	SM5210B	T	3.16 mg/L	3.92 mg/L	8.256 mg/L	YES. Pass	56	240 mL
280-30335-A-4	LF1M1316UA	SM5210B	T	5.48 mg/L	1.31 mg/L	1.731 mg/L	NO. Deplete Fail	61	240 mL
280-30335-A-5	LF1M1316UC	SM5210B	T	5.27 mg/L	1.22 mg/L	1.506 mg/L	NO. Deplete Fail	66	240 mL
280-30335-A-6	062112UE	SM5210B	T	7.54 mg/L	0.87 mg/L	0.631 mg/L	NO. Deplete Fail	71	240 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot5IDO	Bot5FDO	Bot5Dep	Bot5BOD	Bot5Use	CalcMsg
LCS 280-125222/4		SM5210B							BOD OK
LCSD 280-125222/5		SM5210B							BOD OK
MB 280-125222/6		SM5210B							No dilutions passed.
280-30335-A-1	LF1P0213UA	SM5210B	T	5.42 mg/L	0.09 mg/L	5.33 mg/L	5.891 mg/L	NO. Final DO Fail	BOD OK
280-30335-A-2	LF1P0317UA	SM5210B	T	8.00 mg/L	4.97 mg/L	3.03 mg/L	3.016 mg/L	YES. Pass	BOD OK
280-30335-A-3	LF1M1111UA	SM5210B	T	6.70 mg/L	0.09 mg/L	6.61 mg/L	7.491 mg/L	NO. Final DO Fail	BOD OK
280-30335-A-4	LF1M1316UA	SM5210B	T	6.08 mg/L	4.11 mg/L	1.97 mg/L	1.691 mg/L	NO. Deplete Fail	No dilutions passed.
280-30335-A-5	LF1M1316UC	SM5210B	T	5.26 mg/L	3.32 mg/L	1.94 mg/L	1.653 mg/L	NO. Deplete Fail	No dilutions passed.
280-30335-A-6	062112UE	SM5210B	T	9.53 mg/L	8.15 mg/L	1.38 mg/L	0.953 mg/L	NO. Deplete Fail	No dilutions passed.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30335-1

SDG No.:

Batch Number: 125222 Batch Start Date: 06/22/12 11:55 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 06/27/12 11:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	BOD Daily LCS 00526				
LCS 280-125222/4		SM5210B		300 mL	6 mL				
LCSD 280-125222/5		SM5210B		300 mL	6 mL				
MB 280-125222/6		SM5210B		300 mL					
280-30335-A-1	LF1P0213UA	SM5210B	T	300 mL					
280-30335-A-2	LF1P0317UA	SM5210B	T	300 mL					
280-30335-A-3	LF1M1111UA	SM5210B	T	300 mL					
280-30335-A-4	LF1M1316UA	SM5210B	T	300 mL					
280-30335-A-5	LF1M1316UC	SM5210B	T	300 mL					
280-30335-A-6	062112UE	SM5210B	T	300 mL					

Batch Notes	
Barometric Pressure at Time of Analysis	748MMHG
Batch Comment	WC5000L
Sulfuric Acid Lot Number	H2SO4 _00001
Incubator ID	BOD 2
Incubator Temperature	19.3 Degrees C
Sodium Hydroxide Reagent ID Number	NAOH_00003
Nominal Amount Used	300 mL
Nutrient Buffer Pillow Lot #	BOD PILLOWS _00002
pH Meter ID	MO2-01543/001-1633
Perform Calculation (0=No, 1=Yes)	1
Amount of Seed added to each Sample	4 mL
Seed Correction	0.6176 mg/L
Seed Lot	POLYSEED _00003/ SEEDED @ 1330/ SEED WINDOW 1130-1730

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-30335-1

Login Number: 30335

List Source: TestAmerica Denver

List Number: 1

Creator: Paulsen, Lindsay T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	NO SAMPLE COLLECTION DATES/TIMES LISTED ON BOTTLE LABELS
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30425-1

Job Description: Griffiss AFB LF1

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

M. Elaine Walker

Approved for release.
Elaine Walker
Project Manager I
7/26/2012 1:09 PM

Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/26/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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NELAP ACCREDITED TNI LABORATORY

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB LF1
Report Number: 280-30425-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Ten samples were received on 06/26/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.6ºC, 3.4ºC, and 1.3ºC.

MS/MSD analyses were requested and performed on sample LF1M1030UA (280-30425-4). Please note: MS/MSD are not performed for the following analyses: TDS, Color, Alkalinity, and BOD.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), 062512UE (280-30425-8), 062512UF (280-30425-9), and 062512UR (280-30425-10) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/05/2012.

The Toluene-d8 surrogate failed the recovery criteria high for sample 062512UE (280-30425-8) at 124%, with an upper limit of 120%. This sample did not contain any associated target analytes; therefore, reanalysis was not performed. The analytes associated to this surrogate have been flagged “Q”.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

AMMONIA

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 07/09/2012.

Ammonia was detected in method blank MB 280-127015/109 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Ammonia was detected in method blank MB 280-127015/20 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The matrix spike / matrix spike duplicate (MS/MSD) for batch 280-127015, performed on sample LF1M1030UA (280-30425-4), were outside control limits. The associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

TOTAL KJELDAHL NITROGEN

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 07/17/2012 and analyzed on 07/19/2012.

Nitrogen, Kjeldahl was detected in method blank MB 280-128145/3-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for TKN batch 280-128608, performed on sample LF1M1030UA (280-30425-4), were outside control limits. The associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the TKN analyses.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for chemical oxygen demand in accordance with EPA Method 410.4. The samples were analyzed on 07/03/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

ANIONS

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for anions in accordance with EPA SW-846 Method 9056. The samples were analyzed on 06/26/2012.

For Orthophosphate batch 280-125720, the absolute value of the intercept was not less than half the reporting limit (RL). All of the samples were ND, and were therefore reported.

The matrix spike duplicate (MSD) recovery for sample LF1M1030UA (280-30425-4), associated with batch 280-125720 were outside control limits for Orthophosphate. The matrix spike (MS) and associated laboratory control sample (LCS/LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

For Chloride batch 280-125720, the sample duplicate %RPD for sample LF1M1030UA (280-30425-4) was outside of control limits. However, the sample was less than the laboratory's standard reporting limits (RL). The %RPD for the LCS/LCSD was in control, and the results have been flagged accordingly.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 07/17/2012.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

COLOR

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for color in accordance with SM20 2120B - Colorimetric. The samples were analyzed on 06/27/2012.

No difficulties were encountered during the color analyses.

All quality control parameters were within the acceptance limits.

ALKALINITY

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 07/02/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

HARDNESS

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for hardness in accordance with SM20 2340C. The samples were analyzed on 07/19/2012.

No difficulties were encountered during the hardness analyses.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 07/02/2012.

No difficulties were encountered during the TDS analyses.

All quality control parameters were within the acceptance limits.

BIOCHEMICAL OXYGEN DEMAND

Samples LF1P0525UA (280-30425-1), LF1M0526UA (280-30425-2), LF1M0620UA (280-30425-3), LF1M1030UA (280-30425-4), LF1M1030UC (280-30425-5), LF1M1212UA (280-30425-6), MWSAR0324UA (280-30425-7), and 062512UE (280-30425-8) were analyzed for Biochemical Oxygen Demand in accordance with SM20 5210B. The samples were analyzed on 06/27/2012.

No difficulties were encountered during the BOD analyses.

All quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: MSV_H Analysis Batch Number: 126680

Lab Sample ID: IC 280-126680/4 Client Sample ID:

Date Analyzed: 07/02/12 13:15 Lab File ID: H4457.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	3.62	Split Peak	meierg	07/03/12 06:12
Ethanol	3.82	Analyte not Identified by the Data System	meierg	07/02/12 14:43
Acetone	4.23	Split Peak	meierg	07/03/12 06:16

Lab Sample ID: IC 280-126680/5 Client Sample ID:

Date Analyzed: 07/02/12 13:37 Lab File ID: H4458.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.84	Baseline Event	meierg	07/03/12 06:15

Lab Sample ID: IC 280-126680/8 Client Sample ID:

Date Analyzed: 07/02/12 14:44 Lab File ID: H4461.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	3.62	Split Peak	meierg	07/03/12 06:12
Acetonitrile	4.60	Mis-Integrated	meierg	07/03/12 06:20

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30425-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30425-1	LF1P0525UA	Water	06/25/2012 1417	06/26/2012 0930
280-30425-2	LF1M0526UA	Water	06/25/2012 1335	06/26/2012 0930
280-30425-3	LF1M0620UA	Water	06/25/2012 1545	06/26/2012 0930
280-30425-4	LF1M1030UA	Water	06/25/2012 1242	06/26/2012 0930
280-30425-4MS	LF1M1030UA	Water	06/25/2012 1242	06/26/2012 0930
280-30425-4MSD	LF1M1030UA	Water	06/25/2012 1242	06/26/2012 0930
280-30425-5FD	LF1M1030UC	Water	06/25/2012 1242	06/26/2012 0930
280-30425-6	LF1M1212UA	Water	06/25/2012 1131	06/26/2012 0930
280-30425-7	MWSAR0324UA	Water	06/25/2012 1532	06/26/2012 0930
280-30425-8EB	062512UE	Water	06/25/2012 1615	06/26/2012 0930
280-30425-9FB	062512UF	Water	06/25/2012 1145	06/26/2012 0930
280-30425-10TB	062512UR	Water	06/25/2012 0925	06/26/2012 0930

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30425-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30425-1	**LF1P0525UA**					
Ammonia		0.21		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.0		1.0	mg/L	351.2
Bromide		0.14	J	0.50	mg/L	9056A
Nitrate as N		0.068	J	0.50	mg/L	9056A
Chloride		8.7		3.0	mg/L	9056A
Nitrate Nitrite as N		0.068	J	0.50	mg/L	9056A
Total Organic Carbon - Quad		1.9		1.0	mg/L	9060A
Alkalinity		310		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		260		5.0	mg/L	SM 2340C
Total Dissolved Solids		320		10	mg/L	SM 2540C
280-30425-2	**LF1M0526UA**					
1,1-Dichloroethane		0.19	J	1.0	ug/L	8260B/DoD
1,4-Dichlorobenzene		0.44	J	1.0	ug/L	8260B/DoD
Benzene		1.8		1.0	ug/L	8260B/DoD
Chlorobenzene		1.2		1.0	ug/L	8260B/DoD
cis-1,2-Dichloroethene		0.30	J	1.0	ug/L	8260B/DoD
Cyclohexane		0.98	J	2.0	ug/L	8260B/DoD
Ammonia		0.76		0.10	mg/L	350.1
Nitrogen, Kjeldahl		2.0		1.0	mg/L	351.2
Chemical Oxygen Demand		9.3	J	20	mg/L	410.4
Bromide		0.18	J	0.50	mg/L	9056A
Chloride		11		3.0	mg/L	9056A
Fluoride		0.12	J	1.0	mg/L	9056A
Total Organic Carbon - Quad		2.2		1.0	mg/L	9060A
Alkalinity		400		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		350		5.0	mg/L	SM 2340C
Total Dissolved Solids		410		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30425-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30425-3	**LF1M0620UA**					
Benzene		0.27	J	1.0	ug/L	8260B/DoD
Bromoform		0.27	J	1.0	ug/L	8260B/DoD
Ammonia		0.44		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.5		1.0	mg/L	351.2
Chemical Oxygen Demand		8.0	J	20	mg/L	410.4
Bromide		0.21	J	0.50	mg/L	9056A
Nitrate as N		0.052	J	0.50	mg/L	9056A
Chloride		18		3.0	mg/L	9056A
Nitrate Nitrite as N		0.052	J	0.50	mg/L	9056A
Total Organic Carbon - Quad		1.1		1.0	mg/L	9060A
Color		25		5.0	PCU	SM 2120B
Alkalinity		360		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		290		5.0	mg/L	SM 2340C
Total Dissolved Solids		380		10	mg/L	SM 2540C
Biochemical Oxygen Demand		2.6		2.5	mg/L	SM5210B
280-30425-4	**LF1M1030UA**					
Ammonia		0.11	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.70	J	1.0	mg/L	351.2
Nitrate as N		0.58		0.50	mg/L	9056A
Chloride		1.9	J	3.0	mg/L	9056A
Nitrate Nitrite as N		0.58		0.50	mg/L	9056A
Sulfate		6.0		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.69	J	1.0	mg/L	9060A
Alkalinity		230		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		220		5.0	mg/L	SM 2340C
Total Dissolved Solids		240		10	mg/L	SM 2540C
280-30425-5FD	**LF1M1030UC**					
Ammonia		0.11		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.59	J	1.0	mg/L	351.2
Chemical Oxygen Demand		7.0	J	20	mg/L	410.4
Nitrate as N		0.59		0.50	mg/L	9056A
Chloride		0.33	J	3.0	mg/L	9056A
Fluoride		0.075	J	1.0	mg/L	9056A
Nitrate Nitrite as N		0.59		0.50	mg/L	9056A
Sulfate		6.0		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.78	J	1.0	mg/L	9060A
Alkalinity		230		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		210		5.0	mg/L	SM 2340C
Total Dissolved Solids		240		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30425-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30425-6	**LF1M1212UA**					
Trichloroethene		0.64	J	1.0	ug/L	8260B/DoD
Ammonia		0.083	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.80	J	1.0	mg/L	351.2
Chemical Oxygen Demand		10	J	20	mg/L	410.4
Chloride		5.0		3.0	mg/L	9056A
Sulfate		1.8	J	5.0	mg/L	9056A
Total Organic Carbon - Quad		0.66	J	1.0	mg/L	9060A
Color		25		5.0	PCU	SM 2120B
Alkalinity		160		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		150		5.0	mg/L	SM 2340C
Total Dissolved Solids		180		10	mg/L	SM 2540C
Biochemical Oxygen Demand		1.4	J	2.0	mg/L	SM5210B
280-30425-7	**MWSAR0324UA**					
1,4-Dichlorobenzene		0.73	J	1.0	ug/L	8260B/DoD
Benzene		0.34	J	1.0	ug/L	8260B/DoD
Vinyl chloride		6.0		1.5	ug/L	8260B/DoD
Ammonia		0.22		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.84	J	1.0	mg/L	351.2
Chemical Oxygen Demand		9.0	J	20	mg/L	410.4
Chloride		6.6		3.0	mg/L	9056A
Sulfate		0.40	J	5.0	mg/L	9056A
Total Organic Carbon - Quad		1.4		1.0	mg/L	9060A
Alkalinity		80		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		81		5.0	mg/L	SM 2340C
Total Dissolved Solids		120		10	mg/L	SM 2540C
Biochemical Oxygen Demand		2.8		2.5	mg/L	SM5210B
280-30425-8EB	**062512UE**					
Acetone		3.7	J	10	ug/L	8260B/DoD
Ammonia		0.078	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.46	J	1.0	mg/L	351.2
Nitrate as N		0.11	J	0.50	mg/L	9056A
Chloride		0.49	J	3.0	mg/L	9056A
Nitrate Nitrite as N		0.11	J	0.50	mg/L	9056A
Total Organic Carbon - Quad		0.25	J	1.0	mg/L	9060A
280-30425-9FB	**062512UF**					
Acetone		3.4	J	10	ug/L	8260B/DoD

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30425-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Nitrogen, Total Kjeldahl	TAL DEN	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL DEN		MCAWW 351.2
COD	TAL DEN	MCAWW 410.4	
Anions, Ion Chromatography	TAL DEN	SW846 9056A	
Organic Carbon, Total (TOC)	TAL DEN	SW846 9060A	
Color, Colorimetric	TAL DEN	SM SM 2120B	
Alkalinity	TAL DEN	SM SM 2320B	
Hardness, Total	TAL DEN	SM SM 2340C	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	
BOD, 5 Day	TAL DEN	SM SM5210B	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30425-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Meier, Greg P	GPM
MCAWW 350.1	Wolff, Brett Q	BQW
MCAWW 351.2	Woolley, Mark	MW
MCAWW 410.4	Fayard, Maria	MF
SW846 9056A	Kudla, Ewa	EK
SW846 9060A	Bandy, Darlene F	DFB
SM SM 2120B	Ayala, Delaina	DA
SM SM 2320B	Allen, Andrew J	AJA
SM SM 2340C	Allen, Andrew J	AJA
SM SM 2540C	Domnick, Brandon J	BJD
SM SM5210B	Ayala, Delaina	DA

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **LF1M0526UA**

Lab Sample ID: 280-30425-2
Client Matrix: Water

Date Sampled: 06/25/2012 1335
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4544.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1334			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1334				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.19	J	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.44	J	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	1.8		0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	1.2		0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.30	J	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc | Job Number: 280-30425-1

Client Sample ID: **LF1M0526UA**

Lab Sample ID: 280-30425-2 | Date Sampled: 06/25/2012 1335
Client Matrix: Water | Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4544.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1334			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1334				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.98	J	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	108		85 - 120
1,2-Dichloroethane-d4 (Surr)	91		70 - 120
4-Bromofluorobenzene (Surr)	102		75 - 120
Dibromofluoromethane (Surr)	98		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **LF1M0620UA**

Lab Sample ID: 280-30425-3
Client Matrix: Water

Date Sampled: 06/25/2012 1545
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4545.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1357			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1357				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.27	J	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.27	J	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **LF1M0620UA**

Lab Sample ID: 280-30425-3
Client Matrix: Water

Date Sampled: 06/25/2012 1545
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4545.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1357			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1357				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	116		85 - 120
1,2-Dichloroethane-d4 (Surr)	97		70 - 120
4-Bromofluorobenzene (Surr)	110		75 - 120
Dibromofluoromethane (Surr)	105		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **LF1M1030UA**

Lab Sample ID: 280-30425-4
Client Matrix: Water

Date Sampled: 06/25/2012 1242
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4540.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1205			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1205				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **LF1M1030UA**

Lab Sample ID: 280-30425-4
Client Matrix: Water

Date Sampled: 06/25/2012 1242
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4540.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1205			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1205				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	112		85 - 120
1,2-Dichloroethane-d4 (Surr)	91		70 - 120
4-Bromofluorobenzene (Surr)	103		75 - 120
Dibromofluoromethane (Surr)	99		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **LF1M1030UC**

Lab Sample ID: 280-30425-5FD
Client Matrix: Water

Date Sampled: 06/25/2012 1242
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4546.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1419			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1419				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **LF1M1030UC**

Lab Sample ID: 280-30425-5FD
Client Matrix: Water

Date Sampled: 06/25/2012 1242
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4546.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1419			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1419				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	111		85 - 120
1,2-Dichloroethane-d4 (Surr)	90		70 - 120
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	97		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **LF1M1212UA**

Lab Sample ID: 280-30425-6
Client Matrix: Water

Date Sampled: 06/25/2012 1131
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4547.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1441			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1441				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **LF1M1212UA**

Lab Sample ID: 280-30425-6
Client Matrix: Water

Date Sampled: 06/25/2012 1131
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4547.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1441			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1441				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.64	J	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	116		85 - 120
1,2-Dichloroethane-d4 (Surr)	95		70 - 120
4-Bromofluorobenzene (Surr)	107		75 - 120
Dibromofluoromethane (Surr)	102		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **MWSAR0324UA**

Lab Sample ID: 280-30425-7
Client Matrix: Water

Date Sampled: 06/25/2012 1532
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4548.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1504			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1504				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.73	J	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.34	J	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc | Job Number: 280-30425-1

Client Sample ID: **MWSAR0324UA**

Lab Sample ID: 280-30425-7 | Date Sampled: 06/25/2012 1532
Client Matrix: Water | Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4548.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1504			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1504				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	6.0		0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	109		85 - 120
1,2-Dichloroethane-d4 (Surr)	93		70 - 120
4-Bromofluorobenzene (Surr)	103		75 - 120
Dibromofluoromethane (Surr)	98		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **062512UE**

Lab Sample ID: 280-30425-8EB
Client Matrix: Water

Date Sampled: 06/25/2012 1615
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4549.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1526			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1526				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U Q	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U Q	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	3.7	J	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U Q	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U Q	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U Q	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U Q	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **062512UE**

Lab Sample ID: 280-30425-8EB
Client Matrix: Water

Date Sampled: 06/25/2012 1615
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4549.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1526			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1526				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U Q	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U Q	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U Q	0.19	1.0
Styrene	0.40	U Q	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U Q	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U Q	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	124	Q	85 - 120
1,2-Dichloroethane-d4 (Surr)	100		70 - 120
4-Bromofluorobenzene (Surr)	112		75 - 120
Dibromofluoromethane (Surr)	108		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **062512UF**

Lab Sample ID: 280-30425-9FB
Client Matrix: Water

Date Sampled: 06/25/2012 1145
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4550.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1548			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1548				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	3.4	J	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **062512UF**

Lab Sample ID: 280-30425-9FB
Client Matrix: Water

Date Sampled: 06/25/2012 1145
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4550.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1548			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1548				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	105		85 - 120
1,2-Dichloroethane-d4 (Surr)	88		70 - 120
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	94		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **062512UR**

Lab Sample ID: 280-30425-10TB
Client Matrix: Water

Date Sampled: 06/25/2012 0925
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4551.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1610			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1610				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Client Sample ID: **062512UR**

Lab Sample ID: 280-30425-10TB
Client Matrix: Water

Date Sampled: 06/25/2012 0925
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4551.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1610			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1610				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	112		85 - 120
1,2-Dichloroethane-d4 (Surr)	90		70 - 120
4-Bromofluorobenzene (Surr)	105		75 - 120
Dibromofluoromethane (Surr)	98		85 - 115

General Chemistry

Client Sample ID: **LF1P0525UA**

Lab Sample ID: 280-30425-1 Date Sampled: 06/25/2012 1417
Client Matrix: Water Date Received: 06/26/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.21		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1353						
Nitrogen, Kjeldahl	1.0		mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/19/2012 2323						
Prep Batch: 280-128145	Prep Date: 07/17/2012 1753						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126482	Analysis Date: 07/03/2012 0926						
Bromide	0.14	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1215						
Nitrate as N	0.068	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1215						
Chloride	8.7		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1215						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1215						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1215						
Nitrate Nitrite as N	0.068	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1215						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1215						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1215						
Total Organic Carbon - Quad	1.9		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0823						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126228	Analysis Date: 06/27/2012 0900						
Alkalinity	310		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1255						
Hardness as calcium carbonate	260		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	320		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126303	Analysis Date: 07/02/2012 0955						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0720						

General Chemistry

Client Sample ID: **LF1M0526UA**

Lab Sample ID: 280-30425-2 Date Sampled: 06/25/2012 1335
Client Matrix: Water Date Received: 06/26/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.76		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1355						
Nitrogen, Kjeldahl	2.0		mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/19/2012 2325						
Prep Batch: 280-128145	Prep Date: 07/17/2012 1753						
Chemical Oxygen Demand	9.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126482	Analysis Date: 07/03/2012 0926						
Bromide	0.18	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1232						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1232						
Chloride	11		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1232						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1232						
Fluoride	0.12	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1232						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1232						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1232						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1232						
Total Organic Carbon - Quad	2.2		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0839						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126228	Analysis Date: 06/27/2012 0900						
Alkalinity	400		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1305						
Hardness as calcium carbonate	350		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	410		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126303	Analysis Date: 07/02/2012 0955						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0722						

General Chemistry

Client Sample ID: **LF1M0620UA**

Lab Sample ID: 280-30425-3 Date Sampled: 06/25/2012 1545
Client Matrix: Water Date Received: 06/26/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.44		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1356						
Nitrogen, Kjeldahl	1.5		mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/19/2012 2326						
Prep Batch: 280-128145	Prep Date: 07/17/2012 1753						
Chemical Oxygen Demand	8.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126482	Analysis Date: 07/03/2012 0926						
Bromide	0.21	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1248						
Nitrate as N	0.052	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1248						
Chloride	18		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1248						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1248						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1248						
Nitrate Nitrite as N	0.052	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1248						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1248						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1248						
Total Organic Carbon - Quad	1.1		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0932						
Color	25		PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126228	Analysis Date: 06/27/2012 0900						
Alkalinity	360		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1310						
Hardness as calcium carbonate	290		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	380		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126303	Analysis Date: 07/02/2012 0955						
Biochemical Oxygen Demand	2.6		mg/L	0.30	2.5	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0723						

General Chemistry

Client Sample ID: **LF1M1030UA**

Lab Sample ID: 280-30425-4 Date Sampled: 06/25/2012 1242
Client Matrix: Water Date Received: 06/26/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.11	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1414						
Nitrogen, Kjeldahl	0.70	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/19/2012 2327						
Prep Batch: 280-128145	Prep Date: 07/17/2012 1753						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126482	Analysis Date: 07/03/2012 0926						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1305						
Nitrate as N	0.58		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1305						
Chloride	1.9	J	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1305						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1305						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1305						
Nitrate Nitrite as N	0.58		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1305						
Orthophosphate as P	0.20	U J	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1305						
Sulfate	6.0		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1305						
Total Organic Carbon - Quad	0.69	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0950						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126228	Analysis Date: 06/27/2012 0900						
Alkalinity	230		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1314						
Hardness as calcium carbonate	220		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	240		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126303	Analysis Date: 07/02/2012 0955						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0724						

General Chemistry

Client Sample ID: **LF1M1030UC**

Lab Sample ID: 280-30425-5FD Date Sampled: 06/25/2012 1242
Client Matrix: Water Date Received: 06/26/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.11		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1419						
Nitrogen, Kjeldahl	0.59	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/19/2012 2335						
Prep Batch: 280-128145	Prep Date: 07/17/2012 1753						
Chemical Oxygen Demand	7.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126482	Analysis Date: 07/03/2012 0926						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1412						
Nitrate as N	0.59		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1412						
Chloride	0.33	J	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1412						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1412						
Fluoride	0.075	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1412						
Nitrate Nitrite as N	0.59		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1412						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1412						
Sulfate	6.0		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1412						
Total Organic Carbon - Quad	0.78	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 1043						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126228	Analysis Date: 06/27/2012 0900						
Alkalinity	230		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1319						
Hardness as calcium carbonate	210		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	240		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126303	Analysis Date: 07/02/2012 0955						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0725						

General Chemistry

Client Sample ID: **LF1M1212UA**

Lab Sample ID: 280-30425-6 Date Sampled: 06/25/2012 1131
Client Matrix: Water Date Received: 06/26/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.083	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1420						
Nitrogen, Kjeldahl	0.80	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/19/2012 2336						
Prep Batch: 280-128145	Prep Date: 07/17/2012 1753						
Chemical Oxygen Demand	10	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126482	Analysis Date: 07/03/2012 0926						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1503						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1503						
Chloride	5.0		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1503						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1503						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1503						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1503						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1503						
Sulfate	1.8	J	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1503						
Total Organic Carbon - Quad	0.66	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 1102						
Color	25		PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126228	Analysis Date: 06/27/2012 0900						
Alkalinity	160		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1325						
Hardness as calcium carbonate	150		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	180		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126303	Analysis Date: 07/02/2012 0955						
Biochemical Oxygen Demand	1.4	J	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0728						

General Chemistry

Client Sample ID: **MWSAR0324UA**

Lab Sample ID: 280-30425-7 Date Sampled: 06/25/2012 1532
Client Matrix: Water Date Received: 06/26/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.22		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1422						
Nitrogen, Kjeldahl	0.84	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/19/2012 2337						
Prep Batch: 280-128145	Prep Date: 07/17/2012 1753						
Chemical Oxygen Demand	9.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126498	Analysis Date: 07/03/2012 1007						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1520						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1520						
Chloride	6.6		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1520						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1520						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1520						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1520						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1520						
Sulfate	0.40	J	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1520						
Total Organic Carbon - Quad	1.4		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 1119						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126228	Analysis Date: 06/27/2012 0900						
Alkalinity	80		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1338						
Hardness as calcium carbonate	81		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	120		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126303	Analysis Date: 07/02/2012 0955						
Biochemical Oxygen Demand	2.8		mg/L	0.30	2.5	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0730						

General Chemistry

Client Sample ID: **062512UE**

Lab Sample ID: 280-30425-8EB Date Sampled: 06/25/2012 1615
Client Matrix: Water Date Received: 06/26/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.078	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1423						
Nitrogen, Kjeldahl	0.46	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/19/2012 2341						
Prep Batch: 280-128145	Prep Date: 07/17/2012 1753						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126498	Analysis Date: 07/03/2012 1007						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1537						
Nitrate as N	0.11	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1537						
Chloride	0.49	J	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1537						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1537						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1537						
Nitrate Nitrite as N	0.11	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1537						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125720	Analysis Date: 06/26/2012 1537						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125721	Analysis Date: 06/26/2012 1537						
Total Organic Carbon - Quad	0.25	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 1136						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126228	Analysis Date: 06/27/2012 0900						
Alkalinity	2.0	U	mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1342						
Hardness as calcium carbonate	1.5	U	mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	10	U	mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126303	Analysis Date: 07/02/2012 0955						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0731						

Client: FPM Remediations Inc

Job Number: 280-30425-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-30425-2	LF1M0526UA	98	91	108	102
280-30425-3	LF1M0620UA	105	97	116	110
280-30425-4	LF1M1030UA	99	91	112	103
280-30425-5	LF1M1030UC	97	90	111	100
280-30425-6	LF1M1212UA	102	95	116	107
280-30425-7	MWSAR0324UA	98	93	109	103
280-30425-8	062512UE	108	100	124Q	112
280-30425-9	062512UF	94	88	105	100
280-30425-10	062512UR	98	90	112	105
MB 280-126758/6		101	94	116	107
LCS 280-126758/4		91	90	109	95
LCSD 280-126758/5		86	86	107	93
280-30425-4 MS	LF1M1030UA MS	91	90	108	97
280-30425-4 MSD	LF1M1030UA MSD	94	92	116	101

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Client: FPM Remediations Inc

Job Number: 280-30425-1

Method Blank - Batch: 280-126758

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-126758/6	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H4534.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 0950	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 0950				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Method Blank - Batch: 280-126758

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-126758/6	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H4534.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 0950	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 0950				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	116	85 - 120
1,2-Dichloroethane-d4 (Surr)	94	70 - 120
4-Bromofluorobenzene (Surr)	107	75 - 120
Dibromofluoromethane (Surr)	101	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126758

Method: 8260B/DoD
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-126758/4	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H4532.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 0906	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 0906				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126758/5	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H4533.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 0928	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 0928				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	93	98	80 - 130	5	30		
1,1,1-Trichloroethane	90	93	65 - 130	3	30		
1,2,3-Trichloropropane	90	98	75 - 125	8	30		
1,2,3-Trichlorobenzene	90	98	55 - 140	9	30		
1,1-Dichloroethane	99	102	70 - 135	3	30		
1,2,4-Trichlorobenzene	92	98	65 - 135	7	30		
1,2-Dibromo-3-Chloropropane	93	94	50 - 130	1	30	J	J
1,1-Dichloropropene	99	102	75 - 130	3	30		
1,1-Dichloroethene	114	115	70 - 130	1	30		
1,1,2-Trichloroethane	99	99	75 - 125	0	30		
1,1,2,2-Tetrachloroethane	93	96	65 - 130	3	30		
1,2,4-Trimethylbenzene	88	94	75 - 130	6	30		
1,2-Dichlorobenzene	95	100	70 - 120	5	30		
1,2-Dichloroethane	93	95	70 - 130	2	30		
1,3-Dichlorobenzene	90	97	75 - 125	7	30		
1,3-Dichloropropane	96	99	75 - 125	3	30		
1,3,5-Trimethylbenzene	89	96	75 - 130	7	30		
2-Butanone (MEK)	85	84	30 - 150	1	30		
1,4-Dichlorobenzene	100	107	75 - 125	7	30		
1,2-Dichloropropane	95	99	75 - 125	3	30		
2,2-Dichloropropane	96	98	70 - 135	3	30		
2-Hexanone	81	79	55 - 130	2	30		
4-Methyl-2-pentanone (MIBK)	89	88	60 - 135	1	30		
4-Isopropyltoluene	88	94	75 - 130	7	30		
Benzene	104	107	80 - 120	3	30		
Acetone	109	98	40 - 140	10	30		
Bromobenzene	95	102	75 - 125	7	30		
Bromoform	98	101	70 - 130	3	30		
Bromomethane	86	87	30 - 145	1	30		
Carbon tetrachloride	91	94	65 - 140	4	30		
Carbon disulfide	88	86	35 - 160	3	30		
2-Chlorotoluene	90	95	75 - 125	6	30		
4-Chlorotoluene	90	95	75 - 130	5	30		
Chlorobenzene	97	104	80 - 120	7	30		
Chlorobromomethane	102	108	65 - 130	5	30		
Chlorodibromomethane	92	96	60 - 135	4	30		

Client: FPM Remediations Inc

Job Number: 280-30425-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126758

Method: 8260B/DoD
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-126758/4	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H4532.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 0906	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 0906				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126758/5	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H4533.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 0928	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 0928				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloroform	94	99	65 - 135	5	30		
Chloroethane	87	88	60 - 135	1	30		
Chloromethane	76	77	40 - 125	2	30		
cis-1,2-Dichloroethene	104	106	70 - 125	2	30		
cis-1,3-Dichloropropene	98	101	70 - 130	4	30		
Dibromomethane	96	97	75 - 125	1	30		
Dichlorobromomethane	94	96	75 - 120	2	30		
Dichlorodifluoromethane	44	47	30 - 155	6	30		
Ethylbenzene	98	103	75 - 125	5	30		
Hexachlorobutadiene	91	98	50 - 140	7	30		
Isopropylbenzene	90	97	75 - 125	8	30		
Ethylene Dibromide	93	95	80 - 120	3	30		
Methylene Chloride	73	76	55 - 140	4	30	J	J
Methyl tert-butyl ether	93	93	65 - 125	0	30	J	J
m-Xylene & p-Xylene	96	101	75 - 130	5	30		
Naphthalene	93	98	55 - 140	5	30		
n-Butylbenzene	92	99	70 - 135	7	30		
N-Propylbenzene	88	93	70 - 130	5	30		
o-Xylene	94	100	80 - 120	7	30		
Styrene	97	103	65 - 135	6	30		
sec-Butylbenzene	94	100	70 - 125	6	30		
tert-Butylbenzene	88	95	70 - 130	8	30		
trans-1,2-Dichloroethene	105	110	60 - 140	4	30		
trans-1,3-Dichloropropene	98	98	55 - 140	0	30		
Tetrachloroethene	99	107	45 - 150	8	30		
Toluene	103	105	75 - 120	3	30		
Trichloroethene	95	102	70 - 125	7	30		
Trichlorofluoromethane	77	78	60 - 145	2	30		
Vinyl chloride	82	82	50 - 145	0	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	109	107	85 - 120
1,2-Dichloroethane-d4 (Surr)	90	86	70 - 120
4-Bromofluorobenzene (Surr)	95	93	75 - 120
Dibromofluoromethane (Surr)	91	86	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126758

Method: 8260B/DoD
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-126758/4	Units: ug/L		LCSD Lab Sample ID:	LCSD 280-126758/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/05/2012 0906			Analysis Date:	07/05/2012 0928
Prep Date:	07/05/2012 0906			Prep Date:	07/05/2012 0928
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1,2-Tetrachloroethane	5.00	5.00	4.63	4.88
1,1,1-Trichloroethane	5.00	5.00	4.52	4.64
1,2,3-Trichloropropane	5.00	5.00	4.50	4.88
1,2,3-Trichlorobenzene	5.00	5.00	4.51	4.92
1,1-Dichloroethane	5.00	5.00	4.95	5.11
1,2,4-Trichlorobenzene	5.00	5.00	4.61	4.92
1,2-Dibromo-3-Chloropropane	5.00	5.00	4.65 J	4.70 J
1,1-Dichloropropene	5.00	5.00	4.93	5.10
1,1-Dichloroethene	5.00	5.00	5.68	5.76
1,1,2-Trichloroethane	5.00	5.00	4.95	4.93
1,1,2,2-Tetrachloroethane	5.00	5.00	4.66	4.82
1,2,4-Trimethylbenzene	5.00	5.00	4.42	4.70
1,2-Dichlorobenzene	5.00	5.00	4.76	5.00
1,2-Dichloroethane	5.00	5.00	4.66	4.77
1,3-Dichlorobenzene	5.00	5.00	4.52	4.83
1,3-Dichloropropane	5.00	5.00	4.79	4.93
1,3,5-Trimethylbenzene	5.00	5.00	4.46	4.80
2-Butanone (MEK)	20.0	20.0	17.0	16.8
1,4-Dichlorobenzene	5.00	5.00	4.99	5.34
1,2-Dichloropropane	5.00	5.00	4.77	4.93
2,2-Dichloropropane	5.00	5.00	4.78	4.92
2-Hexanone	20.0	20.0	16.2	15.9
4-Methyl-2-pentanone (MIBK)	20.0	20.0	17.9	17.6
4-Isopropyltoluene	5.00	5.00	4.42	4.72
Benzene	5.00	5.00	5.22	5.36
Acetone	20.0	20.0	21.7	19.6
Bromobenzene	5.00	5.00	4.75	5.11
Bromoform	5.00	5.00	4.92	5.04
Bromomethane	5.00	5.00	4.30	4.36
Carbon tetrachloride	5.00	5.00	4.53	4.70
Carbon disulfide	5.00	5.00	4.42	4.30
2-Chlorotoluene	5.00	5.00	4.48	4.76
4-Chlorotoluene	5.00	5.00	4.50	4.76
Chlorobenzene	5.00	5.00	4.86	5.19
Chlorobromomethane	5.00	5.00	5.12	5.38
Chlorodibromomethane	5.00	5.00	4.61	4.81
Chloroform	5.00	5.00	4.72	4.95
Chloroethane	5.00	5.00	4.36	4.41
Chloromethane	5.00	5.00	3.79	3.87

Client: FPM Remediations Inc

Job Number: 280-30425-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126758

Method: 8260B/DoD
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-126758/4	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-126758/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/05/2012 0906			Analysis Date:	07/05/2012 0928
Prep Date:	07/05/2012 0906			Prep Date:	07/05/2012 0928
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
cis-1,2-Dichloroethene	5.00	5.00	5.19		5.30	
cis-1,3-Dichloropropene	5.00	5.00	4.90		5.07	
Dibromomethane	5.00	5.00	4.80		4.85	
Dichlorobromomethane	5.00	5.00	4.72		4.80	
Dichlorodifluoromethane	5.00	5.00	2.20		2.33	
Ethylbenzene	5.00	5.00	4.90		5.16	
Hexachlorobutadiene	5.00	5.00	4.56		4.90	
Isopropylbenzene	5.00	5.00	4.51		4.87	
Ethylene Dibromide	5.00	5.00	4.63		4.77	
Methylene Chloride	5.00	5.00	3.65	J	3.78	J
Methyl tert-butyl ether	5.00	5.00	4.66	J	4.65	J
m-Xylene & p-Xylene	10.0	10.0	9.65		10.1	
Naphthalene	5.00	5.00	4.66		4.90	
n-Butylbenzene	5.00	5.00	4.61		4.96	
N-Propylbenzene	5.00	5.00	4.42		4.66	
o-Xylene	5.00	5.00	4.68		5.00	
Styrene	5.00	5.00	4.86		5.14	
sec-Butylbenzene	5.00	5.00	4.70		5.02	
tert-Butylbenzene	5.00	5.00	4.41		4.76	
trans-1,2-Dichloroethene	5.00	5.00	5.27		5.50	
trans-1,3-Dichloropropene	5.00	5.00	4.90		4.90	
Tetrachloroethene	5.00	5.00	4.96		5.37	
Toluene	5.00	5.00	5.14		5.27	
Trichloroethene	5.00	5.00	4.76		5.09	
Trichlorofluoromethane	5.00	5.00	3.84		3.90	
Vinyl chloride	5.00	5.00	4.11		4.12	

Client: FPM Remediations Inc

Job Number: 280-30425-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126758

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-30425-4	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H4541.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1228			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1228				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30425-4	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H4542.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1250			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1250				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	97	104	80 - 130	7	30		
1,1,1-Trichloroethane	95	93	65 - 130	2	30		
1,2,3-Trichloropropane	91	100	75 - 125	9	30		
1,2,3-Trichlorobenzene	89	99	55 - 140	11	30		
1,1-Dichloroethane	102	103	70 - 135	1	30		
1,2,4-Trichlorobenzene	91	98	65 - 135	7	30		
1,2-Dibromo-3-Chloropropane	91	100	50 - 130	9	30	J	J
1,1-Dichloropropene	98	98	75 - 130	0	30		
1,1-Dichloroethene	116	115	70 - 130	1	30		
1,1,2-Trichloroethane	100	105	75 - 125	4	30		
1,1,2,2-Tetrachloroethane	94	99	65 - 130	5	30		
1,2,4-Trimethylbenzene	92	96	75 - 130	4	30		
1,2-Dichlorobenzene	96	102	70 - 120	7	30		
1,2-Dichloroethane	92	97	70 - 130	5	30		
1,3-Dichlorobenzene	98	96	75 - 125	2	30		
1,3-Dichloropropane	94	101	75 - 125	7	30		
1,3,5-Trimethylbenzene	93	96	75 - 130	3	30		
2-Butanone (MEK)	80	88	30 - 150	10	30		
1,4-Dichlorobenzene	99	110	75 - 125	10	30		
1,2-Dichloropropane	96	98	75 - 125	3	30		
2,2-Dichloropropane	100	94	70 - 135	6	30		
2-Hexanone	72	80	55 - 130	10	30		
4-Methyl-2-pentanone (MIBK)	87	92	60 - 135	5	30		
4-Isopropyltoluene	91	94	75 - 130	4	30		
Benzene	104	106	80 - 120	1	30		
Acetone	94	87	40 - 140	8	30		
Bromobenzene	100	103	75 - 125	4	30		
Bromoform	96	106	70 - 130	9	30		
Bromomethane	86	88	30 - 145	3	30		
Carbon tetrachloride	91	93	65 - 140	2	30		
Carbon disulfide	85	91	35 - 160	7	30		
2-Chlorotoluene	93	95	75 - 125	2	30		
4-Chlorotoluene	91	99	75 - 130	8	30		

Client: FPM Remediations Inc

Job Number: 280-30425-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126758

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-30425-4	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H4541.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1228			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1228				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30425-4	Analysis Batch:	280-126758	Instrument ID:	MSV_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H4542.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/05/2012 1250			Final Weight/Volume:	20 mL
Prep Date:	07/05/2012 1250				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chlorobenzene	99	106	80 - 120	6	30		
Chlorobromomethane	105	108	65 - 130	3	30		
Chlorodibromomethane	92	100	60 - 135	8	30		
Chloroform	99	100	65 - 135	1	30		
Chloroethane	90	93	60 - 135	3	30		
Chloromethane	76	82	40 - 125	8	30		
cis-1,2-Dichloroethene	106	106	70 - 125	1	30		
cis-1,3-Dichloropropene	101	104	70 - 130	3	30		
Dibromomethane	98	101	75 - 125	3	30		
Dichlorobromomethane	97	99	75 - 120	2	30		
Dichlorodifluoromethane	50	49	30 - 155	2	30		
Ethylbenzene	95	103	75 - 125	8	30		
Hexachlorobutadiene	94	97	50 - 140	3	30		
Isopropylbenzene	94	97	75 - 125	3	30		
Ethylene Dibromide	88	98	80 - 120	11	30		
Methylene Chloride	77	79	55 - 140	3	30	J	J
Methyl tert-butyl ether	93	97	65 - 125	4	30	J	J
m-Xylene & p-Xylene	96	104	75 - 130	8	30		
Naphthalene	89	95	55 - 140	7	30		
n-Butylbenzene	94	96	70 - 135	3	30		
N-Propylbenzene	90	94	70 - 130	4	30		
o-Xylene	96	102	80 - 120	7	30		
Styrene	99	106	65 - 135	7	30		
sec-Butylbenzene	95	98	70 - 125	3	30		
tert-Butylbenzene	92	95	70 - 130	3	30		
trans-1,2-Dichloroethene	107	108	60 - 140	1	30		
trans-1,3-Dichloropropene	99	105	55 - 140	6	30		
Tetrachloroethene	104	108	45 - 150	4	30		
Toluene	104	107	75 - 120	3	30		
Trichloroethene	101	102	70 - 125	1	30		
Trichlorofluoromethane	80	82	60 - 145	3	30		
Vinyl chloride	81	81	50 - 145	0	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: FPM Remediations Inc

Job Number: 280-30425-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	108	116	85 - 120
1,2-Dichloroethane-d4 (Surr)	90	92	70 - 120
4-Bromofluorobenzene (Surr)	97	101	75 - 120
Dibromofluoromethane (Surr)	91	94	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30425-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126758

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-30425-4	Units: ug/L	MSD Lab Sample ID:	280-30425-4	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	07/05/2012 1228		Analysis Date:	07/05/2012 1250	
Prep Date:	07/05/2012 1228		Prep Date:	07/05/2012 1250	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1,1,2-Tetrachloroethane	0.20	U	5.00	5.00	4.84		5.21	
1,1,1-Trichloroethane	0.20	U	5.00	5.00	4.75		4.67	
1,2,3-Trichloropropane	0.80	U	5.00	5.00	4.57		5.01	
1,2,3-Trichlorobenzene	0.40	U	5.00	5.00	4.46		4.97	
1,1-Dichloroethane	0.20	U	5.00	5.00	5.12		5.15	
1,2,4-Trichlorobenzene	0.80	U	5.00	5.00	4.56		4.90	
1,2-Dibromo-3-Chloropropane	1.6	U	5.00	5.00	4.56	J	4.99	J
1,1-Dichloropropene	0.40	U	5.00	5.00	4.90		4.88	
1,1-Dichloroethene	0.20	U	5.00	5.00	5.78		5.73	
1,1,2-Trichloroethane	0.40	U	5.00	5.00	5.01		5.23	
1,1,2,2-Tetrachloroethane	0.40	U	5.00	5.00	4.68		4.94	
1,2,4-Trimethylbenzene	0.20	U	5.00	5.00	4.60		4.81	
1,2-Dichlorobenzene	0.20	U	5.00	5.00	4.78		5.12	
1,2-Dichloroethane	0.20	U	5.00	5.00	4.59		4.83	
1,3-Dichlorobenzene	0.20	U	5.00	5.00	4.92		4.82	
1,3-Dichloropropane	0.20	U	5.00	5.00	4.71		5.04	
1,3,5-Trimethylbenzene	0.40	U	5.00	5.00	4.64		4.78	
2-Butanone (MEK)	3.2	U	20.0	20.0	15.9		17.7	
1,4-Dichlorobenzene	0.40	U	5.00	5.00	4.96		5.49	
1,2-Dichloropropane	0.20	U	5.00	5.00	4.79		4.91	
2,2-Dichloropropane	0.40	U	5.00	5.00	4.99		4.71	
2-Hexanone	3.2	U	20.0	20.0	14.5		16.0	
4-Methyl-2-pentanone (MIBK)	3.2	U	20.0	20.0	17.4		18.4	
4-Isopropyltoluene	0.40	U	5.00	5.00	4.53		4.70	
Benzene	0.20	U	5.00	5.00	5.20		5.28	
Acetone	6.4	U	20.0	20.0	18.7		17.3	
Bromobenzene	0.20	U	5.00	5.00	4.98		5.16	
Bromoform	0.40	U	5.00	5.00	4.82		5.28	
Bromomethane	0.40	U	5.00	5.00	4.28		4.40	
Carbon tetrachloride	0.40	U	5.00	5.00	4.55		4.66	
Carbon disulfide	0.80	U	5.00	5.00	4.23		4.55	
2-Chlorotoluene	0.40	U	5.00	5.00	4.65		4.74	
4-Chlorotoluene	0.40	U	5.00	5.00	4.57		4.96	
Chlorobenzene	0.20	U	5.00	5.00	4.96		5.29	
Chlorobromomethane	0.20	U	5.00	5.00	5.25		5.40	
Chlorodibromomethane	0.40	U	5.00	5.00	4.58		4.98	
Chloroform	0.20	U	5.00	5.00	4.95		4.98	
Chloroethane	1.6	U	5.00	5.00	4.51		4.63	
Chloromethane	0.80	U	5.00	5.00	3.79		4.11	
cis-1,2-Dichloroethene	0.20	U	5.00	5.00	5.32		5.28	
cis-1,3-Dichloropropene	0.20	U	5.00	5.00	5.04		5.20	
Dibromomethane	0.40	U	5.00	5.00	4.89		5.06	
Dichlorobromomethane	0.20	U	5.00	5.00	4.86		4.96	

Client: FPM Remediations Inc

Job Number: 280-30425-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126758

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-30425-4	Units:	ug/L	MSD Lab Sample ID:	280-30425-4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/05/2012 1228			Analysis Date:	07/05/2012 1250
Prep Date:	07/05/2012 1228			Prep Date:	07/05/2012 1250
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Dichlorodifluoromethane	0.80	U	5.00	5.00	2.48		2.43	
Ethylbenzene	0.20	U	5.00	5.00	4.76		5.16	
Hexachlorobutadiene	0.40	U	5.00	5.00	4.70		4.84	
Isopropylbenzene	0.40	U	5.00	5.00	4.69		4.84	
Ethylene Dibromide	0.20	U	5.00	5.00	4.40		4.92	
Methylene Chloride	0.40	U	5.00	5.00	3.86	J	3.96	J
Methyl tert-butyl ether	0.40	U	5.00	5.00	4.64	J	4.85	J
m-Xylene & p-Xylene	0.80	U	10.0	10.0	9.61		10.4	
Naphthalene	0.80	U	5.00	5.00	4.46		4.77	
n-Butylbenzene	0.40	U	5.00	5.00	4.69		4.82	
N-Propylbenzene	0.20	U	5.00	5.00	4.52		4.70	
o-Xylene	0.40	U	5.00	5.00	4.79		5.12	
Styrene	0.40	U	5.00	5.00	4.94		5.31	
sec-Butylbenzene	0.40	U	5.00	5.00	4.76		4.92	
tert-Butylbenzene	0.40	U	5.00	5.00	4.60		4.75	
trans-1,2-Dichloroethene	0.20	U	5.00	5.00	5.33		5.39	
trans-1,3-Dichloropropene	0.40	U	5.00	5.00	4.93		5.26	
Tetrachloroethene	0.40	U	5.00	5.00	5.18		5.38	
Toluene	0.40	U	5.00	5.00	5.20		5.34	
Trichloroethene	0.20	U	5.00	5.00	5.05		5.09	
Trichlorofluoromethane	0.80	U	5.00	5.00	3.98		4.08	
Vinyl chloride	0.80	U	5.00	5.00	4.05		4.05	

Client: FPM Remediations Inc

Job Number: 280-30425-1

Method Blank - Batch: 280-127015

Method: 350.1
Preparation: N/A

Lab Sample ID:	MB 280-127015/20	Analysis Batch:	280-127015	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0709NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/09/2012 1145	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Ammonia	0.0381	J	0.022	0.10

Method Blank - Batch: 280-127015

Method: 350.1
Preparation: N/A

Lab Sample ID:	MB 280-127015/109	Analysis Batch:	280-127015	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0709NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/09/2012 1359	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Ammonia	0.0462	J	0.022	0.10

Client: FPM Remediations Inc

Job Number: 280-30425-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-127015

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-127015/70	Analysis Batch:	280-127015	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0709NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/09/2012 1301	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-127015/71	Analysis Batch:	280-127015	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0709NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/09/2012 1302	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	100	101	90 - 110	0	10		

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-127015

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-127015/117	Analysis Batch:	280-127015	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0709NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/09/2012 1411	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-127015/118	Analysis Batch:	280-127015	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0709NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/09/2012 1413	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	101	101	90 - 110	0	10		

Client: FPM Remediations Inc

Job Number: 280-30425-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-127015

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-127015/70	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-127015/71
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/09/2012 1301			Analysis Date:	07/09/2012 1302
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ammonia	5.00	5.00	5.02	5.03

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-127015

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-127015/117	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-127015/118
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/09/2012 1411			Analysis Date:	07/09/2012 1413
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ammonia	5.00	5.00	5.05	5.04

Client: FPM Remediations Inc

Job Number: 280-30425-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127015

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-30425-4	Analysis Batch:	280-127015	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0709NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/09/2012 1416			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30425-4	Analysis Batch:	280-127015	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0709NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/09/2012 1417			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	41	40	90 - 110	1	20	J	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127015

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-30425-4	Units:	mg/L	MSD Lab Sample ID:	280-30425-4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/09/2012 1416			Analysis Date:	07/09/2012 1417
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Ammonia	0.11	4.00	4.00	1.74	J	1.73	J

Client: FPM Remediations Inc

Job Number: 280-30425-1

Method Blank - Batch: 280-128145

Method: 351.2
Preparation: 351.2

Lab Sample ID:	MB 280-128145/3-A	Analysis Batch:	280-128608	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-128145	Lab File ID:	071912TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/19/2012 2318	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/17/2012 1753				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrogen, Kjeldahl	0.280	J	0.077	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-128145

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 280-128145/1-A	Analysis Batch:	280-128608	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-128145	Lab File ID:	071912TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/19/2012 2313	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/17/2012 1753				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-128145/2-A	Analysis Batch:	280-128608	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-128145	Lab File ID:	071912TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/19/2012 2315	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/17/2012 1753				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrogen, Kjeldahl	101	101	90 - 110	0	25		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-128145

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 280-128145/1-A	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-128145/2-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/19/2012 2313			Analysis Date:	07/19/2012 2315
Prep Date:	07/17/2012 1753			Prep Date:	07/17/2012 1753
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrogen, Kjeldahl	6.00	6.00	6.05	6.07

Client: FPM Remediations Inc

Job Number: 280-30425-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-128145

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	280-30425-4	Analysis Batch:	280-128608	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-128145	Lab File ID:	071912TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/19/2012 2328			Final Weight/Volume:	25 mL
Prep Date:	07/17/2012 1753				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30425-4	Analysis Batch:	280-128608	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-128145	Lab File ID:	071912TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/19/2012 2330			Final Weight/Volume:	25 mL
Prep Date:	07/17/2012 1753				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrogen, Kjeldahl	63	63	90 - 110	0	25	J	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-128145

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	280-30425-4	Units:	mg/L	MSD Lab Sample ID:	280-30425-4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/19/2012 2328			Analysis Date:	07/19/2012 2330
Prep Date:	07/17/2012 1753			Prep Date:	07/17/2012 1753
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitrogen, Kjeldahl	0.70 J	3.00	3.00	2.60 J	2.59 J

Client: FPM Remediations Inc

Job Number: 280-30425-1

Method Blank - Batch: 280-126482

Method: 410.4
Preparation: N/A

Lab Sample ID:	MB 280-126482/5	Analysis Batch:	280-126482	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	07/03/2012 0926	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Chemical Oxygen Demand	10	U	4.1	20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126482

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126482/3	Analysis Batch:	280-126482	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/03/2012 0926	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126482/4	Analysis Batch:	280-126482	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/03/2012 0926	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chemical Oxygen Demand	95	97	90 - 110	2	11		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126482

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126482/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126482/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/03/2012 0926			Analysis Date:	07/03/2012 0926
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chemical Oxygen Demand	100	100	94.7	96.7

Client: FPM Remediations Inc

Job Number: 280-30425-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126482

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-30425-4	Analysis Batch:	280-126482	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/03/2012 0926			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30425-4	Analysis Batch:	280-126482	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/03/2012 0926			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chemical Oxygen Demand	100	95	90 - 110	5	11		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126482

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-30425-4	Units:	mg/L	MSD Lab Sample ID:	280-30425-4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/03/2012 0926			Analysis Date:	07/03/2012 0926
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chemical Oxygen Demand	10	U	50.0	50.0	50.0	47.6

Client: FPM Remediations Inc

Job Number: 280-30425-1

Method Blank - Batch: 280-126498

Method: 410.4
Preparation: N/A

Lab Sample ID:	MB 280-126498/5	Analysis Batch:	280-126498	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	07/03/2012 1007	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Chemical Oxygen Demand	10	U	4.1	20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126498

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126498/3	Analysis Batch:	280-126498	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/03/2012 1007	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126498/4	Analysis Batch:	280-126498	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/03/2012 1007	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chemical Oxygen Demand	98	100	90 - 110	2	11		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126498

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126498/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126498/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/03/2012 1007			Analysis Date:	07/03/2012 1007
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chemical Oxygen Demand	100	100	98.4	100

Client: FPM Remediations Inc

Job Number: 280-30425-1

Method Blank - Batch: 280-125720

Method: 9056A
Preparation: N/A

Lab Sample ID:	MB 280-125720/7	Analysis Batch:	280-125720	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	116.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1059	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrate as N	0.10	U	0.042	0.50
Nitrite as N	0.10	U	0.049	0.50
Nitrate Nitrite as N	0.10	U	0.042	0.50
Orthophosphate as P	0.20	U	0.19	0.50

Method Reporting Limit Check - Batch: 280-125720

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-125720/3	Analysis Batch:	280-125720	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 0930	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate as N	0.200	0.204	102	50 - 150	J
Nitrite as N	0.200	0.204	102	50 - 150	J

Method Reporting Limit Check - Batch: 280-125720

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-125720/6	Analysis Batch:	280-125720	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	115.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1042	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Orthophosphate as P	0.500	0.345	69	50 - 150	J

Client: FPM Remediations Inc

Job Number: 280-30425-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125720

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125720/4	Analysis Batch:	280-125720	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 0947	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125720/5	Analysis Batch:	280-125720	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1004	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrate as N	100	100	87 - 110	0	10		
Nitrite as N	99	99	87 - 112	0	10		
Orthophosphate as P	95	98	90 - 110	2	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125720

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125720/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125720/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/26/2012 0947			Analysis Date:	06/26/2012 1004
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrate as N	5.00	5.00	5.00	5.01
Nitrite as N	5.00	5.00	4.97	4.95
Orthophosphate as P	5.00	5.00	4.76	4.88

Client: FPM Remediations Inc

Job Number: 280-30425-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125720

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30425-4	Analysis Batch:	280-125720	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	124.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1339			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30425-4	Analysis Batch:	280-125720	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	125.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1356			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate as N	102	105	87 - 110	3	10		
Nitrite as N	100	103	87 - 112	3	10		
Orthophosphate as P	115	122	80 - 120	6	20		J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125720

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30425-4	Units:	mg/L	MSD Lab Sample ID:	280-30425-4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/26/2012 1339			Analysis Date:	06/26/2012 1356
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Nitrate as N	0.58		5.00	5.00	5.70	5.85	
Nitrite as N	0.10	U	5.00	5.00	5.00	5.13	
Orthophosphate as P	0.20	U	5.00	5.00	5.75	6.10	J

Client: FPM Remediations Inc

Job Number: 280-30425-1

Duplicate - Batch: 280-125720

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30425-4	Analysis Batch:	280-125720	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	123.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1322	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Nitrate as N	0.58		0.581	0	15	
Nitrite as N	0.10	U	0.10	NC	15	U
Orthophosphate as P	0.20	U	0.20	NC	15	U

Client: FPM Remediations Inc

Job Number: 280-30425-1

Method Blank - Batch: 280-125721

Method: 9056A
Preparation: N/A

Lab Sample ID:	MB 280-125721/7	Analysis Batch:	280-125721	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	116.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1059	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Bromide	0.20	U	0.11	0.50
Chloride	0.50	U	0.25	3.0
Fluoride	0.10	U	0.060	1.0
Sulfate	0.50	U	0.23	5.0

Method Reporting Limit Check - Batch: 280-125721

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-125721/3	Analysis Batch:	280-125721	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 0930	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	0.200	0.211	106	50 - 150	
Chloride	1.00	1.02	102	50 - 150	J
Fluoride	0.200	0.182	91	50 - 150	J
Sulfate	1.00	0.898	90	50 - 150	J

Client: FPM Remediations Inc

Job Number: 280-30425-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125721

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125721/4	Analysis Batch:	280-125721	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 0947	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125721/5	Analysis Batch:	280-125721	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1004	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bromide	99	99	86 - 110	0	10		
Chloride	100	100	89 - 110	0	10		
Fluoride	101	101	88 - 111	0	10		
Sulfate	100	100	86 - 110	0	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125721

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125721/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125721/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/26/2012 0947			Analysis Date:	06/26/2012 1004
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Bromide	5.00	5.00	4.97	4.96
Chloride	25.0	25.0	25.1	25.1
Fluoride	5.00	5.00	5.06	5.06
Sulfate	25.0	25.0	25.0	25.0

Client: FPM Remediations Inc

Job Number: 280-30425-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125721

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30425-4	Analysis Batch:	280-125721	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	124.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1339			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30425-4	Analysis Batch:	280-125721	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	125.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1356			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromide	103	106	86 - 110	3	10		
Chloride	99	102	89 - 110	3	10		
Fluoride	100	103	88 - 111	3	10		
Sulfate	102	105	86 - 110	2	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125721

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30425-4	Units:	mg/L	MSD Lab Sample ID:	280-30425-4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/26/2012 1339			Analysis Date:	06/26/2012 1356
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

	Sample		MS Spike	MSD Spike	MS	MSD
Analyte	Result/Qual		Amount	Amount	Result/Qual	Result/Qual
Bromide	0.20	U	5.00	5.00	5.14	5.30
Chloride	1.9	J	25.0	25.0	26.6	27.4
Fluoride	0.10	U	5.00	5.00	4.98	5.14
Sulfate	6.0		25.0	25.0	31.5	32.1

Client: FPM Remediations Inc

Job Number: 280-30425-1

Duplicate - Batch: 280-125721

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30425-4	Analysis Batch:	280-125721	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	123.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1322	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Bromide	0.20	U	0.20	NC	15	U
Chloride	1.9	J	0.363	135	15	J
Fluoride	0.10	U	0.10	NC	15	U
Sulfate	6.0		5.89	1	15	

Client: FPM Remediations Inc

Job Number: 280-30425-1

Method Blank - Batch: 280-128057

Method: 9060A
Preparation: N/A

Lab Sample ID:	MB 280-128057/34	Analysis Batch:	280-128057	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071612.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/17/2012 0345	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Total Organic Carbon - Quad	0.40	U	0.16	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-128057

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128057/32	Analysis Batch:	280-128057	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071612.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/17/2012 0304	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-128057/33	Analysis Batch:	280-128057	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071612.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/17/2012 0325	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon - Quad	98	98	86 - 114	0	12		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-128057

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128057/32	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-128057/33
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/17/2012 0304			Analysis Date:	07/17/2012 0325
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon - Quad	25.0	25.0	24.5	24.5

Client: FPM Remediations Inc

Job Number: 280-30425-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-128057

Method: 9060A
Preparation: N/A

MS Lab Sample ID:	280-30425-4	Analysis Batch:	280-128057	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071612.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/17/2012 1006			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30425-4	Analysis Batch:	280-128057	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071612.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/17/2012 1024			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon - Quad	95	95	86 - 114	0	12		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-128057

Method: 9060A
Preparation: N/A

MS Lab Sample ID:	280-30425-4	Units:	mg/L	MSD Lab Sample ID:	280-30425-4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/17/2012 1006			Analysis Date:	07/17/2012 1024
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon - Quad	0.69	J	25.0	25.0	24.5	24.5

Client: FPM Remediations Inc

Job Number: 280-30425-1

Method Blank - Batch: 280-126228

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	MB 280-126228/1	Analysis Batch:	280-126228	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/27/2012 0900	Units:	PCU	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Color	5.0	U	5.0	5.0

Duplicate - Batch: 280-126228

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	280-30425-1	Analysis Batch:	280-126228	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/27/2012 0900	Units:	PCU	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Color	5.0	U	5.0	NC	20	U

Method Blank - Batch: 280-126467

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	MB 280-126467/6	Analysis Batch:	280-126467	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	070212.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/02/2012 1042	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Alkalinity	2.0	U	1.1	5.0

Method Blank - Batch: 280-126467

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	MB 280-126467/33	Analysis Batch:	280-126467	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	070212.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/02/2012 1250	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Alkalinity	2.0	U	1.1	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126467

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126467/31	Analysis Batch:	280-126467	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	070212.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/02/2012 1242	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126467/32	Analysis Batch:	280-126467	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	070212.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/02/2012 1247	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Alkalinity	104	104	90 - 110	0	10		

Client: FPM Remediations Inc

Job Number: 280-30425-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126467

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126467/31	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126467/32
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/02/2012 1242			Analysis Date:	07/02/2012 1247
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Alkalinity	200	200	207	207

Duplicate - Batch: 280-126467

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	280-30425-1	Analysis Batch:	280-126467	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	070212.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/02/2012 1300	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	310	311	0.6	10	

Client: FPM Remediations Inc

Job Number: 280-30425-1

Method Blank - Batch: 280-128483

Method: SM 2340C
Preparation: N/A

Lab Sample ID:	MB 280-128483/1	Analysis Batch:	280-128483	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/19/2012 1225	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hardness as calcium carbonate	1.5	U	1.3	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-128483

Method: SM 2340C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128483/2	Analysis Batch:	280-128483	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/19/2012 1225	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-128483/3	Analysis Batch:	280-128483	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/19/2012 1225	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hardness as calcium carbonate	99	98	90 - 110	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-128483

Method: SM 2340C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128483/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-128483/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/19/2012 1225			Analysis Date:	07/19/2012 1225
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Hardness as calcium carbonate	403	403	400	397

Client: FPM Remediations Inc

Job Number: 280-30425-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-128483

Method: SM 2340C
Preparation: N/A

MS Lab Sample ID:	280-30425-4	Analysis Batch:	280-128483	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/19/2012 1225			Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30425-4	Analysis Batch:	280-128483	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/19/2012 1225			Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hardness as calcium carbonate	94	100	90 - 110	3	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-128483

Method: SM 2340C
Preparation: N/A

MS Lab Sample ID:	280-30425-4	Units:	mg/L	MSD Lab Sample ID:	280-30425-4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/19/2012 1225			Analysis Date:	07/19/2012 1225
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Hardness as calcium carbonate	220	403	403	600	621

Client: FPM Remediations Inc

Job Number: 280-30425-1

Method Blank - Batch: 280-126303

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 280-126303/1	Analysis Batch:	280-126303	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/02/2012 0955	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Total Dissolved Solids	10	U	4.7	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126303

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126303/2	Analysis Batch:	280-126303	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/02/2012 0955	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126303/3	Analysis Batch:	280-126303	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/02/2012 0955	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	99	97	86 - 110	2	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126303

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126303/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126303/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/02/2012 0955			Analysis Date:	07/02/2012 0955
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	501	501	495	487

Client: FPM Remediations Inc

Job Number: 280-30425-1

Duplicate - Batch: 280-126303

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	280-30425-5	Analysis Batch:	280-126303	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/02/2012 0955	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	240	246	0.8	10	

Client: FPM Remediations Inc

Job Number: 280-30425-1

Method Blank - Batch: 280-125739

Method: SM5210B
Preparation: N/A

Lab Sample ID:	MB 280-125739/14	Analysis Batch:	280-125739	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/27/2012 0659	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Biochemical Oxygen Demand	0.60	U	0.24	2.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125739

Method: SM5210B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125739/12	Analysis Batch:	280-125739	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/27/2012 0659	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125739/13	Analysis Batch:	280-125739	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/27/2012 0659	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Biochemical Oxygen Demand	107	108	85 - 115	1	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125739

Method: SM5210B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125739/12	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125739/13
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/27/2012 0659			Analysis Date:	06/27/2012 0659
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Biochemical Oxygen Demand	198	198	211	213

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-30425-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-30425-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-126758					
LCS 280-126758/4	Lab Control Sample	T	Water	8260B/DoD	
LCSD 280-126758/5	Lab Control Sample Duplicate	T	Water	8260B/DoD	
MB 280-126758/6	Method Blank	T	Water	8260B/DoD	
280-30425-2	LF1M0526UA	T	Water	8260B/DoD	
280-30425-3	LF1M0620UA	T	Water	8260B/DoD	
280-30425-4	LF1M1030UA	T	Water	8260B/DoD	
280-30425-4MS	Matrix Spike	T	Water	8260B/DoD	
280-30425-4MSD	Matrix Spike Duplicate	T	Water	8260B/DoD	
280-30425-5FD	LF1M1030UC	T	Water	8260B/DoD	
280-30425-6	LF1M1212UA	T	Water	8260B/DoD	
280-30425-7	MWSAR0324UA	T	Water	8260B/DoD	
280-30425-8EB	062512UE	T	Water	8260B/DoD	
280-30425-9FB	062512UF	T	Water	8260B/DoD	
280-30425-10TB	062512UR	T	Water	8260B/DoD	

Report Basis
T = Total

Client: FPM Remediations Inc

Job Number: 280-30425-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-125720					
LCS 280-125720/4	Lab Control Sample	T	Water	9056A	
LCSD 280-125720/5	Lab Control Sample Duplicate	T	Water	9056A	
MB 280-125720/7	Method Blank	T	Water	9056A	
280-30425-1	LF1P0525UA	T	Water	9056A	
280-30425-2	LF1M0526UA	T	Water	9056A	
280-30425-3	LF1M0620UA	T	Water	9056A	
280-30425-4	LF1M1030UA	T	Water	9056A	
280-30425-4DU	Duplicate	T	Water	9056A	
280-30425-4MS	Matrix Spike	T	Water	9056A	
280-30425-4MSD	Matrix Spike Duplicate	T	Water	9056A	
280-30425-5FD	LF1M1030UC	T	Water	9056A	
280-30425-6	LF1M1212UA	T	Water	9056A	
280-30425-7	MWSAR0324UA	T	Water	9056A	
280-30425-8EB	062512UE	T	Water	9056A	
Analysis Batch:280-125721					
LCS 280-125721/4	Lab Control Sample	T	Water	9056A	
LCSD 280-125721/5	Lab Control Sample Duplicate	T	Water	9056A	
MB 280-125721/7	Method Blank	T	Water	9056A	
280-30425-1	LF1P0525UA	T	Water	9056A	
280-30425-2	LF1M0526UA	T	Water	9056A	
280-30425-3	LF1M0620UA	T	Water	9056A	
280-30425-4	LF1M1030UA	T	Water	9056A	
280-30425-4DU	Duplicate	T	Water	9056A	
280-30425-4MS	Matrix Spike	T	Water	9056A	
280-30425-4MSD	Matrix Spike Duplicate	T	Water	9056A	
280-30425-5FD	LF1M1030UC	T	Water	9056A	
280-30425-6	LF1M1212UA	T	Water	9056A	
280-30425-7	MWSAR0324UA	T	Water	9056A	
280-30425-8EB	062512UE	T	Water	9056A	
Analysis Batch:280-125739					
LCS 280-125739/12	Lab Control Sample	T	Water	SM5210B	
LCSD 280-125739/13	Lab Control Sample Duplicate	T	Water	SM5210B	
MB 280-125739/14	Method Blank	T	Water	SM5210B	
280-30425-1	LF1P0525UA	T	Water	SM5210B	
280-30425-2	LF1M0526UA	T	Water	SM5210B	
280-30425-3	LF1M0620UA	T	Water	SM5210B	
280-30425-4	LF1M1030UA	T	Water	SM5210B	
280-30425-5FD	LF1M1030UC	T	Water	SM5210B	
280-30425-6	LF1M1212UA	T	Water	SM5210B	
280-30425-7	MWSAR0324UA	T	Water	SM5210B	
280-30425-8EB	062512UE	T	Water	SM5210B	

Client: FPM Remediations Inc

Job Number: 280-30425-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-126228					
MB 280-126228/1	Method Blank	T	Water	SM 2120B	
280-30425-1	LF1P0525UA	T	Water	SM 2120B	
280-30425-1DU	Duplicate	T	Water	SM 2120B	
280-30425-2	LF1M0526UA	T	Water	SM 2120B	
280-30425-3	LF1M0620UA	T	Water	SM 2120B	
280-30425-4	LF1M1030UA	T	Water	SM 2120B	
280-30425-5FD	LF1M1030UC	T	Water	SM 2120B	
280-30425-6	LF1M1212UA	T	Water	SM 2120B	
280-30425-7	MWSAR0324UA	T	Water	SM 2120B	
280-30425-8EB	062512UE	T	Water	SM 2120B	
Analysis Batch:280-126303					
LCS 280-126303/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 280-126303/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 280-126303/1	Method Blank	T	Water	SM 2540C	
280-30425-1	LF1P0525UA	T	Water	SM 2540C	
280-30425-2	LF1M0526UA	T	Water	SM 2540C	
280-30425-3	LF1M0620UA	T	Water	SM 2540C	
280-30425-4	LF1M1030UA	T	Water	SM 2540C	
280-30425-5FD	LF1M1030UC	T	Water	SM 2540C	
280-30425-5DU	Duplicate	T	Water	SM 2540C	
280-30425-6	LF1M1212UA	T	Water	SM 2540C	
280-30425-7	MWSAR0324UA	T	Water	SM 2540C	
280-30425-8EB	062512UE	T	Water	SM 2540C	
Analysis Batch:280-126467					
LCS 280-126467/31	Lab Control Sample	T	Water	SM 2320B	
LCSD 280-126467/32	Lab Control Sample Duplicate	T	Water	SM 2320B	
MB 280-126467/33	Method Blank	T	Water	SM 2320B	
MB 280-126467/6	Method Blank	T	Water	SM 2320B	
280-30425-1	LF1P0525UA	T	Water	SM 2320B	
280-30425-1DU	Duplicate	T	Water	SM 2320B	
280-30425-2	LF1M0526UA	T	Water	SM 2320B	
280-30425-3	LF1M0620UA	T	Water	SM 2320B	
280-30425-4	LF1M1030UA	T	Water	SM 2320B	
280-30425-5FD	LF1M1030UC	T	Water	SM 2320B	
280-30425-6	LF1M1212UA	T	Water	SM 2320B	
280-30425-7	MWSAR0324UA	T	Water	SM 2320B	
280-30425-8EB	062512UE	T	Water	SM 2320B	

Client: FPM Remediations Inc

Job Number: 280-30425-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-126482					
LCS 280-126482/3	Lab Control Sample	T	Water	410.4	
LCSD 280-126482/4	Lab Control Sample Duplicate	T	Water	410.4	
MB 280-126482/5	Method Blank	T	Water	410.4	
280-30425-1	LF1P0525UA	T	Water	410.4	
280-30425-2	LF1M0526UA	T	Water	410.4	
280-30425-3	LF1M0620UA	T	Water	410.4	
280-30425-4	LF1M1030UA	T	Water	410.4	
280-30425-4MS	Matrix Spike	T	Water	410.4	
280-30425-4MSD	Matrix Spike Duplicate	T	Water	410.4	
280-30425-5FD	LF1M1030UC	T	Water	410.4	
280-30425-6	LF1M1212UA	T	Water	410.4	
Analysis Batch:280-126498					
LCS 280-126498/3	Lab Control Sample	T	Water	410.4	
LCSD 280-126498/4	Lab Control Sample Duplicate	T	Water	410.4	
MB 280-126498/5	Method Blank	T	Water	410.4	
280-30425-7	MWSAR0324UA	T	Water	410.4	
280-30425-8EB	062512UE	T	Water	410.4	
Analysis Batch:280-127015					
LCS 280-127015/117	Lab Control Sample	T	Water	350.1	
LCS 280-127015/70	Lab Control Sample	T	Water	350.1	
LCSD 280-127015/118	Lab Control Sample Duplicate	T	Water	350.1	
LCSD 280-127015/71	Lab Control Sample Duplicate	T	Water	350.1	
MB 280-127015/109	Method Blank	T	Water	350.1	
MB 280-127015/20	Method Blank	T	Water	350.1	
280-30425-1	LF1P0525UA	T	Water	350.1	
280-30425-2	LF1M0526UA	T	Water	350.1	
280-30425-3	LF1M0620UA	T	Water	350.1	
280-30425-4	LF1M1030UA	T	Water	350.1	
280-30425-4MS	Matrix Spike	T	Water	350.1	
280-30425-4MSD	Matrix Spike Duplicate	T	Water	350.1	
280-30425-5FD	LF1M1030UC	T	Water	350.1	
280-30425-6	LF1M1212UA	T	Water	350.1	
280-30425-7	MWSAR0324UA	T	Water	350.1	
280-30425-8EB	062512UE	T	Water	350.1	

Client: FPM Remediations Inc

Job Number: 280-30425-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-128057					
LCS 280-128057/32	Lab Control Sample	T	Water	9060A	
LCSD 280-128057/33	Lab Control Sample Duplicate	T	Water	9060A	
MB 280-128057/34	Method Blank	T	Water	9060A	
280-30425-1	LF1P0525UA	T	Water	9060A	
280-30425-2	LF1M0526UA	T	Water	9060A	
280-30425-3	LF1M0620UA	T	Water	9060A	
280-30425-4	LF1M1030UA	T	Water	9060A	
280-30425-4MS	Matrix Spike	T	Water	9060A	
280-30425-4MSD	Matrix Spike Duplicate	T	Water	9060A	
280-30425-5FD	LF1M1030UC	T	Water	9060A	
280-30425-6	LF1M1212UA	T	Water	9060A	
280-30425-7	MWSAR0324UA	T	Water	9060A	
280-30425-8EB	062512UE	T	Water	9060A	
Prep Batch: 280-128145					
LCS 280-128145/1-A	Lab Control Sample	T	Water	351.2	
LCSD 280-128145/2-A	Lab Control Sample Duplicate	T	Water	351.2	
MB 280-128145/3-A	Method Blank	T	Water	351.2	
280-30425-1	LF1P0525UA	T	Water	351.2	
280-30425-2	LF1M0526UA	T	Water	351.2	
280-30425-3	LF1M0620UA	T	Water	351.2	
280-30425-4	LF1M1030UA	T	Water	351.2	
280-30425-4MS	Matrix Spike	T	Water	351.2	
280-30425-4MSD	Matrix Spike Duplicate	T	Water	351.2	
280-30425-5FD	LF1M1030UC	T	Water	351.2	
280-30425-6	LF1M1212UA	T	Water	351.2	
280-30425-7	MWSAR0324UA	T	Water	351.2	
280-30425-8EB	062512UE	T	Water	351.2	
Analysis Batch:280-128483					
LCS 280-128483/2	Lab Control Sample	T	Water	SM 2340C	
LCSD 280-128483/3	Lab Control Sample Duplicate	T	Water	SM 2340C	
MB 280-128483/1	Method Blank	T	Water	SM 2340C	
280-30425-1	LF1P0525UA	T	Water	SM 2340C	
280-30425-2	LF1M0526UA	T	Water	SM 2340C	
280-30425-3	LF1M0620UA	T	Water	SM 2340C	
280-30425-4	LF1M1030UA	T	Water	SM 2340C	
280-30425-4MS	Matrix Spike	T	Water	SM 2340C	
280-30425-4MSD	Matrix Spike Duplicate	T	Water	SM 2340C	
280-30425-5FD	LF1M1030UC	T	Water	SM 2340C	
280-30425-6	LF1M1212UA	T	Water	SM 2340C	
280-30425-7	MWSAR0324UA	T	Water	SM 2340C	
280-30425-8EB	062512UE	T	Water	SM 2340C	

Client: FPM Remediations Inc

Job Number: 280-30425-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-128608					
LCS 280-128145/1-A	Lab Control Sample	T	Water	351.2	280-128145
LCSD 280-128145/2-A	Lab Control Sample Duplicate	T	Water	351.2	280-128145
MB 280-128145/3-A	Method Blank	T	Water	351.2	280-128145
280-30425-1	LF1P0525UA	T	Water	351.2	280-128145
280-30425-2	LF1M0526UA	T	Water	351.2	280-128145
280-30425-3	LF1M0620UA	T	Water	351.2	280-128145
280-30425-4	LF1M1030UA	T	Water	351.2	280-128145
280-30425-4MS	Matrix Spike	T	Water	351.2	280-128145
280-30425-4MSD	Matrix Spike Duplicate	T	Water	351.2	280-128145
280-30425-5FD	LF1M1030UC	T	Water	351.2	280-128145
280-30425-6	LF1M1212UA	T	Water	351.2	280-128145
280-30425-7	MWSAR0324UA	T	Water	351.2	280-128145
280-30425-8EB	062512UE	T	Water	351.2	280-128145

Report Basis

T = Total

Client: FPM Remediations Inc

Job Number: 280-30425-1

Laboratory Chronicle

Lab ID: 280-30425-1 **Client ID:** LF1P0525UA

Sample Date/Time: 06/25/2012 14:17 Received Date/Time: 06/26/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30425-D-1		280-127015		07/09/2012 13:53	1	TAL DEN	BQW
P:351.2	280-30425-C-1-A		280-128608	280-128145	07/17/2012 17:53	1	TAL DEN	MW
A:351.2	280-30425-C-1-A		280-128608	280-128145	07/19/2012 23:23	1	TAL DEN	MW
A:410.4	280-30425-C-1		280-126482		07/03/2012 09:26	1	TAL DEN	MF
A:9056A	280-30425-B-1		280-125720		06/26/2012 12:15	1	TAL DEN	EK
A:9056A	280-30425-B-1		280-125721		06/26/2012 12:15	1	TAL DEN	EK
A:9060A	280-30425-D-1		280-128057		07/17/2012 08:23	1	TAL DEN	DFB
A:SM 2120B	280-30425-A-1		280-126228		06/27/2012 09:00	1	TAL DEN	DA
A:SM 2320B	280-30425-A-1		280-126467		07/02/2012 12:55	1	TAL DEN	AJA
A:SM 2340C	280-30425-E-1		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	280-30425-B-1		280-126303		07/02/2012 09:55	1	TAL DEN	BJD
A:SM5210B	280-30425-A-1		280-125739		06/27/2012 07:20	1	TAL DEN	DA

Lab ID: 280-30425-1 DU **Client ID:** LF1P0525UA

Sample Date/Time: 06/25/2012 14:17 Received Date/Time: 06/26/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2120B	280-30425-A-1 DU		280-126228		06/27/2012 09:00	1	TAL DEN	DA
A:SM 2320B	280-30425-A-1 DU		280-126467		07/02/2012 13:00	1	TAL DEN	AJA

Lab ID: 280-30425-2 **Client ID:** LF1M0526UA

Sample Date/Time: 06/25/2012 13:35 Received Date/Time: 06/26/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30425-G-2		280-126758		07/05/2012 13:34	1	TAL DEN	GPM
A:8260B/DoD	280-30425-G-2		280-126758		07/05/2012 13:34	1	TAL DEN	GPM
A:350.1	280-30425-D-2		280-127015		07/09/2012 13:55	1	TAL DEN	BQW
P:351.2	280-30425-C-2-A		280-128608	280-128145	07/17/2012 17:53	1	TAL DEN	MW
A:351.2	280-30425-C-2-A		280-128608	280-128145	07/19/2012 23:25	1	TAL DEN	MW
A:410.4	280-30425-C-2		280-126482		07/03/2012 09:26	1	TAL DEN	MF
A:9056A	280-30425-B-2		280-125720		06/26/2012 12:32	1	TAL DEN	EK
A:9056A	280-30425-B-2		280-125721		06/26/2012 12:32	1	TAL DEN	EK
A:9060A	280-30425-D-2		280-128057		07/17/2012 08:39	1	TAL DEN	DFB
A:SM 2120B	280-30425-A-2		280-126228		06/27/2012 09:00	1	TAL DEN	DA
A:SM 2320B	280-30425-A-2		280-126467		07/02/2012 13:05	1	TAL DEN	AJA
A:SM 2340C	280-30425-E-2		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	280-30425-B-2		280-126303		07/02/2012 09:55	1	TAL DEN	BJD
A:SM5210B	280-30425-A-2		280-125739		06/27/2012 07:22	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30425-1

Laboratory Chronicle

Lab ID: 280-30425-3 **Client ID:** LF1M0620UA

Sample Date/Time: 06/25/2012 15:45 Received Date/Time: 06/26/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30425-H-3		280-126758		07/05/2012 13:57	1	TAL DEN	GPM
A:8260B/DoD	280-30425-H-3		280-126758		07/05/2012 13:57	1	TAL DEN	GPM
A:350.1	280-30425-D-3		280-127015		07/09/2012 13:56	1	TAL DEN	BQW
P:351.2	280-30425-C-3-A		280-128608	280-128145	07/17/2012 17:53	1	TAL DEN	MW
A:351.2	280-30425-C-3-A		280-128608	280-128145	07/19/2012 23:26	1	TAL DEN	MW
A:410.4	280-30425-C-3		280-126482		07/03/2012 09:26	1	TAL DEN	MF
A:9056A	280-30425-B-3		280-125720		06/26/2012 12:48	1	TAL DEN	EK
A:9056A	280-30425-B-3		280-125721		06/26/2012 12:48	1	TAL DEN	EK
A:9060A	280-30425-D-3		280-128057		07/17/2012 09:32	1	TAL DEN	DFB
A:SM 2120B	280-30425-A-3		280-126228		06/27/2012 09:00	1	TAL DEN	DA
A:SM 2320B	280-30425-A-3		280-126467		07/02/2012 13:10	1	TAL DEN	AJA
A:SM 2340C	280-30425-E-3		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	280-30425-B-3		280-126303		07/02/2012 09:55	1	TAL DEN	BJD
A:SM5210B	280-30425-A-3		280-125739		06/27/2012 07:23	1	TAL DEN	DA

Lab ID: 280-30425-4 **Client ID:** LF1M1030UA

Sample Date/Time: 06/25/2012 12:42 Received Date/Time: 06/26/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30425-X-4		280-126758		07/05/2012 12:05	1	TAL DEN	GPM
A:8260B/DoD	280-30425-X-4		280-126758		07/05/2012 12:05	1	TAL DEN	GPM
A:350.1	280-30425-L-4		280-127015		07/09/2012 14:14	1	TAL DEN	BQW
P:351.2	280-30425-G-4-A		280-128608	280-128145	07/17/2012 17:53	1	TAL DEN	MW
A:351.2	280-30425-G-4-A		280-128608	280-128145	07/19/2012 23:27	1	TAL DEN	MW
A:410.4	280-30425-G-4		280-126482		07/03/2012 09:26	1	TAL DEN	MF
A:9056A	280-30425-E-4		280-125720		06/26/2012 13:05	1	TAL DEN	EK
A:9056A	280-30425-E-4		280-125721		06/26/2012 13:05	1	TAL DEN	EK
A:9060A	280-30425-L-4		280-128057		07/17/2012 09:50	1	TAL DEN	DFB
A:SM 2120B	280-30425-A-4		280-126228		06/27/2012 09:00	1	TAL DEN	DA
A:SM 2320B	280-30425-A-4		280-126467		07/02/2012 13:14	1	TAL DEN	AJA
A:SM 2340C	280-30425-M-4		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	280-30425-E-4		280-126303		07/02/2012 09:55	1	TAL DEN	BJD
A:SM5210B	280-30425-A-4		280-125739		06/27/2012 07:24	1	TAL DEN	DA

Client: FPM Remediations Inc Job Number: 280-30425-1

Laboratory Chronicle

Lab ID: 280-30425-4 **Client ID: LF1M1030UA**

Sample Date/Time: 06/25/2012 12:42 Received Date/Time: 06/26/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30425-W-4 MS		280-126758		07/05/2012 12:28	1	TAL DEN	GPM
A:8260B/DoD	280-30425-W-4 MS		280-126758		07/05/2012 12:28	1	TAL DEN	GPM
A:350.1	280-30425-L-4 MS		280-127015		07/09/2012 14:16	1	TAL DEN	BQW
P:351.2	280-30425-G-4-B MS		280-128608	280-128145	07/17/2012 17:53	1	TAL DEN	MW
A:351.2	280-30425-G-4-B MS		280-128608	280-128145	07/19/2012 23:28	1	TAL DEN	MW
A:410.4	280-30425-G-4 MS		280-126482		07/03/2012 09:26	1	TAL DEN	MF
A:9056A	280-30425-E-4 MS		280-125720		06/26/2012 13:39	1	TAL DEN	EK
A:9056A	280-30425-E-4 MS		280-125721		06/26/2012 13:39	1	TAL DEN	EK
A:9060A	280-30425-L-4 MS		280-128057		07/17/2012 10:06	1	TAL DEN	DFB
A:SM 2340C	280-30425-M-4 MS		280-128483		07/19/2012 12:25	1	TAL DEN	AJA

Lab ID: 280-30425-4 **Client ID: LF1M1030UA**

Sample Date/Time: 06/25/2012 12:42 Received Date/Time: 06/26/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30425-W-4 MSD		280-126758		07/05/2012 12:50	1	TAL DEN	GPM
A:8260B/DoD	280-30425-W-4 MSD		280-126758		07/05/2012 12:50	1	TAL DEN	GPM
A:350.1	280-30425-L-4 MSD		280-127015		07/09/2012 14:17	1	TAL DEN	BQW
P:351.2	280-30425-G-4-C MSD		280-128608	280-128145	07/17/2012 17:53	1	TAL DEN	MW
A:351.2	280-30425-G-4-C MSD		280-128608	280-128145	07/19/2012 23:30	1	TAL DEN	MW
A:410.4	280-30425-G-4 MSD		280-126482		07/03/2012 09:26	1	TAL DEN	MF
A:9056A	280-30425-E-4 MSD		280-125720		06/26/2012 13:56	1	TAL DEN	EK
A:9056A	280-30425-E-4 MSD		280-125721		06/26/2012 13:56	1	TAL DEN	EK
A:9060A	280-30425-L-4 MSD		280-128057		07/17/2012 10:24	1	TAL DEN	DFB
A:SM 2340C	280-30425-M-4 MSD		280-128483		07/19/2012 12:25	1	TAL DEN	AJA

Lab ID: 280-30425-4 DU **Client ID: LF1M1030UA**

Sample Date/Time: 06/25/2012 12:42 Received Date/Time: 06/26/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9056A	280-30425-E-4 DU		280-125720		06/26/2012 13:22	1	TAL DEN	EK
A:9056A	280-30425-E-4 DU		280-125721		06/26/2012 13:22	1	TAL DEN	EK

Client: FPM Remediations Inc Job Number: 280-30425-1

Laboratory Chronicle

Lab ID: 280-30425-5 **Client ID: LF1M1030UC**

Sample Date/Time: 06/25/2012 12:42 Received Date/Time: 06/26/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30425-H-5		280-126758		07/05/2012 14:19	1	TAL DEN	GPM
A:8260B/DoD	280-30425-H-5		280-126758		07/05/2012 14:19	1	TAL DEN	GPM
A:350.1	280-30425-D-5		280-127015		07/09/2012 14:19	1	TAL DEN	BQW
P:351.2	280-30425-C-5-A		280-128608	280-128145	07/17/2012 17:53	1	TAL DEN	MW
A:351.2	280-30425-C-5-A		280-128608	280-128145	07/19/2012 23:35	1	TAL DEN	MW
A:410.4	280-30425-C-5		280-126482		07/03/2012 09:26	1	TAL DEN	MF
A:9056A	280-30425-B-5		280-125720		06/26/2012 14:12	1	TAL DEN	EK
A:9056A	280-30425-B-5		280-125721		06/26/2012 14:12	1	TAL DEN	EK
A:9060A	280-30425-D-5		280-128057		07/17/2012 10:43	1	TAL DEN	DFB
A:SM 2120B	280-30425-A-5		280-126228		06/27/2012 09:00	1	TAL DEN	DA
A:SM 2320B	280-30425-A-5		280-126467		07/02/2012 13:19	1	TAL DEN	AJA
A:SM 2340C	280-30425-E-5		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	280-30425-B-5		280-126303		07/02/2012 09:55	1	TAL DEN	BJD
A:SM5210B	280-30425-A-5		280-125739		06/27/2012 07:25	1	TAL DEN	DA

Lab ID: 280-30425-5 DU **Client ID: LF1M1030UC**

Sample Date/Time: 06/25/2012 12:42 Received Date/Time: 06/26/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2540C	280-30425-B-5 DU		280-126303		07/02/2012 09:55	1	TAL DEN	BJD

Lab ID: 280-30425-6 **Client ID: LF1M1212UA**

Sample Date/Time: 06/25/2012 11:31 Received Date/Time: 06/26/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30425-F-6		280-126758		07/05/2012 14:41	1	TAL DEN	GPM
A:8260B/DoD	280-30425-F-6		280-126758		07/05/2012 14:41	1	TAL DEN	GPM
A:350.1	280-30425-D-6		280-127015		07/09/2012 14:20	1	TAL DEN	BQW
P:351.2	280-30425-C-6-A		280-128608	280-128145	07/17/2012 17:53	1	TAL DEN	MW
A:351.2	280-30425-C-6-A		280-128608	280-128145	07/19/2012 23:36	1	TAL DEN	MW
A:410.4	280-30425-C-6		280-126482		07/03/2012 09:26	1	TAL DEN	MF
A:9056A	280-30425-B-6		280-125720		06/26/2012 15:03	1	TAL DEN	EK
A:9056A	280-30425-B-6		280-125721		06/26/2012 15:03	1	TAL DEN	EK
A:9060A	280-30425-D-6		280-128057		07/17/2012 11:02	1	TAL DEN	DFB
A:SM 2120B	280-30425-A-6		280-126228		06/27/2012 09:00	1	TAL DEN	DA
A:SM 2320B	280-30425-A-6		280-126467		07/02/2012 13:25	1	TAL DEN	AJA
A:SM 2340C	280-30425-E-6		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	280-30425-B-6		280-126303		07/02/2012 09:55	1	TAL DEN	BJD
A:SM5210B	280-30425-A-6		280-125739		06/27/2012 07:28	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30425-1

Laboratory Chronicle

Lab ID: 280-30425-7 **Client ID:** MWSAR0324UA

Sample Date/Time: 06/25/2012 15:32 Received Date/Time: 06/26/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30425-H-7		280-126758		07/05/2012 15:04	1	TAL DEN	GPM
A:8260B/DoD	280-30425-H-7		280-126758		07/05/2012 15:04	1	TAL DEN	GPM
A:350.1	280-30425-D-7		280-127015		07/09/2012 14:22	1	TAL DEN	BQW
P:351.2	280-30425-C-7-A		280-128608	280-128145	07/17/2012 17:53	1	TAL DEN	MW
A:351.2	280-30425-C-7-A		280-128608	280-128145	07/19/2012 23:37	1	TAL DEN	MW
A:410.4	280-30425-C-7		280-126498		07/03/2012 10:07	1	TAL DEN	MF
A:9056A	280-30425-B-7		280-125720		06/26/2012 15:20	1	TAL DEN	EK
A:9056A	280-30425-B-7		280-125721		06/26/2012 15:20	1	TAL DEN	EK
A:9060A	280-30425-D-7		280-128057		07/17/2012 11:19	1	TAL DEN	DFB
A:SM 2120B	280-30425-A-7		280-126228		06/27/2012 09:00	1	TAL DEN	DA
A:SM 2320B	280-30425-A-7		280-126467		07/02/2012 13:38	1	TAL DEN	AJA
A:SM 2340C	280-30425-E-7		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	280-30425-B-7		280-126303		07/02/2012 09:55	1	TAL DEN	BJD
A:SM5210B	280-30425-A-7		280-125739		06/27/2012 07:30	1	TAL DEN	DA

Lab ID: 280-30425-8 **Client ID:** 062512UE

Sample Date/Time: 06/25/2012 16:15 Received Date/Time: 06/26/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30425-F-8		280-126758		07/05/2012 15:26	1	TAL DEN	GPM
A:8260B/DoD	280-30425-F-8		280-126758		07/05/2012 15:26	1	TAL DEN	GPM
A:350.1	280-30425-D-8		280-127015		07/09/2012 14:23	1	TAL DEN	BQW
P:351.2	280-30425-C-8-A		280-128608	280-128145	07/17/2012 17:53	1	TAL DEN	MW
A:351.2	280-30425-C-8-A		280-128608	280-128145	07/19/2012 23:41	1	TAL DEN	MW
A:410.4	280-30425-C-8		280-126498		07/03/2012 10:07	1	TAL DEN	MF
A:9056A	280-30425-B-8		280-125720		06/26/2012 15:37	1	TAL DEN	EK
A:9056A	280-30425-B-8		280-125721		06/26/2012 15:37	1	TAL DEN	EK
A:9060A	280-30425-D-8		280-128057		07/17/2012 11:36	1	TAL DEN	DFB
A:SM 2120B	280-30425-A-8		280-126228		06/27/2012 09:00	1	TAL DEN	DA
A:SM 2320B	280-30425-A-8		280-126467		07/02/2012 13:42	1	TAL DEN	AJA
A:SM 2340C	280-30425-E-8		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	280-30425-B-8		280-126303		07/02/2012 09:55	1	TAL DEN	BJD
A:SM5210B	280-30425-A-8		280-125739		06/27/2012 07:31	1	TAL DEN	DA

Lab ID: 280-30425-9 **Client ID:** 062512UF

Sample Date/Time: 06/25/2012 11:45 Received Date/Time: 06/26/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30425-B-9		280-126758		07/05/2012 15:48	1	TAL DEN	GPM
A:8260B/DoD	280-30425-B-9		280-126758		07/05/2012 15:48	1	TAL DEN	GPM

Client: FPM Remediations Inc

Job Number: 280-30425-1

Laboratory Chronicle

Lab ID: 280-30425-10 **Client ID:** 062512UR

Sample Date/Time: 06/25/2012 09:25 Received Date/Time: 06/26/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30425-A-10		280-126758		07/05/2012 16:10	1	TAL DEN	GPM
A:8260B/DoD	280-30425-A-10		280-126758		07/05/2012 16:10	1	TAL DEN	GPM

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 280-126758/6		280-126758		07/05/2012 09:50	1	TAL DEN	GPM
A:8260B/DoD	MB 280-126758/6		280-126758		07/05/2012 09:50	1	TAL DEN	GPM
A:350.1	MB 280-127015/20		280-127015		07/09/2012 11:45	1	TAL DEN	BQW
A:350.1	MB 280-127015/109		280-127015		07/09/2012 13:59	1	TAL DEN	BQW
P:351.2	MB 280-128145/3-A		280-128608	280-128145	07/17/2012 17:53	1	TAL DEN	MW
A:351.2	MB 280-128145/3-A		280-128608	280-128145	07/19/2012 23:18	1	TAL DEN	MW
A:410.4	MB 280-126482/5		280-126482		07/03/2012 09:26	1	TAL DEN	MF
A:410.4	MB 280-126498/5		280-126498		07/03/2012 10:07	1	TAL DEN	MF
A:9056A	MB 280-125720/7		280-125720		06/26/2012 10:59	1	TAL DEN	EK
A:9056A	MB 280-125721/7		280-125721		06/26/2012 10:59	1	TAL DEN	EK
A:9060A	MB 280-128057/34		280-128057		07/17/2012 03:45	1	TAL DEN	DFB
A:SM 2120B	MB 280-126228/1		280-126228		06/27/2012 09:00	1	TAL DEN	DA
A:SM 2320B	MB 280-126467/6		280-126467		07/02/2012 10:42	1	TAL DEN	AJA
A:SM 2320B	MB 280-126467/33		280-126467		07/02/2012 12:50	1	TAL DEN	AJA
A:SM 2340C	MB 280-128483/1		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	MB 280-126303/1		280-126303		07/02/2012 09:55	1	TAL DEN	BJD
A:SM5210B	MB 280-125739/14		280-125739		06/27/2012 06:59	1	TAL DEN	DA

Client: FPM Remediations Inc Job Number: 280-30425-1

Laboratory Chronicle

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-126758/4		280-126758		07/05/2012 09:06	1	TAL DEN	GPM
A:8260B/DoD	LCS 280-126758/4		280-126758		07/05/2012 09:06	1	TAL DEN	GPM
A:350.1	LCS 280-127015/70		280-127015		07/09/2012 13:01	1	TAL DEN	BQW
A:350.1	LCS 280-127015/117		280-127015		07/09/2012 14:11	1	TAL DEN	BQW
P:351.2	LCS 280-128145/1-A		280-128608	280-128145	07/17/2012 17:53	1	TAL DEN	MW
A:351.2	LCS 280-128145/1-A		280-128608	280-128145	07/19/2012 23:13	1	TAL DEN	MW
A:410.4	LCS 280-126482/3		280-126482		07/03/2012 09:26	1	TAL DEN	MF
A:410.4	LCS 280-126498/3		280-126498		07/03/2012 10:07	1	TAL DEN	MF
A:9056A	LCS 280-125720/4		280-125720		06/26/2012 09:47	1	TAL DEN	EK
A:9056A	LCS 280-125721/4		280-125721		06/26/2012 09:47	1	TAL DEN	EK
A:9060A	LCS 280-128057/32		280-128057		07/17/2012 03:04	1	TAL DEN	DFB
A:SM 2320B	LCS 280-126467/31		280-126467		07/02/2012 12:42	1	TAL DEN	AJA
A:SM 2340C	LCS 280-128483/2		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	LCS 280-126303/2		280-126303		07/02/2012 09:55	1	TAL DEN	BJD
A:SM5210B	LCS 280-125739/12		280-125739		06/27/2012 06:59	1	TAL DEN	DA

Lab ID: LCSD **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCSD 280-126758/5		280-126758		07/05/2012 09:28	1	TAL DEN	GPM
A:8260B/DoD	LCSD 280-126758/5		280-126758		07/05/2012 09:28	1	TAL DEN	GPM
A:350.1	LCSD 280-127015/71		280-127015		07/09/2012 13:02	1	TAL DEN	BQW
A:350.1	LCSD 280-127015/118		280-127015		07/09/2012 14:13	1	TAL DEN	BQW
P:351.2	LCSD 280-128145/2-A		280-128608	280-128145	07/17/2012 17:53	1	TAL DEN	MW
A:351.2	LCSD 280-128145/2-A		280-128608	280-128145	07/19/2012 23:15	1	TAL DEN	MW
A:410.4	LCSD 280-126482/4		280-126482		07/03/2012 09:26	1	TAL DEN	MF
A:410.4	LCSD 280-126498/4		280-126498		07/03/2012 10:07	1	TAL DEN	MF
A:9056A	LCSD 280-125720/5		280-125720		06/26/2012 10:04	1	TAL DEN	EK
A:9056A	LCSD 280-125721/5		280-125721		06/26/2012 10:04	1	TAL DEN	EK
A:9060A	LCSD 280-128057/33		280-128057		07/17/2012 03:25	1	TAL DEN	DFB
A:SM 2320B	LCSD 280-126467/32		280-126467		07/02/2012 12:47	1	TAL DEN	AJA
A:SM 2340C	LCSD 280-128483/3		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	LCSD 280-126303/3		280-126303		07/02/2012 09:55	1	TAL DEN	BJD
A:SM5210B	LCSD 280-125739/13		280-125739		06/27/2012 06:59	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30425-1

Laboratory Chronicle

Lab ID: **MRL** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	MRL 280-127015/18		280-127015		07/09/2012 11:42	1	TAL DEN	BQW
A:9056A	MRL 280-125720/3		280-125720		06/26/2012 09:30	1	TAL DEN	EK
A:9056A	MRL 280-125721/3		280-125721		06/26/2012 09:30	1	TAL DEN	EK
A:9056A	MRL 280-125720/6		280-125720		06/26/2012 10:42	1	TAL DEN	EK

Lab References:

TAL DEN = TestAmerica Denver

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Alk daily lcs_00256	07/09/12	07/02/12	Di Water, Lot na	1000 mL	Alk stk std_00003	4 mg/L	Alkalinity	200 mg/L
.Alk stk std_00003	02/01/13	Fischer, Lot 110214			(Purchased Reagent)		Alkalinity	50 g/L
BOD Daily LCS_00529	06/27/12	06/27/12	BOD Dilution H20, Lot na	300 mL	BOD LCS INT_00501	6 mg/L	Biochemical Oxygen Demand	198 mg/L
.BOD LCS INT_00501	06/27/12	06/27/12	Di Water, Lot na	1000 mL	BOD Dextrose_00006	4.95 mg/L	Biochemical Oxygen Demand	9900 mg/L
					BOD Glutamic_00008	4.95 mg/L	Biochemical Oxygen Demand	9900 mg/L
..BOD Dextrose_00006	07/31/12	Fisher, Lot 110346			(Purchased Reagent)		Biochemical Oxygen Demand	1 g/g
..BOD Glutamic_00008	11/16/16	Fisher, Lot 103647a			(Purchased Reagent)		Biochemical Oxygen Demand	1 g/g
COD cal std_00014	10/31/13	Ricca, Lot 1204273			(Purchased Reagent)		Chemical Oxygen Demand	1000 mg/L
COD icv std_00009	05/31/13	HACH, Lot A2132			(Purchased Reagent)		Chemical Oxygen Demand	1000 mg/L
cod ms/msd_00006	02/01/13	Chemetrics, Lot 78777			(Purchased Reagent)		Chemical Oxygen Demand	10000 mg/L
Hard lcs std_00022	01/19/14	Lab Chem, Lot B017-22			(Purchased Reagent)		Hardness as calcium carbonate	1.008 mg/mL
IC CAL INT1_00160	07/03/12	06/26/12	Di Water, Lot na	100 mL	IC Br cal_00005	5 mL	Bromide	50 mg/L
					IC CL cal_00008	25 mL	Chloride	250 mg/L
					IC FL cal_00004	5 mL	Fluoride	50 mg/L
					IC N02 CAL_00020	5 mL	Nitrite as N	50 mg/L
					IC N03 cal_00008	5 mL	Nitrate as N	50 mg/L
					IC P04 cal_00008	5 mL	Orthophosphate as P	50 mg/L
					IC sulfatecal_00007	25 mL	Sulfate	250 mg/L
.IC Br cal_00005	07/30/12	Ricca, Lot 4101497			(Purchased Reagent)		Bromide	1000 mg/L
.IC CL cal_00008	09/30/12	Ricca, Lot 1103357			(Purchased Reagent)		Chloride	1000 mg/L
.IC FL cal_00004	11/30/12	Ricca, Lot 4106066			(Purchased Reagent)		Fluoride	1000 mg/L
.IC N02 CAL_00020	08/31/12	RICCA, Lot 1202582			(Purchased Reagent)		Nitrite as N	1000 ppm
.IC N03 cal_00008	11/30/12	Ricca, Lot 1105365			(Purchased Reagent)		Nitrate as N	1000 mg/L
.IC P04 cal_00008	09/30/13	Ricca, Lot 4110047			(Purchased Reagent)		Orthophosphate as P	1000 mg/L
.IC sulfatecal_00007	01/31/13	RICCA, Lot 2108045			(Purchased Reagent)		Sulfate	1000 mg/L
IC daily cal_00824	06/27/12	06/26/12	Di Water, Lot na	100 mL	IC CAL INT1_00160	10 mL	Bromide	5 mg/L
							Chloride	25 mg/L
							Fluoride	5 mg/L
							Nitrite as N	5 mg/L
							Nitrate as N	5 mg/L
							Orthophosphate as P	5 mg/L
							Sulfate	25 mg/L
.IC CAL INT1_00160	07/03/12	06/26/12	Di Water, Lot na	100 mL	IC Br cal_00005	5 mL	Bromide	50 mg/L
					IC CL cal_00008	25 mL	Chloride	250 mg/L
					IC FL cal_00004	5 mL	Fluoride	50 mg/L
					IC N02 CAL_00020	5 mL	Nitrite as N	50 mg/L
					IC N03 cal_00008	5 mL	Nitrate as N	50 mg/L
					IC P04 cal_00008	5 mL	Orthophosphate as P	50 mg/L
					IC sulfatecal_00007	25 mL	Sulfate	250 mg/L
..IC Br cal_00005	07/30/12	Ricca, Lot 4101497			(Purchased Reagent)		Bromide	1000 mg/L
..IC CL cal_00008	09/30/12	Ricca, Lot 1103357			(Purchased Reagent)		Chloride	1000 mg/L
..IC FL cal_00004	11/30/12	Ricca, Lot 4106066			(Purchased Reagent)		Fluoride	1000 mg/L
..IC N02 CAL_00020	08/31/12	RICCA, Lot 1202582			(Purchased Reagent)		Nitrite as N	1000 ppm
..IC N03 cal_00008	11/30/12	Ricca, Lot 1105365			(Purchased Reagent)		Nitrate as N	1000 mg/L
..IC P04 cal_00008	09/30/13	Ricca, Lot 4110047			(Purchased Reagent)		Orthophosphate as P	1000 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..IC sulfatecal_00007	01/31/13		RICCA, Lot 2108045		(Purchased Reagent)		Sulfate	1000 mg/L
IC ICV daily_00824	06/27/12	06/26/12	Di Water, Lot na	25 mL	IC ICV weekly_00154	1 mL	Bromide	2 mg/L
							Chloride	10 mg/L
							Fluoride	2 mg/L
							Nitrite as N	2 mg/L
							Nitrate as N	2 mg/L
							Orthophosphate as P	2 mg/L
							Sulfate	10 mg/L
.IC ICV weekly_00154	07/03/12	06/26/12	Di Water, Lot na	10 mL	IC BR ICV_00005	0.5 mL	Bromide	50 mg/L
					IC CL ICV_00004	2.5 mL	Chloride	250 mg/L
					IC F ICV_00004	0.5 mL	Fluoride	50 mg/L
					IC NO2 ICV_00004	0.5 mL	Nitrite as N	50 mg/L
					IC NO3 ICV_00003	0.5 mL	Nitrate as N	50 mg/L
					IC PO4 ICV_00006	0.5 mL	Orthophosphate as P	50 mg/L
					IC SO4 ICV_00004	2.5 mL	Sulfate	250 mg/L
..IC BR ICV_00005	02/28/13		SPEX, Lot 2-89br-2		(Purchased Reagent)		Bromide	1000 mg/L
..IC CL ICV_00004	07/15/13		LAB CHEM, Lot A195-13		(Purchased Reagent)		Chloride	1000 mg/L
..IC F ICV_00004	03/16/14		LAB CHEM, Lot BO74-27		(Purchased Reagent)		Fluoride	1000 mg/L
..IC NO2 ICV_00004	06/29/13		ERA, Lot 250611		(Purchased Reagent)		Nitrite as N	1000 mg/L
..IC NO3 ICV_00003	11/09/12		LAB CHEM, Lot 0312-12		(Purchased Reagent)		Nitrate as N	1000 mg/L
..IC PO4 ICV_00006	01/17/13		LAB CHEM, Lot A014-13		(Purchased Reagent)		Orthophosphate as P	1000 mg/L
..IC SO4 ICV_00004	07/15/13		LAB CHEM, Lot A195-12		(Purchased Reagent)		Sulfate	1000 mg/L
ICMS/MSD WEEK_00146	07/03/12	06/26/12	Di Water, Lot NA	10 mL	IC SPK 6 ANIO_00011	5 mL	Bromide	499.962 mg/L
							Chloride	2499.92 mg/L
							Fluoride	499.957 mg/L
							Nitrate as N	499.995 mg/L
							Orthophosphate as P	500.069 mg/L
							Sulfate	2500.26 mg/L
					IC SPK N02SOL_00005	5 mL	Nitrite as N	499.973 mg/L
.IC SPK 6 ANIO_00011	08/13/12	02/07/12	Di Water, Lot NA	1000 mL	IC MS/MSD Br_00003	1.2877 g	Bromide	999.925 mg/L
					IC MS/MSD CL_00001	8.2424 g	Chloride	4999.84 mg/L
					IC MS/MSD F_00002	2.21 g	Fluoride	999.914 mg/L
					IC MS/MSD N03_00003	6.0679 g	Nitrate as N	999.99 mg/L
					IC MS/MSD P04_00001	4.3937 g	Orthophosphate as P	1000.14 mg/L
					IC MS/MSD S04_00002	9.0704 g	Sulfate	5000.51 mg/L
..IC MS/MSD Br_00003	09/29/21		FISHER, Lot 110569		(Purchased Reagent)		Bromide	0.77652 g/g
..IC MS/MSD CL_00001	05/22/13		FISHER, Lot C32068		(Purchased Reagent)		Chloride	0.6066 g/g
..IC MS/MSD F_00002	09/29/21		FISHER, Lot 110901		(Purchased Reagent)		Fluoride	0.45245 g/g
..IC MS/MSD N03_00003	10/02/16		FISHER, Lot 035600		(Purchased Reagent)		Nitrate as N	0.1648 g/g
..IC MS/MSD P04_00001	04/24/17		FISHER, Lot 063408		(Purchased Reagent)		Orthophosphate as P	0.22763 g/g
..IC MS/MSD S04_00002	02/21/14		BAKER, Lot G29146		(Purchased Reagent)		Sulfate	0.5513 g/g
.IC SPK N02SOL_00005	02/07/13	02/07/12	Di Water, Lot na	500 mL	IC MS/MSD N02_00001	2.4628 g	Nitrite as N	999.946 mg/L
..IC MS/MSD N02_00001	06/09/17		fisher, Lot 041304		(Purchased Reagent)		Nitrite as N	0.20301 g/g
MV-2 Cleve_00012	10/28/12	04/28/12	P&T Methanol, Lot DE977	10 mL	MV-30265_00015	200 uL	2-Chloroethyl vinyl ether	40 ug/mL
.MV-30265_00015	01/31/16		RESTEK, Lot A079020		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
MV-524 A_00015	10/31/12	07/02/12	Methanol, Lot dg256	10 mL	MV-DWM589N_00040	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MT-EPA8260B_00028	400 uL	1-Chlorohexane	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MV-STS440_00037	200 uL	Methyl tert-butyl ether	40 ug/mL
.MV-DWM589N_00040	11/30/14	Ultra Scientific, Lot CH-3339			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-EPA1208_00028	10/31/12	Ultra Scientific, Lot CF-3752			(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
.MV-STS440_00037	01/31/15	Ultra, Lot cc-4444			(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
MV-624 A_00018	12/19/12	06/19/12	Methanol, Lot DF369	10 mL	MV-30462_00012	0.2 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
					MV-567117_00001	0.2 mL	Carbon disulfide	40 ug/mL
.MV-30462_00012	11/30/13	Restek, Lot A077815			(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
.MV-567117_00001	05/31/14	RESTEK, Lot A088372			(Purchased Reagent)		Carbon disulfide	2000 ug/mL
MV-Acetates_00002	09/30/12	06/21/12	P&T Methanol, Lot DG256	10 mL	MV-cus14016_00002	200 uL	Ethyl acetate	80 ug/mL
							Methyl acetate	200 ug/mL
							Vinyl acetate	80 ug/mL
.MV-cus14016_00002	09/30/12	ULTRA, Lot CJ-2028			(Purchased Reagent)		Ethyl acetate	4000 ug/mL
							Methyl acetate	10000 ug/mL
							Vinyl acetate	4000 ug/mL
MV-Archon IS_00528	01/02/13	Supelco, Lot LB88967			(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
MV-Archon SS_00665	12/29/12	Restek, Lot A087857			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
MV-Main GasKe_00031	07/30/12	05/22/12	P&T Methanol, Lot DF369	10 mL	MV- Acrolein_00012	100 uL	Acrolein	397.818 ug/mL
					MV-5M06036_00033	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-861149_00048	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
					MV-861149_00049	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
.MV- Acrolein_00012	07/30/12	12/22/11	P&T Methanol, Lot De997	5 mL	MV-48501_00006	0.2038 g	Acrolein	39781.8 ug/mL
..MV-48501_00006	07/30/12	Supelco, Lot LB85669v			(Purchased Reagent)		Acrolein	0.976 mL/mL
.MV-5M06036_00033	11/30/12	Supelco, Lot LB86965			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	2000 ug/mL
.MV-861149_00048	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
.MV-861149_00049	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
MV-Main_00024	12/22/12	06/22/12	P&T Methanol, Lot dg256	10 mL	MV-1-Ch Hex_00009	10 uL	1-Chlorohexane	40.999 ug/mL
					MV-502111_00025	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloroethene, Total	80 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
							Xylenes, Total	120 ug/mL
					MV-506052_00026	200 uL	Iodomethane	40 ug/mL
					MV-861145_00021	200 uL	2-Chloro-1,3-butadiene	40 ug/mL
					MV-CUS11338_00033	500 uL	1,4-Dioxane	2000 ug/mL
							2-Methyl-2-propanol	800 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Isobutyl alcohol	800 ug/mL
							Isopropyl ether	200 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
					MV-CUS11338_00034	500 uL	1,4-Dioxane	2000 ug/mL
							2-Methyl-2-propanol	800 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Isobutyl alcohol	800 ug/mL
							Isopropyl ether	200 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
.MV-1-Ch Hex_00009	12/22/12	06/22/12	P&T Methanol, Lot dg256	5 mL	MV-442258_00003	0.2052 g	1-Chlorohexane	40999 ug/mL
..MV-442258_00003	11/30/14		Supelco, Lot LB89038v		(Purchased Reagent)		1-Chlorohexane	0.999 mL/mL
.MV-502111_00025	04/30/13		Supelco, Lot LB83949		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	6000 ug/mL
.MV-506052_00026	01/31/13		Supelco, Lot LB89742		(Purchased Reagent)		Iodomethane	2000 ug/mL
.MV-861145_00021	12/31/12		Supelco, Lot LB88845		(Purchased Reagent)		2-Chloro-1,3-butadiene	2000 ug/mL
.MV-CUS11338_00033	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							2-Methyl-2-propanol	8000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethanol	20000 ug/mL
							Isobutyl alcohol	8000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	4000 ug/mL
							Propionitrile	4000 ug/mL
.MV-CUS11338_00034	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							2-Methyl-2-propanol	8000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Ethanol	20000 ug/mL
							Isobutyl alcohol	8000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	4000 ug/mL
							Propionitrile	4000 ug/mL
MV-SecSrc B_00008	10/18/12	04/18/12	P&T Methanol, Lot df233	5 mL	MV-8240CR310x_00015	100 uL	1,4-Dioxane	800 ug/mL
.MV-8240CR310x_00015	10/25/13		AccuStandard, Lot 210041266		(Purchased Reagent)		1,4-Dioxane	40000 ug/mL
MV-SS GasKe_00020	12/01/12	06/01/12	P&T Methanol, Lot De997	10 mL	MV-30006_00035	320 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-5s06036_00018	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MV-30006_00035	04/30/14		Restek, Lot A079446		(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
.MV-5s06036_00018	02/28/15		Supelco, Lot LB92231		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MV-SS Supp_00014	12/19/12	05/17/12	P&T Methanol, Lot de997	10 mL	MV-562811_00013	200 uL	Methyl acetate	200 ug/mL
					MV-564150_00014	200 uL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
.MV-562811_00013	07/31/13		RESTEK, Lot A086189		(Purchased Reagent)		Methyl acetate	10000 ug/mL
.MV-564150_00014	01/30/13		RESTEK, Lot A086228		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylcyclohexane	2000 ug/mL
MV-Supp Std_00025	10/02/12	06/19/12	P&T Methanol, Lot DF700	10 mL	MV-2butanol_00004	268 uL	sec-Butyl Alcohol	1199.97 ug/mL
					MV-CUS14015_00001	200 uL	1,1,1-Trifluoro-2,2-dichloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							2-Nitropropane	40 ug/mL
							2-Pentanone	160 ug/mL
							3-Chloro-1-propene	40 ug/mL
							Carbon disulfide	40 ug/mL
							cis-1,4-Dichloro-2-butene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dichlorofluoromethane	40 ug/mL
							Ethyl ether	40 ug/mL
							Ethyl methacrylate	80 ug/mL
							Hexane	40 ug/mL
							Isopropyl alcohol	800 ug/mL
							Methyl methacrylate	80 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							Tert-amyl methyl ether	200 ug/mL
							Tert-butyl ethyl ether	200 ug/mL
							Tetrahydrofuran	80 ug/mL
							trans-1,4-Dichloro-2-butene	40 ug/mL
.MV-2butanol_00004	10/02/12	04/02/12	P&T Methanol, Lot de997	5 mL	MV-294810_00001	0.225 g	sec-Butyl Alcohol	44775 ug/mL
..MV-294810_00001	04/30/13		Supelco, Lot 50296kkv		(Purchased Reagent)		sec-Butyl Alcohol	0.995 mL/mL
.MV-CUS14015_00001	07/31/13		Ultra, Lot CJ-2219		(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							2-Nitropropane	2000 ug/mL
							2-Pentanone	8000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							cis-1,4-Dichloro-2-butene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	4000 ug/mL
							Hexane	2000 ug/mL
							Isopropyl alcohol	40000 ug/mL
							Methyl methacrylate	4000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Tert-amyl methyl ether	10000 ug/mL
							Tert-butyl ethyl ether	10000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
NXN CAL INT_00156	07/16/12	07/09/12	Di Water, Lot NA	100 mL	NH3 CAL STD_00014	10 mg/L	Ammonia	100 mg/L
.NH3 CAL STD_00014	02/28/13		Ricca, Lot 1108313		(Purchased Reagent)		Ammonia	10 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
NXN ICV INT_00149	07/16/12	07/09/12	Di Water, Lot NA	100 mL	NH3 ICV STD_00011	10 mg/L	Ammonia	100 mg/L
.NH3 ICV STD_00011	01/27/14	LAB CHEM, Lot b025-07			(Purchased Reagent)		Ammonia	1000 mg/L
TDS LCS_00280	09/27/12	06/27/12	Di Water, Lot na	1000 mL	NaCl f_00004	0.5008 g	Total Dissolved Solids	500.8 mg/L
.NaCl f_00004	04/14/21	JT Baker, Lot J48622			(Purchased Reagent)		Total Dissolved Solids	1 g/g
TKN 25ppm_00100	07/18/12	07/17/12	Di Water, Lot 1	100 mL	TKN 100PPM_00009	25 mL	Nitrogen, Kjeldahl	25 mg/L
.TKN 100PPM_00009	09/14/12	07/14/12	Di Water, Lot 1	500 mL	TKN CAL STD_00005	50 mL	Nitrogen, Kjeldahl	100 mg/L
..TKN CAL STD_00005	01/27/14	Lab Chem, Lot B025-07			(Purchased Reagent)		Nitrogen, Kjeldahl	1000 mg/L
TKN 25ppm_00101	07/19/12	07/18/12	Di Water, Lot 1	100 mL	TKN 100PPM_00009	25 mL	Nitrogen, Kjeldahl	25 mg/L
.TKN 100PPM_00009	09/14/12	07/14/12	Di Water, Lot 1	500 mL	TKN CAL STD_00005	50 mL	Nitrogen, Kjeldahl	100 mg/L
..TKN CAL STD_00005	01/27/14	Lab Chem, Lot B025-07			(Purchased Reagent)		Nitrogen, Kjeldahl	1000 mg/L
TKN ICV_00003	12/31/14	ERA, Lot P200-525			(Purchased Reagent)		Nitrogen, Kjeldahl	9.92 mg/L
TOC ICV Std_00012	01/31/13	Ricca, Lot 1201330			(Purchased Reagent)		Total Organic Carbon - Quad	1000 ppm
TOC LCS Std_00013	11/30/13	Ultra Scientific, Lot M01122			(Purchased Reagent)		Total Organic Carbon - Quad	1000 ppm

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB LF1

TestAmerica Job ID: 280-30425-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alabama	State Program	4	40730
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAC	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAC	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAC	7	E-10166
TestAmerica Denver	Louisiana	NELAC	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAC	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Hampshire	NELAC	1	205310
TestAmerica Denver	New Jersey	NELAC	2	CO004
TestAmerica Denver	New Mexico	State Program	6	N/A
TestAmerica Denver	New York	NELAC	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAC	10	CO200001
TestAmerica Denver	Pennsylvania	NELAC	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Tennessee	State Program	4	TN02944
TestAmerica Denver	Texas	NELAC	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-08-00036
TestAmerica Denver	Utah	NELAC	8	QUAN5
TestAmerica Denver	Virginia	NELAC	3	
TestAmerica Denver	Washington	State Program	10	C1284
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
LF1M0526UA	280-30425-2	98	91	108	102
LF1M0620UA	280-30425-3	105	97	116	110
LF1M1030UA	280-30425-4	99	91	112	103
LF1M1030UC	280-30425-5	97	90	111	100
LF1M1212UA	280-30425-6	102	95	116	107
MWSAR0324UA	280-30425-7	98	93	109	103
062512UE	280-30425-8	108	100	124 Q	112
062512UF	280-30425-9	94	88	105	100
062512UR	280-30425-10	98	90	112	105
	MB 280-126758/6	101	94	116	107
	LCS 280-126758/4	91	90	109	95
	LCSD 280-126758/5	86	86	107	93
LF1M1030UA MS	280-30425-4 MS	91	90	108	97
LF1M1030UA MSD	280-30425-4 MSD	94	92	116	101

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water Level: Low Lab File ID: H4532.D

Lab ID: LCS 280-126758/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.63	93	80-130	
1,1,1-Trichloroethane	5.00	4.52	90	65-130	
1,2,3-Trichloropropane	5.00	4.50	90	75-125	
1,2,3-Trichlorobenzene	5.00	4.51	90	55-140	
1,1-Dichloroethane	5.00	4.95	99	70-135	
1,2,4-Trichlorobenzene	5.00	4.61	92	65-135	
1,2-Dibromo-3-Chloropropane	5.00	4.65 J	93	50-130	
1,1-Dichloropropene	5.00	4.93	99	75-130	
1,1-Dichloroethene	5.00	5.68	114	70-130	
1,1,2-Trichloroethane	5.00	4.95	99	75-125	
1,1,2,2-Tetrachloroethane	5.00	4.66	93	65-130	
1,2,4-Trimethylbenzene	5.00	4.42	88	75-130	
1,2-Dichlorobenzene	5.00	4.76	95	70-120	
1,2-Dichloroethane	5.00	4.66	93	70-130	
1,3-Dichlorobenzene	5.00	4.52	90	75-125	
1,3-Dichloropropane	5.00	4.79	96	75-125	
1,3,5-Trimethylbenzene	5.00	4.46	89	75-130	
2-Butanone (MEK)	20.0	17.0	85	30-150	
1,4-Dichlorobenzene	5.00	4.99	100	75-125	
1,2-Dichloropropane	5.00	4.77	95	75-125	
2,2-Dichloropropane	5.00	4.78	96	70-135	
2-Hexanone	20.0	16.2	81	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	17.9	89	60-135	
4-Isopropyltoluene	5.00	4.42	88	75-130	
Benzene	5.00	5.22	104	80-120	
Acetone	20.0	21.7	109	40-140	
Bromobenzene	5.00	4.75	95	75-125	
Bromoform	5.00	4.92	98	70-130	
Bromomethane	5.00	4.30	86	30-145	
Carbon tetrachloride	5.00	4.53	91	65-140	
Carbon disulfide	5.00	4.42	88	35-160	
2-Chlorotoluene	5.00	4.48	90	75-125	
4-Chlorotoluene	5.00	4.50	90	75-130	
Chlorobenzene	5.00	4.86	97	80-120	
Chlorobromomethane	5.00	5.12	102	65-130	
Chlorodibromomethane	5.00	4.61	92	60-135	
Chloroform	5.00	4.72	94	65-135	
Chloroethane	5.00	4.36	87	60-135	
Chloromethane	5.00	3.79	76	40-125	
cis-1,2-Dichloroethene	5.00	5.19	104	70-125	
cis-1,3-Dichloropropene	5.00	4.90	98	70-130	
Dibromomethane	5.00	4.80	96	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water Level: Low Lab File ID: H4532.D

Lab ID: LCS 280-126758/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorobromomethane	5.00	4.72	94	75-120	
Dichlorodifluoromethane	5.00	2.20	44	30-155	
Ethylbenzene	5.00	4.90	98	75-125	
Hexachlorobutadiene	5.00	4.56	91	50-140	
Isopropylbenzene	5.00	4.51	90	75-125	
Ethylene Dibromide	5.00	4.63	93	80-120	
Methylene Chloride	5.00	3.65 J	73	55-140	
Methyl tert-butyl ether	5.00	4.66 J	93	65-125	
m-Xylene & p-Xylene	10.0	9.65	96	75-130	
Naphthalene	5.00	4.66	93	55-140	
n-Butylbenzene	5.00	4.61	92	70-135	
N-Propylbenzene	5.00	4.42	88	70-130	
o-Xylene	5.00	4.68	94	80-120	
Styrene	5.00	4.86	97	65-135	
sec-Butylbenzene	5.00	4.70	94	70-125	
tert-Butylbenzene	5.00	4.41	88	70-130	
trans-1,2-Dichloroethene	5.00	5.27	105	60-140	
trans-1,3-Dichloropropene	5.00	4.90	98	55-140	
Tetrachloroethene	5.00	4.96	99	45-150	
Toluene	5.00	5.14	103	75-120	
Trichloroethene	5.00	4.76	95	70-125	
Trichlorofluoromethane	5.00	3.84	77	60-145	
Vinyl chloride	5.00	4.11	82	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water Level: Low Lab File ID: H4533.D

Lab ID: LCSD 280-126758/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.88	98	5	30	80-130	
1,1,1-Trichloroethane	5.00	4.64	93	3	30	65-130	
1,2,3-Trichloropropane	5.00	4.88	98	8	30	75-125	
1,2,3-Trichlorobenzene	5.00	4.92	98	9	30	55-140	
1,1-Dichloroethane	5.00	5.11	102	3	30	70-135	
1,2,4-Trichlorobenzene	5.00	4.92	98	7	30	65-135	
1,2-Dibromo-3-Chloropropane	5.00	4.70 J	94	1	30	50-130	
1,1-Dichloropropene	5.00	5.10	102	3	30	75-130	
1,1-Dichloroethene	5.00	5.76	115	1	30	70-130	
1,1,2-Trichloroethane	5.00	4.93	99	0	30	75-125	
1,1,2,2-Tetrachloroethane	5.00	4.82	96	3	30	65-130	
1,2,4-Trimethylbenzene	5.00	4.70	94	6	30	75-130	
1,2-Dichlorobenzene	5.00	5.00	100	5	30	70-120	
1,2-Dichloroethane	5.00	4.77	95	2	30	70-130	
1,3-Dichlorobenzene	5.00	4.83	97	7	30	75-125	
1,3-Dichloropropane	5.00	4.93	99	3	30	75-125	
1,3,5-Trimethylbenzene	5.00	4.80	96	7	30	75-130	
2-Butanone (MEK)	20.0	16.8	84	1	30	30-150	
1,4-Dichlorobenzene	5.00	5.34	107	7	30	75-125	
1,2-Dichloropropane	5.00	4.93	99	3	30	75-125	
2,2-Dichloropropane	5.00	4.92	98	3	30	70-135	
2-Hexanone	20.0	15.9	79	2	30	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	17.6	88	1	30	60-135	
4-Isopropyltoluene	5.00	4.72	94	7	30	75-130	
Benzene	5.00	5.36	107	3	30	80-120	
Acetone	20.0	19.6	98	10	30	40-140	
Bromobenzene	5.00	5.11	102	7	30	75-125	
Bromoform	5.00	5.04	101	3	30	70-130	
Bromomethane	5.00	4.36	87	1	30	30-145	
Carbon tetrachloride	5.00	4.70	94	4	30	65-140	
Carbon disulfide	5.00	4.30	86	3	30	35-160	
2-Chlorotoluene	5.00	4.76	95	6	30	75-125	
4-Chlorotoluene	5.00	4.76	95	5	30	75-130	
Chlorobenzene	5.00	5.19	104	7	30	80-120	
Chlorobromomethane	5.00	5.38	108	5	30	65-130	
Chlorodibromomethane	5.00	4.81	96	4	30	60-135	
Chloroform	5.00	4.95	99	5	30	65-135	
Chloroethane	5.00	4.41	88	1	30	60-135	
Chloromethane	5.00	3.87	77	2	30	40-125	
cis-1,2-Dichloroethene	5.00	5.30	106	2	30	70-125	
cis-1,3-Dichloropropene	5.00	5.07	101	4	30	70-130	
Dibromomethane	5.00	4.85	97	1	30	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water Level: Low Lab File ID: H4533.D

Lab ID: LCSD 280-126758/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dichlorobromomethane	5.00	4.80	96	2	30	75-120	
Dichlorodifluoromethane	5.00	2.33	47	6	30	30-155	
Ethylbenzene	5.00	5.16	103	5	30	75-125	
Hexachlorobutadiene	5.00	4.90	98	7	30	50-140	
Isopropylbenzene	5.00	4.87	97	8	30	75-125	
Ethylene Dibromide	5.00	4.77	95	3	30	80-120	
Methylene Chloride	5.00	3.78 J	76	4	30	55-140	
Methyl tert-butyl ether	5.00	4.65 J	93	0	30	65-125	
m-Xylene & p-Xylene	10.0	10.1	101	5	30	75-130	
Naphthalene	5.00	4.90	98	5	30	55-140	
n-Butylbenzene	5.00	4.96	99	7	30	70-135	
N-Propylbenzene	5.00	4.66	93	5	30	70-130	
o-Xylene	5.00	5.00	100	7	30	80-120	
Styrene	5.00	5.14	103	6	30	65-135	
sec-Butylbenzene	5.00	5.02	100	6	30	70-125	
tert-Butylbenzene	5.00	4.76	95	8	30	70-130	
trans-1,2-Dichloroethene	5.00	5.50	110	4	30	60-140	
trans-1,3-Dichloropropene	5.00	4.90	98	0	30	55-140	
Tetrachloroethene	5.00	5.37	107	8	30	45-150	
Toluene	5.00	5.27	105	3	30	75-120	
Trichloroethene	5.00	5.09	102	7	30	70-125	
Trichlorofluoromethane	5.00	3.90	78	2	30	60-145	
Vinyl chloride	5.00	4.12	82	0	30	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water Level: Low Lab File ID: H4541.D

Lab ID: 280-30425-4 MS Client ID: LF1M1030UA MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	0.20 U	4.84	97	80-130	
1,1,1-Trichloroethane	5.00	0.20 U	4.75	95	65-130	
1,2,3-Trichloropropane	5.00	0.80 U	4.57	91	75-125	
1,2,3-Trichlorobenzene	5.00	0.40 U	4.46	89	55-140	
1,1-Dichloroethane	5.00	0.20 U	5.12	102	70-135	
1,2,4-Trichlorobenzene	5.00	0.80 U	4.56	91	65-135	
1,2-Dibromo-3-Chloropropane	5.00	1.6 U	4.56 J	91	50-130	
1,1-Dichloropropene	5.00	0.40 U	4.90	98	75-130	
1,1-Dichloroethene	5.00	0.20 U	5.78	116	70-130	
1,1,2-Trichloroethane	5.00	0.40 U	5.01	100	75-125	
1,1,2,2-Tetrachloroethane	5.00	0.40 U	4.68	94	65-130	
1,2,4-Trimethylbenzene	5.00	0.20 U	4.60	92	75-130	
1,2-Dichlorobenzene	5.00	0.20 U	4.78	96	70-120	
1,2-Dichloroethane	5.00	0.20 U	4.59	92	70-130	
1,3-Dichlorobenzene	5.00	0.20 U	4.92	98	75-125	
1,3-Dichloropropane	5.00	0.20 U	4.71	94	75-125	
1,3,5-Trimethylbenzene	5.00	0.40 U	4.64	93	75-130	
2-Butanone (MEK)	20.0	3.2 U	15.9	80	30-150	
1,4-Dichlorobenzene	5.00	0.40 U	4.96	99	75-125	
1,2-Dichloropropane	5.00	0.20 U	4.79	96	75-125	
2,2-Dichloropropane	5.00	0.40 U	4.99	100	70-135	
2-Hexanone	20.0	3.2 U	14.5	72	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	3.2 U	17.4	87	60-135	
4-Isopropyltoluene	5.00	0.40 U	4.53	91	75-130	
Benzene	5.00	0.20 U	5.20	104	80-120	
Acetone	20.0	6.4 U	18.7	94	40-140	
Bromobenzene	5.00	0.20 U	4.98	100	75-125	
Bromoform	5.00	0.40 U	4.82	96	70-130	
Bromomethane	5.00	0.40 U	4.28	86	30-145	
Carbon tetrachloride	5.00	0.40 U	4.55	91	65-140	
Carbon disulfide	5.00	0.80 U	4.23	85	35-160	
2-Chlorotoluene	5.00	0.40 U	4.65	93	75-125	
4-Chlorotoluene	5.00	0.40 U	4.57	91	75-130	
Chlorobenzene	5.00	0.20 U	4.96	99	80-120	
Chlorobromomethane	5.00	0.20 U	5.25	105	65-130	
Chlorodibromomethane	5.00	0.40 U	4.58	92	60-135	
Chloroform	5.00	0.20 U	4.95	99	65-135	
Chloroethane	5.00	1.6 U	4.51	90	60-135	
Chloromethane	5.00	0.80 U	3.79	76	40-125	
cis-1,2-Dichloroethene	5.00	0.20 U	5.32	106	70-125	
cis-1,3-Dichloropropene	5.00	0.20 U	5.04	101	70-130	
Dibromomethane	5.00	0.40 U	4.89	98	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water Level: Low Lab File ID: H4541.D

Lab ID: 280-30425-4 MS Client ID: LF1M1030UA MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Dichlorobromomethane	5.00	0.20 U	4.86	97	75-120	
Dichlorodifluoromethane	5.00	0.80 U	2.48	50	30-155	
Ethylbenzene	5.00	0.20 U	4.76	95	75-125	
Hexachlorobutadiene	5.00	0.40 U	4.70	94	50-140	
Isopropylbenzene	5.00	0.40 U	4.69	94	75-125	
Ethylene Dibromide	5.00	0.20 U	4.40	88	80-120	
Methylene Chloride	5.00	0.40 U	3.86 J	77	55-140	
Methyl tert-butyl ether	5.00	0.40 U	4.64 J	93	65-125	
m-Xylene & p-Xylene	10.0	0.80 U	9.61	96	75-130	
Naphthalene	5.00	0.80 U	4.46	89	55-140	
n-Butylbenzene	5.00	0.40 U	4.69	94	70-135	
N-Propylbenzene	5.00	0.20 U	4.52	90	70-130	
o-Xylene	5.00	0.40 U	4.79	96	80-120	
Styrene	5.00	0.40 U	4.94	99	65-135	
sec-Butylbenzene	5.00	0.40 U	4.76	95	70-125	
tert-Butylbenzene	5.00	0.40 U	4.60	92	70-130	
trans-1,2-Dichloroethene	5.00	0.20 U	5.33	107	60-140	
trans-1,3-Dichloropropene	5.00	0.40 U	4.93	99	55-140	
Tetrachloroethene	5.00	0.40 U	5.18	104	45-150	
Toluene	5.00	0.40 U	5.20	104	75-120	
Trichloroethene	5.00	0.20 U	5.05	101	70-125	
Trichlorofluoromethane	5.00	0.80 U	3.98	80	60-145	
Vinyl chloride	5.00	0.80 U	4.05	81	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water Level: Low Lab File ID: H4542.D

Lab ID: 280-30425-4 MSD Client ID: LF1M1030UA MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.21	104	7	30	80-130	
1,1,1-Trichloroethane	5.00	4.67	93	2	30	65-130	
1,2,3-Trichloropropane	5.00	5.01	100	9	30	75-125	
1,2,3-Trichlorobenzene	5.00	4.97	99	11	30	55-140	
1,1-Dichloroethane	5.00	5.15	103	1	30	70-135	
1,2,4-Trichlorobenzene	5.00	4.90	98	7	30	65-135	
1,2-Dibromo-3-Chloropropane	5.00	4.99 J	100	9	30	50-130	
1,1-Dichloropropene	5.00	4.88	98	0	30	75-130	
1,1-Dichloroethene	5.00	5.73	115	1	30	70-130	
1,1,2-Trichloroethane	5.00	5.23	105	4	30	75-125	
1,1,2,2-Tetrachloroethane	5.00	4.94	99	5	30	65-130	
1,2,4-Trimethylbenzene	5.00	4.81	96	4	30	75-130	
1,2-Dichlorobenzene	5.00	5.12	102	7	30	70-120	
1,2-Dichloroethane	5.00	4.83	97	5	30	70-130	
1,3-Dichlorobenzene	5.00	4.82	96	2	30	75-125	
1,3-Dichloropropane	5.00	5.04	101	7	30	75-125	
1,3,5-Trimethylbenzene	5.00	4.78	96	3	30	75-130	
2-Butanone (MEK)	20.0	17.7	88	10	30	30-150	
1,4-Dichlorobenzene	5.00	5.49	110	10	30	75-125	
1,2-Dichloropropane	5.00	4.91	98	3	30	75-125	
2,2-Dichloropropane	5.00	4.71	94	6	30	70-135	
2-Hexanone	20.0	16.0	80	10	30	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	18.4	92	5	30	60-135	
4-Isopropyltoluene	5.00	4.70	94	4	30	75-130	
Benzene	5.00	5.28	106	1	30	80-120	
Acetone	20.0	17.3	87	8	30	40-140	
Bromobenzene	5.00	5.16	103	4	30	75-125	
Bromoform	5.00	5.28	106	9	30	70-130	
Bromomethane	5.00	4.40	88	3	30	30-145	
Carbon tetrachloride	5.00	4.66	93	2	30	65-140	
Carbon disulfide	5.00	4.55	91	7	30	35-160	
2-Chlorotoluene	5.00	4.74	95	2	30	75-125	
4-Chlorotoluene	5.00	4.96	99	8	30	75-130	
Chlorobenzene	5.00	5.29	106	6	30	80-120	
Chlorobromomethane	5.00	5.40	108	3	30	65-130	
Chlorodibromomethane	5.00	4.98	100	8	30	60-135	
Chloroform	5.00	4.98	100	1	30	65-135	
Chloroethane	5.00	4.63	93	3	30	60-135	
Chloromethane	5.00	4.11	82	8	30	40-125	
cis-1,2-Dichloroethene	5.00	5.28	106	1	30	70-125	
cis-1,3-Dichloropropene	5.00	5.20	104	3	30	70-130	
Dibromomethane	5.00	5.06	101	3	30	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water Level: Low Lab File ID: H4542.D

Lab ID: 280-30425-4 MSD Client ID: LF1M1030UA MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dichlorobromomethane	5.00	4.96	99	2	30	75-120	
Dichlorodifluoromethane	5.00	2.43	49	2	30	30-155	
Ethylbenzene	5.00	5.16	103	8	30	75-125	
Hexachlorobutadiene	5.00	4.84	97	3	30	50-140	
Isopropylbenzene	5.00	4.84	97	3	30	75-125	
Ethylene Dibromide	5.00	4.92	98	11	30	80-120	
Methylene Chloride	5.00	3.96 J	79	3	30	55-140	
Methyl tert-butyl ether	5.00	4.85 J	97	4	30	65-125	
m-Xylene & p-Xylene	10.0	10.4	104	8	30	75-130	
Naphthalene	5.00	4.77	95	7	30	55-140	
n-Butylbenzene	5.00	4.82	96	3	30	70-135	
N-Propylbenzene	5.00	4.70	94	4	30	70-130	
o-Xylene	5.00	5.12	102	7	30	80-120	
Styrene	5.00	5.31	106	7	30	65-135	
sec-Butylbenzene	5.00	4.92	98	3	30	70-125	
tert-Butylbenzene	5.00	4.75	95	3	30	70-130	
trans-1,2-Dichloroethene	5.00	5.39	108	1	30	60-140	
trans-1,3-Dichloropropene	5.00	5.26	105	6	30	55-140	
Tetrachloroethene	5.00	5.38	108	4	30	45-150	
Toluene	5.00	5.34	107	3	30	75-120	
Trichloroethene	5.00	5.09	102	1	30	70-125	
Trichlorofluoromethane	5.00	4.08	82	3	30	60-145	
Vinyl chloride	5.00	4.05	81	0	30	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Lab File ID: H4534.D Lab Sample ID: MB 280-126758/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: MSV_H Date Analyzed: 07/05/2012 09:50

GC Column: DB-624 (75.53) ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-126758/4	H4532.D	07/05/2012 09:06
	LCSD 280-126758/5	H4533.D	07/05/2012 09:28
LF1M1030UA	280-30425-4	H4540.D	07/05/2012 12:05
LF1M1030UA MS	280-30425-4 MS	H4541.D	07/05/2012 12:28
LF1M1030UA MSD	280-30425-4 MSD	H4542.D	07/05/2012 12:50
LF1M0526UA	280-30425-2	H4544.D	07/05/2012 13:34
LF1M0620UA	280-30425-3	H4545.D	07/05/2012 13:57
LF1M1030UC	280-30425-5	H4546.D	07/05/2012 14:19
LF1M1212UA	280-30425-6	H4547.D	07/05/2012 14:41
MWSAR0324UA	280-30425-7	H4548.D	07/05/2012 15:04
062512UE	280-30425-8	H4549.D	07/05/2012 15:26
062512UF	280-30425-9	H4550.D	07/05/2012 15:48
062512UR	280-30425-10	H4551.D	07/05/2012 16:10

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Lab File ID: H4454.D BFB Injection Date: 07/02/2012

Instrument ID: MSV_H BFB Injection Time: 12:21

Analysis Batch No.: 126680

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	44.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	71.4	
175	5.0 - 9.0 % of mass 174	5.7	(8.0)1
176	95.0 - 101.0 % of mass 174	72.0	(100.8)1
177	5.0 - 9.0 % of mass 176	5.1	(7.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-126680/2	H4455.D	07/02/2012	12:30
	IC 280-126680/3	H4456.D	07/02/2012	12:52
	IC 280-126680/4	H4457.D	07/02/2012	13:15
	IC 280-126680/5	H4458.D	07/02/2012	13:37
	IC 280-126680/6	H4459.D	07/02/2012	13:59
	IC 280-126680/7	H4460.D	07/02/2012	14:21
	IC 280-126680/8	H4461.D	07/02/2012	14:44
	ICV 280-126680/9	H4462.D	07/02/2012	15:06
	ICV 280-126680/10	H4463.D	07/02/2012	15:28
	ICV 280-126680/11	H4464.D	07/02/2012	15:51
	IC 280-126680/12	H4465.D	07/02/2012	16:13
	IC 280-126680/13	H4466.D	07/02/2012	16:35
	IC 280-126680/14	H4467.D	07/02/2012	16:58
	ICIS 280-126680/15	H4468.D	07/02/2012	17:20
	IC 280-126680/16	H4469.D	07/02/2012	17:42
	IC 280-126680/17	H4470.D	07/02/2012	18:04
	ICV 280-126680/18	H4471.D	07/02/2012	18:26

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Lab File ID: H4529.D BFB Injection Date: 07/05/2012

Instrument ID: MSV_H BFB Injection Time: 08:14

Analysis Batch No.: 126758

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.6	
75	30.0 - 60.0 % of mass 95	43.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	77.3	
175	5.0 - 9.0 % of mass 174	6.4	(8.3)1
176	95.0 - 101.0 % of mass 174	76.9	(99.6)1
177	5.0 - 9.0 % of mass 176	5.2	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-126758/2	H4530.D	07/05/2012	08:21
	CCV 280-126758/3	H4531.D	07/05/2012	08:44
	LCS 280-126758/4	H4532.D	07/05/2012	09:06
	LCSD 280-126758/5	H4533.D	07/05/2012	09:28
	MB 280-126758/6	H4534.D	07/05/2012	09:50
LF1M1030UA	280-30425-4	H4540.D	07/05/2012	12:05
LF1M1030UA MS	280-30425-4 MS	H4541.D	07/05/2012	12:28
LF1M1030UA MSD	280-30425-4 MSD	H4542.D	07/05/2012	12:50
LF1M0526UA	280-30425-2	H4544.D	07/05/2012	13:34
LF1M0620UA	280-30425-3	H4545.D	07/05/2012	13:57
LF1M1030UC	280-30425-5	H4546.D	07/05/2012	14:19
LF1M1212UA	280-30425-6	H4547.D	07/05/2012	14:41
MWSAR0324UA	280-30425-7	H4548.D	07/05/2012	15:04
062512UE	280-30425-8	H4549.D	07/05/2012	15:26
062512UF	280-30425-9	H4550.D	07/05/2012	15:48
062512UR	280-30425-10	H4551.D	07/05/2012	16:10

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Sample No.: ICIS 280-126680/15 Date Analyzed: 07/02/2012 17:20

Instrument ID: MSV_H GC Column: DB-624 (75.53) ID: 0.53(mm)

Lab File ID (Standard): H4468.D Heated Purge: (Y/N) N

Calibration ID: 9916

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1034819	7.61	256358	11.96	375990	14.75
UPPER LIMIT		2069638	8.11	512716	12.46	751980	15.25
LOWER LIMIT		517410	7.11	128179	11.46	187995	14.25
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-126680/9		938119	7.61	237585	11.96	338327	14.75
ICV 280-126680/10		1002661	7.61	236057	11.97	362058	14.75
ICV 280-126680/11		1013708	7.61	253921	11.97	366471	14.75
ICV 280-126680/18		1047832	7.61	267508	11.96	381913	14.75
CCV 280-126758/2		968631	7.59	235737	11.95	379479	14.73
CCV 280-126758/3		970659	7.60	237489	11.95	359392	14.73
LCS 280-126758/4		939219	7.60	227670	11.95	363559	14.73
LCSD 280-126758/5		968479	7.61	228156	11.95	362057	14.73
MB 280-126758/6		914613	7.61	229256	11.95	348699	14.75
280-30425-4	LF1M1030UA	957604	7.62	240011	11.95	363942	14.76
280-30425-4 MS	LF1M1030UA MS	961171	7.61	236527	11.96	365441	14.75
280-30425-4 MSD	LF1M1030UA MSD	987384	7.62	229988	11.95	367152	14.76
280-30425-2	LF1M0526UA	938726	7.61	240570	11.96	364441	14.75
280-30425-3	LF1M0620UA	924857	7.61	237094	11.97	360303	14.75
280-30425-5	LF1M1030UC	926879	7.62	226304	11.97	361688	14.75
280-30425-6	LF1M1212UA	913230	7.61	230227	11.97	348036	14.75
280-30425-7	MWSAR0324UA	938783	7.61	240777	11.96	367320	14.75
280-30425-8	062512UE	875297	7.61	218820	11.96	349167	14.75
280-30425-9	062512UF	959589	7.63	243753	11.96	368994	14.75
280-30425-10	062512UR	954509	7.61	239974	11.96	363670	14.75

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M0526UA | Lab Sample ID: 280-30425-2

Matrix: Water | Lab File ID: H4544.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 13:35

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 13:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.19	J	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.44	J	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	1.8		1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	1.2		1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M0526UA | Lab Sample ID: 280-30425-2

Matrix: Water | Lab File ID: H4544.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 13:35

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 13:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.30	J	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.98	J	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M0526UA Lab Sample ID: 280-30425-2

Matrix: Water Lab File ID: H4544.D

Analysis Method: 8260B/DoD Date Collected: 06/25/2012 13:35

Sample wt/vol: 20(mL) Date Analyzed: 07/05/2012 13:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126758 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	108		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		70-120
460-00-4	4-Bromofluorobenzene (Surr)	102		75-120
1868-53-7	Dibromofluoromethane (Surr)	98		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4544.D
Lab Smp Id: 280-30425-G-2 Client Smp ID: LF1M0526UA
Inj Date : 05-JUL-2012 13:34
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30425-g-2,,PH<2
Misc Info : 280-30425-G-2
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\8260B-H2O.m
Meth Date : 05-Jul-2012 11:06 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
* 61	Fluorobenzene	96	7.611	7.614	(1.000)	938726	12.5000	
* 86	Chlorobenzene-d5	119	11.963	11.966	(1.000)	240570	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.749	14.752	(1.000)	364441	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.775	6.761	(0.890)	456438	8.83858	8.83858
$ 57	1,2-Dichloroethane-d4	65	7.193	7.196	(0.945)	153342	8.23131	8.23130
$ 75	Toluene-d8	98	9.752	9.755	(0.815)	887651	9.72254	9.72254
$ 98	4-Bromofluorobenzene (Surr)	95	13.461	13.464	(0.913)	414317	9.14633	9.14633
M 1	1,2-Dichloroethene (total)	96				8427	0.30336	0.303360(a)
M 2	Xylene (total)	106	Compound Not Detected.					
6	dichlorodifluoromethane	85	Compound Not Detected.					
7	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
8	Chloromethane	50	Compound Not Detected.					
9	Vinyl Chloride	62	2.998	2.996	(0.394)	6536	0.29121	0.291208(a)
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
17	Ethyl Ether	59	3.868	3.888	(0.508)	34940	2.33791	2.33791
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	5.487	5.520	(0.721)	9085	0.18918	0.189180(a)
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	6.166	6.182	(0.810)	8427	0.30336	0.303360(a)
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	6.880	6.865	(0.904)	40809	0.98210	0.982103(aQ)
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	7.280	7.261	(0.957)	141268	1.80109	1.80109
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	8.099	8.097	(1.064)	4422	0.13054	0.130540(a)
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
85 1,2-Dibromoethane	107	Compound Not Detected.					
87 1-Chlorohexane	91	Compound Not Detected.					
88 Chlorobenzene	112	11.998	12.014	(1.003)	87893	1.23093	1.23092
89 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90 Ethylbenzene	106	Compound Not Detected.					
91 m and p-Xylene	106	Compound Not Detected.					
92 o-Xylene	106	Compound Not Detected.					
93 Styrene	104	Compound Not Detected.					
94 Bromoform	173	Compound Not Detected.					
95 isopropyl benzene	105	Compound Not Detected.					
96 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	Compound Not Detected.					
100 Bromobenzene	156	Compound Not Detected.					
99 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101 1,2,3-Trichloropropane	110	Compound Not Detected.					
102 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103 n-Propylbenzene	120	Compound Not Detected.					
104 2-Chlorotoluene	126	Compound Not Detected.					
105 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106 4-Chlorotoluene	126	Compound Not Detected.					
107 tert-Butylbenzene	119	Compound Not Detected.					
108 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109 sec-Butylbenzene	134	Compound Not Detected.					
110 1,3-Dichlorobenzene	146	Compound Not Detected.					
111 4-Isopropyltoluene	119	Compound Not Detected.					
113 1,4-dichlorobenzene	146	14.766	14.782	(1.001)	29715	0.43954	0.439540(a)
115 n-Butylbenzene	91	Compound Not Detected.					
116 1,2-Dichlorobenzene	146	Compound Not Detected.					
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119 Hexachlorobutadiene	225	Compound Not Detected.					
120 Naphthalene	128	Compound Not Detected.					
121 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

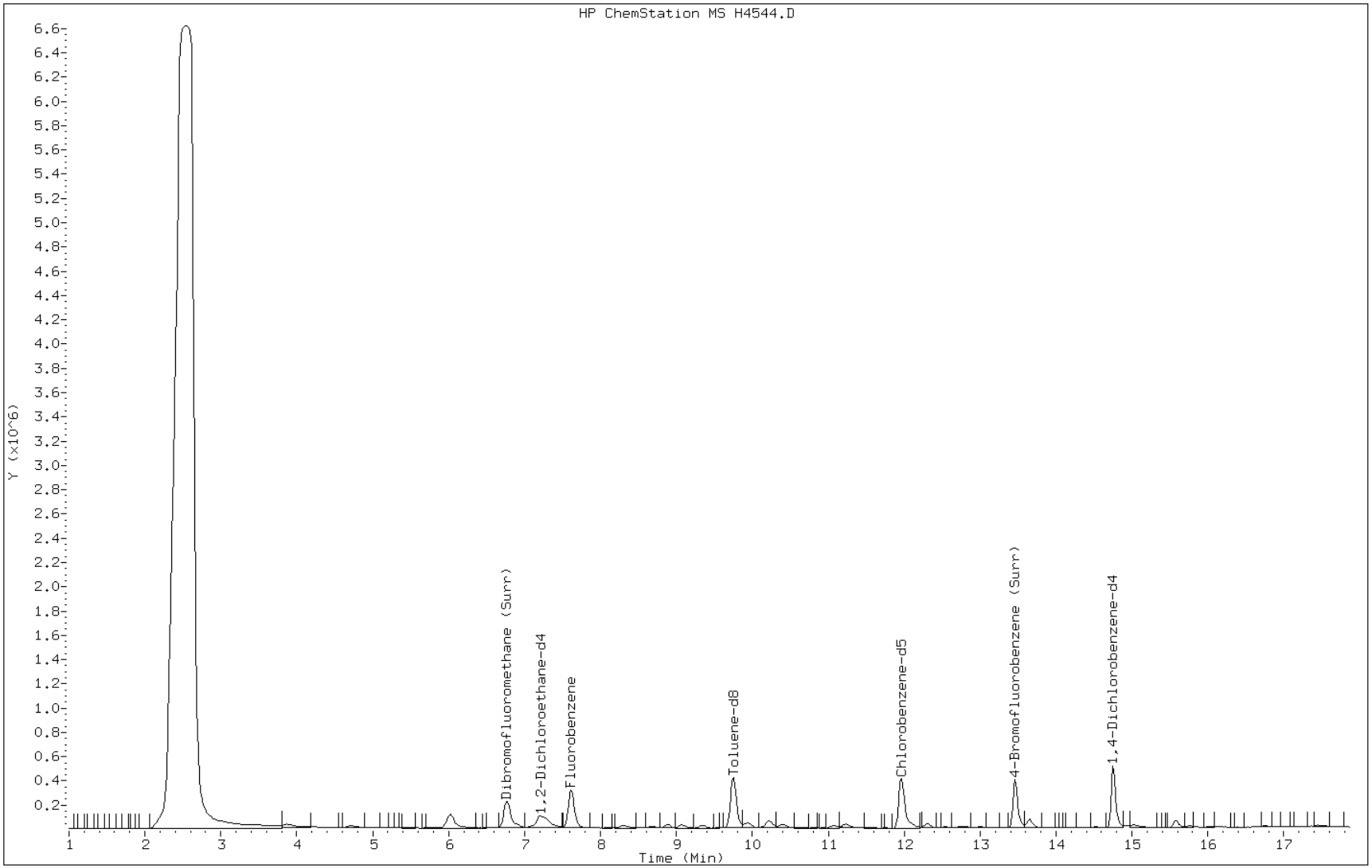
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: H4544.D

Date: 05-JUL-2012 13:34

Client ID: LF1M0526UA Instrument: H.i

Sample Info: 280-30425-g-2,,PH<2 Operator: MEIERG



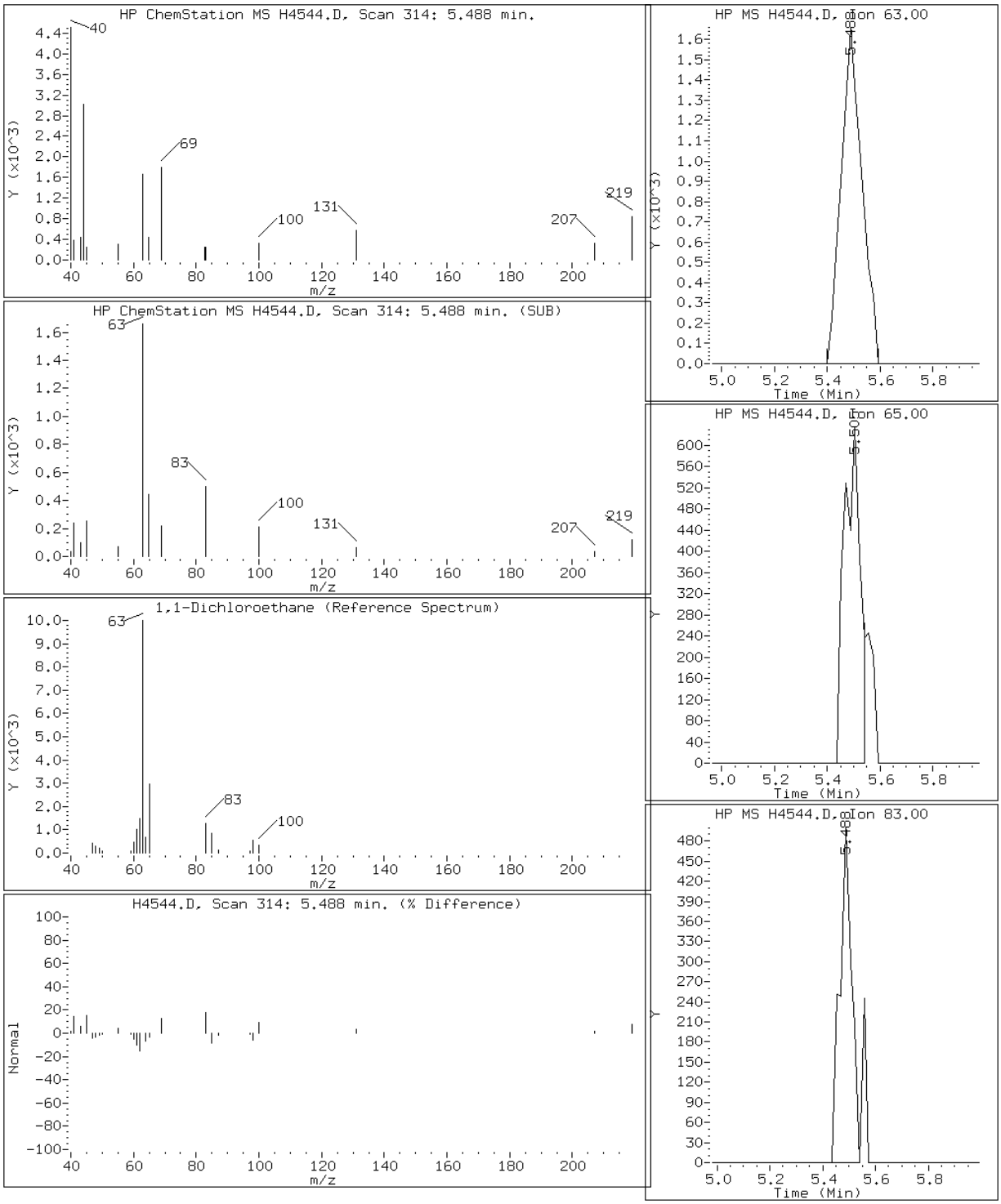
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Date: 05-JUL-2012 13:34

Client ID: LF1M0526UA Instrument: H.i

Sample Info: 280-30425-g-2,,PH<2 Operator: MEIERG

36 1,1-Dichloroethane



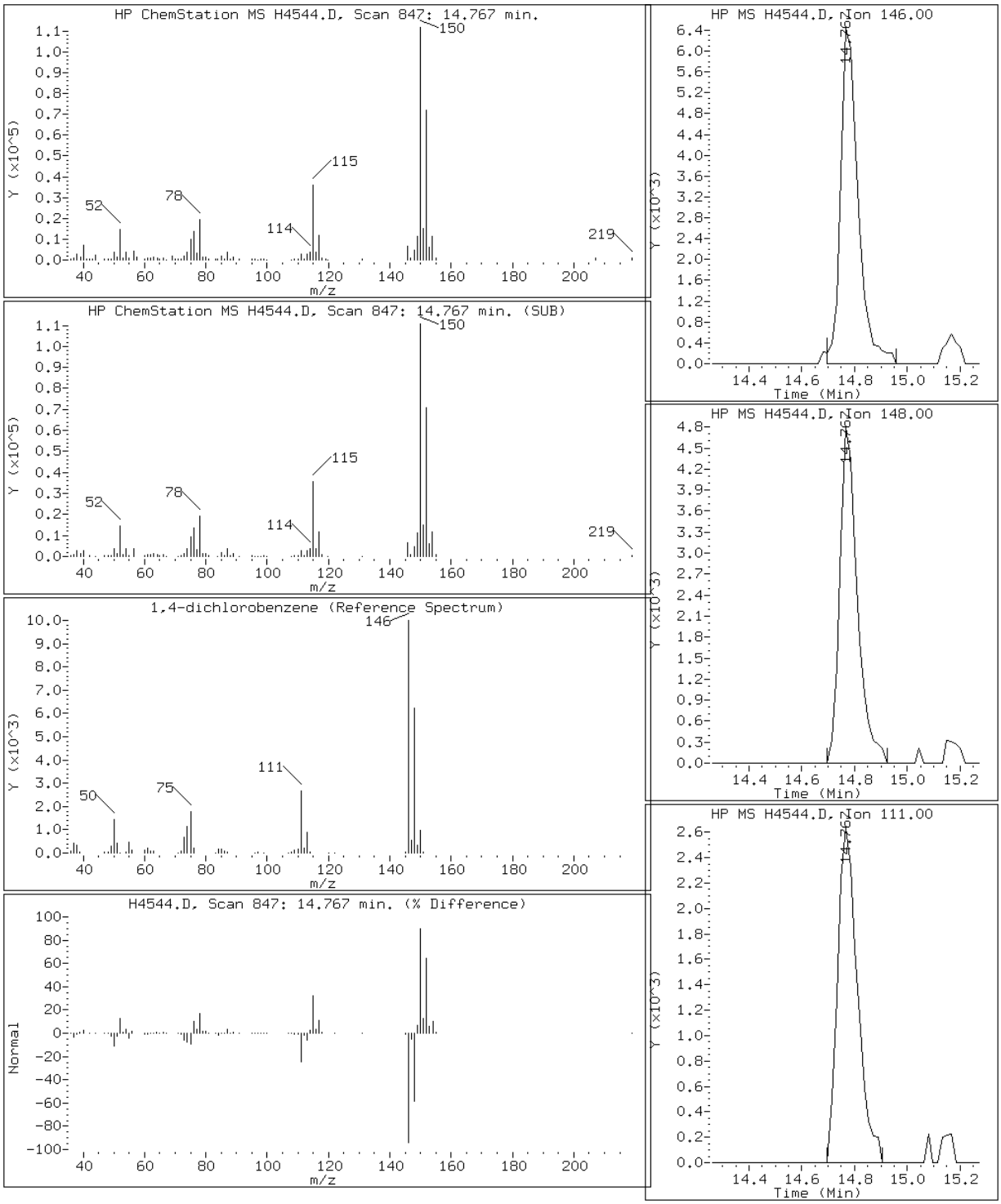
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Date: 05-JUL-2012 13:34

Client ID: LF1M0526UA Instrument: H.i

Sample Info: 280-30425-g-2,,PH<2 Operator: MEIERG

113 1,4-dichlorobenzene



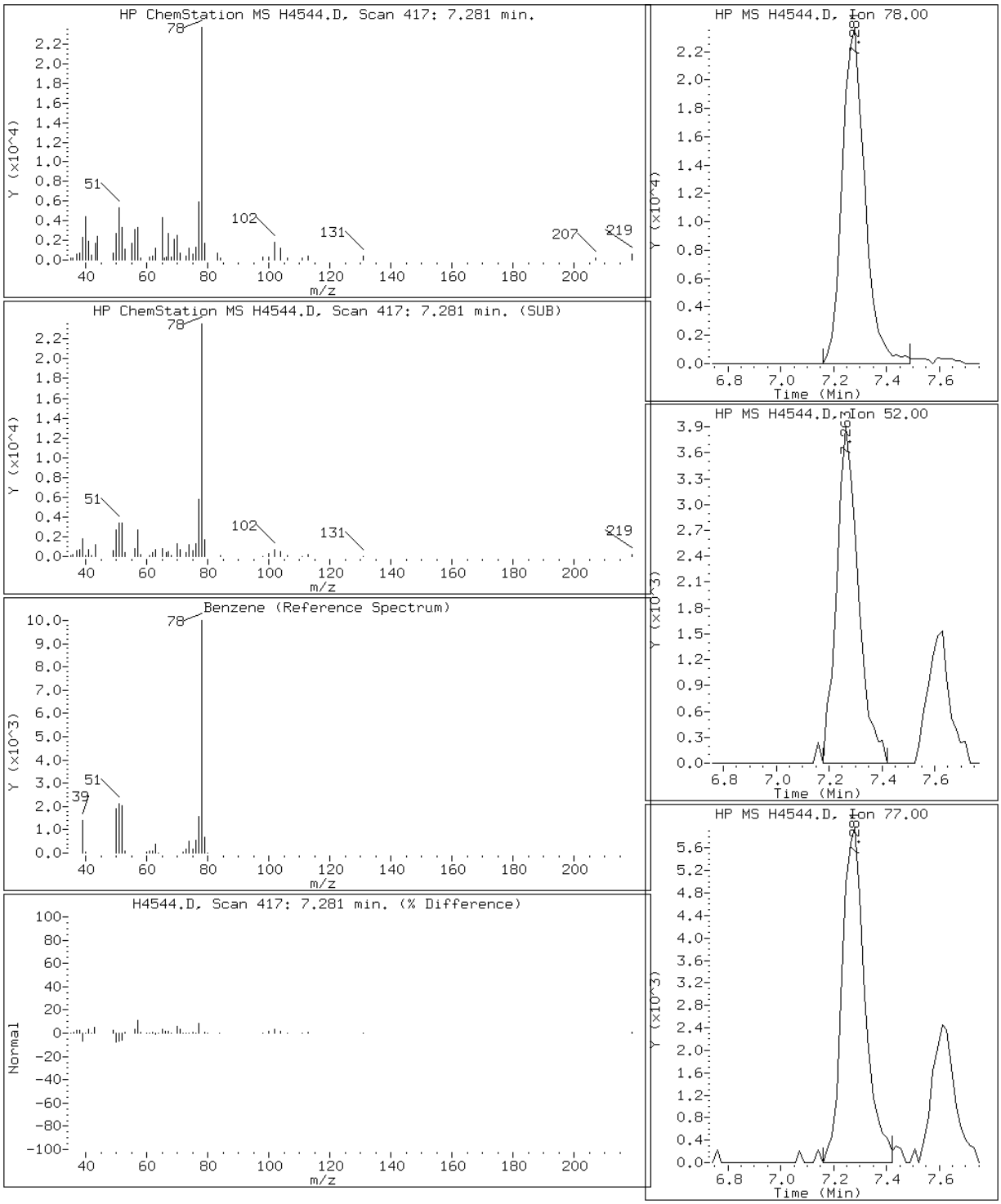
Data File: H4544.D

Date: 05-JUL-2012 13:34

Client ID: LF1M0526UA Instrument: H.i

Sample Info: 280-30425-g-2,,PH<2 Operator: MEIERG

58 Benzene



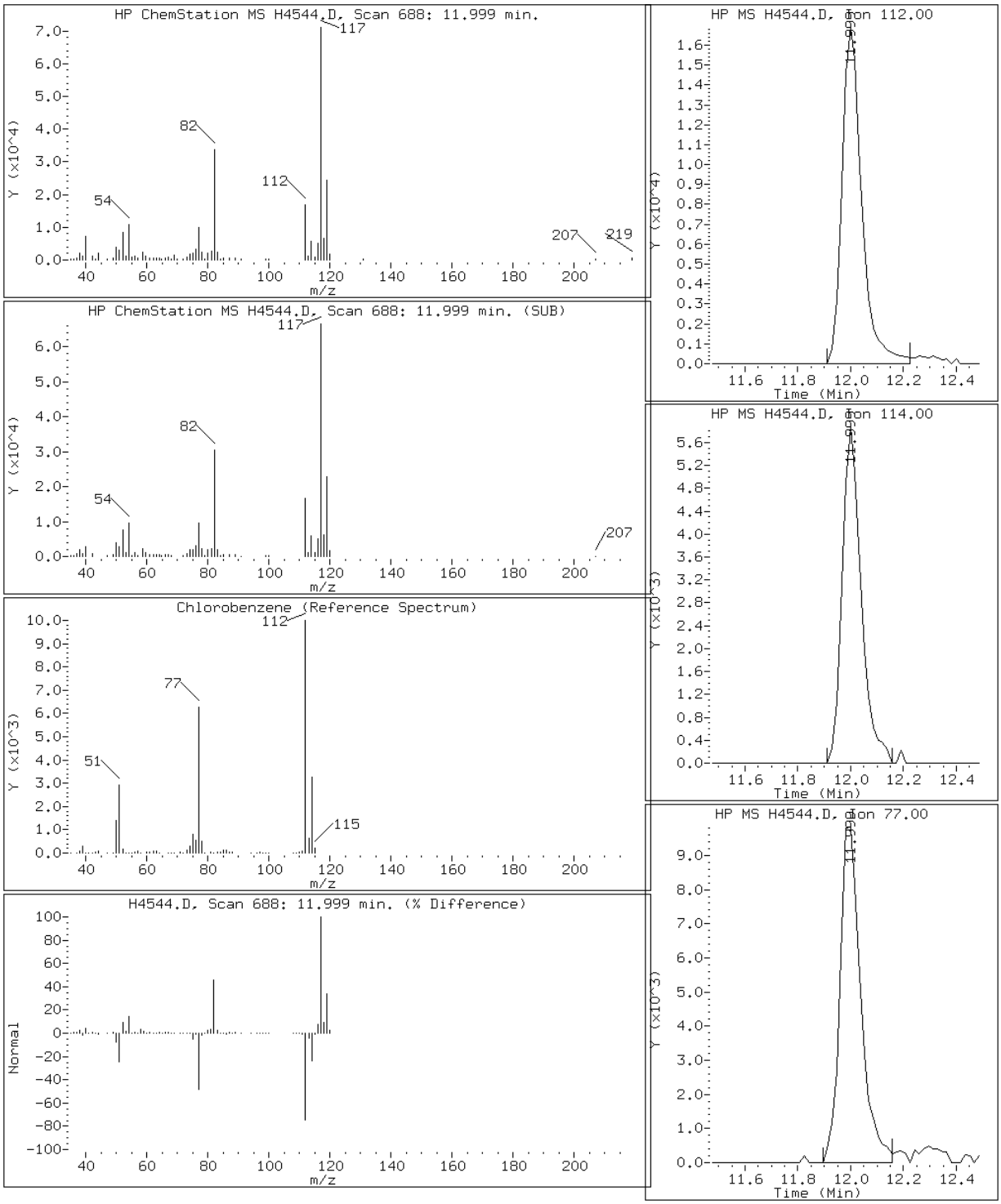
Data File: H4544.D

Date: 05-JUL-2012 13:34

Client ID: LF1M0526UA Instrument: H.i

Sample Info: 280-30425-g-2,,PH<2 Operator: MEIERG

88 Chlorobenzene



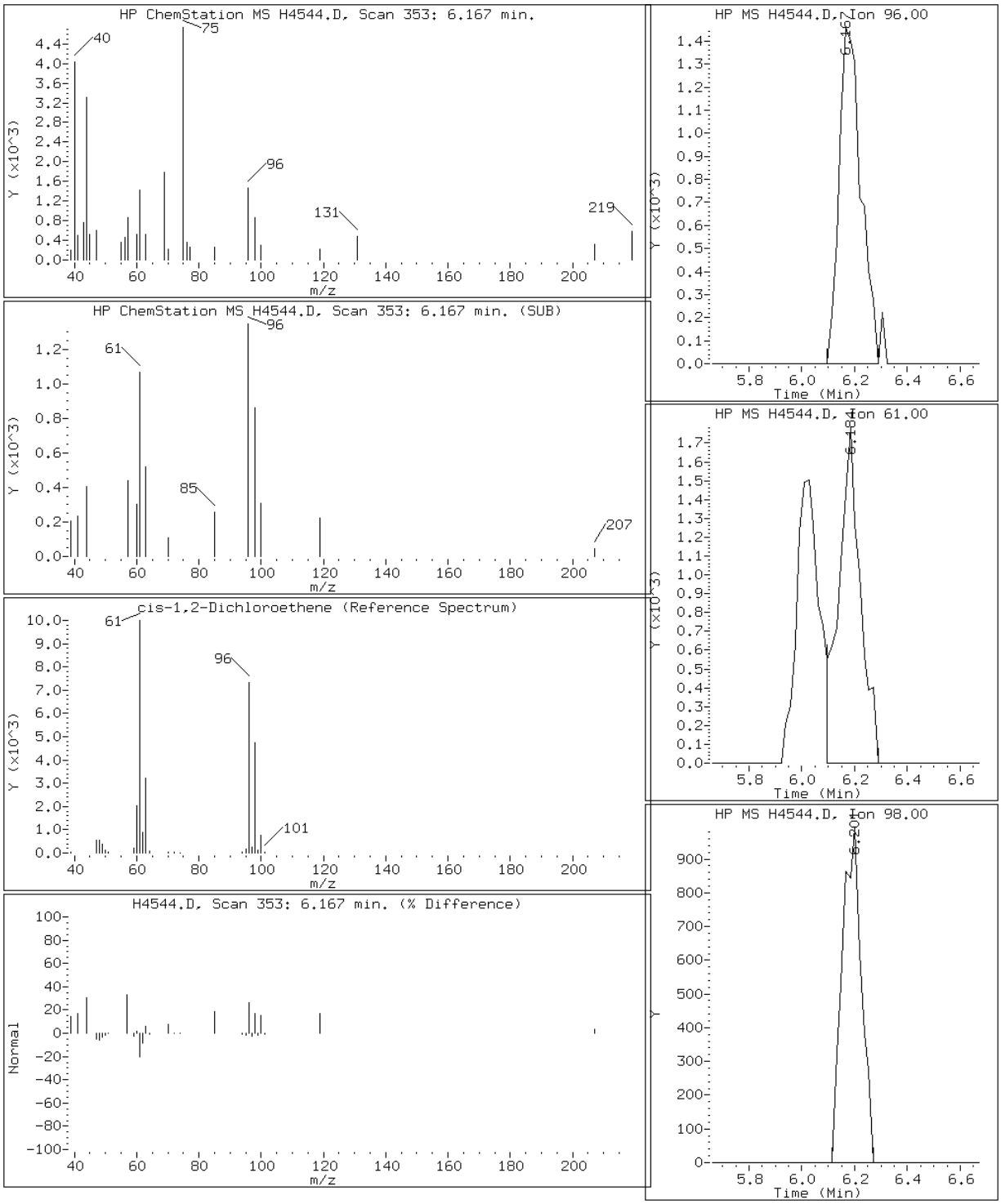
Data File: H4544.D

Date: 05-JUL-2012 13:34

Client ID: LF1M0526UA Instrument: H.i

Sample Info: 280-30425-g-2,,PH<2 Operator: MEIERG

41 cis-1,2-Dichloroethene



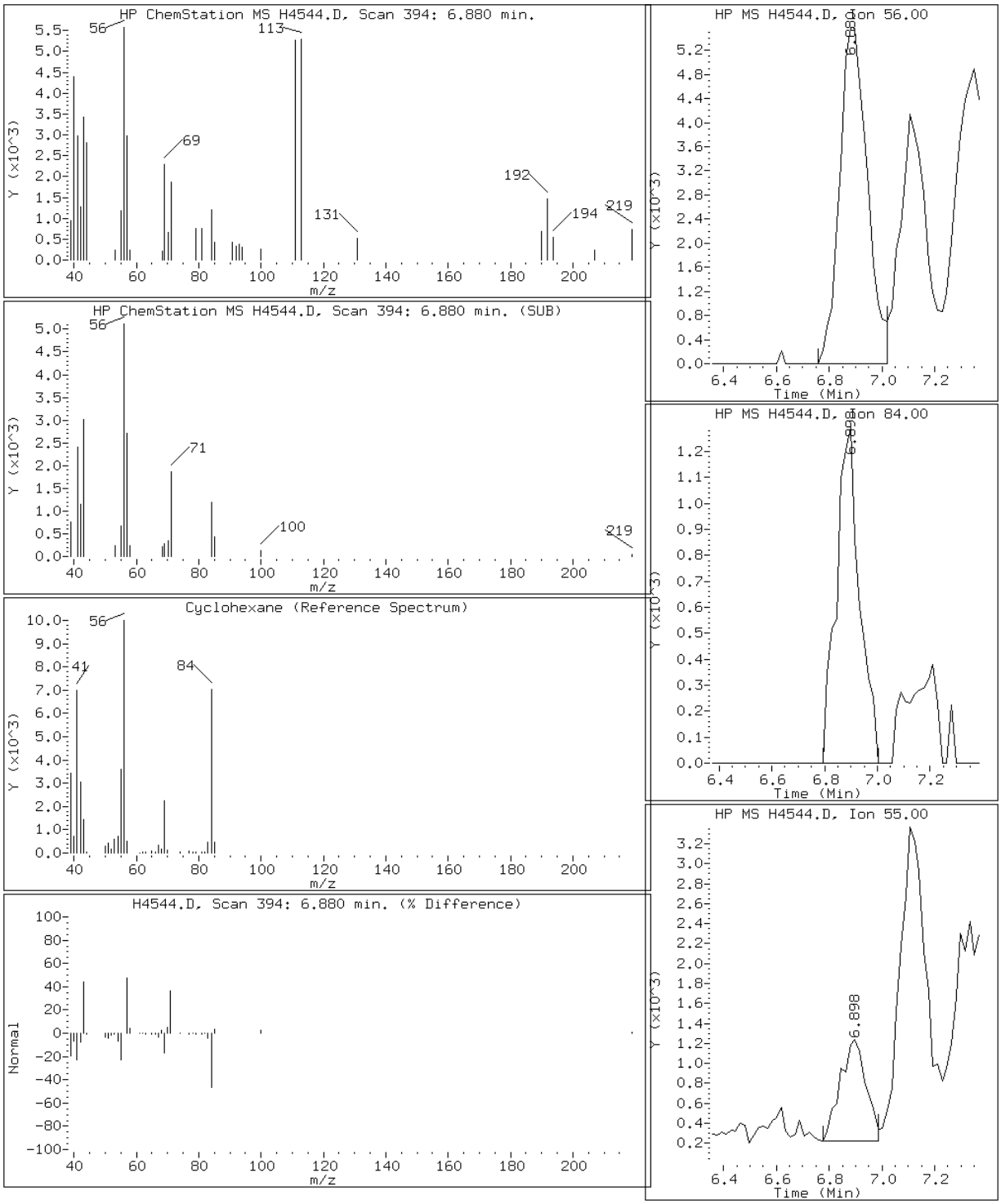
Data File: H4544.D

Date: 05-JUL-2012 13:34

Client ID: LF1M0526UA Instrument: H.i

Sample Info: 280-30425-g-2,,PH<2 Operator: MEIERG

53 Cyclohexane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M0620UA | Lab Sample ID: 280-30425-3

Matrix: Water | Lab File ID: H4545.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 15:45

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 13:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.27	J	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.27	J	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M0620UA | Lab Sample ID: 280-30425-3

Matrix: Water | Lab File ID: H4545.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 15:45

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 13:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M0620UA Lab Sample ID: 280-30425-3

Matrix: Water Lab File ID: H4545.D

Analysis Method: 8260B/DoD Date Collected: 06/25/2012 15:45

Sample wt/vol: 20(mL) Date Analyzed: 07/05/2012 13:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126758 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	116		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		70-120
460-00-4	4-Bromofluorobenzene (Surr)	110		75-120
1868-53-7	Dibromofluoromethane (Surr)	105		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4545.D
Lab Smp Id: 280-30425-H-3 Client Smp ID: LF1M0620UA
Inj Date : 05-JUL-2012 13:57
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30425-h-3,,PH<2
Misc Info : 280-30425-H-3
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\8260B-H2O.m
Meth Date : 05-Jul-2012 11:06 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.614	7.614	(1.000)	924857	12.5000	
* 86	Chlorobenzene-d5	119	11.967	11.966	(1.000)	237094	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.752	14.752	(1.000)	360303	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.779	6.761	(0.890)	481274	9.45927	9.45927
$ 57	1,2-Dichloroethane-d4	65	7.196	7.196	(0.945)	159755	8.70415	8.70415
$ 75	Toluene-d8	98	9.756	9.755	(0.815)	940806	10.4558	10.4558
$ 98	4-Bromofluorobenzene (Surr)	95	13.464	13.464	(0.913)	441607	9.86074	9.86074
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 2	Xylene (total)	106	Compound Not Detected.					
6	dichlorodifluoromethane	85	Compound Not Detected.					
7	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
8	Chloromethane	50	Compound Not Detected.					
9	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
17	Ethyl Ether	59	3.889	3.888	(0.511)	13453	0.91367	0.913667(a)
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	7.266	7.261	(0.954)	20979	0.27148	0.271482(a)
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
85 1,2-Dibromoethane	107	Compound Not Detected.					
87 1-Chlorohexane	91	Compound Not Detected.					
88 Chlorobenzene	112	Compound Not Detected.					
89 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90 Ethylbenzene	106	Compound Not Detected.					
91 m and p-Xylene	106	Compound Not Detected.					
92 o-Xylene	106	Compound Not Detected.					
93 Styrene	104	Compound Not Detected.					
94 Bromoform	173	13.098	13.093	(1.095)	5408	0.26858	0.268577(a)
95 isopropyl benzene	105	Compound Not Detected.					
96 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	Compound Not Detected.					
100 Bromobenzene	156	Compound Not Detected.					
99 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101 1,2,3-Trichloropropane	110	Compound Not Detected.					
102 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103 n-Propylbenzene	120	Compound Not Detected.					
104 2-Chlorotoluene	126	Compound Not Detected.					
105 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106 4-Chlorotoluene	126	Compound Not Detected.					
107 tert-Butylbenzene	119	Compound Not Detected.					
108 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109 sec-Butylbenzene	134	Compound Not Detected.					
110 1,3-Dichlorobenzene	146	Compound Not Detected.					
111 4-Isopropyltoluene	119	Compound Not Detected.					
113 1,4-dichlorobenzene	146	Compound Not Detected.					
115 n-Butylbenzene	91	Compound Not Detected.					
116 1,2-Dichlorobenzene	146	Compound Not Detected.					
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119 Hexachlorobutadiene	225	Compound Not Detected.					
120 Naphthalene	128	Compound Not Detected.					
121 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

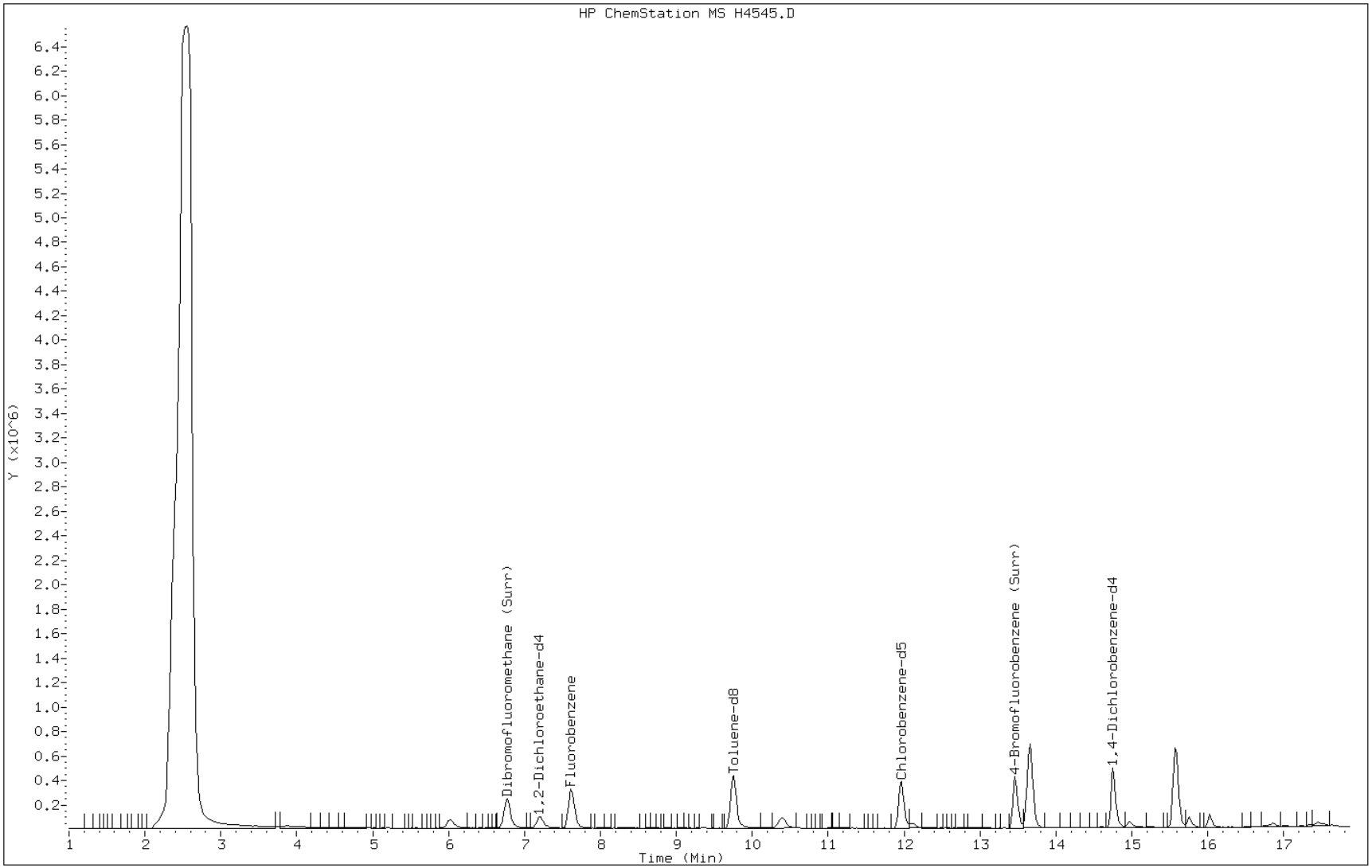
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: H4545.D

Date: 05-JUL-2012 13:57

Client ID: LF1M0620UA Instrument: H.i

Sample Info: 280-30425-h-3,,PH<2 Operator: MEIERG



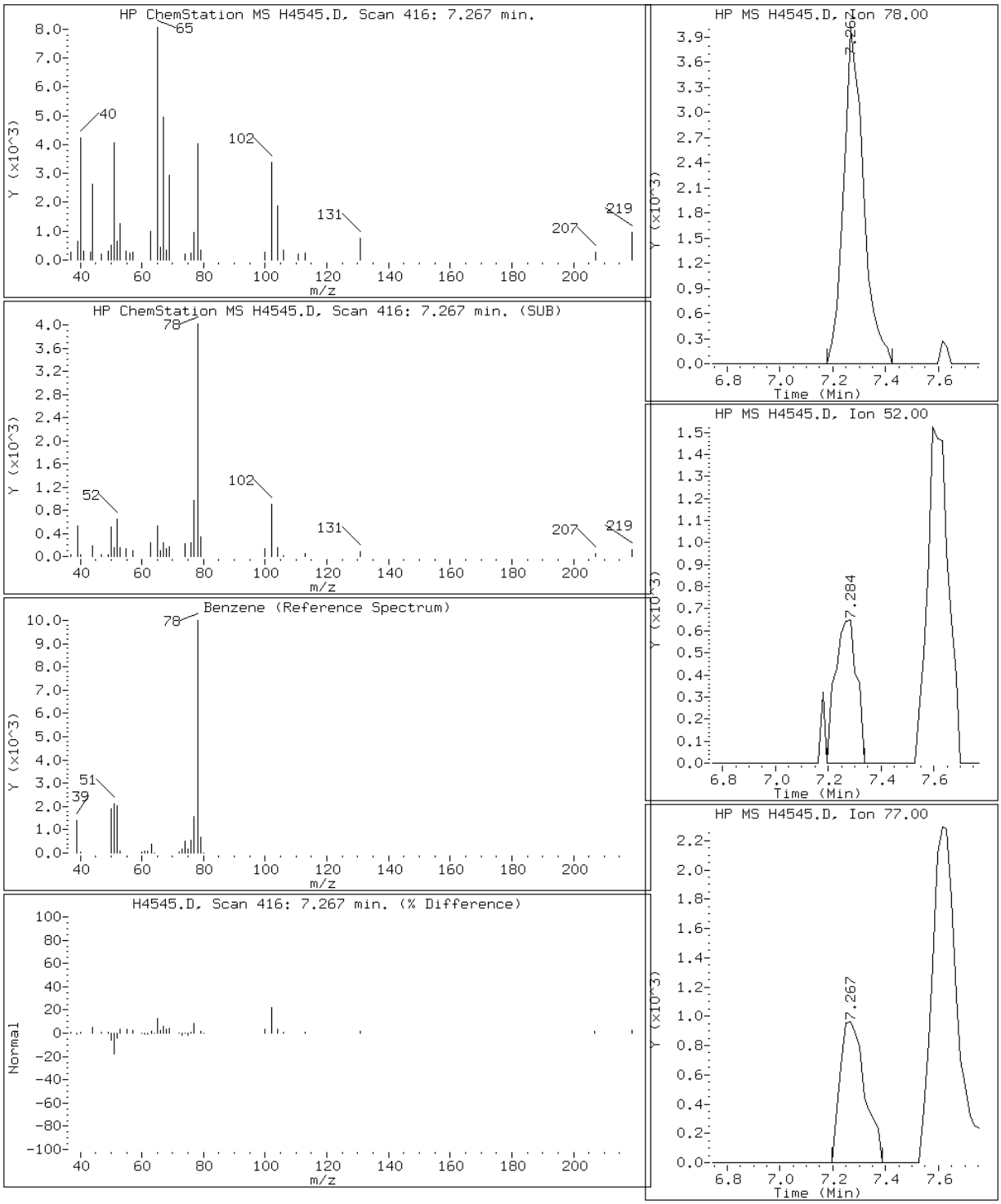
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Date: 05-JUL-2012 13:57

Client ID: LF1M0620UA Instrument: H.i

Sample Info: 280-30425-h-3,,PH<2 Operator: MEIERG

58 Benzene



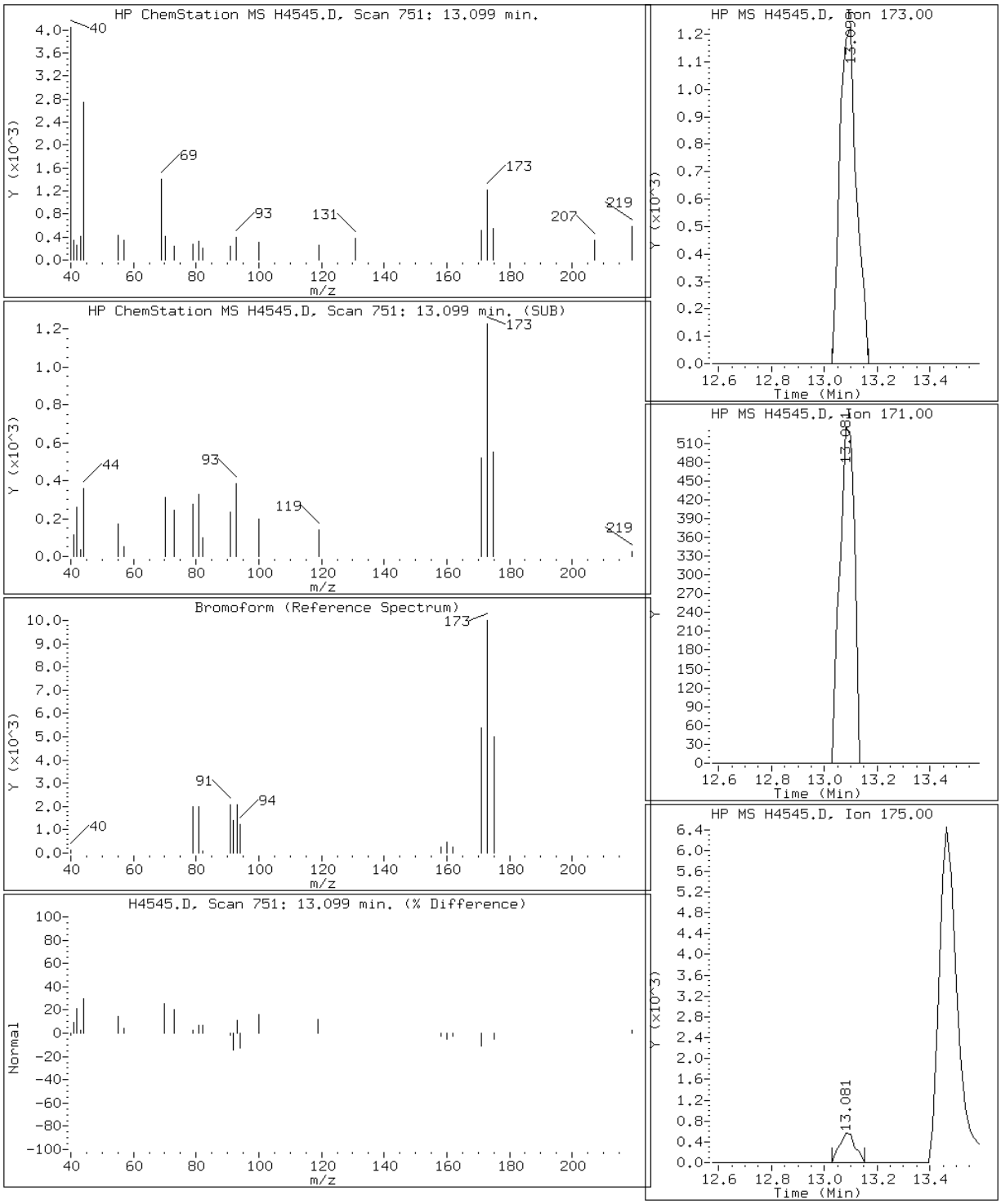
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Date: 05-JUL-2012 13:57

Client ID: LF1M0620UA Instrument: H.i

Sample Info: 280-30425-h-3,,PH<2 Operator: MEIERG

94 Bromoform



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M1030UA | Lab Sample ID: 280-30425-4

Matrix: Water | Lab File ID: H4540.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 12:42

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 12:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M1030UA | Lab Sample ID: 280-30425-4

Matrix: Water | Lab File ID: H4540.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 12:42

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 12:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M1030UA Lab Sample ID: 280-30425-4

Matrix: Water Lab File ID: H4540.D

Analysis Method: 8260B/DoD Date Collected: 06/25/2012 12:42

Sample wt/vol: 20(mL) Date Analyzed: 07/05/2012 12:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126758 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	112		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		70-120
460-00-4	4-Bromofluorobenzene (Surr)	103		75-120
1868-53-7	Dibromofluoromethane (Surr)	99		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4540.D
Lab Smp Id: 280-30425-X-4 Client Smp ID: LF1M1030UA
Inj Date : 05-JUL-2012 12:05
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30425-x-4,,PH<2
Misc Info : 280-30425-X-4
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\8260B-H2O.m
Meth Date : 05-Jul-2012 11:06 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	61 Fluorobenzene	96	7.617	7.614	(1.000)	957604	12.5000	
*	86 Chlorobenzene-d5	119	11.952	11.966	(1.000)	240011	12.5000	
*	112 1,4-Dichlorobenzene-d4	152	14.755	14.752	(1.000)	363942	12.5000	
$	51 Dibromofluoromethane (Surr)	111	6.764	6.761	(0.888)	467079	8.86633	8.86633
$	57 1,2-Dichloroethane-d4	65	7.199	7.196	(0.945)	156476	8.23395	8.23395
$	75 Toluene-d8	98	9.741	9.755	(0.815)	915230	10.0480	10.0480
$	98 4-Bromofluorobenzene (Surr)	95	13.449	13.464	(0.912)	421129	9.30946	9.30946
M	1 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	2 Xylene (total)	106	Compound Not Detected.					
	6 dichlorodifluoromethane	85	Compound Not Detected.					
	7 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	8 Chloromethane	50	Compound Not Detected.					
	9 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	17 Ethyl Ether	59	Compound Not Detected.					
	18 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
	19 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
	20 Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	4.378	4.389	(0.575)	11725	0.18654	0.186540(a)
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	8.104	8.097	(1.064)	3701	0.10710	0.107102(aQ)
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	10.716	10.708	(0.897)	5765	0.16120	0.161202(a)
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
85	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
88	Chlorobenzene	112	Compound Not Detected.					
89	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90	Ethylbenzene	106	Compound Not Detected.					
91	m and p-Xylene	106	Compound Not Detected.					
92	o-Xylene	106	Compound Not Detected.					
93	Styrene	104	Compound Not Detected.					
94	Bromoform	173	Compound Not Detected.					
95	isopropyl benzene	105	Compound Not Detected.					
96	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97	Cyclohexanone	55	Compound Not Detected.					
100	Bromobenzene	156	Compound Not Detected.					
99	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	1,2,3-Trichloropropane	110	Compound Not Detected.					
102	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103	n-Propylbenzene	120	Compound Not Detected.					
104	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106	4-Chlorotoluene	126	Compound Not Detected.					
107	tert-Butylbenzene	119	Compound Not Detected.					
108	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109	sec-Butylbenzene	134	Compound Not Detected.					
110	1,3-Dichlorobenzene	146	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
113	1,4-dichlorobenzene	146	Compound Not Detected.					
115	n-Butylbenzene	91	Compound Not Detected.					
116	1,2-Dichlorobenzene	146	Compound Not Detected.					
117	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119	Hexachlorobutadiene	225	Compound Not Detected.					
120	Naphthalene	128	Compound Not Detected.					
121	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

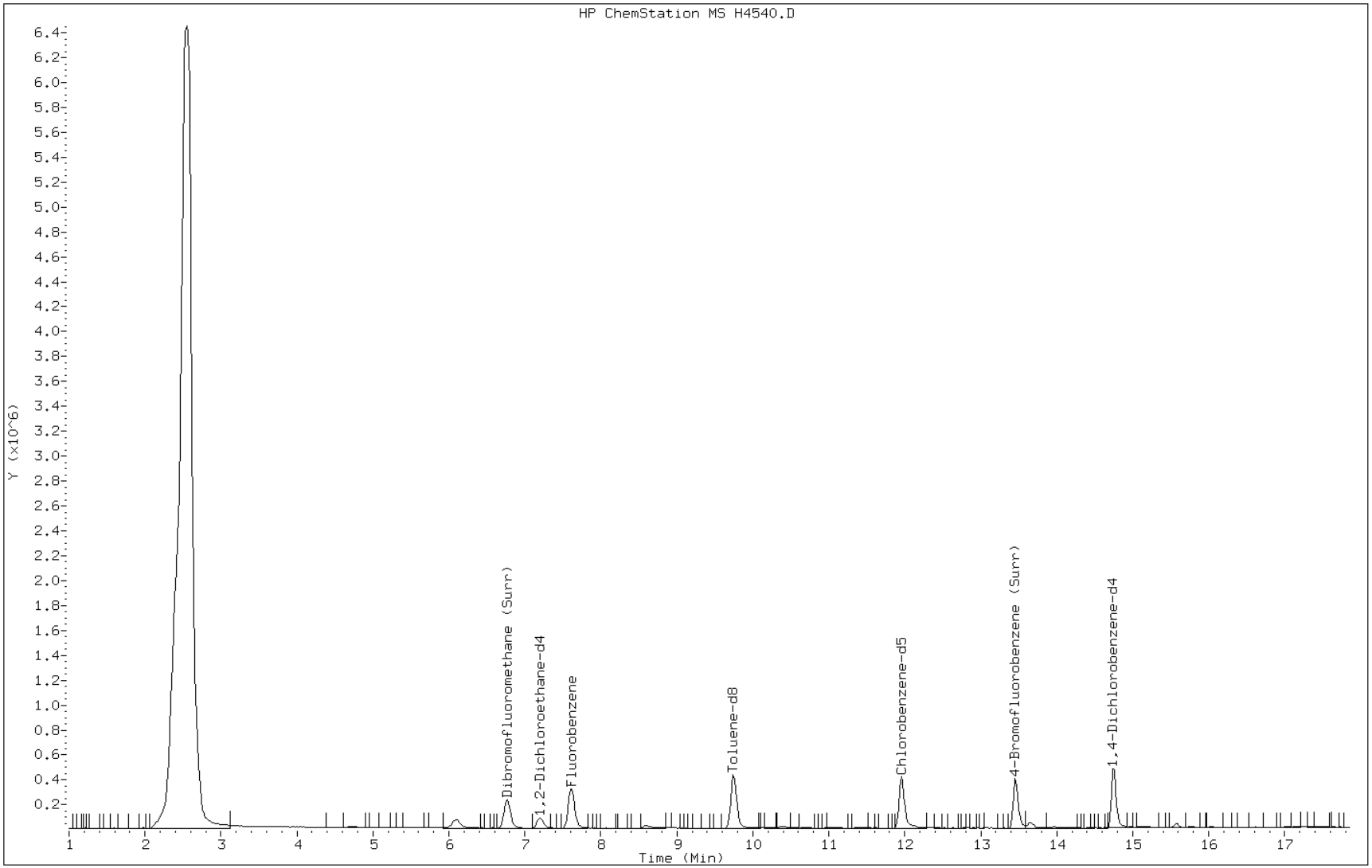
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: H4540.D

Date: 05-JUL-2012 12:05

Client ID: LF1M1030UA Instrument: H.i

Sample Info: 280-30425-x-4,,PH<2 Operator: MEIERG



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M1030UC | Lab Sample ID: 280-30425-5

Matrix: Water | Lab File ID: H4546.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 12:42

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 14:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M1030UC | Lab Sample ID: 280-30425-5

Matrix: Water | Lab File ID: H4546.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 12:42

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 14:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M1030UC Lab Sample ID: 280-30425-5

Matrix: Water Lab File ID: H4546.D

Analysis Method: 8260B/DoD Date Collected: 06/25/2012 12:42

Sample wt/vol: 20(mL) Date Analyzed: 07/05/2012 14:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126758 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	111		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		70-120
460-00-4	4-Bromofluorobenzene (Surr)	100		75-120
1868-53-7	Dibromofluoromethane (Surr)	97		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4546.D
Lab Smp Id: 280-30425-H-5 Client Smp ID: LF1M1030UC
Inj Date : 05-JUL-2012 14:19
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30425-h-5,,PH<2
Misc Info : 280-30425-H-5
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\8260B-H2O.m
Meth Date : 05-Jul-2012 11:06 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.616	7.614	(1.000)	926879	12.5000	
* 86	Chlorobenzene-d5	119	11.969	11.966	(1.000)	226304	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.754	14.752	(1.000)	361688	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.763	6.761	(0.888)	443087	8.68972	8.68972
$ 57	1,2-Dichloroethane-d4	65	7.199	7.196	(0.945)	148393	8.06746	8.06746
$ 75	Toluene-d8	98	9.758	9.755	(0.815)	861767	10.0341	10.0341
$ 98	4-Bromofluorobenzene (Surr)	95	13.466	13.464	(0.913)	403817	8.98239	8.98239
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 2	Xylene (total)	106	Compound Not Detected.					
6	dichlorodifluoromethane	85	Compound Not Detected.					
7	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
8	Chloromethane	50	Compound Not Detected.					
9	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
17	Ethyl Ether	59	Compound Not Detected.					
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	8.121	8.097	(1.066)	4105	0.12273	0.122731(a)
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	10.715	10.708	(0.895)	5405	0.16029	0.160290(a)
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
88	Chlorobenzene	112	Compound Not Detected.					
89	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90	Ethylbenzene	106	Compound Not Detected.					
91	m and p-Xylene	106	Compound Not Detected.					
92	o-Xylene	106	Compound Not Detected.					
93	Styrene	104	Compound Not Detected.					
94	Bromoform	173	Compound Not Detected.					
95	isopropyl benzene	105	Compound Not Detected.					
96	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97	Cyclohexanone	55	Compound Not Detected.					
100	Bromobenzene	156	Compound Not Detected.					
99	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	1,2,3-Trichloropropane	110	Compound Not Detected.					
102	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103	n-Propylbenzene	120	Compound Not Detected.					
104	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106	4-Chlorotoluene	126	Compound Not Detected.					
107	tert-Butylbenzene	119	Compound Not Detected.					
108	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109	sec-Butylbenzene	134	Compound Not Detected.					
110	1,3-Dichlorobenzene	146	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
113	1,4-dichlorobenzene	146	Compound Not Detected.					
115	n-Butylbenzene	91	Compound Not Detected.					
116	1,2-Dichlorobenzene	146	Compound Not Detected.					
117	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119	Hexachlorobutadiene	225	Compound Not Detected.					
120	Naphthalene	128	Compound Not Detected.					
121	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

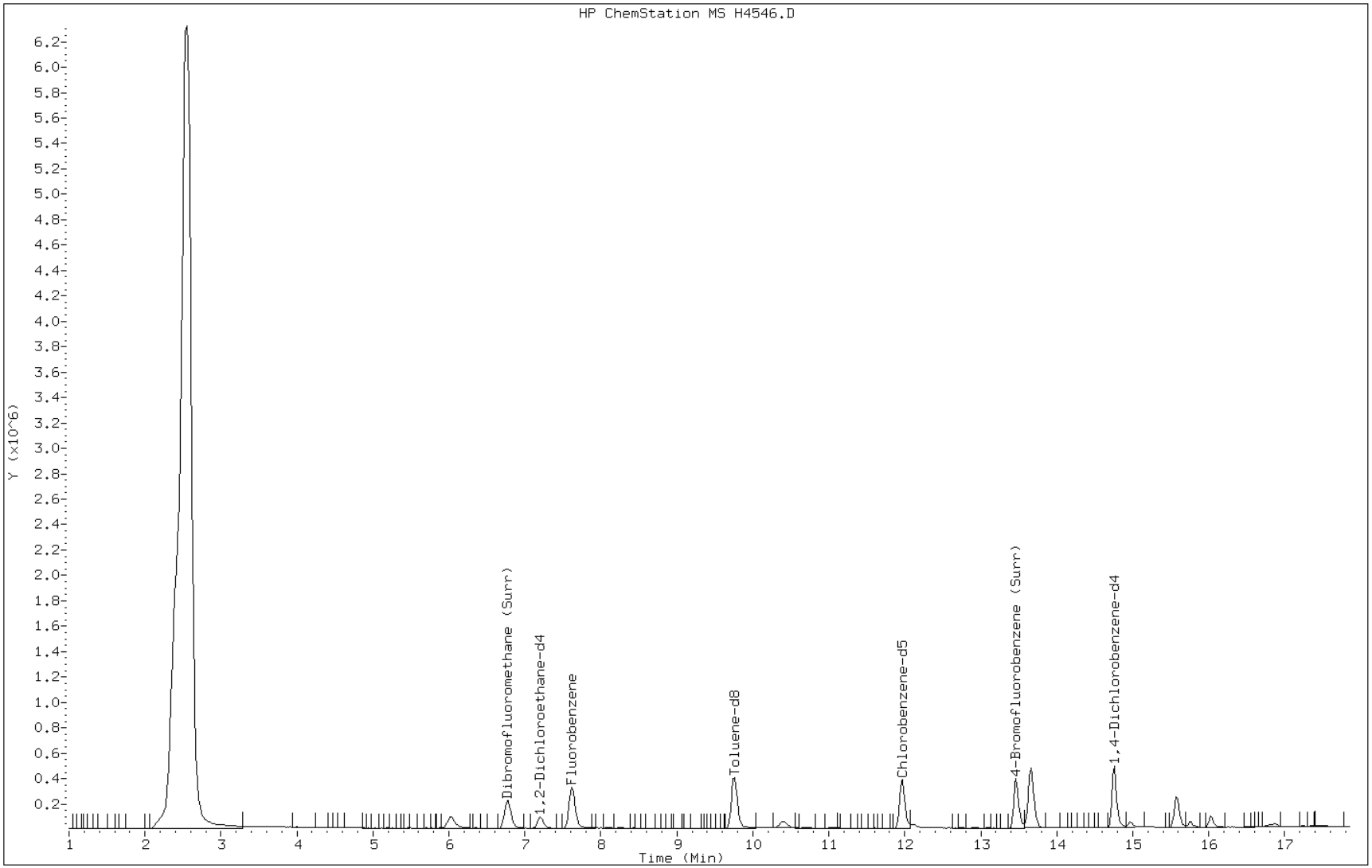
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: H4546.D

Date: 05-JUL-2012 14:19

Client ID: LF1M1030UC Instrument: H.i

Sample Info: 280-30425-h-5,,PH<2 Operator: MEIERG



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M1212UA | Lab Sample ID: 280-30425-6

Matrix: Water | Lab File ID: H4547.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 11:31

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 14:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M1212UA | Lab Sample ID: 280-30425-6

Matrix: Water | Lab File ID: H4547.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 11:31

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 14:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.64	J	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M1212UA Lab Sample ID: 280-30425-6

Matrix: Water Lab File ID: H4547.D

Analysis Method: 8260B/DoD Date Collected: 06/25/2012 11:31

Sample wt/vol: 20(mL) Date Analyzed: 07/05/2012 14:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126758 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	116		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		70-120
460-00-4	4-Bromofluorobenzene (Surr)	107		75-120
1868-53-7	Dibromofluoromethane (Surr)	102		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4547.D
Lab Smp Id: 280-30425-F-6 Client Smp ID: LF1M1212UA
Inj Date : 05-JUL-2012 14:41
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30425-f-6,,PH<2
Misc Info : 280-30425-F-6
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\8260B-H2O.m
Meth Date : 05-Jul-2012 11:06 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.613	7.614	(1.000)	913230	12.5000	
* 86	Chlorobenzene-d5	119	11.966	11.966	(1.000)	230227	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.751	14.752	(1.000)	348036	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.778	6.761	(0.890)	459407	9.14444	9.14444
$ 57	1,2-Dichloroethane-d4	65	7.196	7.196	(0.945)	154784	8.54068	8.54068
$ 75	Toluene-d8	98	9.755	9.755	(0.815)	909493	10.4093	10.4093
$ 98	4-Bromofluorobenzene (Surr)	95	13.463	13.464	(0.913)	417950	9.66143	9.66143
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 2	Xylene (total)	106	Compound Not Detected.					
6	dichlorodifluoromethane	85	Compound Not Detected.					
7	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
8	Chloromethane	50	Compound Not Detected.					
9	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
17	Ethyl Ether	59	Compound Not Detected.					
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	8.101	8.097	(1.064)	21202	0.64337	0.643369(a)
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
88	Chlorobenzene	112	Compound Not Detected.					
89	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90	Ethylbenzene	106	Compound Not Detected.					
91	m and p-Xylene	106	Compound Not Detected.					
92	o-Xylene	106	Compound Not Detected.					
93	Styrene	104	Compound Not Detected.					
94	Bromoform	173	Compound Not Detected.					
95	isopropyl benzene	105	Compound Not Detected.					
96	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97	Cyclohexanone	55	Compound Not Detected.					
100	Bromobenzene	156	Compound Not Detected.					
99	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	1,2,3-Trichloropropane	110	Compound Not Detected.					
102	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103	n-Propylbenzene	120	Compound Not Detected.					
104	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106	4-Chlorotoluene	126	Compound Not Detected.					
107	tert-Butylbenzene	119	Compound Not Detected.					
108	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109	sec-Butylbenzene	134	Compound Not Detected.					
110	1,3-Dichlorobenzene	146	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
113	1,4-dichlorobenzene	146	Compound Not Detected.					
115	n-Butylbenzene	91	Compound Not Detected.					
116	1,2-Dichlorobenzene	146	Compound Not Detected.					
117	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119	Hexachlorobutadiene	225	Compound Not Detected.					
120	Naphthalene	128	Compound Not Detected.					
121	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

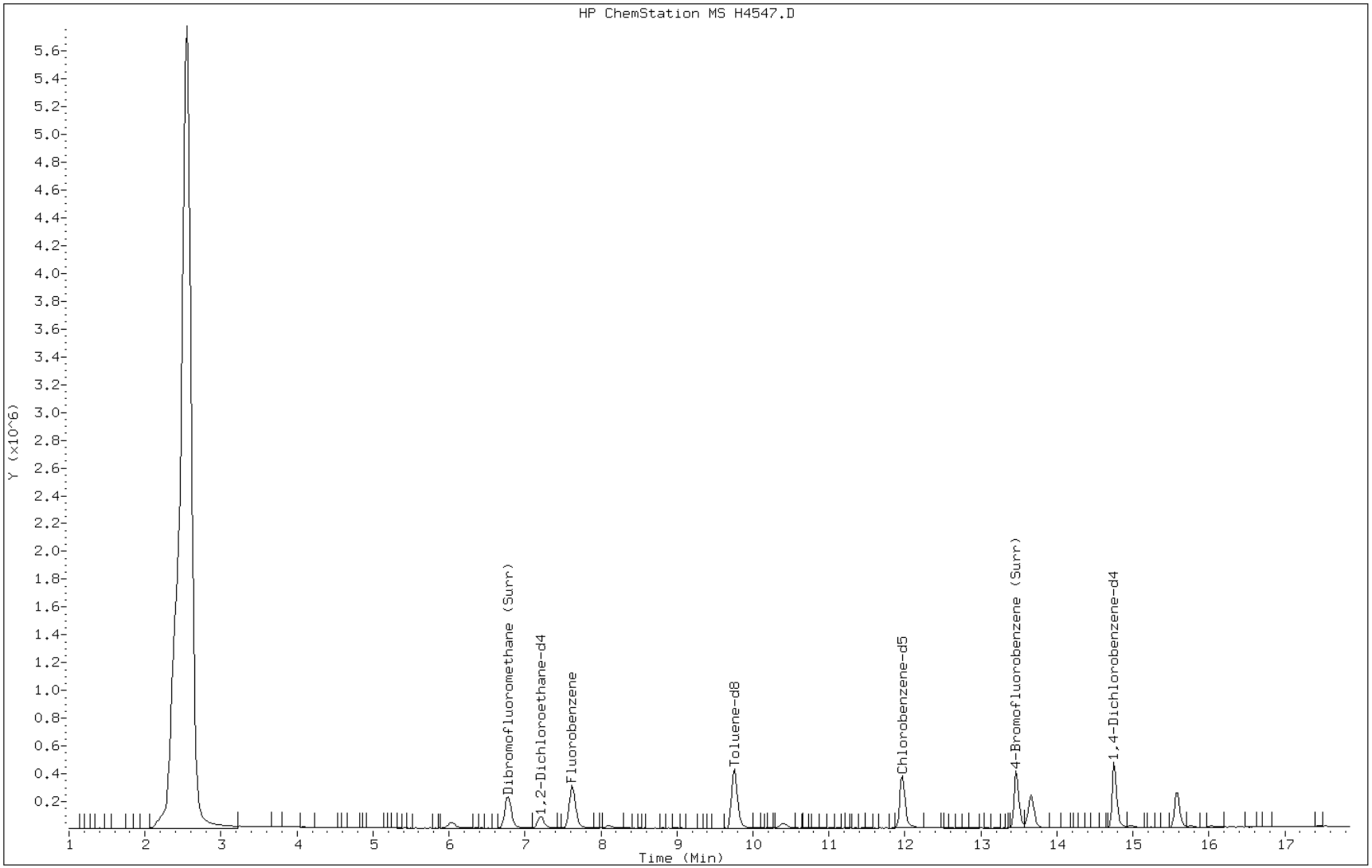
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: H4547.D

Date: 05-JUL-2012 14:41

Client ID: LF1M1212UA Instrument: H.i

Sample Info: 280-30425-f-6,,PH<2 Operator: MEIERG



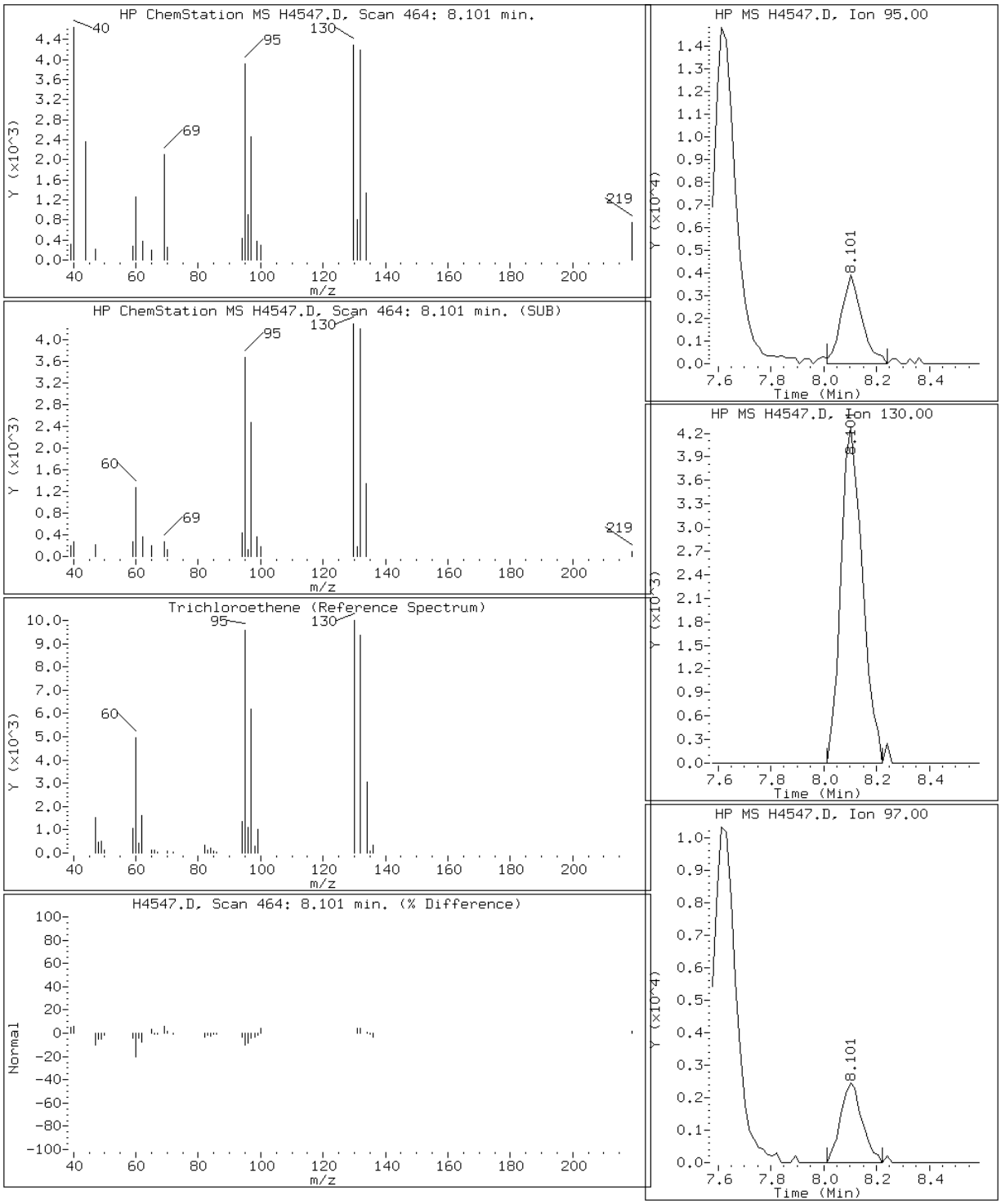
Data File: H4547.D

Date: 05-JUL-2012 14:41

Client ID: LF1M1212UA Instrument: H.i

Sample Info: 280-30425-f-6,,PH<2 Operator: MEIERG

63 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: MWSAR0324UA | Lab Sample ID: 280-30425-7

Matrix: Water | Lab File ID: H4548.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 15:32

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 15:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.73	J	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.34	J	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: MWSAR0324UA | Lab Sample ID: 280-30425-7

Matrix: Water | Lab File ID: H4548.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 15:32

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 15:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	6.0		1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Client Sample ID: MWSAR0324UA Lab Sample ID: 280-30425-7

Matrix: Water Lab File ID: H4548.D

Analysis Method: 8260B/DoD Date Collected: 06/25/2012 15:32

Sample wt/vol: 20(mL) Date Analyzed: 07/05/2012 15:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126758 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	109		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		70-120
460-00-4	4-Bromofluorobenzene (Surr)	103		75-120
1868-53-7	Dibromofluoromethane (Surr)	98		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4548.D
Lab Smp Id: 280-30425-H-7 Client Smp ID: MWSAR0324UA
Inj Date : 05-JUL-2012 15:04
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30425-h-7,,PH<2
Misc Info : 280-30425-H-7
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\8260B-H2O.m
Meth Date : 05-Jul-2012 11:06 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.612	7.614	(1.000)	938783	12.5000	
* 86	Chlorobenzene-d5	119	11.964	11.966	(1.000)	240777	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.750	14.752	(1.000)	367320	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.776	6.761	(0.890)	457314	8.85501	8.85501
$ 57	1,2-Dichloroethane-d4	65	7.194	7.196	(0.945)	156077	8.37761	8.37761
$ 75	Toluene-d8	98	9.753	9.755	(0.815)	899118	9.83968	9.83968
$ 98	4-Bromofluorobenzene (Surr)	95	13.461	13.464	(0.913)	424153	9.29008	9.29008
M 1	1,2-Dichloroethene (total)	96				3842	0.13830	0.138298(a)
M 2	Xylene (total)	106	Compound Not Detected.					
6	dichlorodifluoromethane	85	Compound Not Detected.					
7	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
8	Chloromethane	50	Compound Not Detected.					
9	Vinyl Chloride	62	3.016	2.996	(0.396)	135633	6.04270	6.04270
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	3.625	3.592	(0.476)	21530	0.42504	0.425036(a)
15	Trichlorofluoromethane	101	Compound Not Detected.					
17	Ethyl Ether	59	3.886	3.888	(0.511)	17204	1.15109	1.15108(a)
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	6.202	6.182	(0.815)	3842	0.13830	0.138298(a)
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	7.281	7.261	(0.957)	26484	0.33764	0.337636(a)
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
85 1,2-Dibromoethane	107	Compound Not Detected.					
87 1-Chlorohexane	91	Compound Not Detected.					
88 Chlorobenzene	112	Compound Not Detected.					
89 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90 Ethylbenzene	106	Compound Not Detected.					
91 m and p-Xylene	106	Compound Not Detected.					
92 o-Xylene	106	Compound Not Detected.					
93 Styrene	104	Compound Not Detected.					
94 Bromoform	173	Compound Not Detected.					
95 isopropyl benzene	105	Compound Not Detected.					
96 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	Compound Not Detected.					
100 Bromobenzene	156	Compound Not Detected.					
99 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101 1,2,3-Trichloropropane	110	Compound Not Detected.					
102 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103 n-Propylbenzene	120	Compound Not Detected.					
104 2-Chlorotoluene	126	Compound Not Detected.					
105 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106 4-Chlorotoluene	126	Compound Not Detected.					
107 tert-Butylbenzene	119	Compound Not Detected.					
108 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109 sec-Butylbenzene	134	Compound Not Detected.					
110 1,3-Dichlorobenzene	146	Compound Not Detected.					
111 4-Isopropyltoluene	119	Compound Not Detected.					
113 1,4-dichlorobenzene	146	14.785	14.782	(1.002)	50041	0.73440	0.734398
115 n-Butylbenzene	91	Compound Not Detected.					
116 1,2-Dichlorobenzene	146	Compound Not Detected.					
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119 Hexachlorobutadiene	225	Compound Not Detected.					
120 Naphthalene	128	Compound Not Detected.					
121 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

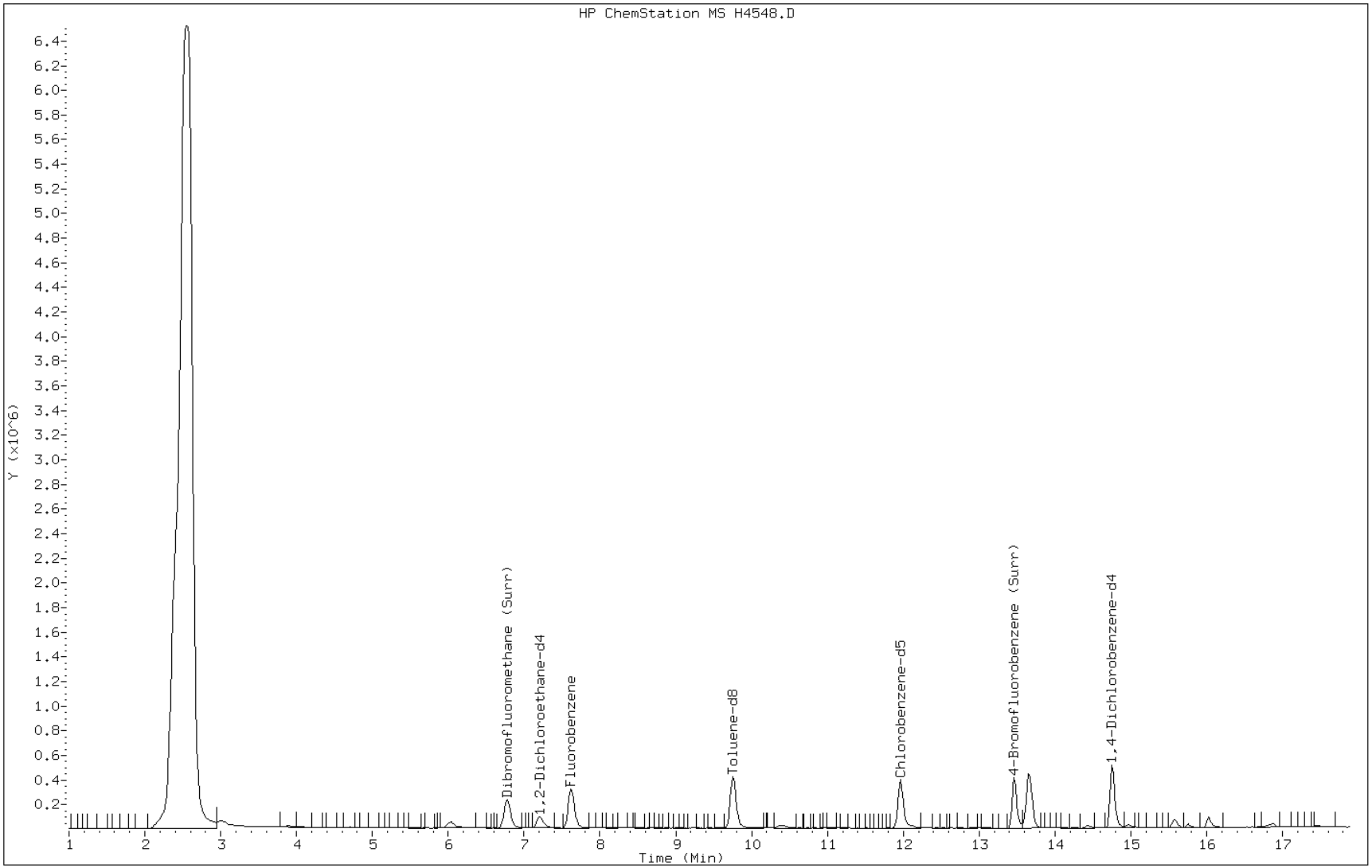
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: H4548.D

Date: 05-JUL-2012 15:04

Client ID: MWSAR0324UA Instrument: H.i

Sample Info: 280-30425-h-7,,PH<2 Operator: MEIERG



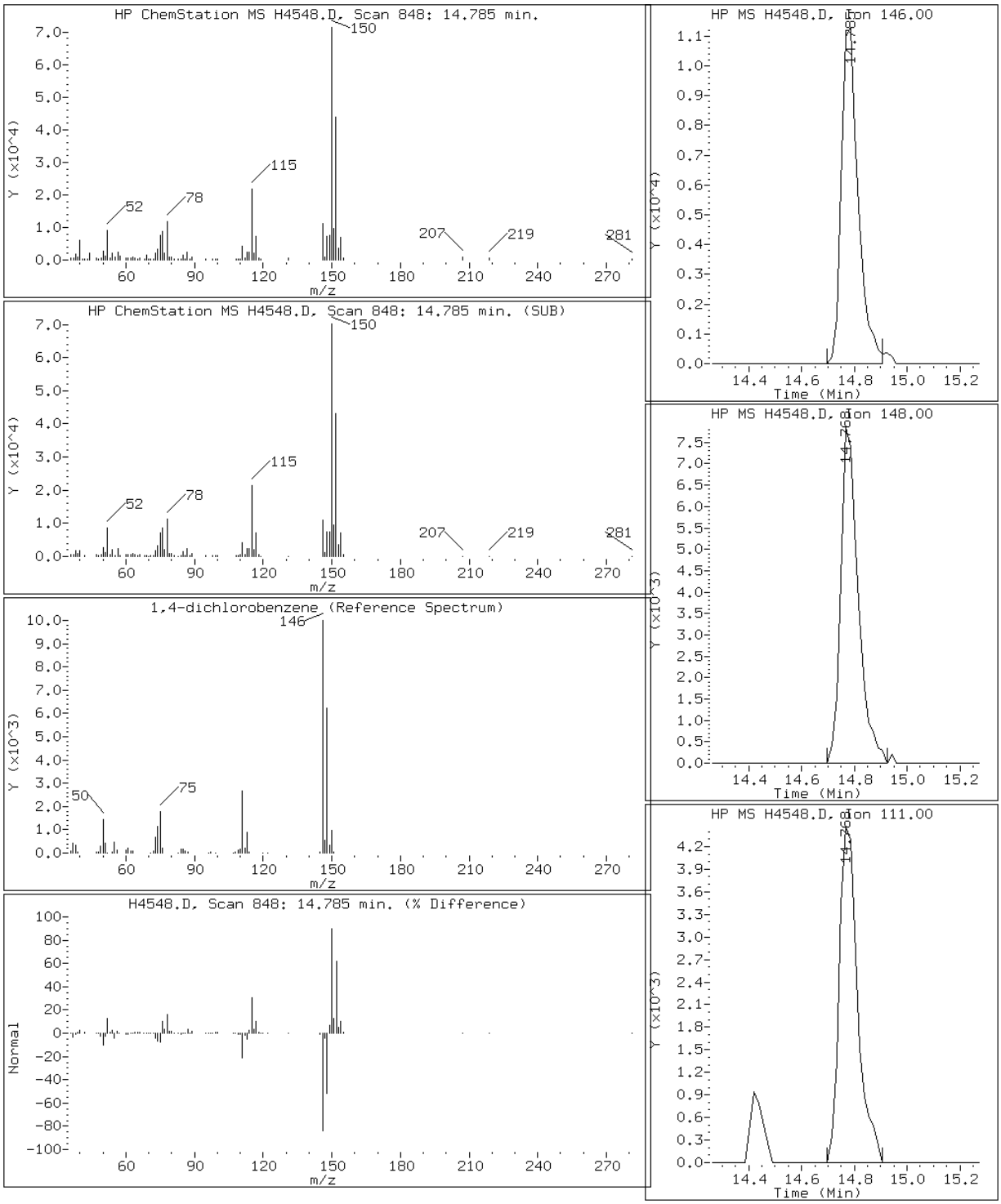
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Date: 05-JUL-2012 15:04

Client ID: MWSAR0324UA Instrument: H.i

Sample Info: 280-30425-h-7,,PH<2 Operator: MEIERG

113 1,4-dichlorobenzene



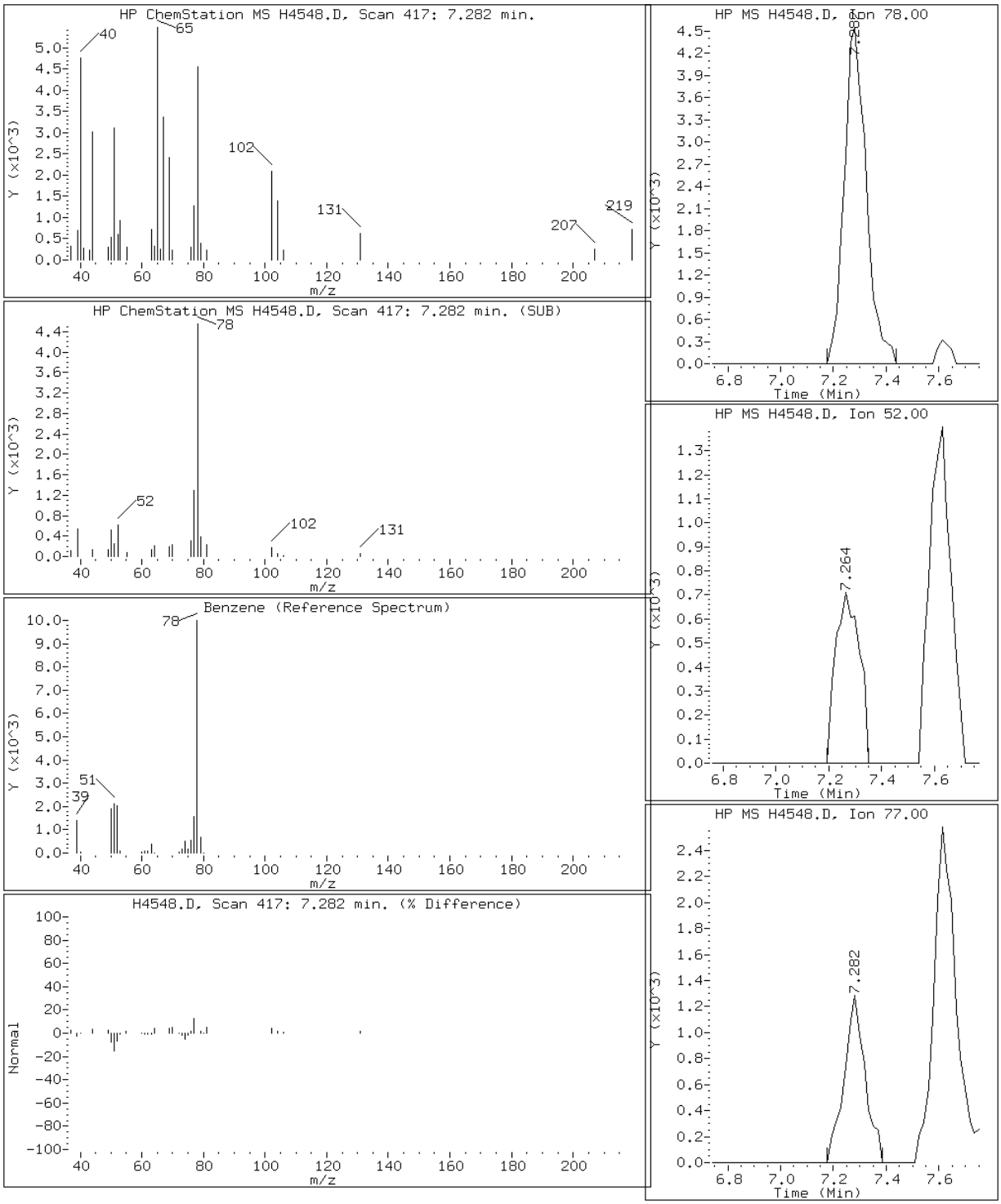
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Date: 05-JUL-2012 15:04

Client ID: MWSAR0324UA Instrument: H.i

Sample Info: 280-30425-h-7,,PH<2 Operator: MEIERG

58 Benzene



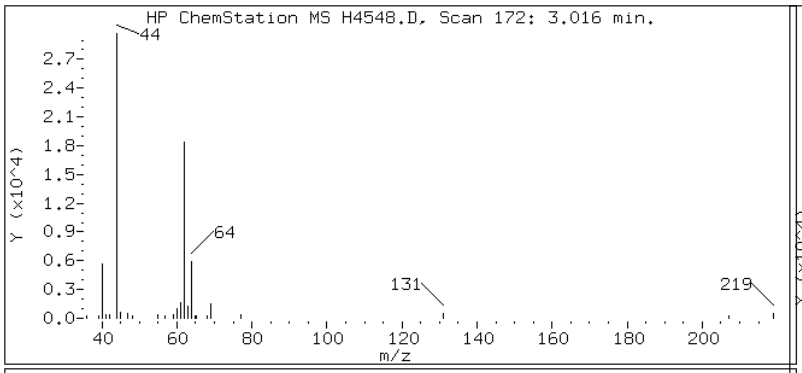
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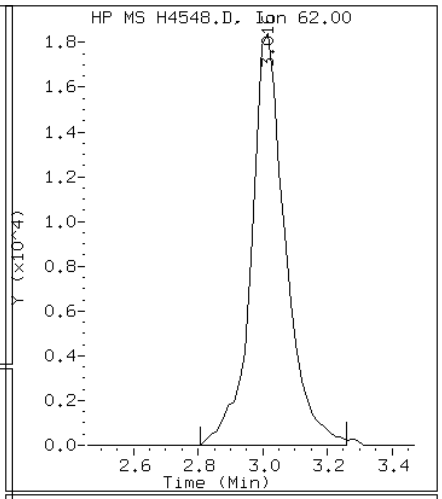
Date: 05-JUL-2012 15:04

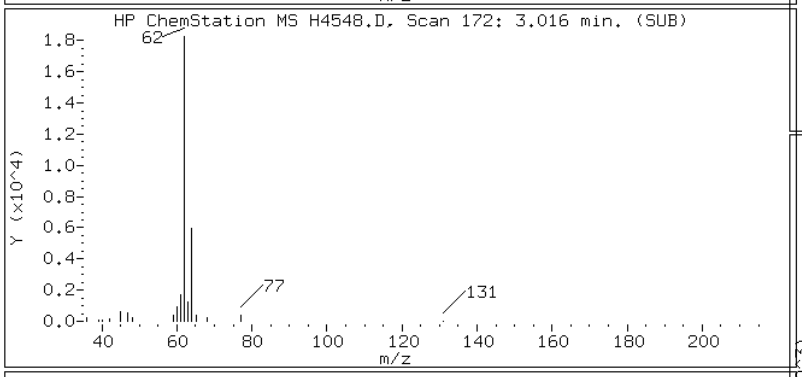
Client ID: MWSAR0324UA Instrument: H.i

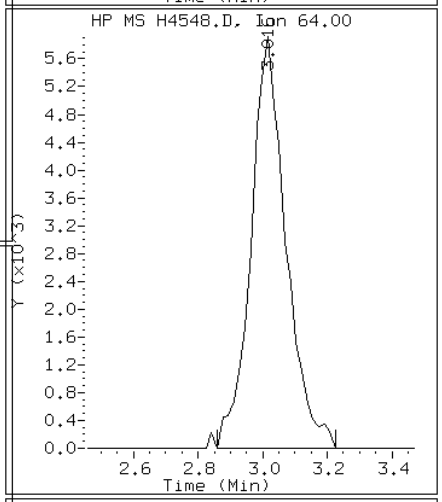
Sample Info: 280-30425-h-7,,PH<2 Operator: MEIERG

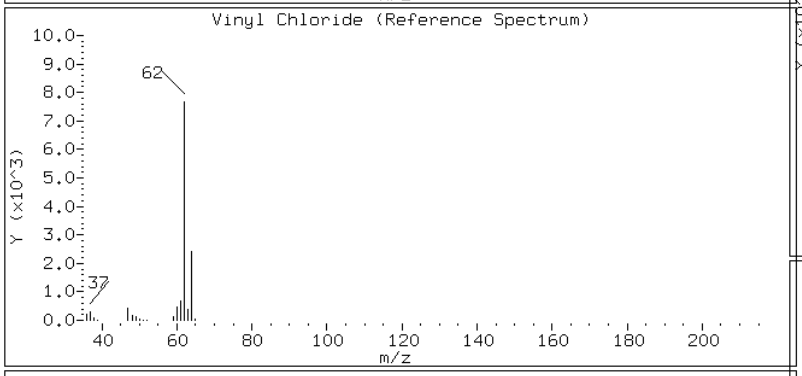
9 Vinyl Chloride

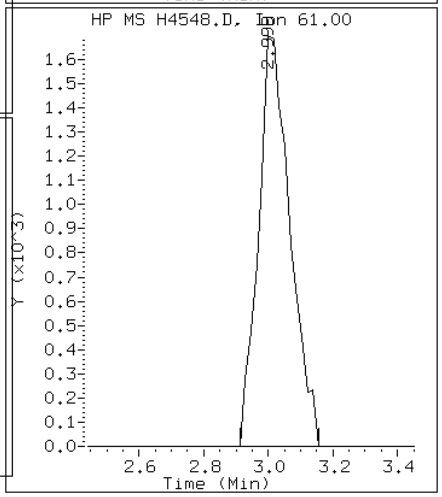


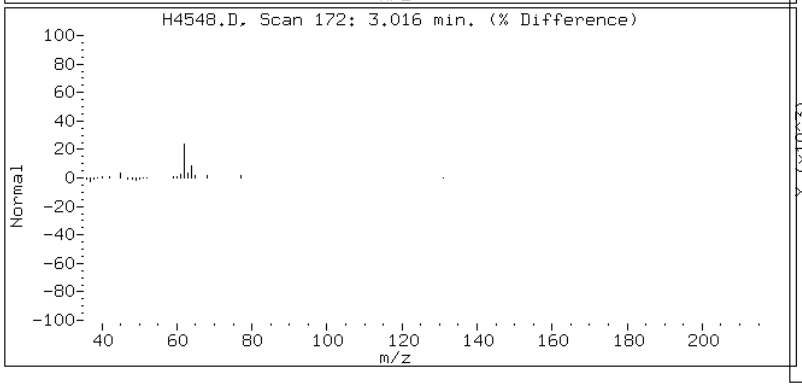












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: 062512UE | Lab Sample ID: 280-30425-8

Matrix: Water | Lab File ID: H4549.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 16:15

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 15:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U Q	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U Q	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	3.7	J	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U Q	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U Q	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U Q	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: 062512UE | Lab Sample ID: 280-30425-8

Matrix: Water | Lab File ID: H4549.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 16:15

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 15:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U Q	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U Q	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U Q	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U Q	1.0	0.40	0.19
100-42-5	Styrene	0.40	U Q	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U Q	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U Q	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Client Sample ID: 062512UE Lab Sample ID: 280-30425-8

Matrix: Water Lab File ID: H4549.D

Analysis Method: 8260B/DoD Date Collected: 06/25/2012 16:15

Sample wt/vol: 20(mL) Date Analyzed: 07/05/2012 15:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126758 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	124	Q	85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		70-120
460-00-4	4-Bromofluorobenzene (Surr)	112		75-120
1868-53-7	Dibromofluoromethane (Surr)	108		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4549.D
Lab Smp Id: 280-30425-F-8 Client Smp ID: 062512UE
Inj Date : 05-JUL-2012 15:26
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30425-f-8,,PH<2
Misc Info : 280-30425-F-8
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\8260B-H2O.m
Meth Date : 05-Jul-2012 11:06 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.610	7.614	(1.000)	875297	12.5000	
* 86	Chlorobenzene-d5	119	11.962	11.966	(1.000)	218820	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.748	14.752	(1.000)	349167	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.774	6.761	(0.890)	470014	9.76102	9.76102
$ 57	1,2-Dichloroethane-d4	65	7.210	7.196	(0.947)	157047	9.04109	9.04109
$ 75	Toluene-d8	98	9.751	9.755	(0.815)	924807	11.1364	11.1364(R)
$ 98	4-Bromofluorobenzene (Surr)	95	13.460	13.464	(0.913)	438743	10.1092	10.1092
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 2	Xylene (total)	106	Compound Not Detected.					
6	dichlorodifluoromethane	85	Compound Not Detected.					
7	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
8	Chloromethane	50	Compound Not Detected.					
9	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
17	Ethyl Ether	59	Compound Not Detected.					
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	4.233	4.249	(0.556)	5959	3.72616	3.72616(a)
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	6.565	6.565	(0.863)	4449	0.09972	0.0997217(a)
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85 1,2-Dibromoethane	107	Compound Not Detected.					
87 1-Chlorohexane	91	Compound Not Detected.					
88 Chlorobenzene	112	Compound Not Detected.					
89 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90 Ethylbenzene	106	Compound Not Detected.					
91 m and p-Xylene	106	Compound Not Detected.					
92 o-Xylene	106	Compound Not Detected.					
93 Styrene	104	Compound Not Detected.					
94 Bromoform	173	Compound Not Detected.					
95 isopropyl benzene	105	Compound Not Detected.					
96 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	Compound Not Detected.					
100 Bromobenzene	156	Compound Not Detected.					
99 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101 1,2,3-Trichloropropane	110	Compound Not Detected.					
102 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103 n-Propylbenzene	120	Compound Not Detected.					
104 2-Chlorotoluene	126	Compound Not Detected.					
105 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106 4-Chlorotoluene	126	Compound Not Detected.					
107 tert-Butylbenzene	119	Compound Not Detected.					
108 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109 sec-Butylbenzene	134	Compound Not Detected.					
110 1,3-Dichlorobenzene	146	Compound Not Detected.					
111 4-Isopropyltoluene	119	Compound Not Detected.					
113 1,4-dichlorobenzene	146	Compound Not Detected.					
115 n-Butylbenzene	91	Compound Not Detected.					
116 1,2-Dichlorobenzene	146	Compound Not Detected.					
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119 Hexachlorobutadiene	225	Compound Not Detected.					
120 Naphthalene	128	Compound Not Detected.					
121 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

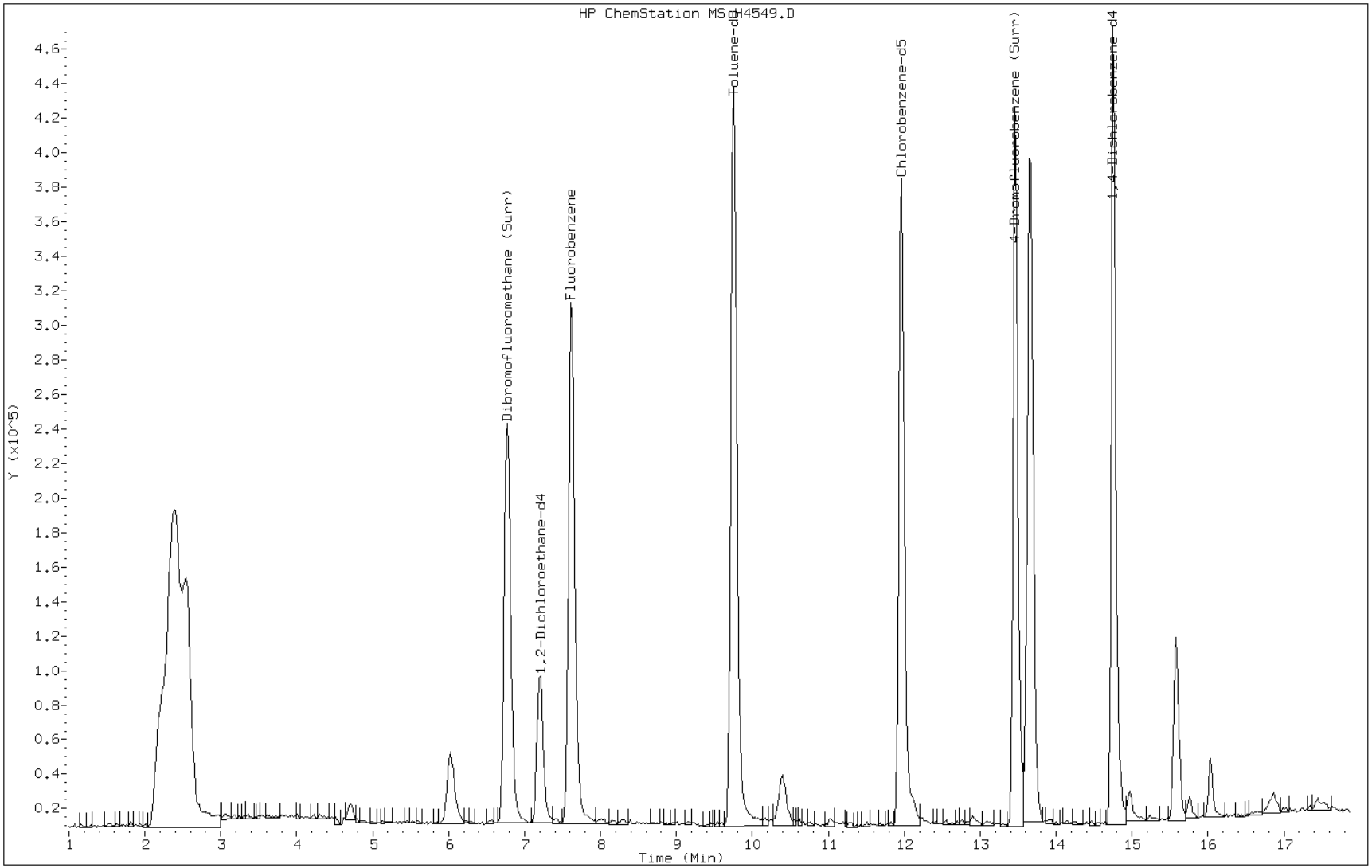
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: H4549.D

Date: 05-JUL-2012 15:26

Client ID: 062512UE Instrument: H.i

Sample Info: 280-30425-f-8,,PH<2 Operator: MEIERG



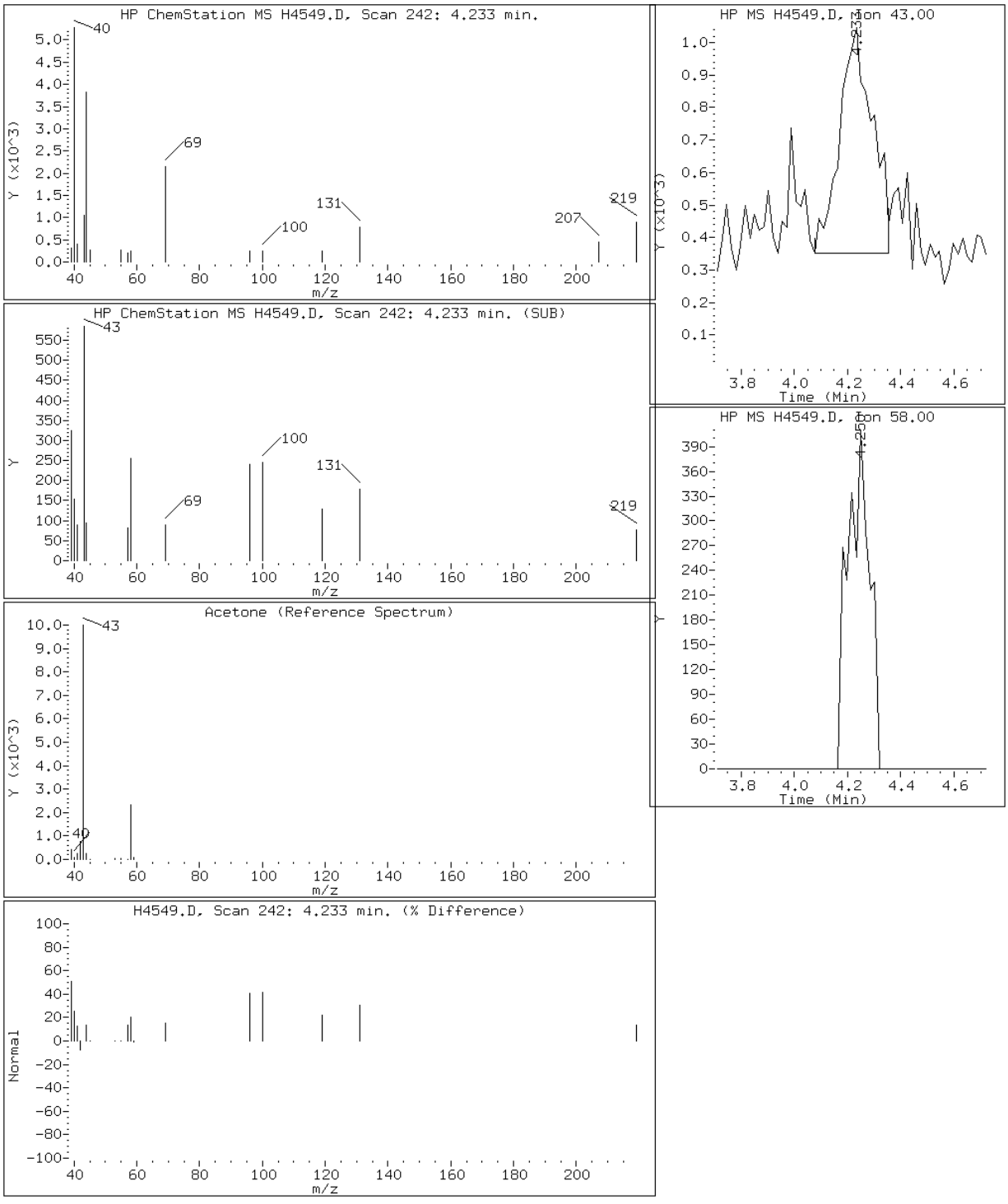
Data File: H4549.D

Date: 05-JUL-2012 15:26

Client ID: 062512UE Instrument: H.i

Sample Info: 280-30425-f-8,,PH<2 Operator: MEIERG

22 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: 062512UF | Lab Sample ID: 280-30425-9

Matrix: Water | Lab File ID: H4550.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 11:45

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 15:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	3.4	J	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: 062512UF | Lab Sample ID: 280-30425-9

Matrix: Water | Lab File ID: H4550.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 11:45

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 15:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Client Sample ID: 062512UF Lab Sample ID: 280-30425-9

Matrix: Water Lab File ID: H4550.D

Analysis Method: 8260B/DoD Date Collected: 06/25/2012 11:45

Sample wt/vol: 20(mL) Date Analyzed: 07/05/2012 15:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126758 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	105		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		70-120
460-00-4	4-Bromofluorobenzene (Surr)	100		75-120
1868-53-7	Dibromofluoromethane (Surr)	94		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4550.D
Lab Smp Id: 280-30425-B-9 Client Smp ID: 062512UF
Inj Date : 05-JUL-2012 15:48
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30425-b-9,,PH<2
Misc Info : 280-30425-B-9
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\8260B-H2O.m
Meth Date : 05-Jul-2012 11:06 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	61 Fluorobenzene	96	7.628	7.614	(1.000)	959589	12.5000	
*	86 Chlorobenzene-d5	119	11.963	11.966	(1.000)	243753	12.5000	
*	112 1,4-Dichlorobenzene-d4	152	14.749	14.752	(1.000)	368994	12.5000	
$	51 Dibromofluoromethane (Surr)	111	6.775	6.761	(0.888)	444687	8.42382	8.42382
$	57 1,2-Dichloroethane-d4	65	7.193	7.196	(0.943)	150679	7.91250	7.91250
$	75 Toluene-d8	98	9.752	9.755	(0.815)	871055	9.41618	9.41618
$	98 4-Bromofluorobenzene (Surr)	95	13.460	13.464	(0.913)	411546	8.97306	8.97306
M	1 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	2 Xylene (total)	106	Compound Not Detected.					
	6 dichlorodifluoromethane	85	Compound Not Detected.					
	7 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	8 Chloromethane	50	Compound Not Detected.					
	9 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	17 Ethyl Ether	59	Compound Not Detected.					
	18 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
	19 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
	20 Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	4.233	4.249	(0.555)	5932	3.38344	3.38344(a)
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
88	Chlorobenzene	112	Compound Not Detected.					
89	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90	Ethylbenzene	106	Compound Not Detected.					
91	m and p-Xylene	106	Compound Not Detected.					
92	o-Xylene	106	Compound Not Detected.					
93	Styrene	104	Compound Not Detected.					
94	Bromoform	173	Compound Not Detected.					
95	isopropyl benzene	105	Compound Not Detected.					
96	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97	Cyclohexanone	55	Compound Not Detected.					
100	Bromobenzene	156	Compound Not Detected.					
99	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	1,2,3-Trichloropropane	110	Compound Not Detected.					
102	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103	n-Propylbenzene	120	Compound Not Detected.					
104	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106	4-Chlorotoluene	126	Compound Not Detected.					
107	tert-Butylbenzene	119	Compound Not Detected.					
108	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109	sec-Butylbenzene	134	Compound Not Detected.					
110	1,3-Dichlorobenzene	146	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
113	1,4-dichlorobenzene	146	Compound Not Detected.					
115	n-Butylbenzene	91	Compound Not Detected.					
116	1,2-Dichlorobenzene	146	Compound Not Detected.					
117	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119	Hexachlorobutadiene	225	Compound Not Detected.					
120	Naphthalene	128	Compound Not Detected.					
121	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

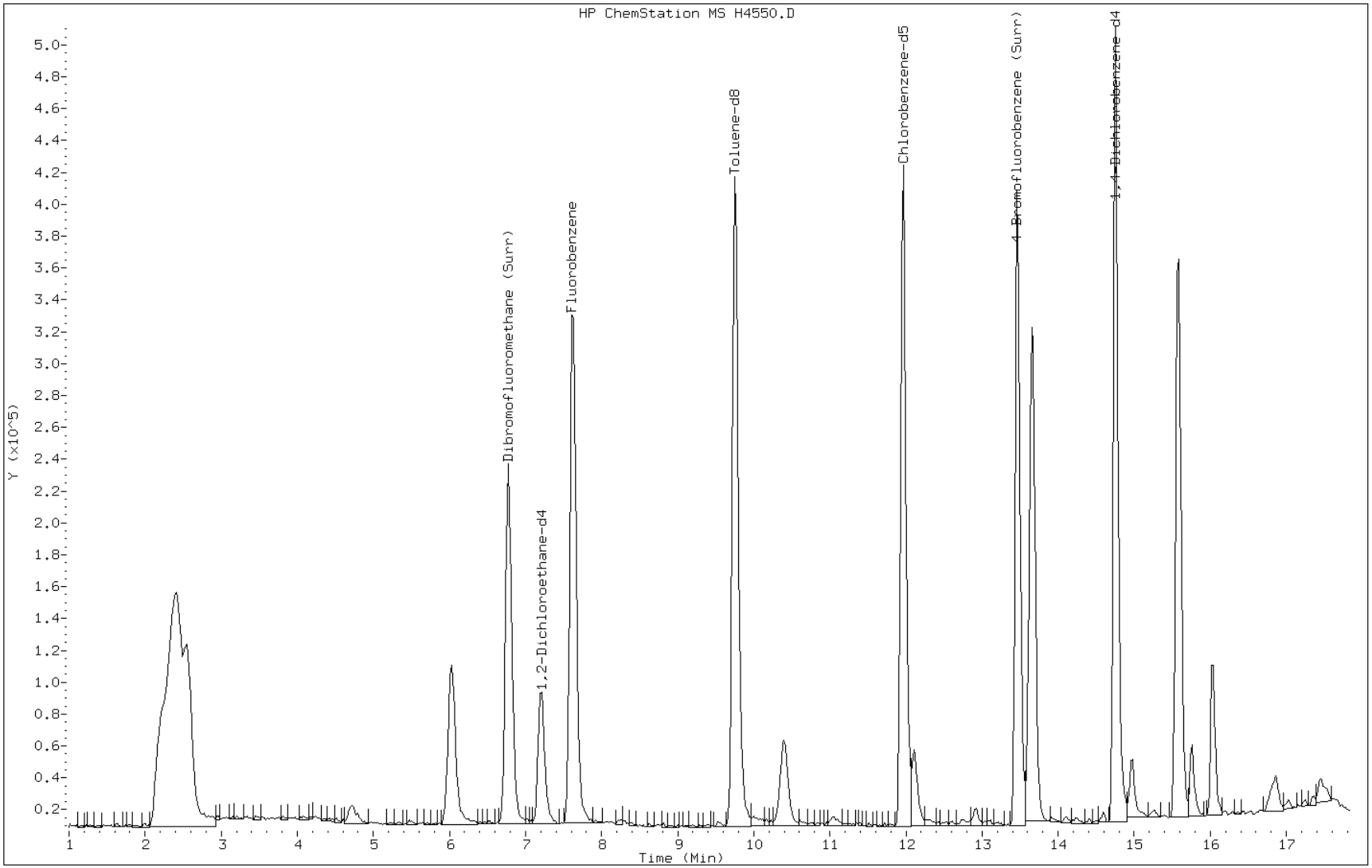
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: H4550.D

Date: 05-JUL-2012 15:48

Client ID: 062512UF Instrument: H.i

Sample Info: 280-30425-b-9,,PH<2 Operator: MEIERG



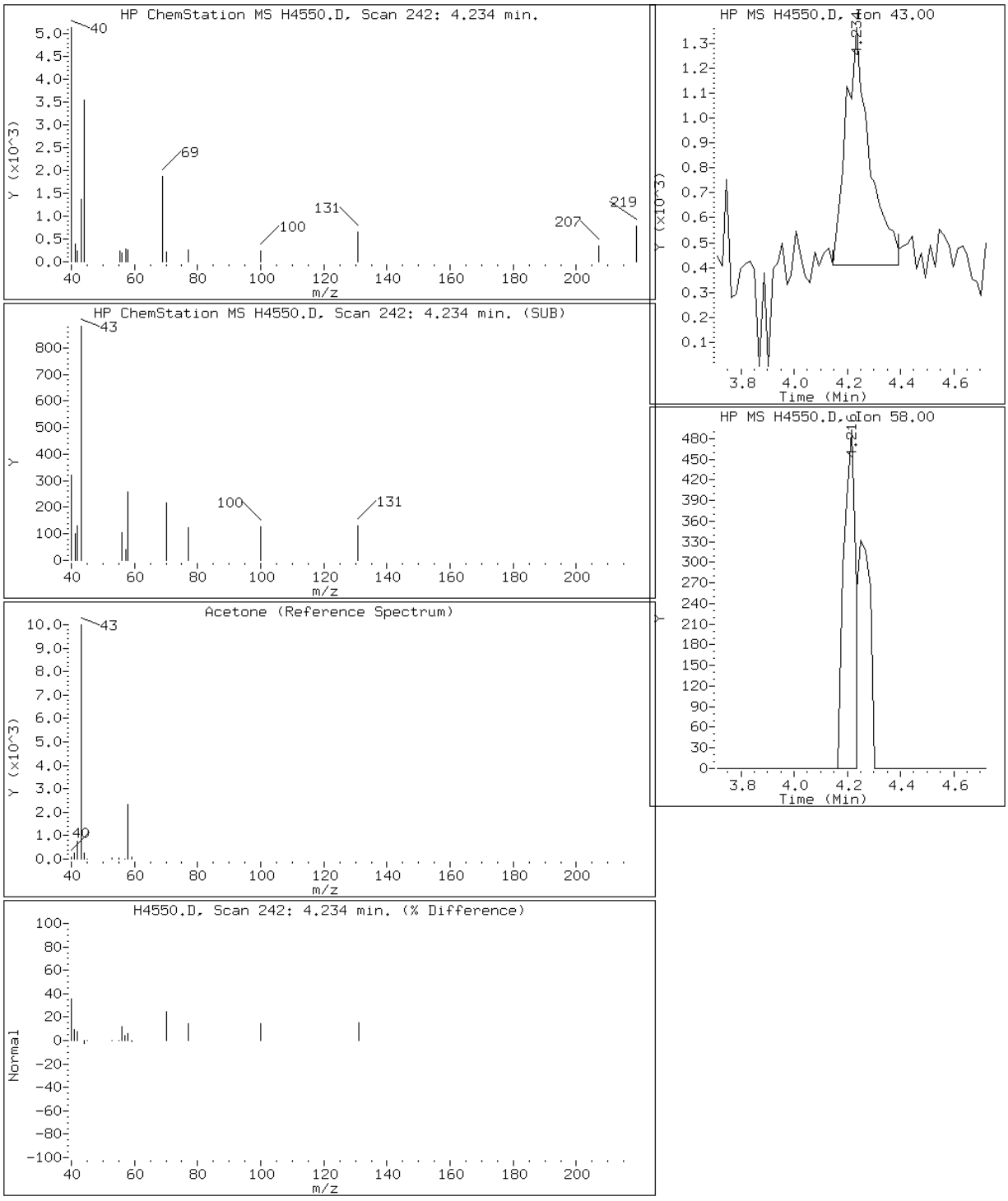
Data File: H4550.D

Date: 05-JUL-2012 15:48

Client ID: 062512UF Instrument: H.i

Sample Info: 280-30425-b-9,,PH<2 Operator: MEIERG

22 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: 062512UR | Lab Sample ID: 280-30425-10

Matrix: Water | Lab File ID: H4551.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 09:25

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 16:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: 062512UR | Lab Sample ID: 280-30425-10

Matrix: Water | Lab File ID: H4551.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 09:25

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 16:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Client Sample ID: 062512UR Lab Sample ID: 280-30425-10

Matrix: Water Lab File ID: H4551.D

Analysis Method: 8260B/DoD Date Collected: 06/25/2012 09:25

Sample wt/vol: 20(mL) Date Analyzed: 07/05/2012 16:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126758 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	112		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		70-120
460-00-4	4-Bromofluorobenzene (Surr)	105		75-120
1868-53-7	Dibromofluoromethane (Surr)	98		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4551.D
Lab Smp Id: 280-30425-A-10 Client Smp ID: 062512UR
Inj Date : 05-JUL-2012 16:10
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30425-a-10,,PH<2
Misc Info : 280-30425-A-10
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\8260B-H2O.m
Meth Date : 05-Jul-2012 11:06 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	61 Fluorobenzene	96	7.610	7.614	(1.000)	954509	12.5000	
*	86 Chlorobenzene-d5	119	11.963	11.966	(1.000)	239974	12.5000	
*	112 1,4-Dichlorobenzene-d4	152	14.748	14.752	(1.000)	363670	12.5000	
$	51 Dibromofluoromethane (Surr)	111	6.775	6.761	(0.890)	463809	8.83281	8.83281
$	57 1,2-Dichloroethane-d4	65	7.192	7.196	(0.945)	154120	8.13627	8.13627
$	75 Toluene-d8	98	9.752	9.755	(0.815)	914694	10.0436	10.0436
$	98 4-Bromofluorobenzene (Surr)	95	13.460	13.464	(0.913)	428975	9.48999	9.48999
M	1 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	2 Xylene (total)	106	Compound Not Detected.					
	6 dichlorodifluoromethane	85	Compound Not Detected.					
	7 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	8 Chloromethane	50	Compound Not Detected.					
	9 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	17 Ethyl Ether	59	Compound Not Detected.					
	18 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
	19 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
	20 Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

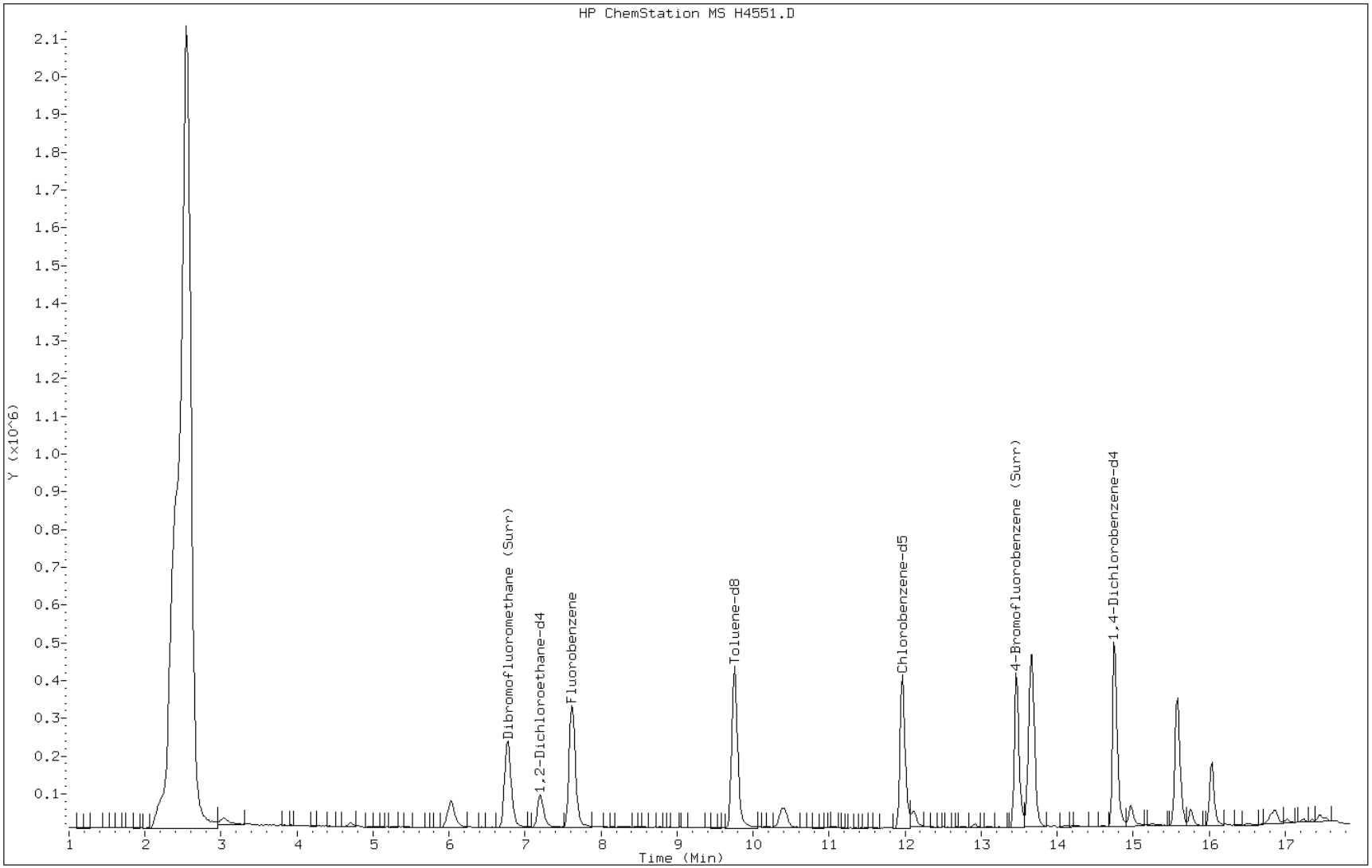
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
88	Chlorobenzene	112	Compound Not Detected.					
89	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90	Ethylbenzene	106	Compound Not Detected.					
91	m and p-Xylene	106	Compound Not Detected.					
92	o-Xylene	106	Compound Not Detected.					
93	Styrene	104	Compound Not Detected.					
94	Bromoform	173	Compound Not Detected.					
95	isopropyl benzene	105	Compound Not Detected.					
96	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97	Cyclohexanone	55	Compound Not Detected.					
100	Bromobenzene	156	Compound Not Detected.					
99	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	1,2,3-Trichloropropane	110	Compound Not Detected.					
102	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103	n-Propylbenzene	120	Compound Not Detected.					
104	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106	4-Chlorotoluene	126	Compound Not Detected.					
107	tert-Butylbenzene	119	Compound Not Detected.					
108	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109	sec-Butylbenzene	134	Compound Not Detected.					
110	1,3-Dichlorobenzene	146	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
113	1,4-dichlorobenzene	146	Compound Not Detected.					
115	n-Butylbenzene	91	Compound Not Detected.					
116	1,2-Dichlorobenzene	146	Compound Not Detected.					
117	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119	Hexachlorobutadiene	225	Compound Not Detected.					
120	Naphthalene	128	Compound Not Detected.					
121	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: H4551.D

Date: 05-JUL-2012 16:10

Client ID: 062512UR Instrument: H.i

Sample Info: 280-30425-a-10,,PH<2 Operator: MEIERG



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30425-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-126680/2	H4455.D
Level 2	IC 280-126680/3	H4456.D
Level 3	IC 280-126680/4	H4457.D
Level 4	IC 280-126680/5	H4458.D
Level 5	IC 280-126680/6	H4459.D
Level 6	IC 280-126680/7	H4460.D
Level 7	IC 280-126680/8	H4461.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloroethene, Total	+++++ 0.3863	0.3866 0.3400	0.3776	0.3767	0.3671	Ave		0.3724				4.7		15.0			
Xylenes, Total	+++++ 2.4841	2.3750 2.4234	2.3333	2.3574	2.2684	Ave		2.3736				3.1		15.0			
Chloromethane	+++++ 0.2499	0.2494 0.2624	0.2408	0.2583	0.2474	Ave		0.2514			0.1000	3.1		15.0			
Dichlorodifluoromethane	+++++ 0.4845	+++++ 0.5200	0.3696	0.4988	0.4784	Ave		0.4703				12.4		15.0			
Ethanol	+++++ 0.0007	+++++ 0.0005	0.0010	0.0010	0.0008	Lin	-16.44	0.0005							0.9911		
Vinyl chloride	0.2687 0.3066	0.2942 0.3248	0.2838	0.3151	0.2988	Ave		0.2989				6.3		30.0			
Bromomethane	+++++ 0.2989	0.2983 0.3031	0.2877	0.3182	0.2971	Ave		0.3005				3.3		15.0			
Chloroethane	+++++ 0.2064	0.2126 0.2161	0.2001	0.2189	0.2074	Ave		0.2102				3.3		15.0			
Trichlorofluoromethane	+++++ 0.6127	0.6306 0.6181	0.6154	0.6495	0.6102	Ave		0.6228				2.4		15.0			
Acrolein	+++++ 0.0152	+++++ 0.0156	0.0159	0.0166	0.0152	Ave		0.0157				3.8		15.0			
1,1-Dichloroethene	+++++ 0.3177	0.3360 0.3230	0.3164	0.3201	0.3072	Ave		0.3201				3.0		30.0			
Acetone	+++++ 0.0211	+++++ 0.0210	0.0258	0.0236	0.0227	Ave		0.0228				8.7		15.0			
Iodomethane	+++++ 0.8449	0.8073 0.8839	0.7891	0.8075	0.7901	Ave		0.8205				4.5		15.0			
Acetonitrile	+++++ 0.0043	0.0030 0.0046	0.0027	0.0041	0.0035	Lin1	0.4552	0.0045							0.9954		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30425-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methylene Chloride	+++++ 0.3306	+++++ 0.3157	0.5649	0.4067	0.3590	Lin2	-0.132	0.3089							0.9998		0.9900
2-Methyl-2-propanol	+++++ 0.0135	+++++ 0.0123	0.0112	0.0121	0.0121	Ave		0.0122				6.6		15.0			
Acrylonitrile	+++++ 0.0308	+++++ 0.0266	0.0242	0.0276	0.0290	Ave		0.0276				9.0		15.0			
trans-1,2-Dichloroethene	+++++ 0.3873	0.3907 0.3460	0.3816	0.3764	0.3672	Ave		0.3748				4.4		15.0			
2-Butanone (MEK)	+++++ 0.0492	0.0493 0.0367	0.0466	0.0487	0.0493	Ave		0.0466				10.7		15.0			
1,1-Dichloroethane	+++++ 0.6291	0.6470 0.6002	0.6470	0.6631	0.6505	Ave		0.6395			0.1000	3.5		15.0			
Isopropyl ether	+++++ 0.2844	0.2820 0.2803	0.2793	0.2901	0.2837	Ave		0.2833				1.4		15.0			
2-Chloro-1,3-butadiene	+++++ 0.3849	0.4561 0.3855	0.4366	0.4244	0.4068	Ave		0.4157				6.9		15.0			
Isobutyl alcohol	+++++ 0.0037	+++++ 0.0036	0.0030	0.0028	0.0034	Ave		0.0033				11.2		15.0			
cis-1,2-Dichloroethene	+++++ 0.3852	0.3825 0.3341	0.3737	0.3770	0.3669	Ave		0.3699				5.1		15.0			
2,2-Dichloropropane	+++++ 0.4777	0.4893 +++++	0.4966	0.4779	0.4683	Ave		0.4820				2.3		15.0			
Propionitrile	+++++ 0.0112	+++++ 0.0099	0.0094	0.0104	0.0110	Ave		0.0104				7.3		15.0			
Methacrylonitrile	+++++ 0.0619	0.0605 0.0589	0.0594	0.0606	0.0631	Ave		0.0607				2.6		15.0			
Chlorobromomethane	0.1814 0.2126	0.1910 0.2139	0.1982	0.2092	0.2092	Ave		0.2022				6.1		15.0			
Chloroform	0.6299 0.6585	0.6329 0.6294	0.6284	0.6443	0.6364	Ave		0.6371				1.7		30.0			
1,1,1-Trichloroethane	+++++ 0.5812	0.5728 0.5943	0.5691	0.5814	0.5772	Ave		0.5793				1.5		15.0			
1,1-Dichloropropene	+++++ 0.5586	0.5637 0.5365	0.5532	0.5518	0.5365	Ave		0.5501				2.1		15.0			
Carbon tetrachloride	+++++ 0.5913	0.5955 0.5681	0.5873	0.6032	0.5724	Ave		0.5863				2.3		15.0			
Benzene	1.0504 1.0806	1.0388 0.9835	1.0485	1.0658	1.0434	Ave		1.0444				2.9		15.0			
1,2-Dichloroethane	0.2372 0.2478	0.2404 0.2110	0.2422	0.2581	0.2542	Ave		0.2416				6.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30425-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0.0013	+++++ 0.0012	0.0010	0.0011	0.0013	Ave		0.0012				10.8		15.0			
Trichloroethene	+++++ 0.4736	0.4569 0.4462	0.4418	0.4541	0.4338	Ave		0.4511				3.1		15.0			
1,2-Dichloropropane	+++++ 0.4077	0.3896 0.3959	0.3804	0.3939	0.3823	Ave		0.3916				2.6		30.0			
Dibromomethane	+++++ 0.2355	0.2216 0.2307	0.2212	0.2258	0.2278	Ave		0.2271				2.4		15.0			
Dichlorobromomethane	0.5361 0.5835	0.5334 0.5650	0.5424	0.5581	0.5537	Ave		0.5532				3.2		15.0			
cis-1,3-Dichloropropene	0.4739 0.5292	0.4772 0.5132	0.4863	0.5016	0.4953	Ave		0.4967				4.0		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.1562	0.1565 0.1244	0.1456	0.1588	0.1593	Ave		0.1501				9.0		15.0			
Toluene	1.2033 1.1878	1.1881 1.0024	1.1835	1.1826	1.1614	Ave		1.1584				6.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.3755	0.3488 0.3631	0.3598	0.3595	0.3574	Ave		0.3607				2.4		15.0			
1,1,2-Trichloroethane	+++++ 0.2458	0.2402 0.2392	0.2321	0.2439	0.2390	Ave		0.2400				2.0		15.0			
Tetrachloroethene	+++++ 1.9488	1.6950 2.2568	1.7521	1.8107	1.7119	Ave		1.8625				11.5		15.0			
1,3-Dichloropropane	1.3681 1.7775	1.5211 1.9119	1.6007	1.6125	1.6186	Ave		1.6300				10.7		15.0			
2-Hexanone	+++++ 0.4620	0.4720 0.4806	0.4551	0.4466	0.4379	Ave		0.4590				3.5		15.0			
Chlorodibromomethane	1.7192 2.2182	1.9051 2.4966	1.9704	2.0049	1.9580	Ave		2.0389				12.2		15.0			
Ethylene Dibromide	+++++ 1.5166	1.3060 1.6877	1.2946	1.4071	1.3823	Ave		1.4324				10.4		15.0			
1-Chlorohexane	+++++ 2.5190	2.5904 2.5599	2.5313	2.5176	2.4151	Ave		2.5222				2.4		15.0			
Chlorobenzene	3.4232 3.9289	3.6067 3.7964	3.7261	3.8121	3.6776	Ave		3.7101			0.3000	4.4		15.0			
1,1,1,2-Tetrachloroethane	1.7554 1.9878	1.7735 1.9380	1.7943	1.8478	1.8312	Ave		1.8469				4.7		15.0			
Ethylbenzene	+++++ 1.9451	1.7655 1.8374	1.8378	1.8193	1.7533	Ave		1.8264				3.7		30.0			
m-Xylene & p-Xylene	+++++ 2.5962	2.4810 2.4764	2.3907	2.4261	2.3487	Ave		2.4532				3.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30425-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
o-Xylene	+++++ 2.2599	2.1631 2.3174	2.2186	2.2199	2.1080	Ave		2.2145				3.3		15.0			
Styrene	+++++ 3.7703	3.4116 3.6788	3.5602	3.6087	3.5370	Ave		3.5944				3.4		15.0			
Bromoform	+++++ 1.1700	0.9904 1.1258	1.0016	1.0306	1.0511	Ave		1.0616			0.1000	6.7		15.0			
Isopropylbenzene	+++++ 4.2249	4.4898 4.1852	4.4501	4.4311	4.2361	Ave		4.3362				3.1		15.0			
Cyclohexanone	+++++ 0.0220	+++++ 0.0168	0.0189	0.0205	0.0210	Ave		0.0199				10.1		15.0			
1,1,2,2-Tetrachloroethane	0.8495 0.8752	0.8775 0.8578	0.8866	0.9184	0.8919	Ave		0.8796			0.3000	2.6		15.0			
Bromobenzene	+++++ 1.2316	1.0648 1.2155	1.1049	1.1332	1.1177	Ave		1.1446				5.7		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1901	+++++ 0.1659	0.1586	0.1623	0.1685	Ave		0.1691				7.3		15.0			
1,2,3-Trichloropropane	+++++ 0.2032	0.1928 0.1839	0.1977	0.2097	0.2102	Ave		0.1996				5.1		15.0			
N-Propylbenzene	+++++ 1.2692	1.2155 1.1224	1.2178	1.1780	1.1633	Ave		1.1944				4.3		15.0			
2-Chlorotoluene	+++++ 1.1183	1.0087 0.9720	1.0325	0.9916	1.0035	Ave		1.0211				5.1		15.0			
1,3,5-Trimethylbenzene	+++++ 3.4384	3.1979 3.0171	3.1891	3.2657	3.1126	Ave		3.2035				4.5		15.0			
4-Chlorotoluene	+++++ 1.2037	1.1274 1.0995	1.1167	1.1331	1.0923	Ave		1.1288				3.5		15.0			
tert-Butylbenzene	+++++ 4.0849	3.8150 3.6199	3.8288	3.8905	3.6729	Ave		3.8187				4.3		15.0			
1,2,4-Trimethylbenzene	+++++ 3.2331	3.1177 2.8634	3.1122	3.1392	2.9802	Ave		3.0743				4.3		15.0			
sec-Butylbenzene	+++++ 1.1097	1.0114 1.0029	1.0426	1.0203	0.9687	Ave		1.0259				4.6		15.0			
1,3-Dichlorobenzene	+++++ 2.1276	2.0333 1.9473	1.9475	2.0242	1.8913	Ave		1.9952				4.2		15.0			
4-Isopropyltoluene	+++++ 4.3657	4.3173 4.0009	4.2682	4.2626	4.0374	Ave		4.2087				3.6		15.0			
1,4-Dichlorobenzene	2.5169 2.3449	2.1755 2.3984	2.2704	2.2576	2.2678	Ave		2.3188				4.8		15.0			
n-Butylbenzene	+++++ 3.7877	3.7151 3.3213	3.7194	3.6306	3.5026	Ave		3.6128				4.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30425-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	+++++ 1.7735	1.7092 1.6422	1.7319	1.6705	1.6399	Ave		1.6945				3.1		15.0			
1,2,4-Trichlorobenzene	+++++ 1.3665	1.2352 1.2332	1.2300	1.2469	1.2643	Ave		1.2627				4.1		15.0			
Hexachlorobutadiene	1.1839 1.0964	1.1816 1.1396	1.1566	1.1552	1.1173	Ave		1.1472				2.8		15.0			
Naphthalene	+++++ 1.4195	1.4748 1.4452	1.4573	1.4616	1.5511	Ave		1.4682				3.0		15.0			
1,2,3-Trichlorobenzene	+++++ 0.9785	1.0284 1.0425	1.0017	0.9696	1.0056	Ave		1.0044				2.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30425-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-126680/2	H4455.D
Level 2	IC 280-126680/3	H4456.D
Level 3	IC 280-126680/4	H4457.D
Level 4	IC 280-126680/5	H4458.D
Level 5	IC 280-126680/6	H4459.D
Level 6	IC 280-126680/7	H4460.D
Level 7	IC 280-126680/8	H4461.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloroethene, Total	FB	Ave	+++++ 1788471	59334 3022199	113860	275686	569913	+++++ 60.0	2.00 120	4.00	10.0	20.0
Xylenes, Total	CBZ	Ave	+++++ 3941291	132413 6489798	250721	614404	1273450	+++++ 90.0	3.00 180	6.00	15.0	30.0
Chloromethane	FB	Ave	+++++ 578569	19138 1166283	36295	94532	192067	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dichlorodifluoromethane	FB	Ave	+++++ 1121778	+++++ 2310925	55726	182529	371421	+++++ 30.0	+++++ 60.0	2.00	5.00	10.0
Ethanol	FB	Lin	+++++ 75656	+++++ 120183	7726	18488	29315	+++++ 1500	+++++ 3000	100	250	500
Vinyl chloride	FB	Ave	6103 709761	22579 1443528	42789	115321	231979	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Bromomethane	FB	Ave	+++++ 692079	22889 1347105	43369	116442	230631	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroethane	FB	Ave	+++++ 477797	16311 960272	30162	80110	161039	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 1418394	48390 2746859	92773	237695	473739	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acrolein	FB	Ave	+++++ 352230	+++++ 695183	24021	60919	118262	+++++ 300	+++++ 600	20.0	50.0	100
1,1-Dichloroethene	FB	Ave	+++++ 735543	25783 1435538	47701	117149	238468	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acetone	FB	Ave	+++++ 195745	+++++ 373348	15559	34508	70415	+++++ 120	+++++ 240	8.00	20.0	40.0
Iodomethane	FB	Ave	+++++ 1955993	61951 3928084	118958	295524	613382	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acetonitrile	FB	Lin1	+++++ 100646	2340 203760	4032	15116	27354	+++++ 300	10.0 600	20.0	50.0	100
Methylene Chloride	FB	Lin2	+++++ 765454	+++++ 1402757	85158	148846	278702	+++++ 30.0	+++++ 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30425-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Methyl-2-propanol	FB	Ave	+++++ 624569	+++++ 1093589	33810	88669	188134	+++++ 600	+++++ 1200	40.0	100	200
Acrylonitrile	FB	Ave	+++++ 712121	+++++ 1183732	36448	100973	225108	+++++ 300	+++++ 600	20.0	50.0	100
trans-1,2-Dichloroethene	FB	Ave	+++++ 896574	29980 1537663	57525	137729	285068	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Butanone (MEK)	FB	Ave	+++++ 455596	15135 652743	28117	71267	153195	+++++ 120	4.00 240	8.00	20.0	40.0
1,1-Dichloroethane	FB	Ave	+++++ 1456423	49647 2667331	97533	242653	505010	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Isopropyl ether	FB	Ave	+++++ 3292009	108201 6228304	210526	530876	1101058	+++++ 150	5.00 300	10.0	25.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 891042	35002 1713348	65826	155296	315826	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Isobutyl alcohol	FB	Ave	+++++ 169086	+++++ 315927	9107	20323	52388	+++++ 600	+++++ 1200	40.0	100	200
cis-1,2-Dichloroethene	FB	Ave	+++++ 891897	29354 1484536	56335	137957	284845	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2,2-Dichloropropane	FB	Ave	+++++ 1105918	37548 +++++	74866	174886	363559	+++++ 30.0	1.00 +++++	2.00	5.00	10.0
Propionitrile	FB	Ave	+++++ 259656	+++++ 440086	14150	38182	85388	+++++ 300	+++++ 600	20.0	50.0	100
Methacrylonitrile	FB	Ave	+++++ 1432793	46399 2615711	89494	221606	489915	+++++ 300	10.0 600	20.0	50.0	100
Chlorobromomethane	FB	Ave	4120 492105	14657 950645	29872	76569	162393	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Chloroform	FB	Ave	14310 1524549	48568 2796903	94737	235786	494084	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	+++++ 1345560	43954 2641071	85797	212775	448117	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 1293224	43254 2384383	83391	201945	416518	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 1368916	45701 2524713	88544	220738	444400	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Benzene	FB	Ave	23860 2501806	79716 4370469	158068	390031	810060	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichloroethane	FB	Ave	5389 573778	18451 937815	36506	94448	197313	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dioxane	FB	Ave	+++++ 151158	+++++ 268902	7517	20651	50286	+++++ 1500	+++++ 3000	100	250	500
Trichloroethene	FB	Ave	+++++ 1096513	35058 1983057	66604	166192	336755	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30425-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloropropane	FB	Ave	+++++ 943835	29894 1759263	57342	144145	296805	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dibromomethane	FB	Ave	+++++ 545298	17002 1025331	33351	82616	176824	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dichlorobromomethane	FB	Ave	12178 1350890	40934 2510915	81767	204251	429821	0.300 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	10765 1225193	36623 2280509	73306	183553	384545	0.300 30.0	1.00 60.0	2.00	5.00	10.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	+++++ 1446072	48041 2210502	87828	232451	494660	+++++ 120	4.00 240	8.00	20.0	40.0
Toluene	FB	Ave	27334 2749977	91173 4454490	178414	432768	901665	0.300 30.0	1.00 60.0	2.00	5.00	10.0
trans-1,3-Dichloropropene	FB	Ave	+++++ 869304	26763 1613502	54241	131559	277471	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,2-Trichloroethane	FB	Ave	+++++ 569023	18431 1062872	34992	89256	185526	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Tetrachloroethene	CBZ	Ave	+++++ 1030684	31500 2014537	62756	157305	320341	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	7984 940075	28269 1706688	57331	140084	302878	0.300 30.0	1.00 60.0	2.00	5.00	10.0
2-Hexanone	CBZ	Ave	+++++ 977349	35085 1716172	65198	155179	327737	+++++ 120	4.00 240	8.00	20.0	40.0
Chlorodibromomethane	CBZ	Ave	10033 1173159	35405 2228657	70573	174176	366383	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylene Dibromide	CBZ	Ave	+++++ 802093	24271 1506540	46369	122246	258670	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1-Chlorohexane	CBZ	Ave	+++++ 1332242	48140 2285167	90663	218724	451919	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorobenzene	CBZ	Ave	19977 2077921	67027 3388912	133459	331185	688173	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	10244 1051325	32960 1730002	64267	160531	342663	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 1028736	32810 1640144	65824	158053	328087	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	+++++ 2746096	92214 4421125	171256	421546	878986	+++++ 60.0	2.00 120	4.00	10.0	20.0
o-Xylene	CBZ	Ave	+++++ 1195195	40199 2068673	79465	192858	394464	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Styrene	CBZ	Ave	+++++ 1994045	63402 3283917	127518	313509	661856	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromoform	CBZ	Ave	+++++ 618803	18406 1005007	35874	89536	196680	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30425-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Isopropylbenzene	DCB	Ave	+++++ 3172250	123133 5871834	233964	570193	1181297	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Cyclohexanone	CBZ	Ave	+++++ 464984	+++++ 601030	27146	71408	157081	+++++ 1200	+++++ 2400	80.0	200	400
1,1,2,2-Tetrachloroethane	DCB	Ave	6616 657161	24066 1203517	46612	118180	248717	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Bromobenzene	DCB	Ave	+++++ 924771	29201 1705299	58090	145816	311689	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 142768	+++++ 232777	8341	20887	46999	+++++ 30.0	+++++ 60.0	2.00	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 152562	5288 258072	10395	26983	58608	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
N-Propylbenzene	DCB	Ave	+++++ 952992	33334 1574680	64028	151579	324387	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Chlorotoluene	DCB	Ave	+++++ 839675	27664 1363658	54284	127600	279836	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 2581726	87703 4233032	167670	420232	867976	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Chlorotoluene	DCB	Ave	+++++ 903802	30919 1542605	58710	145811	304601	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
tert-Butylbenzene	DCB	Ave	+++++ 3067121	104627 5078659	201298	500630	1024221	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 2427589	85502 4017319	163624	403955	831053	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
sec-Butylbenzene	DCB	Ave	+++++ 833221	27737 1407053	54816	131294	270144	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 1597516	55763 2732028	102390	260478	527399	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Isopropyltoluene	DCB	Ave	+++++ 3277973	118402 5613254	224399	548511	1125882	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	19602 1760692	59662 3364923	119366	290502	632405	0.300 30.0	1.00 60.0	2.00	5.00	10.0
n-Butylbenzene	DCB	Ave	+++++ 2844005	101886 4659714	195547	467182	976746	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 1331660	46875 2303951	91057	214956	457307	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 1026006	33874 1730209	64669	160452	352564	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Hexachlorobutadiene	DCB	Ave	9220 823223	32404 1598882	60806	148649	311581	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Naphthalene	DCB	Ave	+++++ 1065817	40446 2027642	76617	188073	432537	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30425-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 734739	28204 1462674	52665	124768	280426	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4455.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 12:30
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,M0.3
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	61 Fluorobenzene	96	7.613	7.613	(1.000)	946509	12.5000	
*	86 Chlorobenzene-d5	119	11.948	11.948	(1.000)	243157	12.5000	
*	112 1,4-Dichlorobenzene-d4	152	14.751	14.751	(1.000)	324504	12.5000	
M	1 1,2-Dichloroethene (total)	96				19118	0.60000	0.677944(a)
M	2 Xylene (total)	106				37637	0.90000	0.814858(a)
M	3 1,3-Dichloropropene (total)	75				18683	0.60000	0.576167(a)
M	4 Trihalomethanes (total)	83				41407	1.20000	1.07692
	5 Chlorotrifluoroethene	116	Compound Not Detected.					
	6 dichlorodifluoromethane	85	2.634	2.634	(0.346)	7751	0.30000	0.217662(aQ)
	8 Chloromethane	50	Compound Not Detected.					
	9 Vinyl Chloride	62	2.965	2.965	(0.389)	6103	0.30000	0.269680(aQ)
	10 2-Chloro-1,1,1-trifluoroethane	118	3.017	3.017	(0.396)	11421	0.30000	0.282518(a)
	12 Bromomethane	94	3.278	3.278	(0.431)	7013	0.30000	0.308159(aQ)
	13 Chloroethane	64	3.348	3.348	(0.440)	4752	0.30000	0.298502(aQ)
	15 Trichlorofluoromethane	101	3.609	3.609	(0.474)	14745	0.30000	0.312691(aQ)
	16 Ethanol	45	Compound Not Detected.					
	21 1,1-Dichloroethene	96	4.183	4.183	(0.550)	9095	0.30000	0.375266(a)
	25 Iodomethane	142	4.375	4.375	(0.575)	18238	0.30000	0.293561(a)
	27 Acetonitrile	41	4.705	4.705	(0.618)	2390	3.00000	12.6896(aQ)
	30 Methylene Chloride	84	4.705	4.705	(0.618)	50680	0.30000	0.518683(a)
	32 Acrylonitrile	53	4.984	4.984	(0.655)	3584	3.00000	1.71291(aQ)
	34 trans-1,2-Dichloroethene	96	5.001	5.001	(0.657)	9799	0.30000	0.345231(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
38 Isopropyl ether	87	5.524	5.524	(0.726)	30171	1.50000	1.40648(a)
36 1,1-Dichloroethane	63	5.489	5.489	(0.721)	15071	0.30000	0.311249(aQ)
39 Chloroprene	53	5.576	5.576	(0.732)	10181	0.30000	0.323420(a)
42 2-Butanone	43	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	6.185	6.185	(0.812)	9319	0.30000	0.332713(a)
43 2,2-Dichloropropane	77	6.203	6.203	(0.815)	11212	0.30000	0.307226(a)
47 Methacrylonitrile	41	6.464	6.464	(0.849)	12457	3.00000	2.70997(a)
48 Bromochloromethane	128	6.481	6.481	(0.851)	4120	0.30000	0.269090(a)
50 Chloroform	83	6.568	6.568	(0.863)	14310	0.30000	0.296618(a)
52 1,1,1-Trichloroethane	97	6.812	6.812	(0.895)	13812	0.30000	0.314852(a)
56 Isobutanol	41	Compound Not Detected.					
54 1,1-Dichloropropene	75	7.004	7.004	(0.920)	13394	0.30000	0.321582(a)
55 Carbon Tetrachloride	117	7.021	7.021	(0.922)	13189	0.30000	0.297072(a)
59 1,2-Dichloroethane	62	7.299	7.299	(0.959)	5389	0.30000	0.294620(aQ)
58 Benzene	78	7.265	7.265	(0.954)	23860	0.30000	0.301701(a)
63 Trichloroethene	95	8.083	8.083	(1.062)	11493	0.30000	0.336490(a)
66 1,2-Dichloropropane	63	8.414	8.414	(1.105)	8158	0.30000	0.275112(aQ)
69 1,4-Dioxane	88	Compound Not Detected.					
68 Dibromomethane	93	8.588	8.588	(1.128)	4902	0.30000	0.285069(a)
70 Bromodichloromethane	83	8.762	8.762	(1.151)	12178	0.30000	0.290736(aQ)
73 cis-1,3-Dichloropropene	75	9.371	9.371	(1.231)	10765	0.30000	0.286240(a)
74 4-Methyl-2-pentanone	43	9.580	9.580	(1.258)	17685	1.20000	1.55573(a)
76 Toluene	91	9.841	9.841	(1.293)	27334	0.30000	0.311612(a)
79 1,1,2-Trichloroethane	97	10.485	10.485	(1.377)	6009	0.30000	0.330626(a)
82 2-Hexanone	43	10.851	10.851	(0.908)	19574	1.20000	2.19219(aQ)
81 1,3-Dichloropropane	76	10.764	10.764	(0.901)	7984	0.30000	0.251793(a)
80 Tetrachloroethene	164	10.694	10.694	(0.895)	8716	0.30000	0.240566(a)
83 Dibromochloromethane	129	11.112	11.112	(0.930)	10033	0.30000	0.252963(a)
85 1,2-Dibromoethane	107	11.304	11.304	(0.946)	6611	0.30000	0.237263(a)
87 1-Chlorohexane	91	11.930	11.930	(0.999)	15680	0.30000	0.319586(aQ)
88 Chlorobenzene	112	12.000	12.000	(1.004)	19977	0.30000	0.276798(aQ)
89 1,1,1,2-Tetrachloroethane	131	12.105	12.105	(1.013)	10244	0.30000	0.285139(a)
90 Ethylbenzene	106	12.122	12.122	(1.015)	9834	0.30000	0.276797(a)
91 m and p-Xylene	106	12.296	12.296	(1.029)	26056	0.60000	0.546016(a)
92 o-Xylene	106	12.801	12.801	(1.071)	11581	0.30000	0.268842(a)
93 Styrene	104	12.818	12.818	(1.073)	17314	0.30000	0.247623(a)
94 Bromoform	173	13.079	13.079	(1.095)	4886	0.30000	0.236603(a)
95 isopropyl benzene	105	13.254	13.254	(0.899)	35654	0.30000	0.316729(a)
99 1,1,2,2-Tetrachloroethane	83	13.619	13.619	(0.923)	6616	0.30000	0.289746(aQ)
101 1,2,3-Trichloropropane	110	13.671	13.671	(0.927)	1560	0.30000	0.301079(a)
100 Bromobenzene	156	13.637	13.637	(0.924)	8403	0.30000	0.282792(a)
103 n-Propylbenzene	120	13.741	13.741	(0.932)	9442	0.30000	0.304524(a)
104 2-Chlorotoluene	126	13.845	13.845	(0.939)	7680	0.30000	0.289723(a)
105 1,3,5-Trimethylbenzene	105	13.933	13.933	(0.945)	26363	0.30000	0.317002(a)
106 4-Chlorotoluene	126	13.985	13.985	(0.948)	8837	0.30000	0.301565(a)
107 tert-Butylbenzene	119	14.316	14.316	(0.970)	33414	0.30000	0.337060(a)
108 1,2,4-Trimethylbenzene	105	14.368	14.368	(0.974)	25989	0.30000	0.325637(a)
109 sec-Butylbenzene	134	14.542	14.542	(0.986)	8794	0.30000	0.330182(a)
111 4-Isopropyltoluene	119	14.699	14.699	(0.996)	37178	0.30000	0.340274(a)
110 1,3-Dichlorobenzene	146	14.681	14.681	(0.995)	14452	0.30000	0.279018(a)
113 1,4-dichlorobenzene	146	14.768	14.768	(1.001)	19602	0.30000	0.325634(aQ)
115 n-Butylbenzene	91	15.116	15.116	(1.025)	30323	0.30000	0.323311(a)
116 1,2-Dichlorobenzene	146	15.151	15.151	(1.027)	12961	0.30000	0.294630(a)
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
118 1,2,4-Trichlorobenzene	180	16.701	16.701	(1.132)	9979	0.30000	0.304427(a)
119 Hexachlorobutadiene	225	16.840	16.840	(1.142)	9220	0.30000	0.309582(a)
120 Naphthalene	128	16.944	16.944	(1.149)	11900	0.30000	0.312205(a)
121 1,2,3-Trichlorobenzene	180	17.188	17.188	(1.165)	8161	0.30000	0.312986(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: H4455.D

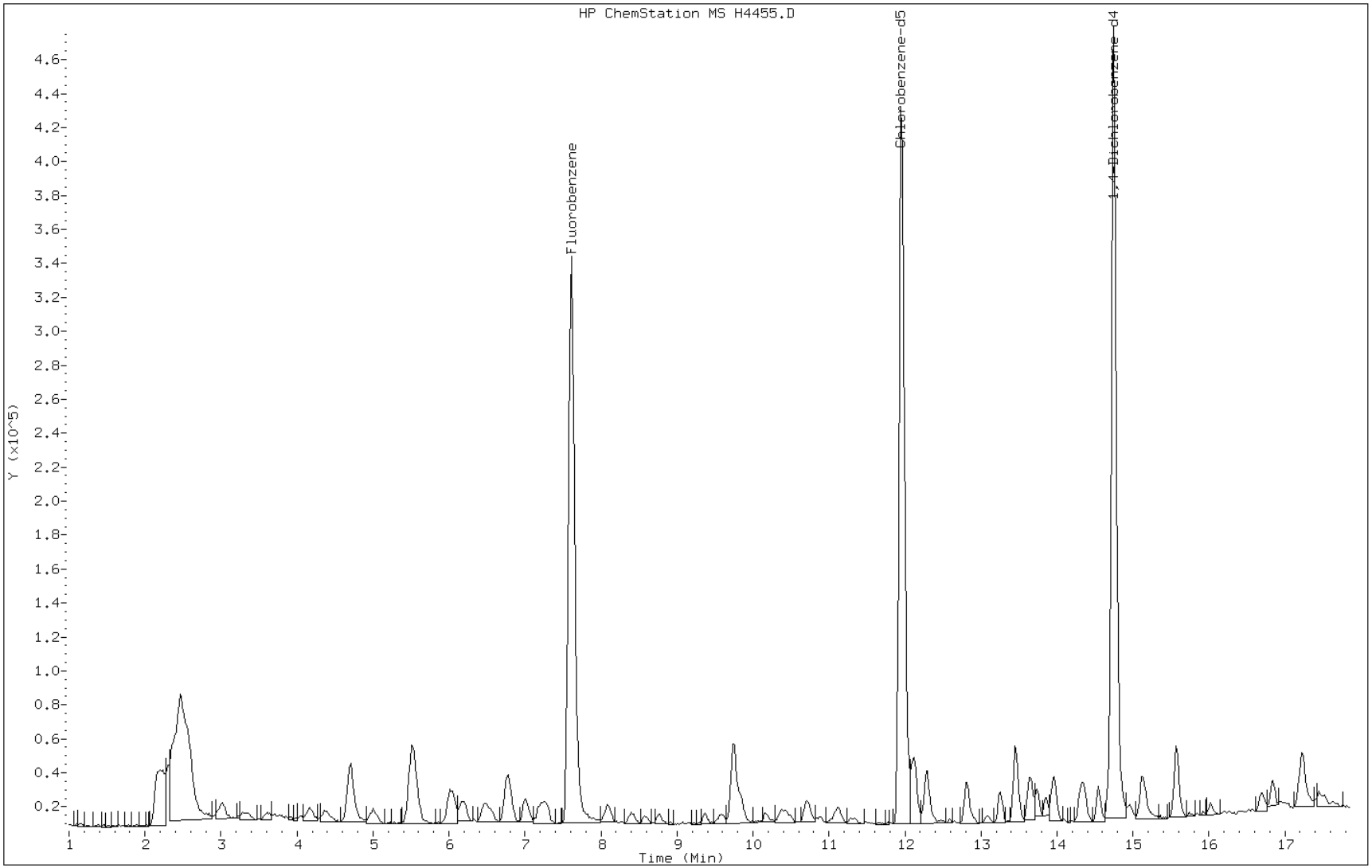
Date: 02-JUL-2012 12:30

Client ID: IC

Instrument: H.i

Sample Info: IC,,M0.3

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4456.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 12:52
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,M1.0
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 12:30 Cal File: H4455.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61	Fluorobenzene	96	7.614	7.614	(1.000)	959230	12.5000	
* 86	Chlorobenzene-d5	119	11.966	11.966	(1.000)	232303	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.752	14.752	(1.000)	342812	12.5000	
M 1	1,2-Dichloroethene (total)	96				59334	2.00000	2.07634
M 2	Xylene (total)	106				132413	3.00000	2.99946
M 3	1,3-Dichloropropene (total)	75				63386	2.00000	1.92785
M 4	Trihalomethanes (total)	83				143313	4.00000	3.82499
5	Chlorotrifluoroethene	116	2.600	2.600	(0.342)	11020	1.00000	1.24290
6	dichlorodifluoromethane	85	2.635	2.635	(0.346)	25705	1.00000	0.712272(a)
8	Chloromethane	50	2.826	2.826	(0.371)	19138	1.00000	0.992134(a)
9	Vinyl Chloride	62	2.966	2.966	(0.390)	22579	1.00000	0.984494(a)
10	2-Chloro-1,1,1-trifluoroethane	118	3.018	3.018	(0.396)	40967	1.00000	0.999950(a)
12	Bromomethane	94	3.296	3.296	(0.433)	22889	1.00000	0.992430(a)
13	Chloroethane	64	3.366	3.366	(0.442)	16311	1.00000	1.01100(aQ)
15	Trichlorofluoromethane	101	3.610	3.610	(0.474)	48390	1.00000	1.01258(aQ)
16	Ethanol	45	Compound Not Detected.					
20	Acrolein	56	4.062	4.062	(0.534)	12697	10.0000	10.5157(aQ)
22	Acetone	43	4.219	4.219	(0.554)	9773	4.00000	5.57633(aQ)
21	1,1-Dichloroethene	96	4.167	4.167	(0.547)	25783	1.00000	1.04972
25	Iodomethane	142	4.376	4.376	(0.575)	61951	1.00000	0.983948(a)
27	Acetonitrile	41	4.689	4.689	(0.616)	2340	10.0000	12.4523(aQ)
31	tert-Butyl alcohol	59	4.794	4.794	(0.630)	17556	20.0000	18.6792(aQ)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
30 Methylene Chloride	84	4.689	4.689	(0.616)	58973	1.00000	0.839838(a)
32 Acrylonitrile	53	4.985	4.985	(0.655)	20391	10.0000	9.61630(aQ)
34 trans-1,2-Dichloroethene	96	5.003	5.003	(0.657)	29980	1.00000	1.04223
38 Isopropyl ether	87	5.525	5.525	(0.726)	108201	5.00000	4.97710(a)
36 1,1-Dichloroethane	63	5.490	5.490	(0.721)	49647	1.00000	1.01172(Q)
39 Chloroprene	53	5.577	5.577	(0.732)	35002	1.00000	1.09716
42 2-Butanone	43	6.169	6.169	(0.810)	15135	4.00000	4.22826(a)
41 cis-1,2-Dichloroethene	96	6.186	6.186	(0.813)	29354	1.00000	1.03412
45 Propionitrile	54	6.291	6.291	(0.826)	6093	10.0000	7.64380(aQ)
43 2,2-Dichloropropane	77	6.204	6.204	(0.815)	37548	1.00000	1.01523(a)
47 Methacrylonitrile	41	6.448	6.448	(0.847)	46399	10.0000	9.96004(a)
48 Bromochloromethane	128	6.482	6.482	(0.851)	14657	1.00000	0.944601(a)
50 Chloroform	83	6.552	6.552	(0.861)	48568	1.00000	0.993368(a)
52 1,1,1-Trichloroethane	97	6.813	6.813	(0.895)	43954	1.00000	0.988667(a)
54 1,1-Dichloropropene	75	6.987	6.987	(0.918)	43254	1.00000	1.02473
55 Carbon Tetrachloride	117	7.022	7.022	(0.922)	45701	1.00000	1.01573
59 1,2-Dichloroethane	62	7.283	7.283	(0.957)	18451	1.00000	0.995349(aQ)
58 Benzene	78	7.266	7.266	(0.954)	79716	1.00000	0.994612(a)
62 n-Butanol	56	7.980	7.980	(1.048)	7421	30.0000	25.8789(aQ)
63 Trichloroethene	95	8.084	8.084	(1.062)	35058	1.00000	1.01281
66 1,2-Dichloropropane	63	8.397	8.397	(1.103)	29894	1.00000	0.994745(aQ)
68 Dibromomethane	93	8.571	8.571	(1.126)	17002	1.00000	0.975616(a)
70 Bromodichloromethane	83	8.763	8.763	(1.151)	40934	1.00000	0.964295(aQ)
73 cis-1,3-Dichloropropene	75	9.372	9.372	(1.231)	36623	1.00000	0.960888(a)
74 4-Methyl-2-pentanone	43	9.581	9.581	(1.258)	48041	4.00000	4.17006(a)
76 Toluene	91	9.842	9.842	(1.293)	91173	1.00000	1.02560
77 trans-1,3-Dichloropropene	75	10.173	10.173	(1.336)	26763	1.00000	0.966963(a)
79 1,1,2-Trichloroethane	97	10.469	10.469	(1.375)	18431	1.00000	1.00066
82 2-Hexanone	43	10.870	10.870	(0.908)	35085	4.00000	4.11294(aQ)
81 1,3-Dichloropropane	76	10.748	10.748	(0.898)	28269	1.00000	0.933181(a)
80 Tetrachloroethene	164	10.713	10.713	(0.895)	31500	1.00000	0.910038(a)
83 Dibromochloromethane	129	11.113	11.113	(0.929)	35405	1.00000	0.934377(a)
85 1,2-Dibromoethane	107	11.305	11.305	(0.945)	24271	1.00000	0.911763(a)
87 1-Chlorohexane	91	11.932	11.932	(0.997)	48140	1.00000	1.02702
88 Chlorobenzene	112	12.001	12.001	(1.003)	67027	1.00000	0.972107(a)
89 1,1,1,2-Tetrachloroethane	131	12.106	12.106	(1.012)	32960	1.00000	0.960298(a)
90 Ethylbenzene	106	12.123	12.123	(1.013)	32810	1.00000	0.966649(a)
91 m and p-Xylene	106	12.297	12.297	(1.028)	92214	2.00000	2.02268
92 o-Xylene	106	12.802	12.802	(1.070)	40199	1.00000	0.976783
93 Styrene	104	12.819	12.819	(1.071)	63402	1.00000	0.949135(a)
94 Bromoform	173	13.081	13.081	(1.093)	18406	1.00000	0.932948(a)
95 isopropyl benzene	105	13.255	13.255	(0.899)	123133	1.00000	1.03542
97 Cyclohexanone	55	13.394	13.394	(1.119)	19225	40.0000	52.0914(aQ)
99 1,1,2,2-Tetrachloroethane	83	13.638	13.638	(0.924)	24066	1.00000	0.997676(aQ)
101 1,2,3-Trichloropropane	110	13.672	13.672	(0.927)	5288	1.00000	0.966078(a)
100 Bromobenzene	156	13.638	13.638	(0.924)	29201	1.00000	0.930238(a)
103 n-Propylbenzene	120	13.742	13.742	(0.932)	33334	1.00000	1.01768
104 2-Chlorotoluene	126	13.864	13.864	(0.940)	27664	1.00000	0.987873(a)
105 1,3,5-Trimethylbenzene	105	13.934	13.934	(0.945)	87703	1.00000	0.998263(a)
106 4-Chlorotoluene	126	13.986	13.986	(0.948)	30919	1.00000	0.998770(a)
107 tert-Butylbenzene	119	14.317	14.317	(0.970)	104627	1.00000	0.999050(a)
108 1,2,4-Trimethylbenzene	105	14.369	14.369	(0.974)	85502	1.00000	1.01411
109 sec-Butylbenzene	134	14.543	14.543	(0.986)	27737	1.00000	0.985803(a)
111 4-Isopropyltoluene	119	14.700	14.700	(0.996)	118402	1.00000	1.02581

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
110 1,3-Dichlorobenzene	146	14.682	14.682	(0.995)	55763	1.00000	1.01909
113 1,4-dichlorobenzene	146	14.769	14.769	(1.001)	59662	1.00000	0.938192(a)
115 n-Butylbenzene	91	15.117	15.117	(1.025)	101886	1.00000	1.02832
116 1,2-Dichlorobenzene	146	15.152	15.152	(1.027)	46875	1.00000	1.00866
117 1,2-Dibromo-3-chloropropane	157	15.918	15.918	(1.079)	4123	1.00000	0.888978(aQ)
118 1,2,4-Trichlorobenzene	180	16.702	16.702	(1.132)	33874	1.00000	0.978198(a)
119 Hexachlorobutadiene	225	16.841	16.841	(1.142)	32404	1.00000	1.02993
120 Naphthalene	128	16.945	16.945	(1.149)	40446	1.00000	1.00446
121 1,2,3-Trichlorobenzene	180	17.189	17.189	(1.165)	28204	1.00000	1.02390

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: H4456.D

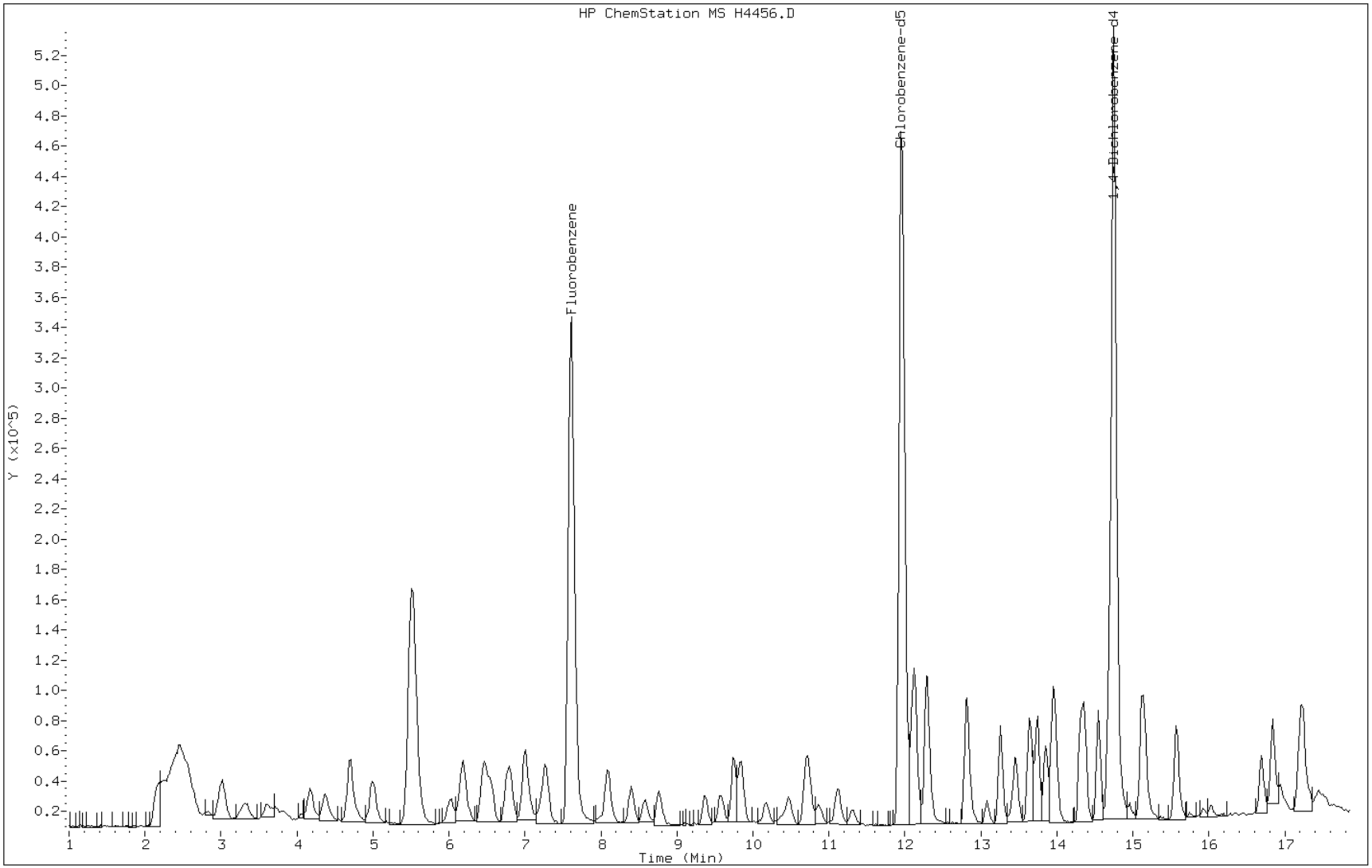
Date: 02-JUL-2012 12:52

Client ID: IC

Instrument: H.i

Sample Info: IC,,M1.0

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4457.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 13:15
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,M2.0
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 16:13 Cal File: H4465.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
* 61	Fluorobenzene	96	7.610	7.610	(1.000)	942210	12.5000	
* 86	Chlorobenzene-d5	119	11.963	11.963	(1.000)	223858	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.748	14.748	(1.000)	328595	12.5000	
M 1	1,2-Dichloroethene (total)	96				113860	4.00000	4.05641
M 2	Xylene (total)	106				250721	6.00000	5.90188
M 3	1,3-Dichloropropene (total)	75				127547	4.00000	3.95325
M 4	Trihalomethanes (total)	83				282951	8.00000	7.75339
5	Chlorotrifluoroethene	116	2.614	2.614	(0.343)	21493	2.00000	1.76911
6	dichlorodifluoromethane	85	2.666	2.666	(0.350)	55726	2.00000	1.57203(a)
8	Chloromethane	50	2.840	2.840	(0.373)	36295	2.00000	1.91556(aQ)
9	Vinyl Chloride	62	2.979	2.979	(0.392)	42789	2.00000	1.89940(Q)
10	2-Chloro-1,1,1-trifluoroethane	118	3.031	3.031	(0.398)	80185	2.00000	1.99256
12	Bromomethane	94	3.310	3.310	(0.435)	43369	2.00000	1.91438(a)
13	Chloroethane	64	3.362	3.362	(0.442)	30162	2.00000	1.90330(a)
15	Trichlorofluoromethane	101	3.623	3.623	(0.476)	92773	2.00000	1.97638(aQM)
20	Acrolein	56	4.076	4.076	(0.536)	24021	20.0000	20.2537
22	Acetone	43	4.233	4.233	(0.556)	15559	8.00000	9.03810(aM)
21	1,1-Dichloroethene	96	4.181	4.181	(0.549)	47701	2.00000	1.97715
25	Iodomethane	142	4.372	4.372	(0.575)	118958	2.00000	1.92350
27	Acetonitrile	41	4.564	4.564	(0.600)	4032	20.0000	17.5520(aQH)
31	tert-Butyl alcohol	59	4.825	4.825	(0.634)	33810	40.0000	36.6230(a)
30	Methylene Chloride	84	4.703	4.703	(0.618)	85158	2.00000	2.00952(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
32 Acrylonitrile	53	4.981	4.981	(0.655)	36448	20.0000	17.4992(a)
34 trans-1,2-Dichloroethene	96	4.999	4.999	(0.657)	57525	2.00000	2.03593
38 Isopropyl ether	87	5.521	5.521	(0.725)	210526	10.0000	9.85884(a)
36 1,1-Dichloroethane	63	5.504	5.504	(0.723)	97533	2.00000	2.02346
39 Chloroprene	53	5.591	5.591	(0.735)	65826	2.00000	2.10063
42 2-Butanone	43	6.183	6.183	(0.812)	28117	8.00000	7.99693
41 cis-1,2-Dichloroethene	96	6.183	6.183	(0.812)	56335	2.00000	2.02048
45 Propionitrile	54	6.304	6.304	(0.828)	14150	20.0000	18.0721(aQ)
43 2,2-Dichloropropane	77	6.200	6.200	(0.815)	74866	2.00000	2.06081(a)
47 Methacrylonitrile	41	6.461	6.461	(0.849)	89494	20.0000	19.5579
48 Bromochloromethane	128	6.479	6.479	(0.851)	29872	2.00000	1.95994
50 Chloroform	83	6.566	6.566	(0.863)	94737	2.00000	1.97267
52 1,1,1-Trichloroethane	97	6.809	6.809	(0.895)	85797	2.00000	1.96471
56 Isobutanol	41	7.105	7.105	(0.934)	9107	40.0000	36.8856(a)
54 1,1-Dichloropropene	75	7.001	7.001	(0.920)	83391	2.00000	2.01130
55 Carbon Tetrachloride	117	7.018	7.018	(0.922)	88544	2.00000	2.00349
59 1,2-Dichloroethane	62	7.297	7.297	(0.959)	36506	2.00000	2.00491
58 Benzene	78	7.262	7.262	(0.954)	158068	2.00000	2.00783
62 n-Butanol	56	7.993	7.993	(1.050)	17292	60.0000	61.3909
63 Trichloroethene	95	8.098	8.098	(1.064)	66604	2.00000	1.95892
66 1,2-Dichloropropane	63	8.394	8.394	(1.103)	57342	2.00000	1.94256
69 1,4-Dioxane	88	8.603	8.603	(1.130)	7517	100.000	83.9814(a)
68 Dibromomethane	93	8.585	8.585	(1.128)	33351	2.00000	1.94833
70 Bromodichloromethane	83	8.777	8.777	(1.153)	81767	2.00000	1.96100
73 cis-1,3-Dichloropropene	75	9.369	9.369	(1.231)	73306	2.00000	1.95809
74 4-Methyl-2-pentanone	43	9.577	9.577	(1.258)	87828	8.00000	7.76137
76 Toluene	91	9.839	9.839	(1.293)	178414	2.00000	2.04323
77 trans-1,3-Dichloropropene	75	10.169	10.169	(1.336)	54241	2.00000	1.99516(a)
79 1,1,2-Trichloroethane	97	10.483	10.483	(1.377)	34992	2.00000	1.93411
82 2-Hexanone	43	10.866	10.866	(0.908)	65198	8.00000	7.93134
81 1,3-Dichloropropane	76	10.744	10.744	(0.898)	57331	2.00000	1.96394
80 Tetrachloroethene	164	10.709	10.709	(0.895)	62756	2.00000	1.88142
83 Dibromochloromethane	129	11.127	11.127	(0.930)	70573	2.00000	1.93276
85 1,2-Dibromoethane	107	11.318	11.318	(0.946)	46369	2.00000	1.80761
87 1-Chlorohexane	91	11.945	11.945	(0.999)	90663	2.00000	2.00718
88 Chlorobenzene	112	11.997	11.997	(1.003)	133459	2.00000	2.00860
89 1,1,1,2-Tetrachloroethane	131	12.119	12.119	(1.013)	64267	2.00000	1.94307
90 Ethylbenzene	106	12.137	12.137	(1.015)	65824	2.00000	2.01247
91 m and p-Xylene	106	12.293	12.293	(1.028)	171256	4.00000	3.89814
92 o-Xylene	106	12.798	12.798	(1.070)	79465	2.00000	2.00374
93 Styrene	104	12.816	12.816	(1.071)	127518	2.00000	1.98097
94 Bromoform	173	13.077	13.077	(1.093)	35874	2.00000	1.88695
95 isopropyl benzene	105	13.251	13.251	(0.898)	233964	2.00000	2.05252
97 Cyclohexanone	55	13.408	13.408	(1.121)	27146	80.0000	76.3287(a)
99 1,1,2,2-Tetrachloroethane	83	13.634	13.634	(0.924)	46612	2.00000	2.01594
101 1,2,3-Trichloropropane	110	13.686	13.686	(0.928)	10395	2.00000	1.98125
100 Bromobenzene	156	13.634	13.634	(0.924)	58090	2.00000	1.93060
103 n-Propylbenzene	120	13.738	13.738	(0.932)	64028	2.00000	2.03933
104 2-Chlorotoluene	126	13.860	13.860	(0.940)	54284	2.00000	2.02233
105 1,3,5-Trimethylbenzene	105	13.947	13.947	(0.946)	167670	2.00000	1.99104
106 4-Chlorotoluene	126	13.982	13.982	(0.948)	58710	2.00000	1.97855
107 tert-Butylbenzene	119	14.313	14.313	(0.970)	201298	2.00000	2.00529
108 1,2,4-Trimethylbenzene	105	14.365	14.365	(0.974)	163624	2.00000	2.02465
109 sec-Butylbenzene	134	14.539	14.539	(0.986)	54816	2.00000	2.03251

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
111 4-Isopropyltoluene	119	14.696	14.696	(0.996)	224399	2.00000	2.02826
110 1,3-Dichlorobenzene	146	14.678	14.678	(0.995)	102390	2.00000	1.95218
113 1,4-dichlorobenzene	146	14.766	14.766	(1.001)	119366	2.00000	1.95826
115 n-Butylbenzene	91	15.114	15.114	(1.025)	195547	2.00000	2.05901
116 1,2-Dichlorobenzene	146	15.166	15.166	(1.028)	91057	2.00000	2.04414
117 1,2-Dibromo-3-chloropropane	157	15.932	15.932	(1.080)	8341	2.00000	1.87625(a)
118 1,2,4-Trichlorobenzene	180	16.698	16.698	(1.132)	64669	2.00000	1.94828
119 Hexachlorobutadiene	225	16.837	16.837	(1.142)	60806	2.00000	2.01628
120 Naphthalene	128	16.942	16.942	(1.149)	76617	2.00000	1.98508
121 1,2,3-Trichlorobenzene	180	17.185	17.185	(1.165)	52665	2.00000	1.99463

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: H4457.D

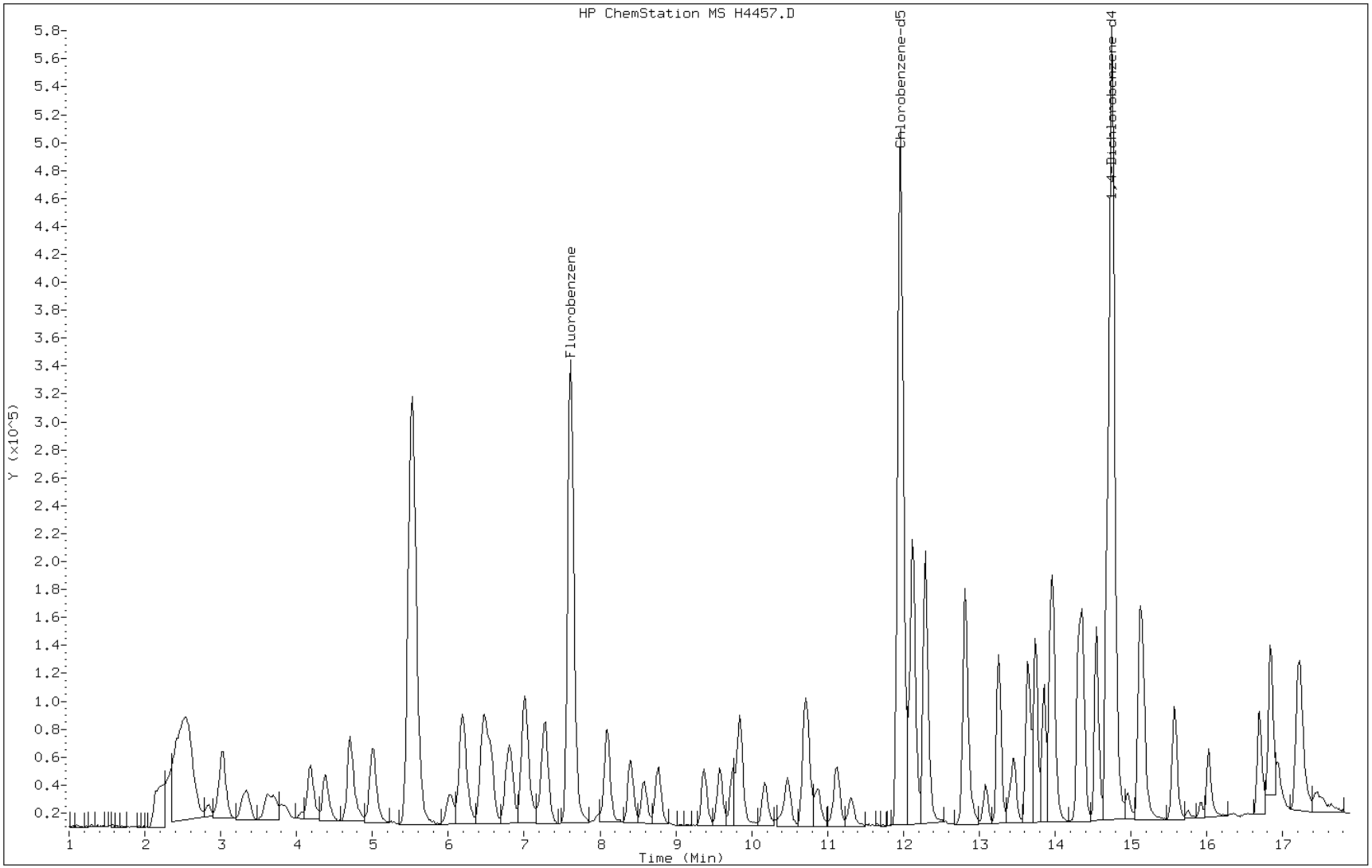
Date: 02-JUL-2012 13:15

Client ID: IC

Instrument: H.i

Sample Info: IC,,M2.0

Operator: MEIERG



Manual Integration Report

Data File: H4457.D
Inj. Date and Time: 02-JUL-2012 13:15
Instrument ID: H.i
Client ID: IC
Compound: 22 Acetone
CAS #: 67-64-1
Report Date: 07/05/2012

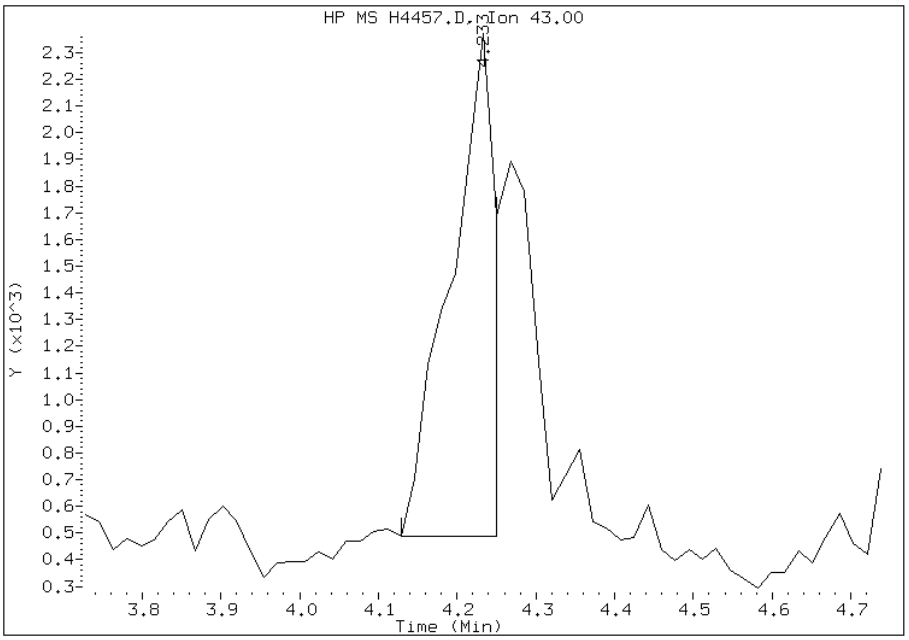
Processing Integration Results

RT: 4.23

Response: 7551

Amount: 6

Conc: 6



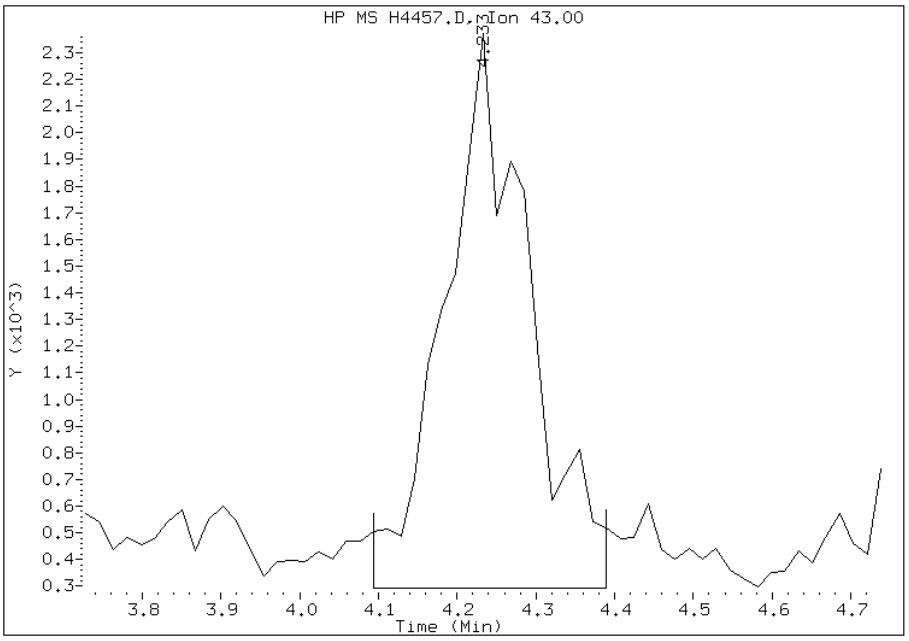
Manual Integration Results

RT: 4.23

Response: 15559

Amount: 9

Conc: 9



Manually Integrated By: meierg
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: H4457.D
Inj. Date and Time: 02-JUL-2012 13:15
Instrument ID: H.i
Client ID: IC
Compound: 15 Trichlorofluoromethane
CAS #: 75-69-4
Report Date: 07/05/2012

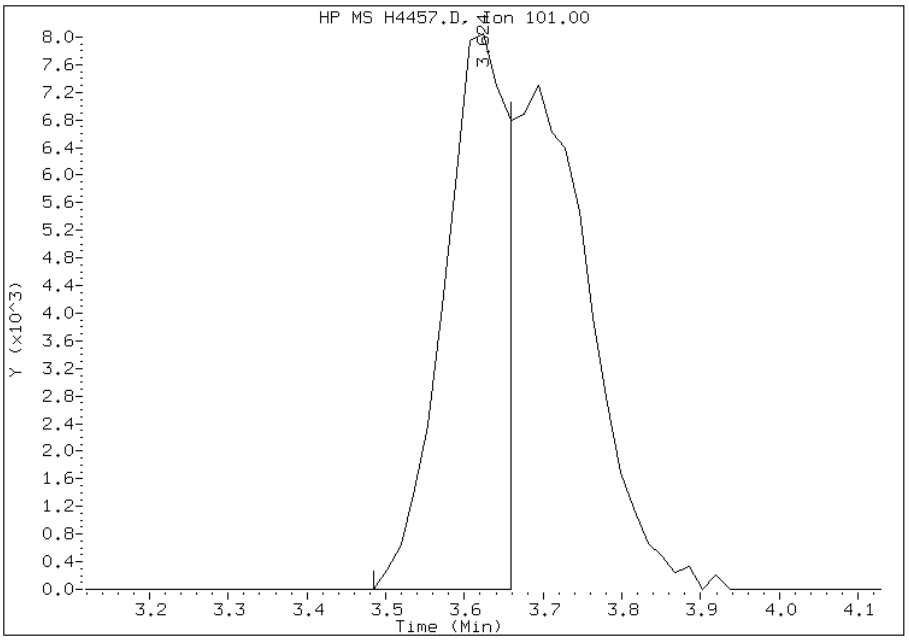
Processing Integration Results

RT: 3.62

Response: 46819

Amount: 1

Conc: 1



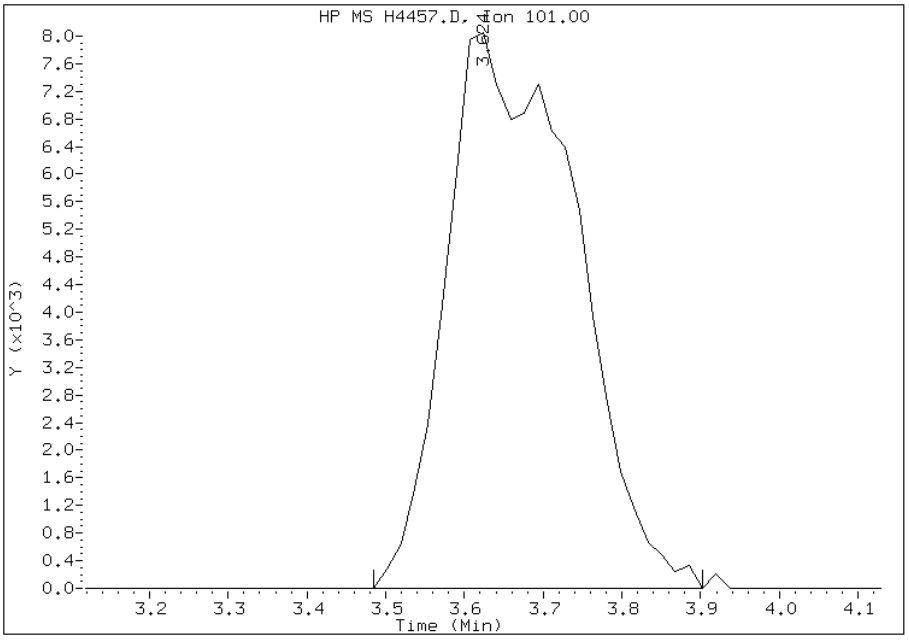
Manual Integration Results

RT: 3.62

Response: 92773

Amount: 2

Conc: 2



Manually Integrated By: meierg
Manual Integration Reason: Split Peak

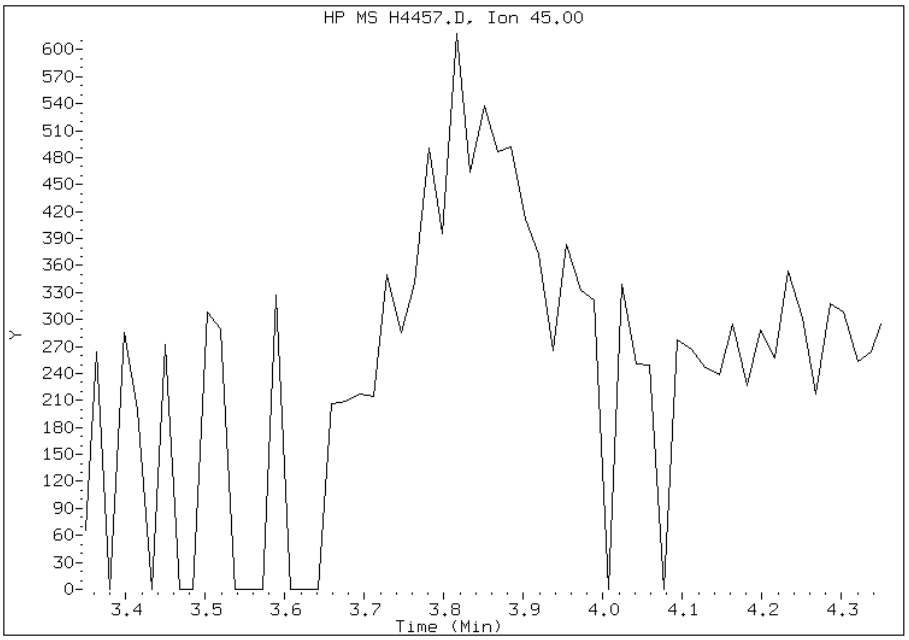
Manual Integration Report

Data File: H4457.D
Inj. Date and Time: 02-JUL-2012 13:15
Instrument ID: H.i
Client ID: IC
Compound: 16 Ethanol
CAS #: 64-17-5
Report Date: 07/05/2012

Processing Integration Results

Not Detected

Expected RT: 3.85



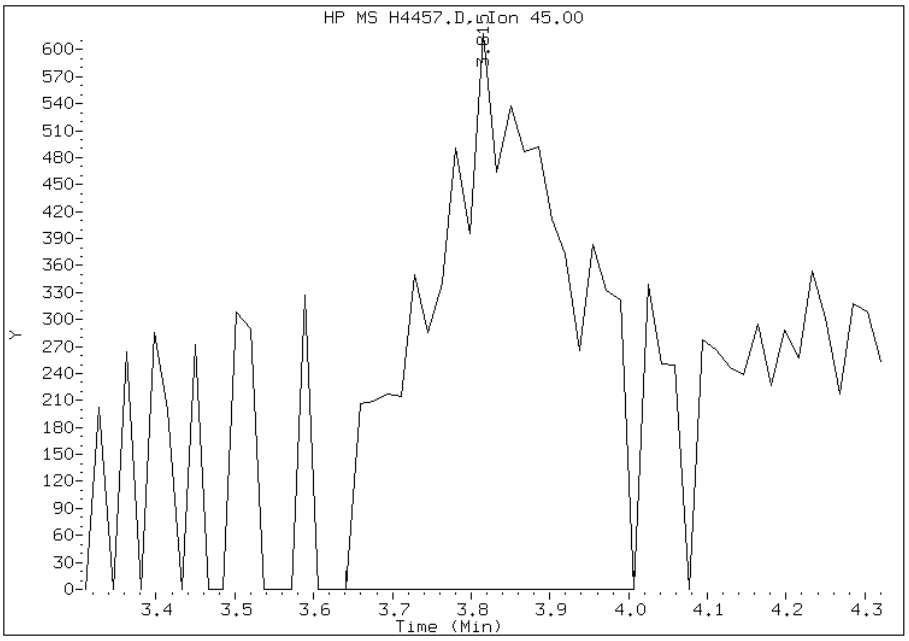
Manual Integration Results

RT: 3.82

Response: 7726

Amount: -10

Conc: -10



Manually Integrated By: meierg
Manual Integration Reason: Analyte not Identified by the Data System

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4458.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 13:37
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,M5.0
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 16:35 Cal File: H4466.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	61 Fluorobenzene	96	7.615	7.615	(1.000)	914880	12.5000	
*	86 Chlorobenzene-d5	119	11.967	11.967	(1.000)	217191	12.5000	
*	112 1,4-Dichlorobenzene-d4	152	14.753	14.753	(1.000)	321698	12.5000	
M	1 1,2-Dichloroethene (total)	96				275686	10.0000	10.1158
M	2 Xylene (total)	106				614404	15.0000	14.9020
M	3 1,3-Dichloropropene (total)	75				315112	10.0000	10.0331
M	4 Trihalomethanes (total)	83				703749	20.0000	19.8718
	5 Chlorotrifluoroethene	116	2.618	2.618	(0.344)	81064	5.00000	4.82684
	6 dichlorodifluoromethane	85	2.653	2.653	(0.348)	182529	5.00000	5.30296
	8 Chloromethane	50	2.845	2.845	(0.374)	94532	5.00000	5.13820
	9 Vinyl Chloride	62	2.984	2.984	(0.392)	115321	5.00000	5.27200
	10 2-Chloro-1,1,1-trifluoroethane	118	3.036	3.036	(0.399)	196682	5.00000	5.03347
	12 Bromomethane	94	3.315	3.315	(0.435)	116442	5.00000	5.29348
	13 Chloroethane	64	3.367	3.367	(0.442)	80110	5.00000	5.20617
	15 Trichlorofluoromethane	101	3.611	3.611	(0.474)	237695	5.00000	5.21497(Q)
	16 Ethanol	45	3.837	3.837	(0.504)	18488	250.000	277.445(aQM)
	20 Acrolein	56	4.063	4.063	(0.534)	60919	50.0000	52.8994
	22 Acetone	43	4.237	4.237	(0.556)	34508	20.0000	20.6442
	21 1,1-Dichloroethene	96	4.185	4.185	(0.550)	117149	5.00000	5.00075
	25 Iodomethane	142	4.377	4.377	(0.575)	295524	5.00000	4.92125
	27 Acetonitrile	41	4.586	4.586	(0.602)	15116	50.0000	51.4878(QH)
	31 tert-Butyl alcohol	59	4.812	4.812	(0.632)	88669	100.000	98.9154

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
30 Methylene Chloride	84	4.707	4.707	(0.618)	148846	5.00000	4.93613(a)
32 Acrylonitrile	53	4.986	4.986	(0.655)	100973	50.0000	49.9268
34 trans-1,2-Dichloroethene	96	5.003	5.003	(0.657)	137729	5.00000	5.02012
38 Isopropyl ether	87	5.526	5.526	(0.726)	530876	25.0000	25.6033
36 1,1-Dichloroethane	63	5.491	5.491	(0.721)	242653	5.00000	5.18456
39 Chloroprene	53	5.595	5.595	(0.735)	155296	5.00000	5.10384
42 2-Butanone	43	6.187	6.187	(0.813)	71267	20.0000	20.8750
41 cis-1,2-Dichloroethene	96	6.187	6.187	(0.813)	137957	5.00000	5.09570
45 Propionitrile	54	6.309	6.309	(0.829)	38182	50.0000	50.2222(Q)
43 2,2-Dichloropropane	77	6.205	6.205	(0.815)	174886	5.00000	4.95782(a)
47 Methacrylonitrile	41	6.448	6.448	(0.847)	221606	50.0000	49.8761
48 Bromochloromethane	128	6.501	6.501	(0.854)	76569	5.00000	5.17386
50 Chloroform	83	6.553	6.553	(0.861)	235786	5.00000	5.05634
52 1,1,1-Trichloroethane	97	6.814	6.814	(0.895)	212775	5.00000	5.01800
56 Isobutanol	41	7.110	7.110	(0.934)	20323	100.000	84.7721(aQ)
54 1,1-Dichloropropene	75	7.005	7.005	(0.920)	201945	5.00000	5.01620
55 Carbon Tetrachloride	117	7.023	7.023	(0.922)	220738	5.00000	5.14385
59 1,2-Dichloroethane	62	7.284	7.284	(0.957)	94448	5.00000	5.34204
58 Benzene	78	7.267	7.267	(0.954)	390031	5.00000	5.10230
62 n-Butanol	56	7.980	7.980	(1.048)	40525	150.000	148.172
63 Trichloroethene	95	8.085	8.085	(1.062)	166192	5.00000	5.03396
66 1,2-Dichloropropane	63	8.398	8.398	(1.103)	144145	5.00000	5.02905
69 1,4-Dioxane	88	8.590	8.590	(1.128)	20651	250.000	237.609
68 Dibromomethane	93	8.572	8.572	(1.126)	82616	5.00000	4.97052
70 Bromodichloromethane	83	8.764	8.764	(1.151)	204251	5.00000	5.04485
73 cis-1,3-Dichloropropene	75	9.373	9.373	(1.231)	183553	5.00000	5.04939
74 4-Methyl-2-pentanone	43	9.582	9.582	(1.258)	232451	20.0000	21.1554
76 Toluene	91	9.843	9.843	(1.293)	432768	5.00000	5.10420
77 trans-1,3-Dichloropropene	75	10.174	10.174	(1.336)	131559	5.00000	4.98373
79 1,1,2-Trichloroethane	97	10.470	10.470	(1.375)	89256	5.00000	5.08082
82 2-Hexanone	43	10.870	10.870	(0.908)	155179	20.0000	19.4570
81 1,3-Dichloropropane	76	10.748	10.748	(0.898)	140084	5.00000	4.94603
80 Tetrachloroethene	164	10.714	10.714	(0.895)	157305	5.00000	4.86076
83 Dibromochloromethane	129	11.131	11.131	(0.930)	174176	5.00000	4.91653
85 1,2-Dibromoethane	107	11.306	11.306	(0.945)	122246	5.00000	4.91181
87 1-Chlorohexane	91	11.932	11.932	(0.997)	218724	5.00000	4.99095
88 Chlorobenzene	112	12.002	12.002	(1.003)	331185	5.00000	5.13745
89 1,1,1,2-Tetrachloroethane	131	12.106	12.106	(1.012)	160531	5.00000	5.00254
90 Ethylbenzene	106	12.141	12.141	(1.015)	158053	5.00000	4.98056
91 m and p-Xylene	106	12.298	12.298	(1.028)	421546	10.0000	9.88980
92 o-Xylene	106	12.803	12.803	(1.070)	192858	5.00000	5.01226
93 Styrene	104	12.820	12.820	(1.071)	313509	5.00000	5.01982
94 Bromoform	173	13.081	13.081	(1.093)	89536	5.00000	4.85410
95 isopropyl benzene	105	13.255	13.255	(0.899)	570193	5.00000	5.10944
97 Cyclohexanone	55	13.412	13.412	(1.121)	71408	200.000	206.947
99 1,1,2,2-Tetrachloroethane	83	13.638	13.638	(0.924)	118180	5.00000	5.22080
101 1,2,3-Trichloropropane	110	13.691	13.691	(0.928)	26983	5.00000	5.25313
100 Bromobenzene	156	13.638	13.638	(0.924)	145816	5.00000	4.95005
103 n-Propylbenzene	120	13.743	13.743	(0.932)	151579	5.00000	4.93138
104 2-Chlorotoluene	126	13.847	13.847	(0.939)	127600	5.00000	4.85562
105 1,3,5-Trimethylbenzene	105	13.952	13.952	(0.946)	420232	5.00000	5.09715
106 4-Chlorotoluene	126	13.987	13.987	(0.948)	145811	5.00000	5.01924
107 tert-Butylbenzene	119	14.317	14.317	(0.970)	500630	5.00000	5.09410
108 1,2,4-Trimethylbenzene	105	14.370	14.370	(0.974)	403955	5.00000	5.10562

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 sec-Butylbenzene	134	14.544	14.544	(0.986)	131294	5.00000	4.97260
111 4-Isopropyltoluene	119	14.700	14.700	(0.996)	548511	5.00000	5.06408
110 1,3-Dichlorobenzene	146	14.683	14.683	(0.995)	260478	5.00000	5.07278
113 1,4-dichlorobenzene	146	14.770	14.770	(1.001)	290502	5.00000	4.86800
115 n-Butylbenzene	91	15.118	15.118	(1.025)	467182	5.00000	5.02466
116 1,2-Dichlorobenzene	146	15.153	15.153	(1.027)	214956	5.00000	4.92900
117 1,2-Dibromo-3-chloropropane	157	15.919	15.919	(1.079)	20887	5.00000	4.79912
118 1,2,4-Trichlorobenzene	180	16.685	16.685	(1.131)	160452	5.00000	4.93757
119 Hexachlorobutadiene	225	16.842	16.842	(1.142)	148649	5.00000	5.03476
120 Naphthalene	128	16.946	16.946	(1.149)	188073	5.00000	4.97727
121 1,2,3-Trichlorobenzene	180	17.190	17.190	(1.165)	124768	5.00000	4.82678

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: H4458.D

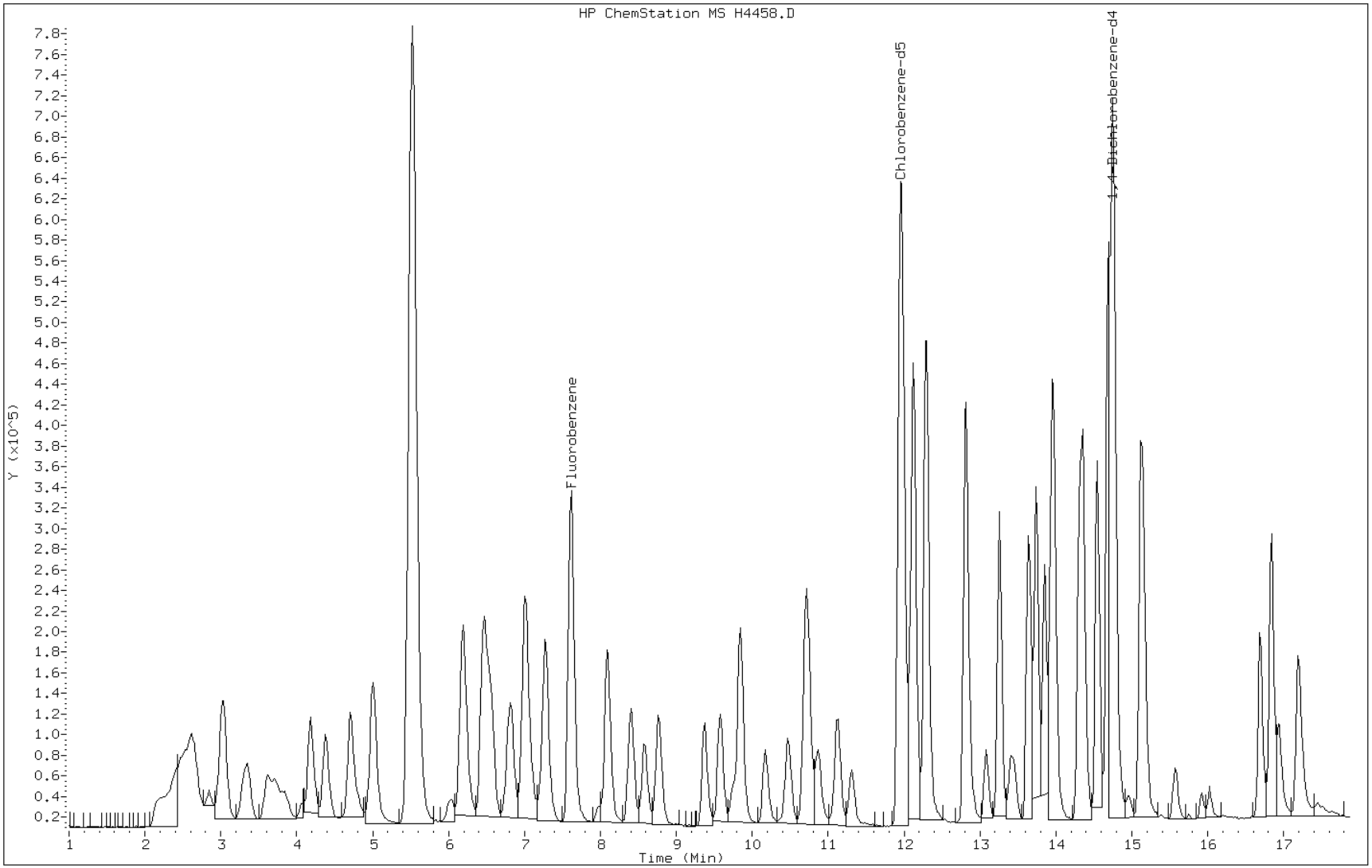
Date: 02-JUL-2012 13:37

Client ID: IC

Instrument: H.i

Sample Info: IC,,M5.0

Operator: MEIERG



Manual Integration Report

Data File: H4458.D
Inj. Date and Time: 02-JUL-2012 13:37
Instrument ID: H.i
Client ID: IC
Compound: 16 Ethanol
CAS #: 64-17-5
Report Date: 07/05/2012

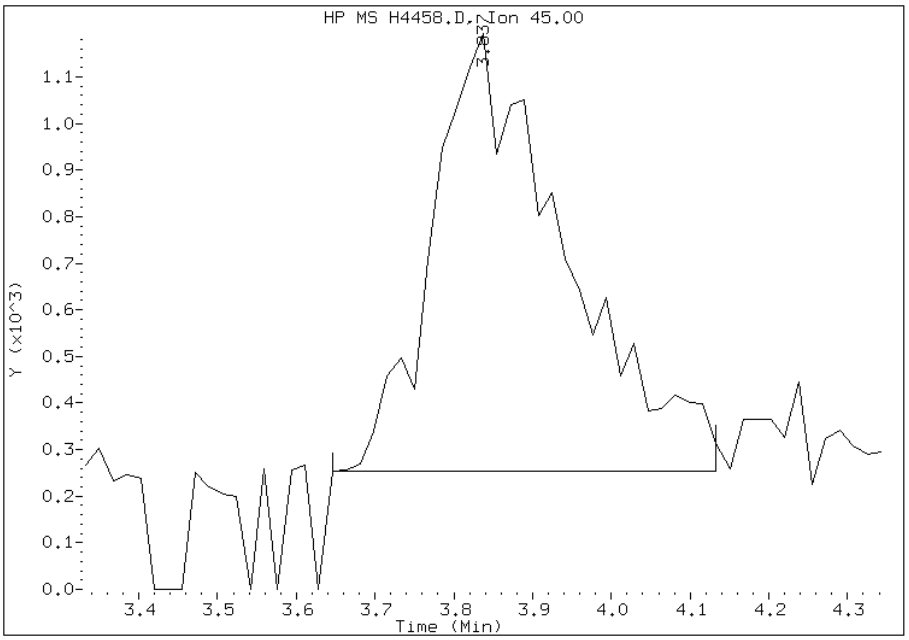
Processing Integration Results

RT: 3.84

Response: 11097

Amount: 205

Conc: 205



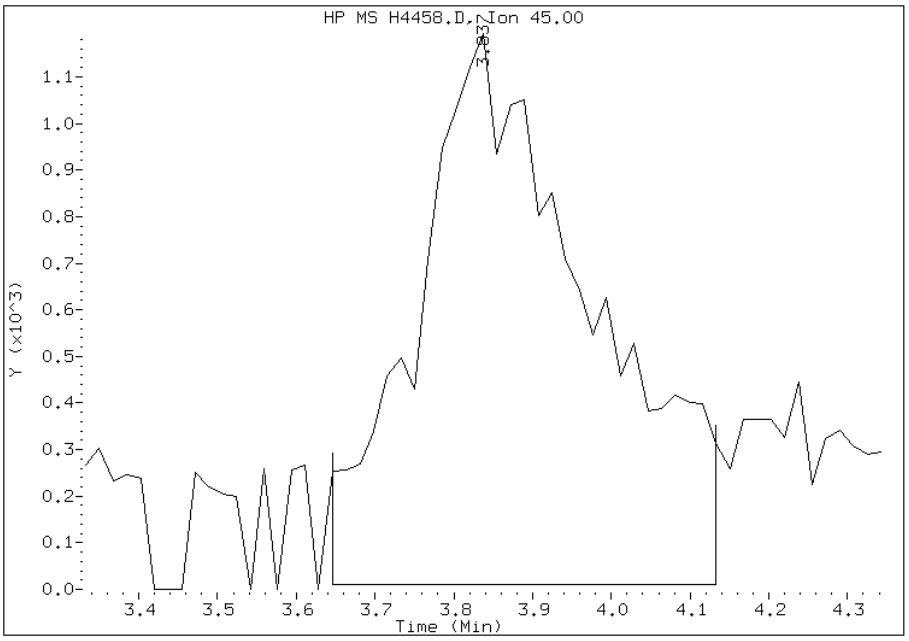
Manual Integration Results

RT: 3.84

Response: 18488

Amount: 277

Conc: 277



Manually Integrated By: meierg
Manual Integration Reason: Baseline Event

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4459.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 13:59
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,M10
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 16:58 Cal File: H4467.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	61	Fluorobenzene	96	7.609	7.609	(1.000)	970425	12.5000	
*	86	Chlorobenzene-d5	119	11.961	11.961	(1.000)	233907	12.5000	
*	112	1,4-Dichlorobenzene-d4	152	14.747	14.747	(1.000)	348578	12.5000	
M	1	1,2-Dichloroethene (total)	96				569913	20.0000	19.7149
M	2	Xylene (total)	106				1273450	30.0000	28.6672
M	3	1,3-Dichloropropene (total)	75				662016	20.0000	19.8826
M	4	Trihalomethanes (total)	83				1486968	40.0000	39.5013
	5	Chlorotrifluoroethene	116	2.612	2.612	(0.343)	178487	10.0000	9.25672
	6	dichlorodifluoromethane	85	2.647	2.647	(0.348)	371421	10.0000	10.1731
	8	Chloromethane	50	2.839	2.839	(0.373)	192067	10.0000	9.84208
	9	Vinyl Chloride	62	2.978	2.978	(0.391)	231979	10.0000	9.99810
	10	2-Chloro-1,1,1-trifluoroethane	118	3.013	3.013	(0.396)	404591	10.0000	9.76160
	12	Bromomethane	94	3.309	3.309	(0.435)	230631	10.0000	9.88442
	13	Chloroethane	64	3.361	3.361	(0.442)	161039	10.0000	9.86654
	15	Trichlorofluoromethane	101	3.605	3.605	(0.474)	473739	10.0000	9.79880(Q)
	16	Ethanol	45	3.814	3.814	(0.501)	29315	500.000	516.435
	20	Acrolein	56	4.057	4.057	(0.533)	118262	100.000	96.8155
	22	Acetone	43	4.231	4.231	(0.556)	70415	40.0000	39.7142
	21	1,1-Dichloroethene	96	4.179	4.179	(0.549)	238468	10.0000	9.59686
	25	Iodomethane	142	4.371	4.371	(0.574)	613382	10.0000	9.62976
	27	Acetonitrile	41	4.562	4.562	(0.600)	27354	100.000	83.8219(QH)
	31	tert-Butyl alcohol	59	4.806	4.806	(0.632)	188134	200.000	197.862

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
30	Methylene Chloride	84	4.702	4.702	(0.618)	278702	10.0000	9.97484
32	Acrylonitrile	53	4.980	4.980	(0.655)	225108	100.000	104.935
34	trans-1,2-Dichloroethene	96	4.998	4.998	(0.657)	285068	10.0000	9.79580
38	Isopropyl ether	87	5.520	5.520	(0.725)	1101058	50.0000	50.0629
36	1,1-Dichloroethane	63	5.485	5.485	(0.721)	505010	10.0000	10.1725
39	Chloroprene	53	5.589	5.589	(0.735)	315826	10.0000	9.78558
42	2-Butanone	43	6.181	6.181	(0.812)	153195	40.0000	42.3043
41	cis-1,2-Dichloroethene	96	6.181	6.181	(0.812)	284845	10.0000	9.91908
45	Propionitrile	54	6.286	6.286	(0.826)	85388	100.000	105.885
43	2,2-Dichloropropane	77	6.199	6.199	(0.815)	363559	10.0000	9.71657
47	Methacrylonitrile	41	6.443	6.443	(0.847)	489915	100.000	103.952
48	Bromochloromethane	128	6.477	6.477	(0.851)	162393	10.0000	10.3450
50	Chloroform	83	6.564	6.564	(0.863)	494084	10.0000	9.98899
52	1,1,1-Trichloroethane	97	6.808	6.808	(0.895)	448117	10.0000	9.96331
56	Isobutanol	41	7.104	7.104	(0.934)	52388	200.000	206.015(Q)
54	1,1-Dichloropropene	75	7.000	7.000	(0.920)	416518	10.0000	9.75390
55	Carbon Tetrachloride	117	7.017	7.017	(0.922)	444400	10.0000	9.76309
59	1,2-Dichloroethane	62	7.296	7.296	(0.959)	197313	10.0000	10.5214
58	Benzene	78	7.261	7.261	(0.954)	810060	10.0000	9.99047
62	n-Butanol	56	7.975	7.975	(1.048)	88403	300.000	304.727
63	Trichloroethene	95	8.096	8.096	(1.064)	336755	10.0000	9.61647
66	1,2-Dichloropropane	63	8.410	8.410	(1.105)	296805	10.0000	9.76247
69	1,4-Dioxane	88	8.584	8.584	(1.128)	50286	500.000	545.470
68	Dibromomethane	93	8.584	8.584	(1.128)	176824	10.0000	10.0295
70	Bromodichloromethane	83	8.758	8.758	(1.151)	429821	10.0000	10.0086
73	cis-1,3-Dichloropropene	75	9.367	9.367	(1.231)	384545	10.0000	9.97303
74	4-Methyl-2-pentanone	43	9.576	9.576	(1.259)	494660	40.0000	42.4422
76	Toluene	91	9.837	9.837	(1.293)	901665	10.0000	10.0258
77	trans-1,3-Dichloropropene	75	10.168	10.168	(1.336)	277471	10.0000	9.90954
79	1,1,2-Trichloroethane	97	10.482	10.482	(1.377)	185526	10.0000	9.95641
82	2-Hexanone	43	10.865	10.865	(0.908)	327737	40.0000	38.1564
81	1,3-Dichloropropane	76	10.760	10.760	(0.900)	302878	10.0000	9.92967
80	Tetrachloroethene	164	10.708	10.708	(0.895)	320341	10.0000	9.19122
83	Dibromochloromethane	129	11.126	11.126	(0.930)	366383	10.0000	9.60295
85	1,2-Dibromoethane	107	11.317	11.317	(0.946)	258670	10.0000	9.65054
87	1-Chlorohexane	91	11.944	11.944	(0.999)	451919	10.0000	9.57516
88	Chlorobenzene	112	11.996	11.996	(1.003)	688173	10.0000	9.91228
89	1,1,1,2-Tetrachloroethane	131	12.118	12.118	(1.013)	342663	10.0000	9.91512
90	Ethylbenzene	106	12.135	12.135	(1.015)	328087	10.0000	9.59982
91	m and p-Xylene	106	12.292	12.292	(1.028)	878986	20.0000	19.1480
92	o-Xylene	106	12.797	12.797	(1.070)	394464	10.0000	9.51923
93	Styrene	104	12.814	12.814	(1.071)	661856	10.0000	9.84012
94	Bromoform	173	13.093	13.093	(1.095)	196680	10.0000	9.90079
95	isopropyl benzene	105	13.250	13.250	(0.898)	1181297	10.0000	9.76919
97	Cyclohexanone	55	13.406	13.406	(1.121)	157081	400.000	422.703
99	1,1,2,2-Tetrachloroethane	83	13.633	13.633	(0.924)	248717	10.0000	10.1402
101	1,2,3-Trichloropropane	110	13.685	13.685	(0.928)	58608	10.0000	10.5301
100	Bromobenzene	156	13.650	13.650	(0.926)	311689	10.0000	9.76504
103	n-Propylbenzene	120	13.755	13.755	(0.933)	324387	10.0000	9.73960
104	2-Chlorotoluene	126	13.859	13.859	(0.940)	279836	10.0000	9.82756
105	1,3,5-Trimethylbenzene	105	13.946	13.946	(0.946)	867976	10.0000	9.71615
106	4-Chlorotoluene	126	13.981	13.981	(0.948)	304601	10.0000	9.67671
107	tert-Butylbenzene	119	14.312	14.312	(0.970)	1024221	10.0000	9.61818
108	1,2,4-Trimethylbenzene	105	14.364	14.364	(0.974)	831053	10.0000	9.69377

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 sec-Butylbenzene	134	14.555	14.555	(0.987)	270144	10.0000	9.44239
111 4-Isopropyltoluene	119	14.695	14.695	(0.996)	1125882	10.0000	9.59304
110 1,3-Dichlorobenzene	146	14.677	14.677	(0.995)	527399	10.0000	9.47901
113 1,4-dichlorobenzene	146	14.764	14.764	(1.001)	632405	10.0000	9.78014
115 n-Butylbenzene	91	15.112	15.112	(1.025)	976746	10.0000	9.69506
116 1,2-Dichlorobenzene	146	15.165	15.165	(1.028)	457307	10.0000	9.67756
117 1,2-Dibromo-3-chloropropane	157	15.931	15.931	(1.080)	46999	10.0000	9.96604
118 1,2,4-Trichlorobenzene	180	16.697	16.697	(1.132)	352564	10.0000	10.0128
119 Hexachlorobutadiene	225	16.836	16.836	(1.142)	311581	10.0000	9.73949
120 Naphthalene	128	16.940	16.940	(1.149)	432537	10.0000	10.5642
121 1,2,3-Trichlorobenzene	180	17.184	17.184	(1.165)	280426	10.0000	10.0120

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: H4459.D

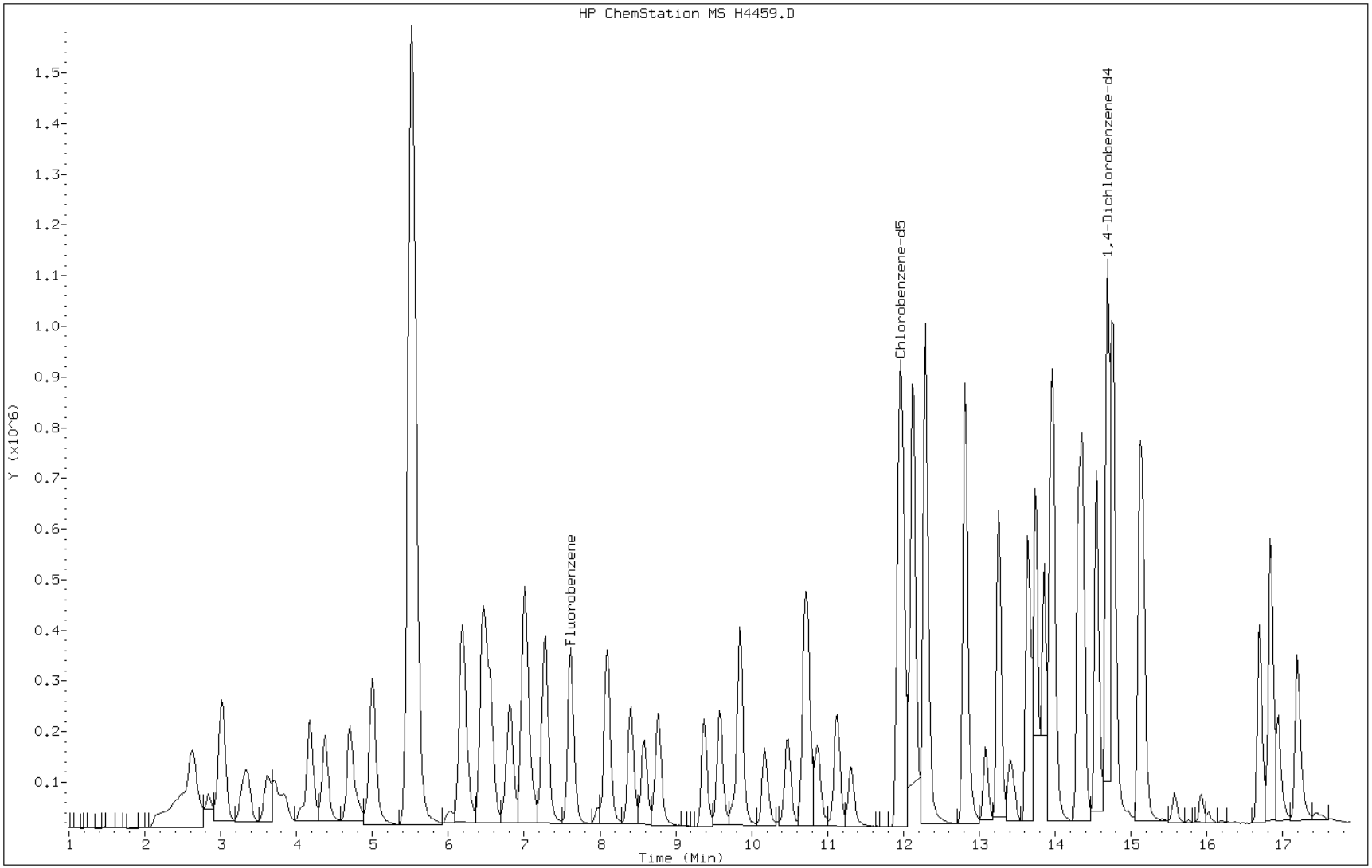
Date: 02-JUL-2012 13:59

Client ID: IC

Instrument: H.i

Sample Info: IC,,M10

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4460.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 14:21
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,M30
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 17:20 Cal File: H4468.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	61 Fluorobenzene	96	7.627	7.627	(1.000)	964639	12.5000	
*	86 Chlorobenzene-d5	119	11.962	11.962	(1.000)	220366	12.5000	
*	112 1,4-Dichlorobenzene-d4	152	14.748	14.748	(1.000)	312852	12.5000	
M	1 1,2-Dichloroethene (total)	96				1788471	60.0000	62.2384
M	2 Xylene (total)	106				3941291	90.0000	94.1122
M	3 1,3-Dichloropropene (total)	75				2094497	60.0000	63.1978
M	4 Trihalomethanes (total)	83				4667401	120.000	128.354
	5 Chlorotrifluoroethene	116	2.613	2.613	(0.343)	572975	30.0000	28.3133
	6 dichlorodifluoromethane	85	2.648	2.648	(0.347)	1121778	30.0000	30.9096
	8 Chloromethane	50	2.839	2.839	(0.372)	578569	30.0000	29.8254
	9 Vinyl Chloride	62	2.996	2.996	(0.393)	709761	30.0000	30.7736
	10 2-Chloro-1,1,1-trifluoroethane	118	3.031	3.031	(0.397)	1247400	30.0000	30.2766
	12 Bromomethane	94	3.327	3.327	(0.436)	692079	30.0000	29.8392
	13 Chloroethane	64	3.362	3.362	(0.441)	477797	30.0000	29.4492
	15 Trichlorofluoromethane	101	3.623	3.623	(0.475)	1418394	30.0000	29.5140
	16 Ethanol	45	3.832	3.832	(0.502)	75656	1500.00	1668.83
	20 Acrolein	56	4.075	4.075	(0.534)	352230	300.000	290.084
	22 Acetone	43	4.232	4.232	(0.555)	195745	120.000	111.063
	21 1,1-Dichloroethene	96	4.180	4.180	(0.548)	735543	30.0000	29.7786
	25 Iodomethane	142	4.371	4.371	(0.573)	1955993	30.0000	30.8922
	27 Acetonitrile	41	4.580	4.580	(0.601)	100646	300.000	294.890(H)
	31 tert-Butyl alcohol	59	4.824	4.824	(0.633)	624569	600.000	660.803

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
30 Methylene Chloride	84	4.702	4.702	(0.617)	765454	30.0000	30.4661
32 Acrylonitrile	53	4.981	4.981	(0.653)	712121	300.000	333.950
34 trans-1,2-Dichloroethene	96	5.016	5.016	(0.658)	896574	30.0000	30.9938
38 Isopropyl ether	87	5.538	5.538	(0.726)	3292009	150.000	150.579
36 1,1-Dichloroethane	63	5.486	5.486	(0.719)	1456423	30.0000	29.5130
39 Chloroprene	53	5.590	5.590	(0.733)	891042	30.0000	27.7737
42 2-Butanone	43	6.182	6.182	(0.811)	455596	120.000	126.566
41 cis-1,2-Dichloroethene	96	6.182	6.182	(0.811)	891897	30.0000	31.2446
45 Propionitrile	54	6.287	6.287	(0.824)	259656	300.000	323.917
43 2,2-Dichloropropane	77	6.199	6.199	(0.813)	1105918	30.0000	29.7343
47 Methacrylonitrile	41	6.461	6.461	(0.847)	1432793	300.000	305.840
48 Bromochloromethane	128	6.495	6.495	(0.852)	492105	30.0000	31.5369
50 Chloroform	83	6.565	6.565	(0.861)	1524549	30.0000	31.0070
52 1,1,1-Trichloroethane	97	6.826	6.826	(0.895)	1345560	30.0000	30.0963
56 Isobutanol	41	7.122	7.122	(0.934)	169086	600.000	668.917
54 1,1-Dichloropropene	75	7.000	7.000	(0.918)	1293224	30.0000	30.4660
55 Carbon Tetrachloride	117	7.035	7.035	(0.922)	1368916	30.0000	30.2543
59 1,2-Dichloroethane	62	7.296	7.296	(0.957)	573778	30.0000	30.7792
58 Benzene	78	7.279	7.279	(0.954)	2501806	30.0000	31.0398
62 n-Butanol	56	7.975	7.975	(1.046)	265544	900.000	920.827
63 Trichloroethene	95	8.097	8.097	(1.062)	1096513	30.0000	31.5001
66 1,2-Dichloropropane	63	8.410	8.410	(1.103)	943835	30.0000	31.2307
69 1,4-Dioxane	88	8.585	8.585	(1.126)	151158	1500.00	1649.50
68 Dibromomethane	93	8.585	8.585	(1.126)	545298	30.0000	31.1151
70 Bromodichloromethane	83	8.776	8.776	(1.151)	1350890	30.0000	31.6449
73 cis-1,3-Dichloropropene	75	9.368	9.368	(1.228)	1225193	30.0000	31.9655
74 4-Methyl-2-pentanone	43	9.577	9.577	(1.256)	1446072	120.000	124.818
76 Toluene	91	9.838	9.838	(1.290)	2749977	30.0000	30.7610
77 trans-1,3-Dichloropropene	75	10.169	10.169	(1.333)	869304	30.0000	31.2323
79 1,1,2-Trichloroethane	97	10.482	10.482	(1.374)	569023	30.0000	30.7203
82 2-Hexanone	43	10.865	10.865	(0.908)	977349	120.000	120.779
81 1,3-Dichloropropane	76	10.761	10.761	(0.900)	940075	30.0000	32.7136
80 Tetrachloroethene	164	10.709	10.709	(0.895)	1030684	30.0000	31.3895
83 Dibromochloromethane	129	11.126	11.126	(0.930)	1173159	30.0000	32.6381
85 1,2-Dibromoethane	107	11.318	11.318	(0.946)	802093	30.0000	31.7636
87 1-Chlorohexane	91	11.945	11.945	(0.999)	1332242	30.0000	29.9617
88 Chlorobenzene	112	11.997	11.997	(1.003)	2077921	30.0000	31.7690
89 1,1,1,2-Tetrachloroethane	131	12.119	12.119	(1.013)	1051325	30.0000	32.2899
90 Ethylbenzene	106	12.136	12.136	(1.015)	1028736	30.0000	31.9504
91 m and p-Xylene	106	12.293	12.293	(1.028)	2746096	60.0000	63.4973
92 o-Xylene	106	12.815	12.815	(1.071)	1195195	30.0000	30.6148
93 Styrene	104	12.833	12.833	(1.073)	1994045	30.0000	31.4681
94 Bromoform	173	13.094	13.094	(1.095)	618803	30.0000	33.0644
95 isopropyl benzene	105	13.250	13.250	(0.898)	3172250	30.0000	29.2299
97 Cyclohexanone	55	13.407	13.407	(1.121)	464984	1200.00	1328.15
99 1,1,2,2-Tetrachloroethane	83	13.633	13.633	(0.924)	657161	30.0000	29.8521
101 1,2,3-Trichloropropane	110	13.703	13.703	(0.929)	152562	30.0000	30.5410
100 Bromobenzene	156	13.651	13.651	(0.926)	924771	30.0000	32.2811
103 n-Propylbenzene	120	13.755	13.755	(0.933)	952992	30.0000	31.8807
104 2-Chlorotoluene	126	13.860	13.860	(0.940)	839675	30.0000	32.8560
105 1,3,5-Trimethylbenzene	105	13.947	13.947	(0.946)	2581726	30.0000	32.2001
106 4-Chlorotoluene	126	13.982	13.982	(0.948)	903802	30.0000	31.9912
107 tert-Butylbenzene	119	14.312	14.312	(0.970)	3067121	30.0000	32.0916
108 1,2,4-Trimethylbenzene	105	14.365	14.365	(0.974)	2427589	30.0000	31.5500

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
109 sec-Butylbenzene	134	14.556	14.556	(0.987)	833221	30.0000	32.4495
111 4-Isopropyltoluene	119	14.695	14.695	(0.996)	3277973	30.0000	31.1193
110 1,3-Dichlorobenzene	146	14.678	14.678	(0.995)	1597516	30.0000	31.9912
113 1,4-dichlorobenzene	146	14.782	14.782	(1.002)	1760692	30.0000	30.3385
115 n-Butylbenzene	91	15.113	15.113	(1.025)	2844005	30.0000	31.4528
116 1,2-Dichlorobenzene	146	15.165	15.165	(1.028)	1331660	30.0000	31.3987
117 1,2-Dibromo-3-chloropropane	157	15.931	15.931	(1.080)	142768	30.0000	33.7307
118 1,2,4-Trichlorobenzene	180	16.697	16.697	(1.132)	1026006	30.0000	32.4659
119 Hexachlorobutadiene	225	16.837	16.837	(1.142)	823223	30.0000	28.6711
120 Naphthalene	128	16.941	16.941	(1.149)	1065817	30.0000	29.0039
121 1,2,3-Trichlorobenzene	180	17.185	17.185	(1.165)	734739	30.0000	29.2278

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: H4460.D

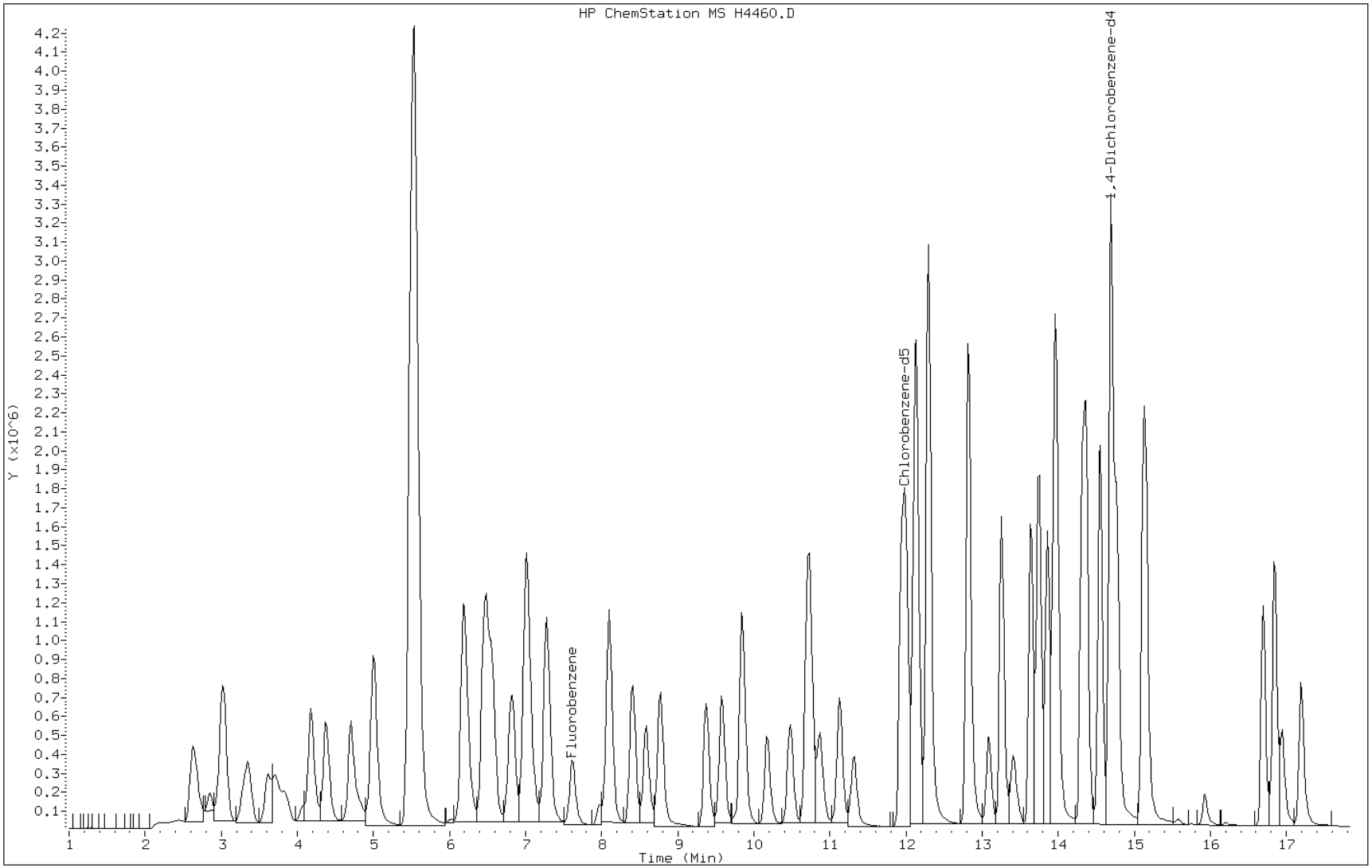
Date: 02-JUL-2012 14:21

Client ID: IC

Instrument: H.i

Sample Info: IC,,M30

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4461.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 14:44
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,M60
Misc Info :
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Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:03 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)	
*	61 Fluorobenzene	96	7.627	7.614	(1.000)	925816	12.5000		
*	86 Chlorobenzene-d5	119	11.962	11.966	(1.000)	185972	12.5000		
*	112 1,4-Dichlorobenzene-d4	152	14.765	14.752	(1.000)	292290	12.5000		(Q)
M	1 1,2-Dichloroethene (total)	96				3022199	120.000	109.571	
M	2 Xylene (total)	106				6489798	180.000	183.924	
M	3 1,3-Dichloropropene (total)	75				3894011	120.000	122.395	
M	4 Trihalomethanes (total)	83				8541482	240.000	257.657	
	5 Chlorotrifluoroethene	116	2.613	2.613	(0.343)	1226257	60.0000	62.2640(A)	
	6 dichlorodifluoromethane	85	2.648	2.648	(0.347)	2310925	60.0000	66.3456(A)	
	8 Chloromethane	50	2.857	2.857	(0.375)	1166283	60.0000	62.6434(A)	
	9 Vinyl Chloride	62	2.996	2.996	(0.393)	1443528	60.0000	65.2126(A)	
	10 2-Chloro-1,1,1-trifluoroethane	118	3.031	3.031	(0.397)	2538513	60.0000	64.1980(A)	
	12 Bromomethane	94	3.327	3.327	(0.436)	1347105	60.0000	60.5163(A)	
	13 Chloroethane	64	3.379	3.379	(0.443)	960272	60.0000	61.6688(A)	
	15 Trichlorofluoromethane	101	3.623	3.623	(0.475)	2746859	60.0000	59.5535(M)	
	16 Ethanol	45	3.849	3.849	(0.505)	120183	3000.00	2896.82	
	20 Acrolein	56	4.075	4.075	(0.534)	695183	600.000	596.535	
	22 Acetone	43	4.249	4.249	(0.557)	373348	240.000	220.715	
	21 1,1-Dichloroethene	96	4.180	4.180	(0.548)	1435538	60.0000	60.5551(A)	
	25 Iodomethane	142	4.389	4.389	(0.575)	3928084	60.0000	64.6402(A)	
	27 Acetonitrile	41	4.598	4.598	(0.603)	203760	600.000	615.733(AM)	
	31 tert-Butyl alcohol	59	4.841	4.841	(0.635)	1093589	1200.00	1205.55(A)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
30	Methylene Chloride	84	4.702	4.702	(0.617)	1402757	60.0000	59.6719
32	Acrylonitrile	53	4.981	4.981	(0.653)	1183732	600.000	578.390
34	trans-1,2-Dichloroethene	96	4.998	4.998	(0.655)	1537663	60.0000	55.3847
38	Isopropyl ether	87	5.538	5.538	(0.726)	6228304	300.000	296.834
36	1,1-Dichloroethane	63	5.520	5.520	(0.724)	2667331	60.0000	56.3174
39	Chloroprene	53	5.607	5.607	(0.735)	1713348	60.0000	55.6444
42	2-Butanone	43	6.164	6.164	(0.808)	652743	240.000	188.938
41	cis-1,2-Dichloroethene	96	6.182	6.182	(0.811)	1484536	60.0000	54.1864
45	Propionitrile	54	6.304	6.304	(0.827)	440086	600.000	572.023
43	2,2-Dichloropropane	77	6.199	6.199	(0.813)	1703764	60.0000	47.7293
47	Methacrylonitrile	41	6.460	6.460	(0.847)	2615711	600.000	581.755
48	Bromochloromethane	128	6.495	6.495	(0.852)	950645	60.0000	63.4775(A)
50	Chloroform	83	6.565	6.565	(0.861)	2796903	60.0000	59.2701
52	1,1,1-Trichloroethane	97	6.826	6.826	(0.895)	2641071	60.0000	61.5502(A)
56	Isobutanol	41	7.122	7.122	(0.934)	315927	1200.00	1302.24(A)
54	1,1-Dichloropropene	75	7.000	7.000	(0.918)	2384383	60.0000	58.5272
55	Carbon Tetrachloride	117	7.035	7.035	(0.922)	2524713	60.0000	58.1383
59	1,2-Dichloroethane	62	7.296	7.296	(0.957)	937815	60.0000	52.4168
58	Benzene	78	7.261	7.261	(0.952)	4370469	60.0000	56.4981
62	n-Butanol	56	7.975	7.975	(1.046)	473329	1800.00	1710.19(A)
63	Trichloroethene	95	8.097	8.097	(1.062)	1983057	60.0000	59.3573
66	1,2-Dichloropropane	63	8.410	8.410	(1.103)	1759263	60.0000	60.6536(A)
69	1,4-Dioxane	88	8.602	8.602	(1.128)	268902	3000.00	3057.42(A)
68	Dibromomethane	93	8.584	8.584	(1.126)	1025331	60.0000	60.9595(A)
70	Bromodichloromethane	83	8.776	8.776	(1.151)	2510915	60.0000	61.2852(A)
73	cis-1,3-Dichloropropene	75	9.368	9.368	(1.228)	2280509	60.0000	61.9939(A)
74	4-Methyl-2-pentanone	43	9.577	9.577	(1.256)	2210502	240.000	198.801
76	Toluene	91	9.855	9.855	(1.292)	4454490	60.0000	51.9170
77	trans-1,3-Dichloropropene	75	10.169	10.169	(1.333)	1613502	60.0000	60.4008(A)
79	1,1,2-Trichloroethane	97	10.482	10.482	(1.374)	1062872	60.0000	59.7883
82	2-Hexanone	43	10.865	10.865	(0.908)	1716172	240.000	251.303(A)
81	1,3-Dichloropropane	76	10.761	10.761	(0.900)	1706688	60.0000	70.3748(A)
80	Tetrachloroethene	164	10.708	10.708	(0.895)	2014537	60.0000	72.6995(A)
83	Dibromochloromethane	129	11.126	11.126	(0.930)	2228657	60.0000	73.4697(A)
85	1,2-Dibromoethane	107	11.318	11.318	(0.946)	1506540	60.0000	70.6939(A)
87	1-Chlorohexane	91	11.944	11.944	(0.999)	2285167	60.0000	60.8974(A)
88	Chlorobenzene	112	12.014	12.014	(1.004)	3388912	60.0000	61.3948(A)
89	1,1,1,2-Tetrachloroethane	131	12.118	12.118	(1.013)	1730002	60.0000	62.9612(A)
90	Ethylbenzene	106	12.136	12.136	(1.015)	1640144	60.0000	60.3604(A)
91	m and p-Xylene	106	12.293	12.293	(1.028)	4421125	120.000	121.135(A)
92	o-Xylene	106	12.815	12.815	(1.071)	2068673	60.0000	62.7888(A)
93	Styrene	104	12.832	12.832	(1.073)	3283917	60.0000	61.4079(A)
94	Bromoform	173	13.093	13.093	(1.095)	1005007	60.0000	63.6318(A)
95	isopropyl benzene	105	13.268	13.268	(0.899)	5871834	60.0000	57.9108
97	Cyclohexanone	55	13.407	13.407	(1.121)	601030	2400.00	2034.24
99	1,1,2,2-Tetrachloroethane	83	13.633	13.633	(0.923)	1203517	60.0000	58.5167
101	1,2,3-Trichloropropane	110	13.685	13.685	(0.927)	258072	60.0000	55.2972
100	Bromobenzene	156	13.651	13.651	(0.925)	1705299	60.0000	63.7146(A)
103	n-Propylbenzene	120	13.755	13.755	(0.932)	1574680	60.0000	56.3840
104	2-Chlorotoluene	126	13.859	13.859	(0.939)	1363658	60.0000	57.1128
105	1,3,5-Trimethylbenzene	105	13.946	13.946	(0.945)	4233032	60.0000	56.5098
106	4-Chlorotoluene	126	13.981	13.981	(0.947)	1542605	60.0000	58.4436
107	tert-Butylbenzene	119	14.312	14.312	(0.969)	5078659	60.0000	56.8767
108	1,2,4-Trimethylbenzene	105	14.364	14.364	(0.973)	4017319	60.0000	55.8838

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 sec-Butylbenzene	134	14.556	14.556	(0.986)	1407053	60.0000	58.6520
111 4-Isopropyltoluene	119	14.695	14.695	(0.995)	5613254	60.0000	57.0380
110 1,3-Dichlorobenzene	146	14.695	14.695	(0.995)	2732028	60.0000	58.5592
113 1,4-dichlorobenzene	146	14.782	14.782	(1.001)	3364923	60.0000	62.0599(A)
115 n-Butylbenzene	91	15.113	15.113	(1.024)	4659714	60.0000	55.1587
116 1,2-Dichlorobenzene	146	15.165	15.165	(1.027)	2303951	60.0000	58.1456
117 1,2-Dibromo-3-chloropropane	157	15.931	15.931	(1.079)	232777	60.0000	58.8654
118 1,2,4-Trichlorobenzene	180	16.697	16.697	(1.131)	1730209	60.0000	58.6004
119 Hexachlorobutadiene	225	16.854	16.854	(1.141)	1598882	60.0000	59.6030
120 Naphthalene	128	16.941	16.941	(1.147)	2027642	60.0000	59.0596
121 1,2,3-Trichlorobenzene	180	17.185	17.185	(1.164)	1462674	60.0000	62.2782(A)

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: H4461.D

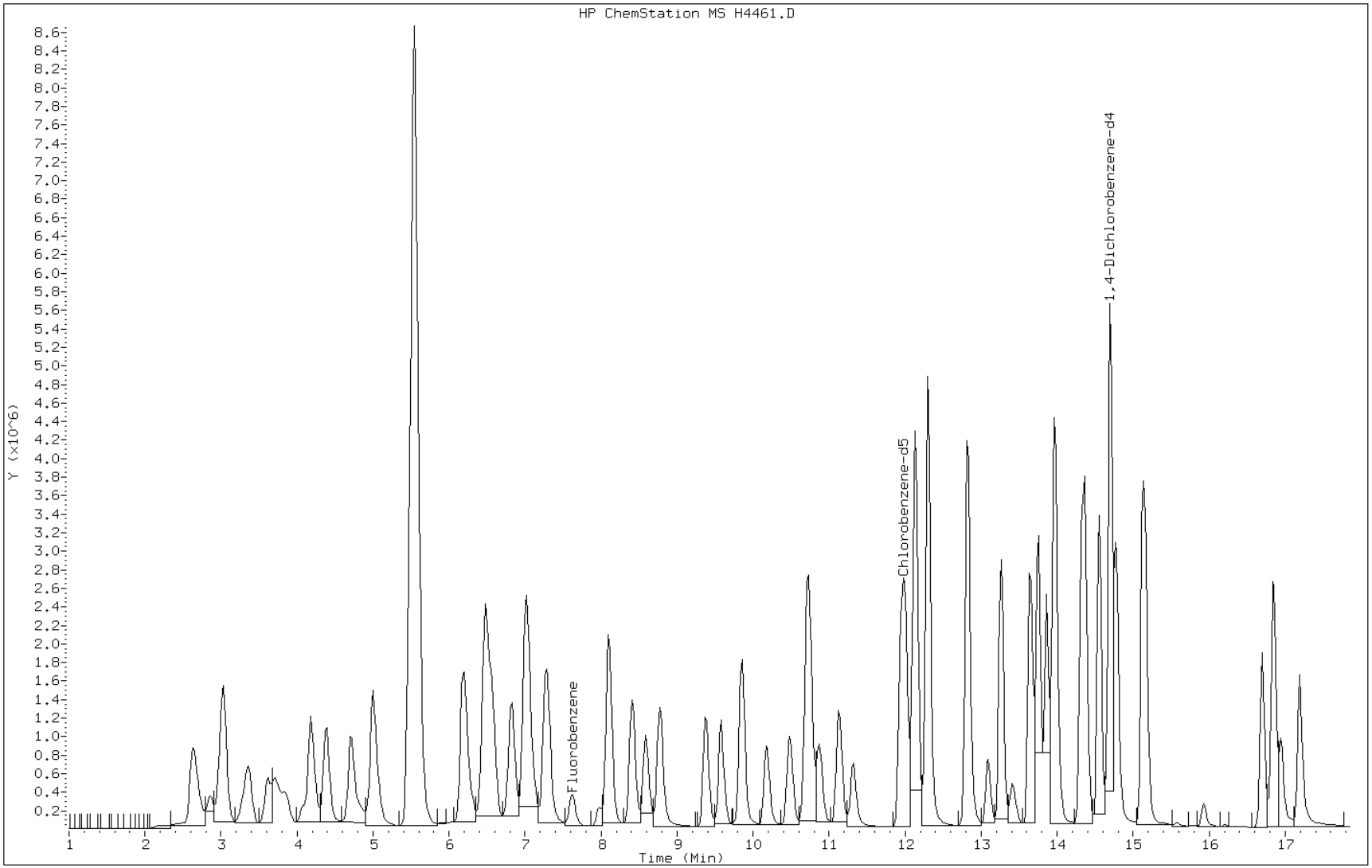
Date: 02-JUL-2012 14:44

Client ID: IC

Instrument: H.i

Sample Info: IC,,M60

Operator: MEIERG



Manual Integration Report

Data File: H4461.D
Inj. Date and Time: 02-JUL-2012 14:44
Instrument ID: H.i
Client ID: IC
Compound: 15 Trichlorofluoromethane
CAS #: 75-69-4
Report Date: 07/05/2012

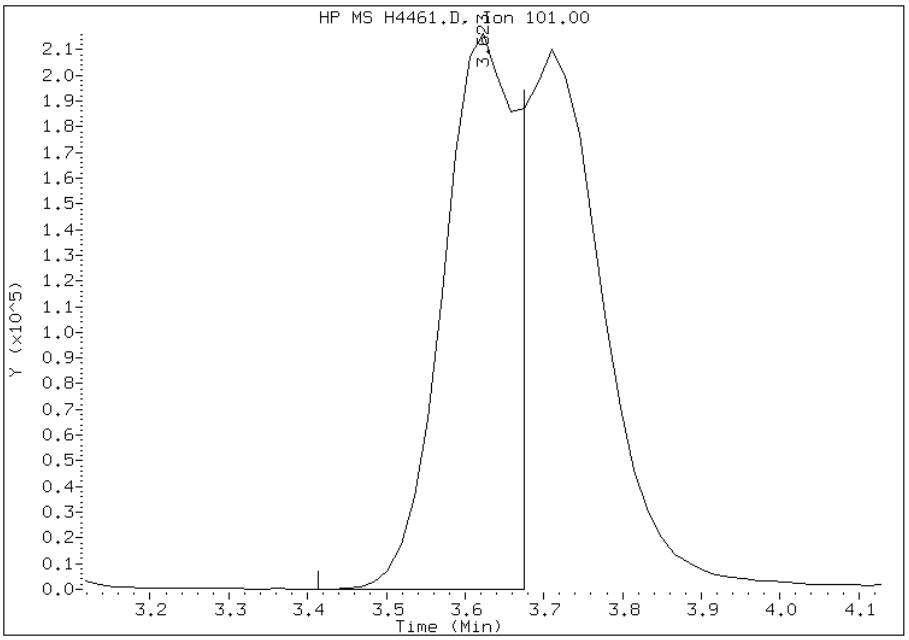
Processing Integration Results

RT: 3.62

Response: 1474389

Amount: 34

Conc: 34



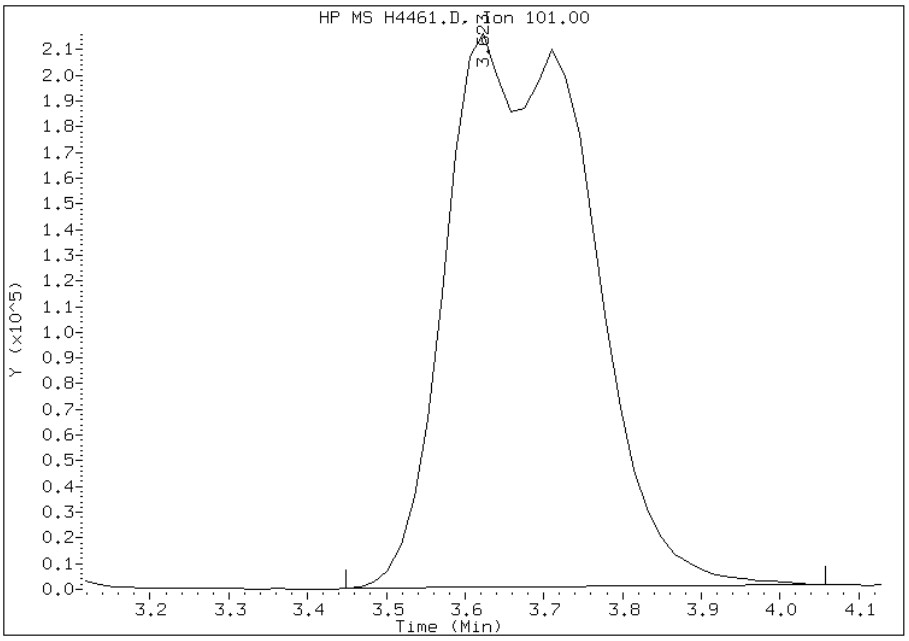
Manual Integration Results

RT: 3.62

Response: 2746859

Amount: 60

Conc: 60



Manually Integrated By: meierg
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: H4461.D
Inj. Date and Time: 02-JUL-2012 14:44
Instrument ID: H.i
Client ID: IC
Compound: 27 Acetonitrile
CAS #: 75-05-8
Report Date: 07/05/2012

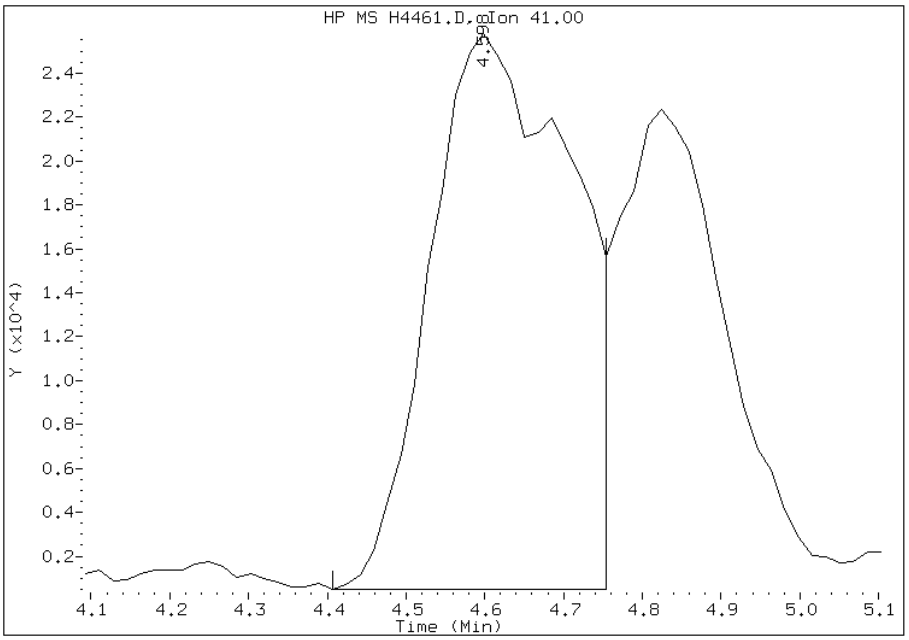
Processing Integration Results

RT: 4.60

Response: 322634

Amount: 993

Conc: 993



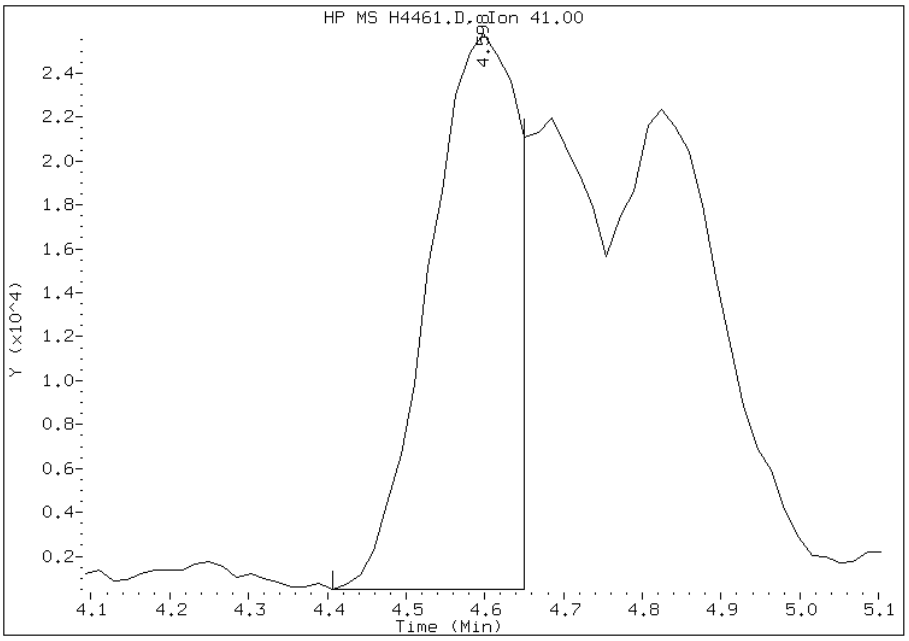
Manual Integration Results

RT: 4.60

Response: 203760

Amount: 616

Conc: 616



Manually Integrated By: meierg
Manual Integration Reason: Mis-Integrated

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30425-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 16:13 Calibration End Date: 07/02/2012 18:04 Calibration ID: 9916

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-126680/12	H4465.D
Level 2	IC 280-126680/13	H4466.D
Level 3	IC 280-126680/14	H4467.D
Level 4	ICIS 280-126680/15	H4468.D
Level 5	IC 280-126680/16	H4469.D
Level 6	IC 280-126680/17	H4470.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorofluoromethane	0.6983 +++++	0.7051	0.6650	0.6534	0.6506	Ave		0.6745				3.8		15.0			
Ethyl ether	0.1641 +++++	0.2208	0.2022	0.2020	0.2059	Ave		0.1990				10.5		15.0			
2,2-Dichloro-1,1,1-trifluoroethane	0.8441 1.0312	0.8223	0.7903	0.7689	0.7704	Ave		0.8379				11.8		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.4318 +++++	0.4365	0.4142	0.4131	0.4202	Ave		0.4232				2.5		15.0			
Isopropyl alcohol	0.0096 +++++	0.0076	0.0069	0.0058	0.0055	Lin2	-1.170	0.0056							0.9956		0.9900
Carbon disulfide	1.0236 1.3581	1.0189	0.9691	0.9633	0.9695	Ave		1.0504				14.6		15.0			
Allyl chloride	0.3870 0.5159	0.3974	0.3779	0.3772	0.3830	Ave		0.4064				13.3		15.0			
Methyl acetate	0.0872 0.1157	0.0989	0.0857	0.0874	0.0841	Ave		0.0932				13.1		15.0			
Methyl tert-butyl ether	0.5907 0.7413	0.6082	0.5598	0.5630	0.5529	Ave		0.6027				11.8		15.0			
Hexane	2.0049 2.1836	1.9912	1.9344	1.8874	1.9015	Ave		1.9838				5.5		15.0			
Vinyl acetate	0.2844 0.2253	0.2572	0.2387	0.2422	0.2574	Lin2	-0.030	0.2376							0.9969		0.9900
Tert-butyl ethyl ether	1.0109 0.9771	1.0416	0.9594	0.9656	0.7458	Ave		0.9501				11.0		15.0			
Ethyl acetate	+++++ 0.1506	0.1227	0.1187	0.1177	0.1160	Ave		0.1251				11.5		15.0			
2-Butanol	+++++ 0.0125	0.0112	0.0097	0.0098	0.0095	Ave		0.0105				12.2		15.0			
Tetrahydrofuran	0.0410 +++++	0.0281	0.0248	0.0278	0.0262	Lin1	-0.065	0.0258							0.9958		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30425-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 16:13 Calibration End Date: 07/02/2012 18:04 Calibration ID: 9916

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexane	0.5809 0.5708	0.5561	0.5413	0.5486	0.5222	Ave		0.5533				3.8		15.0			
Tert-amyl methyl ether	0.7466 0.7751	0.7824	0.7214	0.7434	0.5917	Ave		0.7268				9.6		15.0			
2-Pentanone	0.1082 0.1002	0.1207	0.1119	0.1115	0.1006	Ave		0.1089				7.1		15.0			
Methylcyclohexane	0.4911 0.4391	0.5050	0.5024	0.4774	0.4642	Ave		0.4799				5.3		15.0			
Methyl methacrylate	+++++ 0.0645	0.0721	0.0602	0.0606	0.0582	Ave		0.0631				8.7		15.0			
2-Nitropropane	0.0243 +++++	0.0417	0.0302	0.0316	0.0260	Lin	-0.078	0.0256							0.9943		
2-Chloroethyl vinyl ether	+++++ 0.1128	0.1023	0.1038	0.1055	0.1092	Ave		0.1067				4.0		15.0			
Ethyl methacrylate	1.3378 1.3468	1.4034	1.2019	1.2641	1.2286	Ave		1.2971				6.0		15.0			
cis-1,4-Dichloro-2-butene	+++++ 0.0726	0.1060	0.0985	0.1025	0.0958	Ave		0.0951				13.8		15.0			
trans-1,4-Dichloro-2-butene	+++++ 0.1176	0.1412	0.1199	0.1204	0.1097	Ave		0.1218				9.6		15.0			
Dibromofluoromethane (Surr)	+++++ 0.7970	0.7343	0.6712	0.6352	0.6006	Ave		0.6877				11.4		15.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2299	0.2809	0.2542	0.2482	0.2271	Ave		0.2481				8.7		15.0			
Toluene-d8 (Surr)	+++++ 4.5714	5.3896	4.9440	4.8187	3.9955	Ave		4.7438				10.8		15.0			
4-Bromofluorobenzene (Surr)	+++++ 1.2572	1.8226	1.6523	1.5856	1.4508	Ave		1.5537				13.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30425-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 16:13 Calibration End Date: 07/02/2012 18:04 Calibration ID: 9916

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-126680/12	H4465.D
Level 2	IC 280-126680/13	H4466.D
Level 3	IC 280-126680/14	H4467.D
Level 4	ICIS 280-126680/15	H4468.D
Level 5	IC 280-126680/16	H4469.D
Level 6	IC 280-126680/17	H4470.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorofluoromethane	FB	Ave	56005 +++++	115735	271290	540889	1609587	1.00 +++++	2.00	5.00	10.0	30.0
Ethyl ether	FB	Ave	13164 +++++	36251	82487	167203	509347	1.00 +++++	2.00	5.00	10.0	30.0
2,2-Dichloro-1,1,1-trifluoroethane	FB	Ave	67699 3709622	134984	322378	636557	1906196	1.00 60.0	2.00	5.00	10.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	34633 +++++	71655	168952	342017	1039551	1.00 +++++	2.00	5.00	10.0	30.0
Isopropyl alcohol	FB	Lin2	15370 +++++	24900	55920	95334	270131	20.0 +++++	40.0	100	200	600
Carbon disulfide	FB	Ave	82094 4885473	167246	395314	797477	2398685	1.00 60.0	2.00	5.00	10.0	30.0
Allyl chloride	FB	Ave	31035 1855795	65239	154156	312266	947650	1.00 60.0	2.00	5.00	10.0	30.0
Methyl acetate	FB	Ave	34971 2081008	81210	174722	361909	1040565	5.00 300	10.0	25.0	50.0	150
Methyl tert-butyl ether	FB	Ave	47375 2666443	99842	228353	466100	1367989	1.00 60.0	2.00	5.00	10.0	30.0
Hexane	CBZ	Ave	40287 2023197	82333	198270	387077	1167524	1.00 60.0	2.00	5.00	10.0	30.0
Vinyl acetate	FB	Lin2	45620 1620964	84431	194751	401071	1273944	2.00 120	4.00	10.0	20.0	60.0
Tert-butyl ethyl ether	FB	Ave	405371 17573441	854902	1956953	3996819	9226675	5.00 300	10.0	25.0	50.0	150
Ethyl acetate	FB	Ave	+++++ 1083247	40288	96806	194929	574201	+++++ 120	4.00	10.0	20.0	60.0
2-Butanol	FB	Ave	+++++ 1344539	55077	118393	242966	703379	+++++ 1800	60.0	150	300	900
Tetrahydrofuran	FB	Lin1	6583 +++++	9218	20241	46011	129684	2.00 +++++	4.00	10.0	20.0	60.0
Cyclohexane	FB	Ave	46584 2053413	91287	220804	454147	1291994	1.00 60.0	2.00	5.00	10.0	30.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30425-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 16:13 Calibration End Date: 07/02/2012 18:04 Calibration ID: 9916

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Tert-amyl methyl ether	FB	Ave	299375 13941692	642116	1471407	3077045	7320420	5.00 300	10.0	25.0	50.0	150
2-Pentanone	FB	Ave	34718 1442445	79275	182665	369388	995492	4.00 240	8.00	20.0	40.0	120
Methylcyclohexane	FB	Ave	39388 1579390	82889	204940	395203	1148571	1.00 60.0	2.00	5.00	10.0	30.0
Methyl methacrylate	FB	Ave	+++++ 464375	23665	49130	100258	287825	+++++ 120	4.00	10.0	20.0	60.0
2-Nitropropane	FB	Lin	1945 +++++	6837	12321	26140	64322	1.00 +++++	2.00	5.00	10.0	30.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 405887	16790	42358	87366	270108	+++++ 60.0	2.00	5.00	10.0	30.0
Ethyl methacrylate	CBZ	Ave	53766 2495692	116057	246386	518515	1508804	2.00 120	4.00	10.0	20.0	60.0
cis-1,4-Dichloro-2-butene	DCB	Ave	+++++ 119076	6488	14714	30841	86705	+++++ 60.0	2.00	5.00	10.0	30.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 192930	8641	17921	36227	99300	+++++ 60.0	2.00	5.00	10.0	30.0
Dibromofluoromethane (Surr)	FB	Ave	+++++ 2866986	120532	273794	525847	1486024	+++++ 60.0	2.00	5.00	10.0	30.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 827144	46106	103713	205434	561898	+++++ 60.0	2.00	5.00	10.0	30.0
Toluene-d8 (Surr)	CBZ	Ave	+++++ 4235638	222855	506748	988258	2453266	+++++ 60.0	2.00	5.00	10.0	30.0
4-Bromofluorobenzene (Surr)	DCB	Ave	+++++ 2062152	111509	246881	476946	1313171	+++++ 60.0	2.00	5.00	10.0	30.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4465.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 16:13
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,S1.0
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.611	7.611	(1.000)	1002479	12.5000	
* 86 Chlorobenzene-d5	119	11.963	11.963	(1.000)	251180	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.749	14.749	(1.000)	356362	12.5000	(Q)
$ 51 Dibromofluoromethane (Surr)	111	6.775	6.775	(0.890)	73175	1.00000	1.32687
$ 57 1,2-Dichloroethane-d4	65	7.210	7.210	(0.947)	27732	1.00000	1.39397
$ 75 Toluene-d8	98	9.752	9.752	(0.815)	137222	1.00000	1.43952
$ 98 4-Bromofluorobenzene (Surr)	95	13.461	13.461	(0.913)	69612	1.00000	1.57157
7 1,2-Dichlorotetrafluoroethane	85	2.806	2.806	(0.369)	39748	1.00000	0.915093(a)
11 Ethylene Oxide	43	Compound Not Detected.					
14 Dichlorofluoromethane	67	3.607	3.607	(0.474)	56005	1.00000	1.03538(a)
18 1,2-dichloro-1,1,2-trifluoro	117	3.920	3.920	(0.515)	41746	1.00000	0.974999(a)
17 Ethyl Ether	59	3.903	3.903	(0.513)	13164	1.00000	0.824814(a)
19 2,2-dichloro-1,1,1-trifluoro	83	3.972	3.972	(0.522)	67699	1.00000	1.00746(a)
23 Trichlorotrifluoroethane	151	4.216	4.216	(0.554)	34633	1.00000	1.02050(a)
24 2-propanol	45	4.355	4.355	(0.572)	15370	20.0000	19.7988(a)
28 Methyl Acetate	43	4.564	4.564	(0.600)	34971	5.00000	4.67981(a)
29 Allyl Chloride	41	4.564	4.564	(0.600)	31035	1.00000	0.952199(a)
26 Carbon Disulfide	76	4.460	4.460	(0.586)	82094	1.00000	0.974506(a)
33 Methyl t-butyl ether	73	4.999	4.999	(0.657)	47375	1.00000	0.980201(aQ)
35 Hexane	57	5.261	5.261	(0.440)	40287	1.00000	1.01062(a)
37 Vinyl acetate	43	5.504	5.504	(0.723)	45620	2.00000	2.02061(a)
40 ETBE	59	5.957	5.957	(0.783)	405371	5.00000	5.32019

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44	Ethyl Acetate	43	6.218	6.218	(0.817)	18936	2.00000	1.88677(aQ)
46	2-Butanol	45	6.392	6.392	(0.840)	21703	30.0000	25.7353
49	Tetrahydrofuran	42	6.549	6.549	(0.860)	6583	2.00000	2.37814(a)
53	Cyclohexane	56	6.880	6.880	(0.904)	46584	1.00000	1.04979(a)
60	TAME	73	7.385	7.385	(0.970)	299375	5.00000	5.13634
64	2-Pentanone	43	8.325	8.325	(1.094)	34718	4.00000	3.97587(a)
65	Methyl Cyclohexane	55	8.360	8.360	(1.098)	39388	1.00000	1.02349
67	Methyl Methacrylate	100	8.516	8.516	(1.119)	12317	2.00000	2.43342(a)
72	2-Chloroethyl vinyl ether	63	9.160	9.160	(1.204)	9035	1.00000	1.05552(a)
78	Ethyl methacrylate	69	10.275	10.275	(0.859)	53766	2.00000	2.06279(a)
84	Tetrahydrothiophene	60	11.093	11.093	(0.927)	7741	1.00000	0.970167(a)
96	cis-1,4-dichloro-2-butene	53	13.356	13.356	(0.906)	2815	1.00000	1.03841(a)
102	t-1,4-Dichloro-2-butene	53	13.687	13.687	(0.928)	3292	1.00000	0.948140(a)
114	1,2,3-Trimethylbenzene	105	14.818	14.818	(1.005)	79130	1.00000	1.03830

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: H4465.D

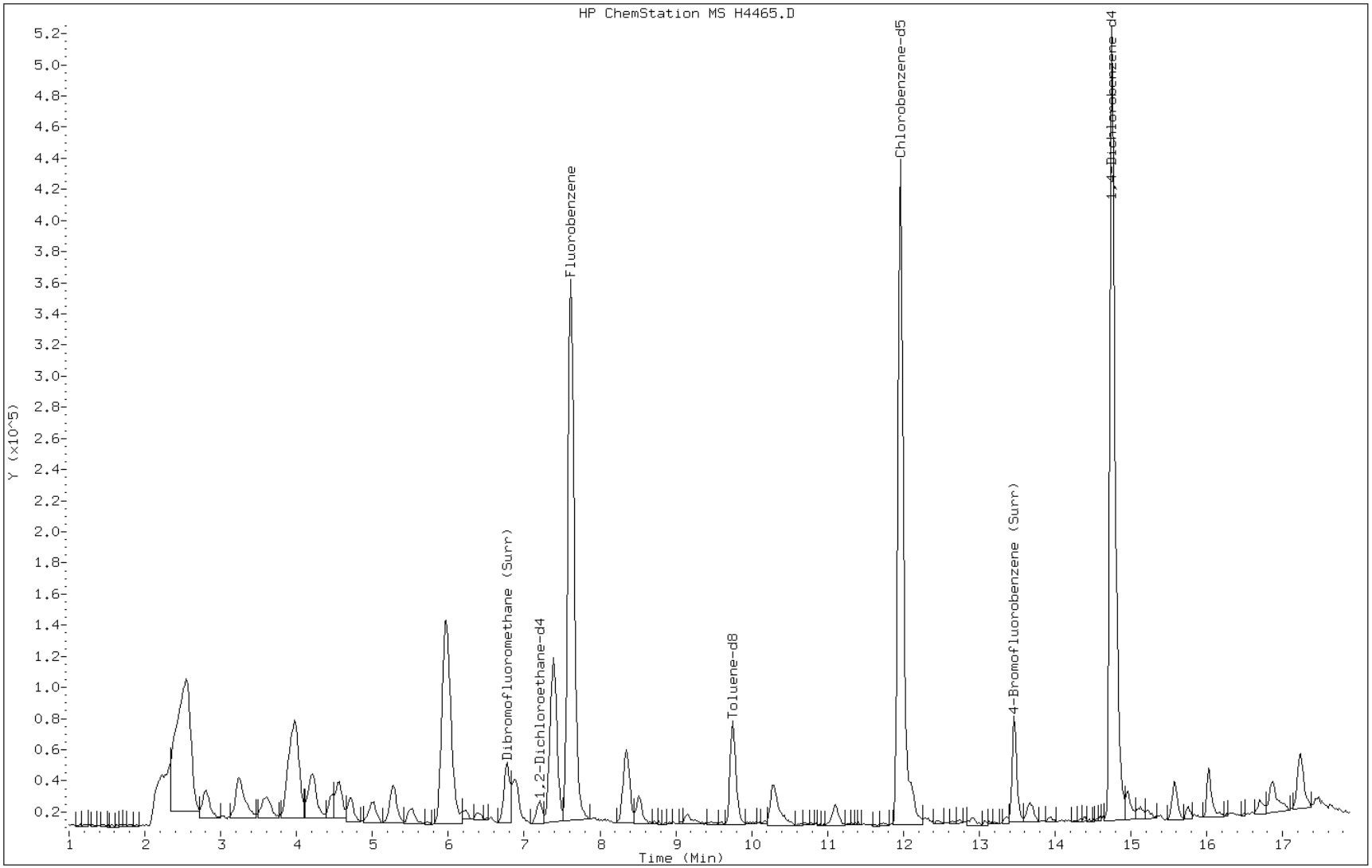
Date: 02-JUL-2012 16:13

Client ID: IC

Instrument: H.i

Sample Info: IC,,S1.0

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4466.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 16:35
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,S2.0
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 16:13 Cal File: H4465.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.616	7.616	(1.000)	1025918	12.5000	
* 86 Chlorobenzene-d5	119	11.968	11.968	(1.000)	258430	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.753	14.753	(1.000)	382376	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	6.762	6.762	(0.888)	120532	2.00000	2.13565
$ 57 1,2-Dichloroethane-d4	65	7.198	7.198	(0.945)	46106	2.00000	2.26460
$ 75 Toluene-d8	98	9.757	9.757	(0.815)	222855	2.00000	2.27226
$ 98 4-Bromofluorobenzene (Surr)	95	13.465	13.465	(0.913)	111509	2.00000	2.34618
7 1,2-Dichlorotetrafluoroethane	85	2.810	2.810	(0.369)	91960	2.00000	2.06877
11 Ethylene Oxide	43	3.228	3.228	(0.424)	88166	250.000	258.080(a)
14 Dichlorofluoromethane	67	3.594	3.594	(0.472)	115735	2.00000	2.09074
18 1,2-dichloro-1,1,2-trifluoro	117	3.925	3.925	(0.515)	86240	2.00000	1.96816(a)
17 Ethyl Ether	59	3.907	3.907	(0.513)	36251	2.00000	2.21948
19 2,2-dichloro-1,1,1-trifluoro	83	3.977	3.977	(0.522)	134984	2.00000	1.96287(a)
23 Trichlorotrifluoroethane	151	4.203	4.203	(0.552)	71655	2.00000	2.06316(aQ)
24 2-propanol	45	4.343	4.343	(0.570)	24900	40.0000	39.8718(a)
28 Methyl Acetate	43	4.569	4.569	(0.600)	81210	10.0000	10.6192
29 Allyl Chloride	41	4.569	4.569	(0.600)	65239	2.00000	1.95590(a)
26 Carbon Disulfide	76	4.464	4.464	(0.586)	167246	2.00000	1.93995(a)
33 Methyl t-butyl ether	73	5.004	5.004	(0.657)	99842	2.00000	2.01856(aQ)
35 Hexane	57	5.265	5.265	(0.440)	82333	2.00000	2.00743
37 Vinyl acetate	43	5.509	5.509	(0.723)	84431	4.00000	3.95605
40 ETBE	59	5.962	5.962	(0.783)	854902	10.0000	10.9636

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44 Ethyl Acetate	43	6.223	6.223	(0.817)	40288	4.00000	3.92256(aQ)
46 2-Butanol	45	6.397	6.397	(0.840)	55077	60.0000	63.8178
49 Tetrahydrofuran	42	6.536	6.536	(0.858)	9218	4.00000	3.55104(a)
53 Cyclohexane	56	6.884	6.884	(0.904)	91287	2.00000	2.01018
60 TAME	73	7.389	7.389	(0.970)	642116	10.0000	10.7650
64 2-Pentanone	43	8.329	8.329	(1.094)	79275	8.00000	8.87108
65 Methyl Cyclohexane	55	8.364	8.364	(1.098)	82889	2.00000	2.10466
67 Methyl Methacrylate	100	8.521	8.521	(1.119)	23665	4.00000	4.56858
71 2-nitropropane	41	9.095	9.095	(1.194)	6837	2.00000	2.28000(a)
72 2-Chloroethyl vinyl ether	63	9.148	9.148	(1.201)	16790	2.00000	1.91670(a)
78 Ethyl methacrylate	69	10.297	10.297	(0.860)	116057	4.00000	4.32773
84 Tetrahydrothiophene	60	11.115	11.115	(0.929)	18162	2.00000	2.21236(Q)
96 cis-1,4-dichloro-2-butene	53	13.343	13.343	(0.904)	6488	2.00000	2.23050(a)
102 t-1,4-Dichloro-2-butene	53	13.691	13.691	(0.928)	8641	2.00000	2.31941(a)
114 1,2,3-Trimethylbenzene	105	14.823	14.823	(1.005)	173476	2.00000	2.12140

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: H4466.D

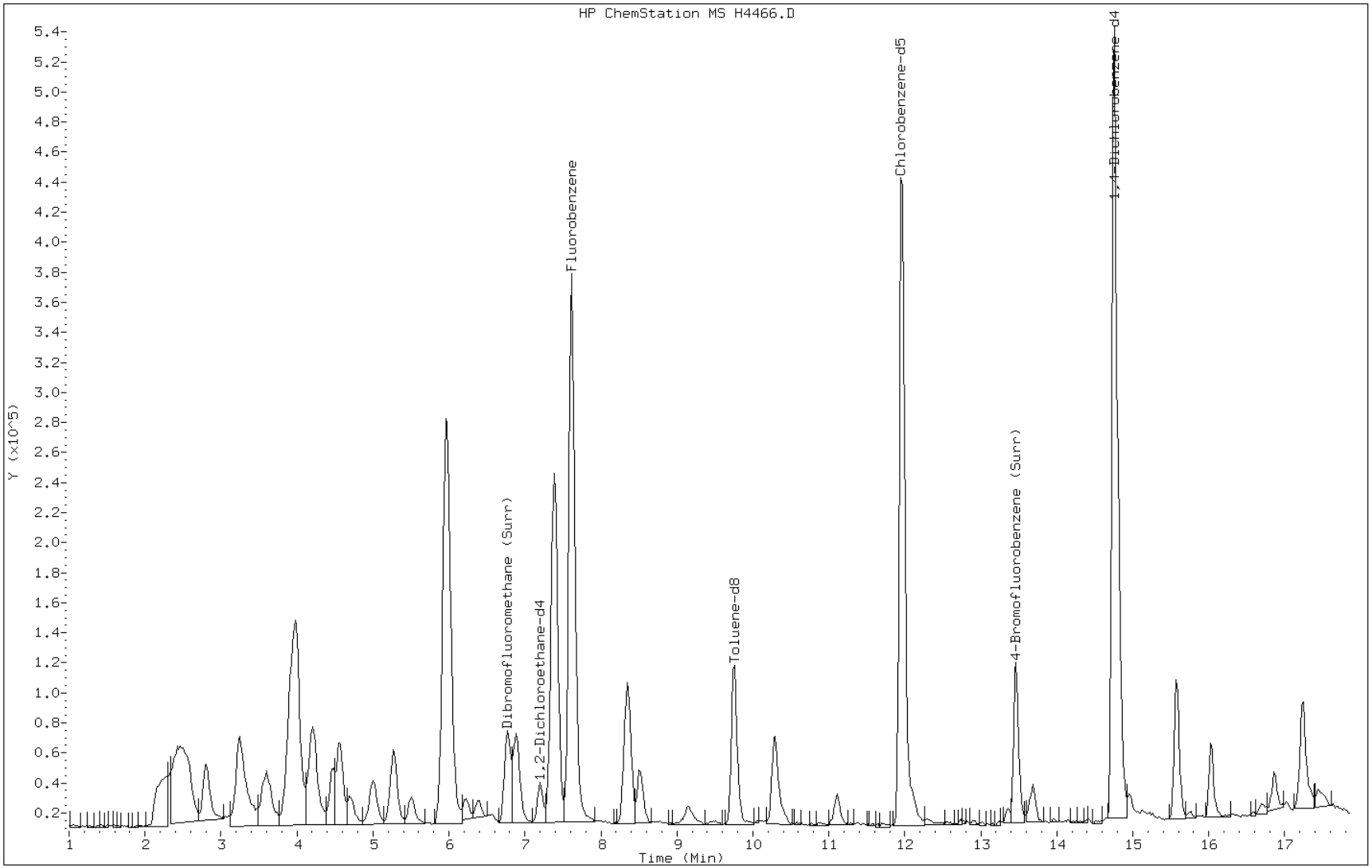
Date: 02-JUL-2012 16:35

Client ID: IC

Instrument: H.i

Sample Info: IC,,S2.0

Operator: MEIERG



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VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4467.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 16:58
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,S5.0
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 16:35 Cal File: H4466.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.614	7.614	(1.000)	1019839	12.5000	
* 86 Chlorobenzene-d5	119	11.967	11.967	(1.000)	256244	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.752	14.752	(1.000)	373541	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	6.761	6.761	(0.888)	273794	5.00000	4.88014
$ 57 1,2-Dichloroethane-d4	65	7.196	7.196	(0.945)	103713	5.00000	5.12446
$ 75 Toluene-d8	98	9.756	9.756	(0.815)	506748	5.00000	5.21096
$ 98 4-Bromofluorobenzene (Surr)	95	13.464	13.464	(0.913)	246881	5.00000	5.31730
7 1,2-Dichlorotetrafluoroethane	85	2.792	2.792	(0.367)	226180	5.00000	5.11856
11 Ethylene Oxide	43	3.227	3.227	(0.424)	193568	625.000	569.990(a)
14 Dichlorofluoromethane	67	3.593	3.593	(0.472)	271290	5.00000	4.93003
18 1,2-dichloro-1,1,2-trifluoro	117	3.923	3.923	(0.515)	204230	5.00000	4.68870
17 Ethyl Ether	59	3.889	3.889	(0.511)	82487	5.00000	5.08039
19 2,2-dichloro-1,1,1-trifluoro	83	3.976	3.976	(0.522)	322378	5.00000	4.71580
23 Trichlorotrifluoroethane	151	4.219	4.219	(0.554)	168952	5.00000	4.89362
24 2-propanol	45	4.359	4.359	(0.572)	55920	100.000	108.499
28 Methyl Acetate	43	4.568	4.568	(0.600)	174722	25.0000	22.9833
29 Allyl Chloride	41	4.568	4.568	(0.600)	154156	5.00000	4.64922
26 Carbon Disulfide	76	4.463	4.463	(0.586)	395314	5.00000	4.61274
33 Methyl t-butyl ether	73	5.003	5.003	(0.657)	228353	5.00000	4.64426(a)
35 Hexane	57	5.264	5.264	(0.440)	198270	5.00000	4.87542
37 Vinyl acetate	43	5.508	5.508	(0.723)	194751	10.0000	9.67252
40 ETBE	59	5.960	5.960	(0.783)	1956953	25.0000	25.2464

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44 Ethyl Acetate	43	6.222	6.222	(0.817)	96806	10.0000	9.48150
46 2-Butanol	45	6.378	6.378	(0.838)	118393	150.000	138.000
49 Tetrahydrofuran	42	6.552	6.552	(0.861)	20241	10.0000	8.81908(Q)
53 Cyclohexane	56	6.883	6.883	(0.904)	220804	5.00000	4.89120
60 TAME	73	7.388	7.388	(0.970)	1471407	25.0000	24.8150
64 2-Pentanone	43	8.328	8.328	(1.094)	182665	20.0000	20.5625
65 Methyl Cyclohexane	55	8.345	8.345	(1.096)	204940	5.00000	5.23470
67 Methyl Methacrylate	100	8.520	8.520	(1.119)	49130	10.0000	9.54118
71 2-nitropropane	41	9.094	9.094	(1.194)	12321	5.00000	4.92285
72 2-Chloroethyl vinyl ether	63	9.146	9.146	(1.201)	42358	5.00000	4.86429
78 Ethyl methacrylate	69	10.278	10.278	(0.859)	246386	10.0000	9.26604
84 Tetrahydrothiophene	60	11.114	11.114	(0.929)	39253	5.00000	4.82229
96 cis-1,4-dichloro-2-butene	53	13.359	13.359	(0.906)	14714	5.00000	5.17816
102 t-1,4-Dichloro-2-butene	53	13.690	13.690	(0.928)	17921	5.00000	4.92412
114 1,2,3-Trimethylbenzene	105	14.822	14.822	(1.005)	408620	5.00000	5.11512

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: H4467.D

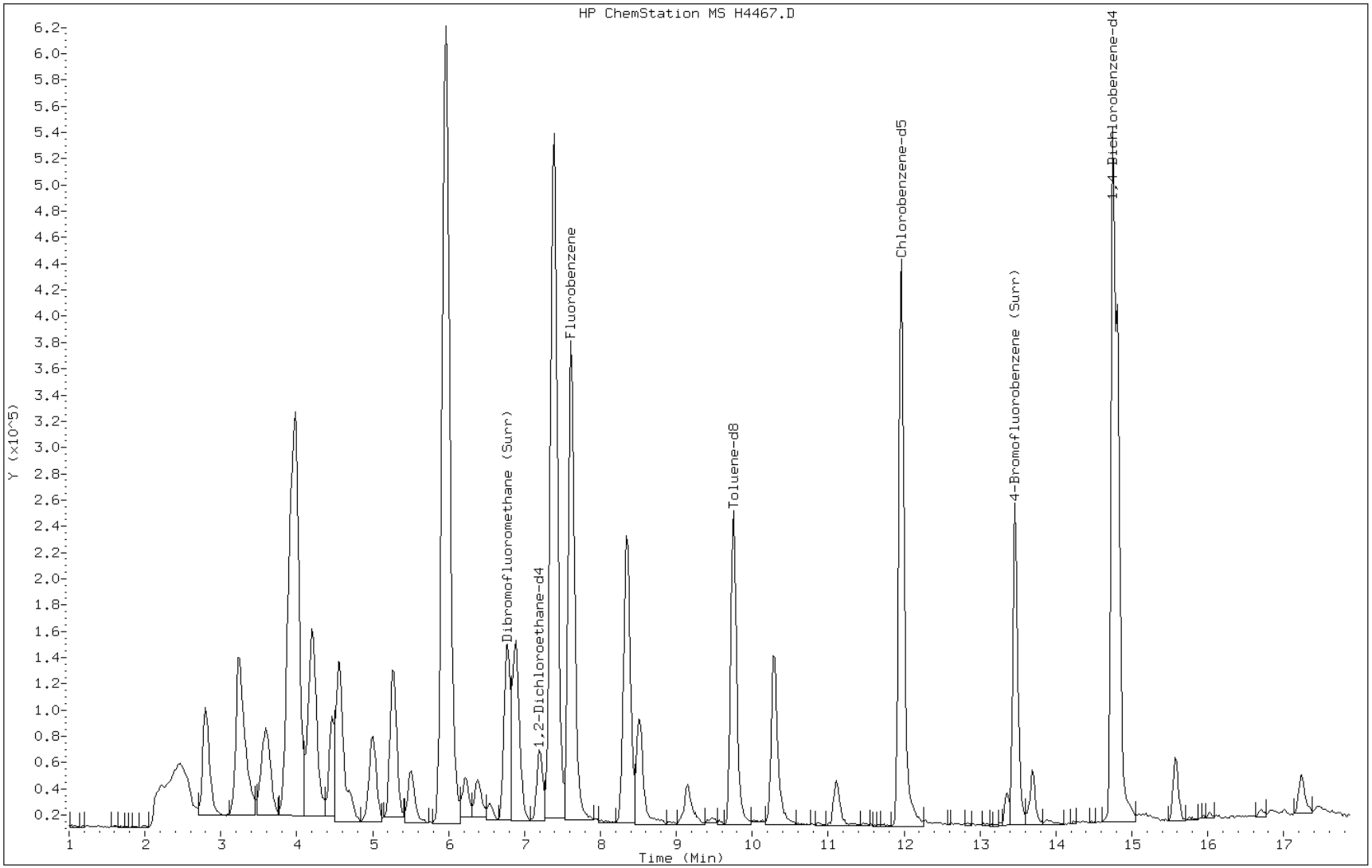
Date: 02-JUL-2012 16:58

Client ID: IC

Instrument: H.i

Sample Info: IC,,S5.0

Operator: MEIERG



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VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4468.D
Lab Smp Id: ICIS Client Smp ID: ICIS
Inj Date : 02-JUL-2012 17:20
Operator : MEIERG Inst ID: H.i
Smp Info : ICIS,,S10
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 16:58 Cal File: H4467.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	61 Fluorobenzene	96	7.612	7.612	(1.000)	1034819	12.5000	
*	86 Chlorobenzene-d5	119	11.964	11.964	(1.000)	256358	12.5000	
*	112 1,4-Dichlorobenzene-d4	152	14.750	14.750	(1.000)	375990	12.5000	
$	51 Dibromofluoromethane (Surr)	111	6.759	6.759	(0.888)	525847	10.0000	9.23708
$	57 1,2-Dichloroethane-d4	65	7.194	7.194	(0.945)	205434	10.0000	10.0036
$	75 Toluene-d8	98	9.753	9.753	(0.815)	988258	10.0000	10.1579
$	98 4-Bromofluorobenzene (Surr)	95	13.462	13.462	(0.913)	476946	10.0000	10.2055
	7 1,2-Dichlorotetrafluoroethane	85	2.790	2.790	(0.366)	456846	10.0000	10.1890
	11 Ethylene Oxide	43	3.225	3.225	(0.424)	396655	1250.00	1151.10
	14 Dichlorofluoromethane	67	3.590	3.590	(0.472)	540889	10.0000	9.68703
	18 1,2-dichloro-1,1,2-trifluoro	117	3.921	3.921	(0.515)	407606	10.0000	9.22233
	17 Ethyl Ether	59	3.886	3.886	(0.511)	167203	10.0000	10.1490
	19 2,2-dichloro-1,1,1-trifluoro	83	3.973	3.973	(0.522)	636557	10.0000	9.17686
	23 Trichlorotrifluoroethane	151	4.200	4.200	(0.552)	342017	10.0000	9.76296
	24 2-propanol	45	4.356	4.356	(0.572)	95334	200.000	192.245
	28 Methyl Acetate	43	4.565	4.565	(0.600)	361909	50.0000	46.9170
	29 Allyl Chloride	41	4.565	4.565	(0.600)	312266	10.0000	9.28136
	26 Carbon Disulfide	76	4.461	4.461	(0.586)	797477	10.0000	9.17069
	33 Methyl t-butyl ether	73	5.001	5.001	(0.657)	466100	10.0000	9.34234
	35 Hexane	57	5.262	5.262	(0.440)	387077	10.0000	9.51392
	37 Vinyl acetate	43	5.505	5.505	(0.723)	401071	20.0000	20.0157
	40 ETBE	59	5.958	5.958	(0.783)	3996819	50.0000	50.8160

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44 Ethyl Acetate	43	6.219	6.219	(0.817)	194929	20.0000	18.8156
46 2-Butanol	45	6.376	6.376	(0.838)	242966	300.000	279.104
49 Tetrahydrofuran	42	6.533	6.533	(0.858)	46011	20.0000	20.7574
53 Cyclohexane	56	6.881	6.881	(0.904)	454147	10.0000	9.91452
60 TAME	73	7.386	7.386	(0.970)	3077045	50.0000	51.1427
64 2-Pentanone	43	8.308	8.308	(1.091)	369388	40.0000	40.9799
65 Methyl Cyclohexane	55	8.343	8.343	(1.096)	395203	10.0000	9.94839
67 Methyl Methacrylate	100	8.517	8.517	(1.119)	100258	20.0000	19.1885
71 2-nitropropane	41	9.092	9.092	(1.194)	26140	10.0000	11.3527
72 2-Chloroethyl vinyl ether	63	9.144	9.144	(1.201)	87366	10.0000	9.88767
78 Ethyl methacrylate	69	10.276	10.276	(0.859)	518515	20.0000	19.4916
84 Tetrahydrothiophene	60	11.111	11.111	(0.929)	83262	10.0000	10.2243
96 cis-1,4-dichloro-2-butene	53	13.357	13.357	(0.906)	30841	10.0000	10.7829
102 t-1,4-Dichloro-2-butene	53	13.688	13.688	(0.928)	36227	10.0000	9.88918
114 1,2,3-Trimethylbenzene	105	14.820	14.820	(1.005)	841889	10.0000	10.4702

Data File: H4468.D

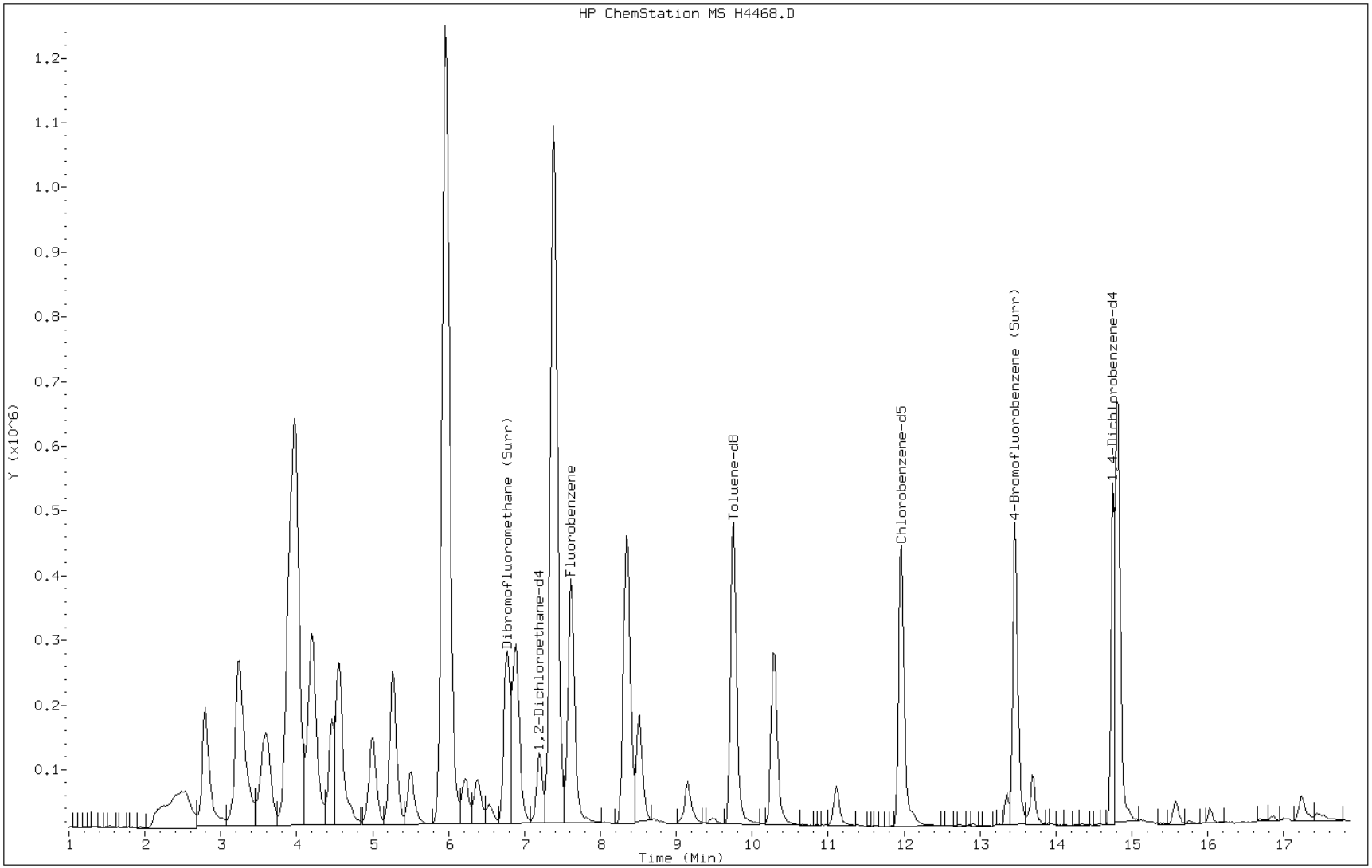
Date: 02-JUL-2012 17:20

Client ID: ICIS

Instrument: H.i

Sample Info: ICIS,,S10

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4469.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 17:42
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,S30
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 17:20 Cal File: H4468.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.609	7.609	(1.000)	1030902	12.5000	
* 86 Chlorobenzene-d5	119	11.961	11.961	(1.000)	255839	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.747	14.747	(1.000)	377149	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	6.756	6.756	(0.888)	1486024	30.0000	26.2028
$ 57 1,2-Dichloroethane-d4	65	7.191	7.191	(0.945)	561898	30.0000	27.4654
$ 75 Toluene-d8	98	9.750	9.750	(0.815)	2453266	30.0000	25.2672
$ 98 4-Bromofluorobenzene (Surr)	95	13.459	13.459	(0.913)	1313171	30.0000	28.0124
7 1,2-Dichlorotetrafluoroethane	85	2.787	2.787	(0.366)	1350631	30.0000	30.2374
11 Ethylene Oxide	43	3.222	3.222	(0.423)	1167463	3750.00	3400.88
14 Dichlorofluoromethane	67	3.587	3.587	(0.472)	1609587	30.0000	28.9364
18 1,2-dichloro-1,1,2-trifluoro	117	3.901	3.901	(0.513)	1212471	30.0000	27.5371
17 Ethyl Ether	59	3.883	3.883	(0.510)	509347	30.0000	31.0341
19 2,2-dichloro-1,1,1-trifluoro	83	3.970	3.970	(0.522)	1906196	30.0000	27.5849
23 Trichlorotrifluoroethane	151	4.197	4.197	(0.552)	1039551	30.0000	29.7870
24 2-propanol	45	4.336	4.336	(0.570)	270131	600.000	573.783
28 Methyl Acetate	43	4.562	4.562	(0.600)	1040565	150.000	135.409
29 Allyl Chloride	41	4.562	4.562	(0.600)	947650	30.0000	28.2736
26 Carbon Disulfide	76	4.458	4.458	(0.586)	2398685	30.0000	27.6888
33 Methyl t-butyl ether	73	4.998	4.998	(0.657)	1367989	30.0000	27.5237
35 Hexane	57	5.259	5.259	(0.440)	1167524	30.0000	28.7546
37 Vinyl acetate	43	5.503	5.503	(0.723)	1273944	60.0000	64.6356(Q)
40 ETBE	59	5.938	5.938	(0.780)	9226675	150.000	117.754

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44 Ethyl Acetate	43	6.216	6.216	(0.817)	574201	60.0000	55.6356
46 2-Butanol	45	6.373	6.373	(0.838)	703379	900.000	811.066
49 Tetrahydrofuran	42	6.547	6.547	(0.860)	129684	60.0000	60.2036
53 Cyclohexane	56	6.878	6.878	(0.904)	1291994	30.0000	28.3128
60 TAME	73	7.365	7.365	(0.968)	7320420	150.000	122.133
64 2-Pentanone	43	8.323	8.323	(1.094)	995492	120.000	110.860
65 Methyl Cyclohexane	55	8.358	8.358	(1.098)	1148571	30.0000	29.0227
67 Methyl Methacrylate	100	8.514	8.514	(1.119)	287825	60.0000	55.2966
71 2-nitropropane	41	9.089	9.089	(1.194)	64322	30.0000	29.4693
72 2-Chloroethyl vinyl ether	63	9.141	9.141	(1.201)	270108	30.0000	30.6857
78 Ethyl methacrylate	69	10.290	10.290	(0.860)	1508804	60.0000	56.8327
84 Tetrahydrothiophene	60	11.108	11.108	(0.929)	237983	30.0000	29.2829
96 cis-1,4-dichloro-2-butene	53	13.354	13.354	(0.906)	86705	30.0000	30.2214
102 t-1,4-Dichloro-2-butene	53	13.685	13.685	(0.928)	99300	30.0000	27.0234
114 1,2,3-Trimethylbenzene	105	14.817	14.817	(1.005)	2189638	30.0000	27.1478

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: H4469.D

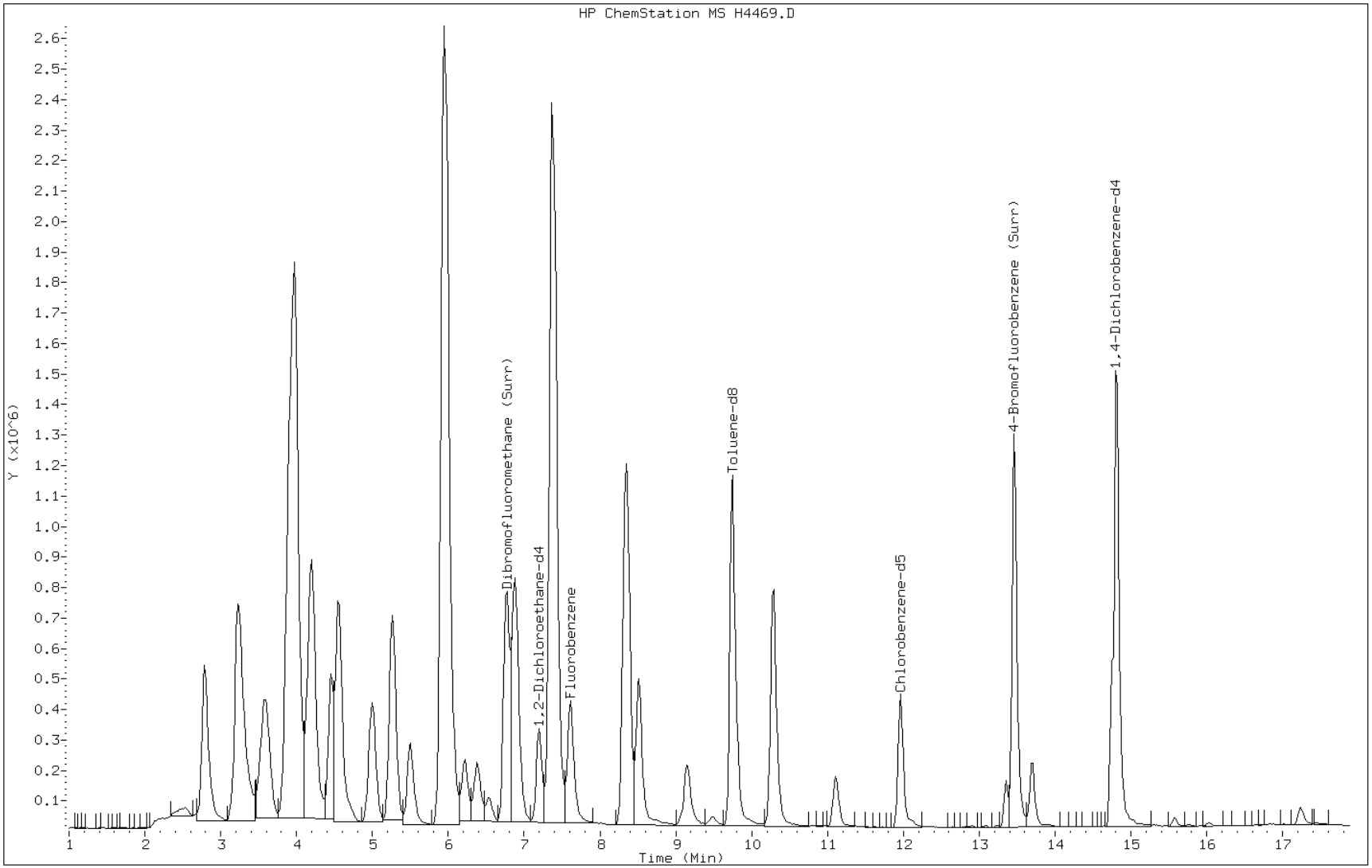
Date: 02-JUL-2012 17:42

Client ID: IC

Instrument: H.i

Sample Info: IC,,S30

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4470.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 18:04
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,S60
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:03 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.614	7.614	(1.000)	749420	12.5000	
* 86 Chlorobenzene-d5	119	11.966	11.966	(1.000)	193031	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.752	14.752	(1.000)	341726	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	6.761	6.761	(0.888)	2866986	60.0000	69.5408(A)
$ 57 1,2-Dichloroethane-d4	65	7.196	7.196	(0.945)	827144	60.0000	55.6163
$ 75 Toluene-d8	98	9.755	9.755	(0.815)	4235638	60.0000	57.8190
$ 98 4-Bromofluorobenzene (Surr)	95	13.464	13.464	(0.913)	2062152	60.0000	48.5494
7 1,2-Dichlorotetrafluoroethane	85	2.792	2.792	(0.367)	2722828	60.0000	83.8533(A)
11 Ethylene Oxide	43	3.227	3.227	(0.424)	2298213	7500.00	9209.37(A)
14 Dichlorofluoromethane	67	3.592	3.592	(0.472)	3277684	60.0000	81.0567(A)
18 1,2-dichloro-1,1,2-trifluoro	117	3.923	3.923	(0.515)	2425663	60.0000	75.7826(A)
17 Ethyl Ether	59	3.888	3.888	(0.511)	1031664	60.0000	86.4682(A)
19 2,2-dichloro-1,1,1-trifluoro	83	3.975	3.975	(0.522)	3709622	60.0000	73.8458(A)
23 Trichlorotrifluoroethane	151	4.202	4.202	(0.552)	2095823	60.0000	82.6091(A)
24 2-propanol	45	4.376	4.376	(0.575)	549419	1200.00	1631.65(A)
28 Methyl Acetate	43	4.567	4.567	(0.600)	2081008	300.000	372.515(A)
29 Allyl Chloride	41	4.550	4.550	(0.598)	1855795	60.0000	76.1651(A)
26 Carbon Disulfide	76	4.463	4.463	(0.586)	4885473	60.0000	77.5764(A)
33 Methyl t-butyl ether	73	5.003	5.003	(0.657)	2666443	60.0000	73.7986(A)
35 Hexane	57	5.264	5.264	(0.440)	2023197	60.0000	66.0420(A)
37 Vinyl acetate	43	5.507	5.507	(0.723)	1620964	120.000	113.412
40 ETBE	59	5.978	5.978	(0.785)	17573441	300.000	308.519(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44 Ethyl Acetate	43	6.221	6.221	(0.817)	1083247	120.000	144.380(A)
46 2-Butanol	45	6.395	6.395	(0.840)	1344539	1800.00	2132.71(A)
49 Tetrahydrofuran	42	6.535	6.535	(0.858)	261332	120.000	168.316(A)
53 Cyclohexane	56	6.865	6.865	(0.902)	2053413	60.0000	61.9000(A)
60 TAME	73	7.388	7.388	(0.970)	13941692	300.000	319.966(A)
64 2-Pentanone	43	8.310	8.310	(1.091)	1442445	240.000	220.967
65 Methyl Cyclohexane	55	8.363	8.363	(1.098)	1579390	60.0000	54.8986
67 Methyl Methacrylate	100	8.519	8.519	(1.119)	464375	120.000	122.724(A)
71 2-nitropropane	41	9.076	9.076	(1.192)	94712	60.0000	60.6869(A)
72 2-Chloroethyl vinyl ether	63	9.146	9.146	(1.201)	405887	60.0000	63.4301(A)
78 Ethyl methacrylate	69	10.278	10.278	(0.859)	2495692	120.000	124.594(A)
84 Tetrahydrothiophene	60	11.113	11.113	(0.929)	342465	60.0000	55.8501
96 cis-1,4-dichloro-2-butene	53	13.359	13.359	(0.906)	119076	60.0000	45.8067
102 t-1,4-Dichloro-2-butene	53	13.690	13.690	(0.928)	192930	60.0000	57.9463
114 1,2,3-Trimethylbenzene	105	14.822	14.822	(1.005)	4060483	60.0000	55.5616

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: H4470.D

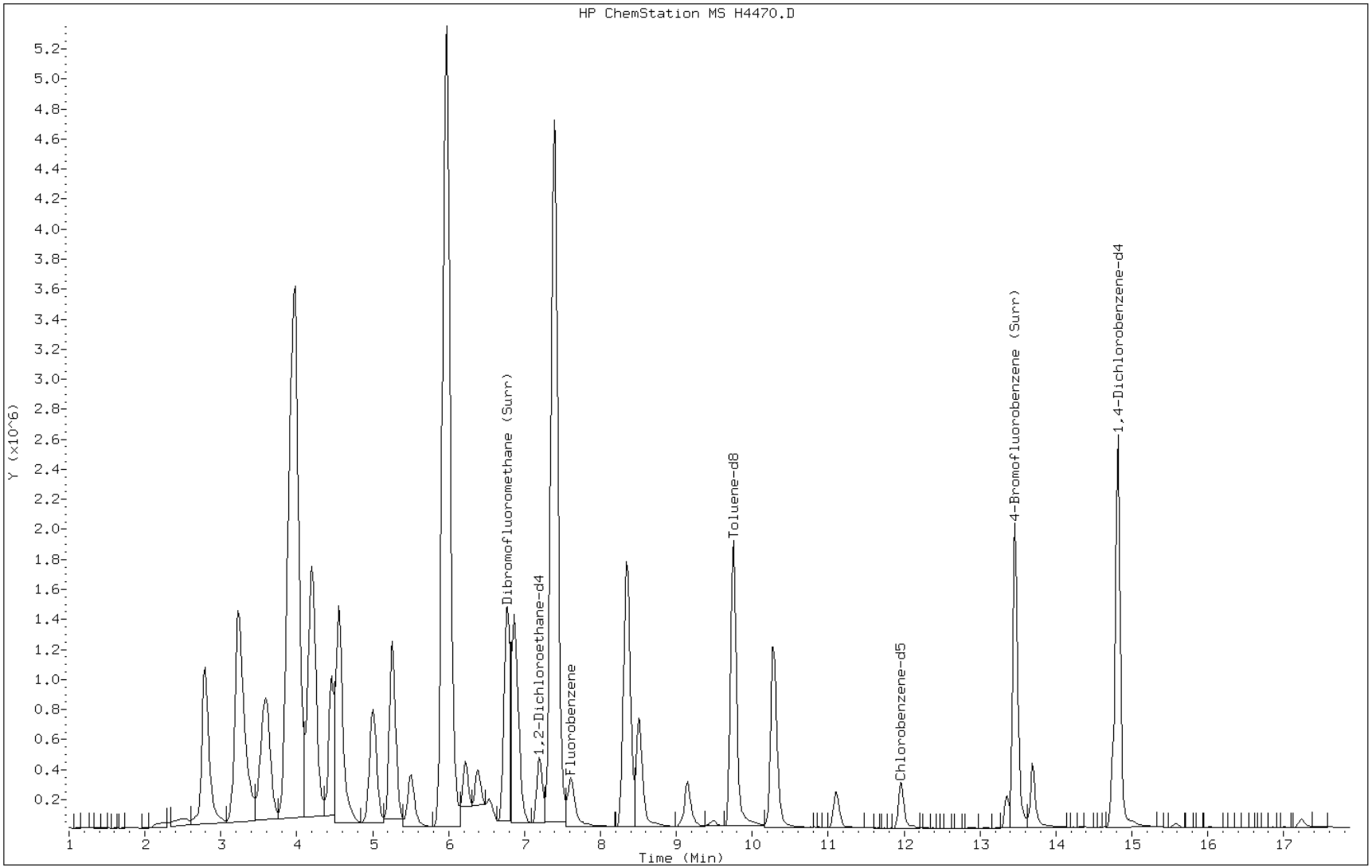
Date: 02-JUL-2012 18:04

Client ID: IC

Instrument: H.i

Sample Info: IC,,S60

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Lab Sample ID: ICV 280-126680/9 Calibration Date: 07/02/2012 15:06

Instrument ID: MSV_H Calib Start Date: 07/02/2012 12:30

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 07/02/2012 14:44

Lab File ID: H4462.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Lin	0.0008	0.0010		156	200	-21.9	50.0
2-Chloro-1,3-butadiene	Ave	0.4157	0.4787		11.5	10.0	15.1	35.0
Propionitrile	Ave	0.0104	0.0100		96.5	100	-3.5	35.0
Methacrylonitrile	Ave	0.0607	0.0603		99.3	100	-0.7	50.0
Isobutyl alcohol	Ave	0.0033	0.0032		193	200	-3.6	50.0
1,4-Dioxane	Ave	0.0012	0.0012		197	200	-1.4	55.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4462.D
Lab Smp Id: ICV Client Smp ID: ICV
Inj Date : 02-JUL-2012 15:06
Operator : MEIERG Inst ID: H.i
Smp Info : ICV,,B
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvbm.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61 Fluorobenzene	96	7.610	7.627	(1.000)	938119	12.5000	
* 86 Chlorobenzene-d5	119	11.962	11.962	(1.000)	237585	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.748	14.765	(1.000)	338327	12.5000	(Q)
16 Ethanol	45	3.832	3.849	(0.504)	14202	156.297	156.297(a)
39 Chloroprene	53	5.590	5.607	(0.735)	359261	11.5147	11.5147
45 Propionitrile	54	6.286	6.304	(0.826)	75226	96.4963	96.4963
47 Methacrylonitrile	41	6.443	6.460	(0.847)	452464	99.3119	99.3119
56 Isobutanol	41	7.105	7.122	(0.934)	47382	192.746	192.746
69 1,4-Dioxane	88	8.585	8.602	(1.128)	17583	197.297	197.297(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: H4462.D

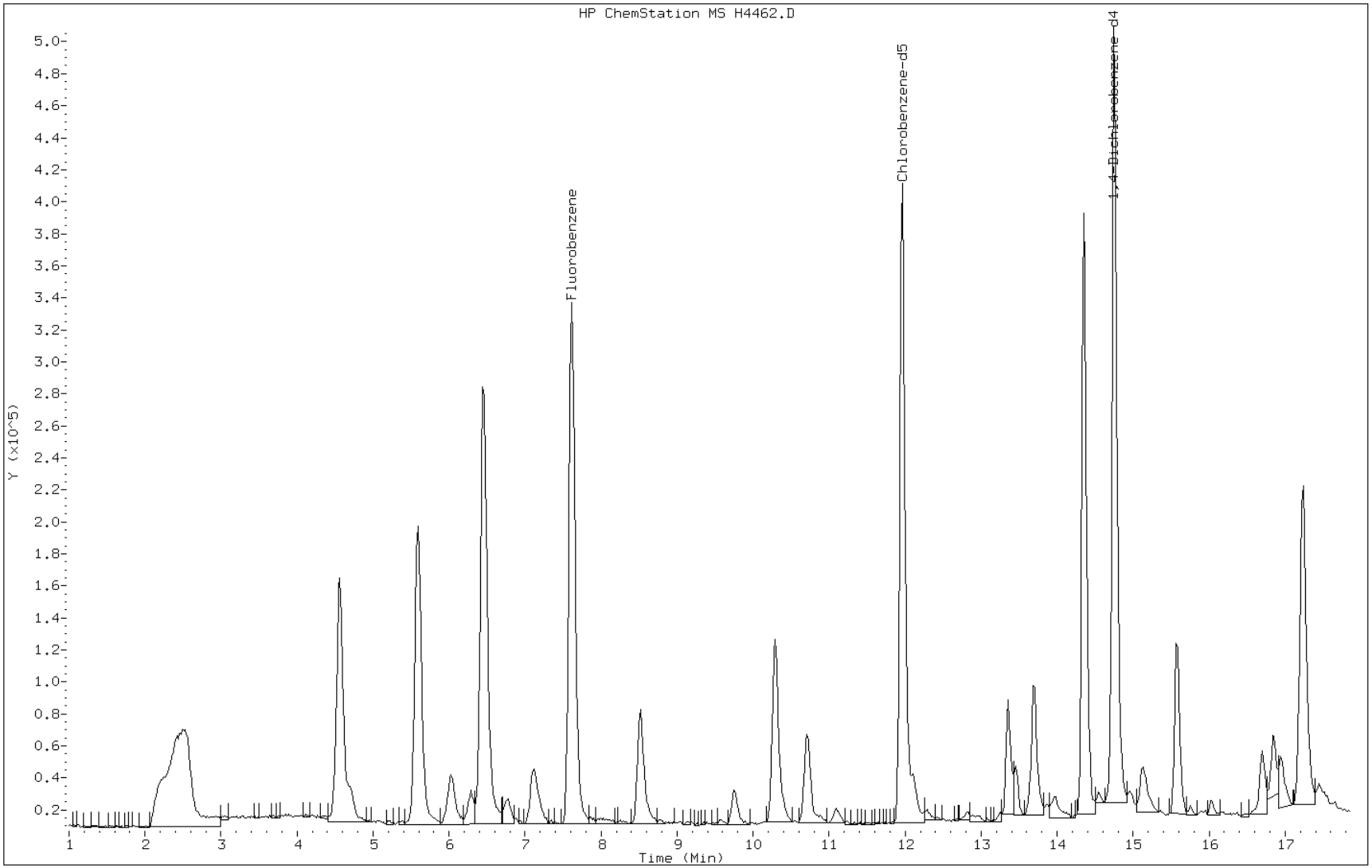
Date: 02-JUL-2012 15:06

Client ID: ICV

Instrument: H.i

Sample Info: ICV,,B

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Lab Sample ID: ICV 280-126680/10 Calibration Date: 07/02/2012 15:28

Instrument ID: MSV_H Calib Start Date: 07/02/2012 12:30

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 07/02/2012 14:44

Lab File ID: H4463.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3724	0.3746		20.1	20.0	0.6	20.0
Xylenes, Total	Ave	2.374	2.301		29.1	30.0	-3.1	35.0
Dichlorodifluoromethane	Ave	0.4703	0.4263		9.07	10.0	-9.3	20.0
Chloromethane	Ave	0.2514	0.2343	0.1000	9.32	10.0	-6.8	20.0
Vinyl chloride	Ave	0.2989	0.2707		9.06	10.0	-9.4	20.0
Bromomethane	Ave	0.3005	0.2620		8.72	10.0	-12.8	20.0
Chloroethane	Ave	0.2102	0.1832		8.72	10.0	-12.8	20.0
Trichlorofluoromethane	Ave	0.6228	0.5501		8.83	10.0	-11.7	20.0
Acrolein	Ave	0.0157	0.0155		98.4	100	-1.6	55.0
1,1-Dichloroethene	Ave	0.3201	0.3255		10.2	10.0	1.7	20.0
Acetone	Ave	0.0228	0.0223		39.0	40.0	-2.4	20.0
Iodomethane	Ave	0.8205	0.8080		9.85	10.0	-1.5	35.0
Methylene Chloride	Lin2	0.3954	0.3235		8.82	10.0	-11.8	20.0
Acrylonitrile	Ave	0.0276	0.0303		110	100	9.8	55.0
trans-1,2-Dichloroethene	Ave	0.3748	0.3767		10.1	10.0	0.5	20.0
1,1-Dichloroethane	Ave	0.6395	0.6322	0.1000	9.89	10.0	-1.1	20.0
2-Butanone (MEK)	Ave	0.0466	0.0440		37.7	40.0	-5.8	20.0
cis-1,2-Dichloroethene	Ave	0.3699	0.3726		10.1	10.0	0.7	20.0
2,2-Dichloropropane	Ave	0.4820	0.4891		10.1	10.0	1.5	20.0
Chlorobromomethane	Ave	0.2022	0.2082		10.3	10.0	3.0	20.0
Chloroform	Ave	0.6371	0.6138		9.63	10.0	-3.7	20.0
1,1,1-Trichloroethane	Ave	0.5793	0.5481		9.46	10.0	-5.4	20.0
1,1-Dichloropropene	Ave	0.5501	0.5261		9.56	10.0	-4.4	20.0
Carbon tetrachloride	Ave	0.5863	0.5732		9.78	10.0	-2.2	20.0
Benzene	Ave	1.044	1.048		10.0	10.0	0.4	20.0
1,2-Dichloroethane	Ave	0.2416	0.2522		10.4	10.0	4.4	20.0
Trichloroethene	Ave	0.4511	0.4378		9.71	10.0	-2.9	20.0
1,2-Dichloropropane	Ave	0.3916	0.3789		9.68	10.0	-3.2	20.0
Dibromomethane	Ave	0.2271	0.2192		9.65	10.0	-3.5	20.0
Dichlorobromomethane	Ave	0.5532	0.5459		9.87	10.0	-1.3	20.0
cis-1,3-Dichloropropene	Ave	0.4967	0.4987		10.0	10.0	0.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1501	0.1422		37.9	40.0	-5.3	20.0
Toluene	Ave	1.158	1.160		10.0	10.0	0.1	20.0
trans-1,3-Dichloropropene	Ave	0.3607	0.3564		9.88	10.0	-1.2	20.0
1,1,2-Trichloroethane	Ave	0.2400	0.2313		9.64	10.0	-3.6	20.0
Tetrachloroethene	Ave	1.863	1.808		9.71	10.0	-2.9	20.0
1,3-Dichloropropane	Ave	1.630	1.593		9.77	10.0	-2.3	20.0
2-Hexanone	Ave	0.4590	0.3988		34.8	40.0	-13.1	20.0
Chlorodibromomethane	Ave	2.039	1.978		9.70	10.0	-3.0	20.0
Ethylene Dibromide	Ave	1.432	1.366		9.53	10.0	-4.7	20.0
1-Chlorohexane	Ave	2.522	2.326		9.22	10.0	-7.8	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Lab Sample ID: ICV 280-126680/10 Calibration Date: 07/02/2012 15:28

Instrument ID: MSV_H Calib Start Date: 07/02/2012 12:30

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 07/02/2012 14:44

Lab File ID: H4463.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorobenzene	Ave	3.710	3.666	0.3000	9.88	10.0	-1.2	20.0
1,1,1,2-Tetrachloroethane	Ave	1.847	1.804		9.77	10.0	-2.3	20.0
Ethylbenzene	Ave	1.826	1.759		9.63	10.0	-3.7	20.0
m-Xylene & p-Xylene	Ave	2.453	2.395		19.5	20.0	-2.4	20.0
o-Xylene	Ave	2.214	2.111		9.53	10.0	-4.7	20.0
Styrene	Ave	3.594	3.505		9.75	10.0	-2.5	20.0
Bromoform	Ave	1.062	1.079	0.1000	10.2	10.0	1.6	20.0
Isopropylbenzene	Ave	4.336	4.131		9.53	10.0	-4.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8796	0.8201	0.3000	9.32	10.0	-6.8	20.0
Bromobenzene	Ave	1.145	1.102		9.63	10.0	-3.7	20.0
1,2,3-Trichloropropane	Ave	0.1996	0.1957		9.80	10.0	-2.0	20.0
N-Propylbenzene	Ave	1.194	1.085		9.08	10.0	-9.2	20.0
2-Chlorotoluene	Ave	1.021	0.9831		9.63	10.0	-3.7	20.0
1,3,5-Trimethylbenzene	Ave	3.203	3.019		9.42	10.0	-5.8	20.0
4-Chlorotoluene	Ave	1.129	1.061		9.40	10.0	-6.0	20.0
tert-Butylbenzene	Ave	3.819	3.580		9.37	10.0	-6.3	20.0
1,2,4-Trimethylbenzene	Ave	3.074	2.815		9.16	10.0	-8.4	20.0
sec-Butylbenzene	Ave	1.026	0.9704		9.46	10.0	-5.4	20.0
1,3-Dichlorobenzene	Ave	1.995	1.896		9.50	10.0	-5.0	20.0
4-Isopropyltoluene	Ave	4.209	3.902		9.27	10.0	-7.3	20.0
1,4-Dichlorobenzene	Ave	2.319	2.232		9.62	10.0	-3.8	20.0
n-Butylbenzene	Ave	3.613	3.401		9.41	10.0	-5.9	20.0
1,2-Dichlorobenzene	Ave	1.695	1.630		9.62	10.0	-3.8	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1691	0.1669		9.87	10.0	-1.3	20.0
1,2,4-Trichlorobenzene	Ave	1.263	1.280		10.1	10.0	1.3	20.0
Hexachlorobutadiene	Ave	1.147	1.158		10.1	10.0	0.9	20.0
Naphthalene	Ave	1.468	1.510		10.3	10.0	2.9	20.0
1,2,3-Trichlorobenzene	Ave	1.004	1.019		10.1	10.0	1.4	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4463.D
Lab Smp Id: ICV Client Smp ID: ICV
Inj Date : 02-JUL-2012 15:28
Operator : MEIERG Inst ID: H.i
Smp Info : ICV,,A
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvma.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.613	7.627	(1.000)	1002661	12.5000	
* 86	Chlorobenzene-d5	119	11.965	11.962	(1.000)	236057	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.751	14.765	(1.000)	362058	12.5000	(Q)
M 1	1,2-Dichloroethene (total)	96				601023	20.1219	20.1219
M 2	Xylene (total)	106				1303364	29.0617	29.0617
M 3	1,3-Dichloropropene (total)	75				685939	19.9237	19.9237
M 4	Trihalomethanes (total)	83				1507525	39.3661	39.3661
5	Chlorotrifluoroethene	116	2.617	2.613	(0.344)	202935	10.1151	10.1151
6	dichlorodifluoromethane	85	2.651	2.648	(0.348)	341980	9.06562	9.06562
8	Chloromethane	50	2.843	2.857	(0.373)	187972	9.32256	9.32256
9	Vinyl Chloride	62	2.982	2.996	(0.392)	217164	9.05868	9.05868
10	2-Chloro-1,1,1-trifluoroethane	118	3.034	3.031	(0.399)	433869	10.1314	10.1314
12	Bromomethane	94	3.313	3.327	(0.435)	210126	8.71608	8.71608
13	Chloroethane	64	3.365	3.379	(0.442)	146977	8.71547	8.71547
15	Trichlorofluoromethane	101	3.626	3.623	(0.476)	441208	8.83253	8.83253(Q)
20	Acrolein	56	4.079	4.075	(0.536)	124176	98.3887	98.3887
22	Acetone	43	4.236	4.249	(0.556)	71519	39.0400	39.0400
21	1,1-Dichloroethene	96	4.183	4.180	(0.550)	261090	10.1694	10.1694
25	Iodomethane	142	4.375	4.389	(0.575)	648076	9.84732	9.84732
30	Methylene Chloride	84	4.706	4.702	(0.618)	259470	8.82487	8.82487
32	Acrylonitrile	53	4.984	4.981	(0.655)	243331	109.783	109.783
34	trans-1,2-Dichloroethene	96	5.002	4.998	(0.657)	302182	10.0500	10.0500

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
36 1,1-Dichloroethane	63	5.489	5.520	(0.721)	507133	9.88685	9.88685
42 2-Butanone	43	6.186	6.164	(0.812)	141038	37.6950	37.6950
41 cis-1,2-Dichloroethene	96	6.186	6.182	(0.812)	298841	10.0719	10.0719
43 2,2-Dichloropropane	77	6.203	6.199	(0.815)	392322	10.1482	10.1482
48 Bromochloromethane	128	6.499	6.495	(0.854)	167014	10.2973	10.2973
50 Chloroform	83	6.569	6.565	(0.863)	492331	9.63354	9.63354
52 1,1,1-Trichloroethane	97	6.812	6.826	(0.895)	439604	9.45980	9.45980
54 1,1-Dichloropropene	75	7.004	7.000	(0.920)	421984	9.56419	9.56419
55 Carbon Tetrachloride	117	7.021	7.035	(0.922)	459788	9.77639	9.77639
59 1,2-Dichloroethane	62	7.300	7.296	(0.959)	202282	10.4395	10.4395
58 Benzene	78	7.265	7.261	(0.954)	840988	10.0384	10.0384
63 Trichloroethene	95	8.101	8.097	(1.064)	351167	9.70562	9.70562
66 1,2-Dichloropropane	63	8.397	8.410	(1.103)	303935	9.67558	9.67558
68 Dibromomethane	93	8.588	8.584	(1.128)	175788	9.65021	9.65021
70 Bromodichloromethane	83	8.762	8.776	(1.151)	437876	9.86837	9.86837
73 cis-1,3-Dichloropropene	75	9.371	9.368	(1.231)	400029	10.0411	10.0410
74 4-Methyl-2-pentanone	43	9.580	9.577	(1.258)	456298	37.8920	37.8920
76 Toluene	91	9.842	9.855	(1.293)	930228	10.0109	10.0109
77 trans-1,3-Dichloropropene	75	10.172	10.169	(1.336)	285910	9.88264	9.88264
79 1,1,2-Trichloroethane	97	10.486	10.482	(1.377)	185528	9.63641	9.63641
82 2-Hexanone	43	10.869	10.865	(0.908)	301224	34.7502	34.7502
81 1,3-Dichloropropane	76	10.747	10.761	(0.898)	300763	9.77053	9.77052
80 Tetrachloroethene	164	10.712	10.708	(0.895)	341401	9.70626	9.70626
83 Dibromochloromethane	129	11.130	11.126	(0.930)	373616	9.70334	9.70334
85 1,2-Dibromoethane	107	11.321	11.318	(0.946)	257922	9.53499	9.53499
87 1-Chlorohexane	91	11.948	11.944	(0.999)	439197	9.22085	9.22085
88 Chlorobenzene	112	12.000	12.014	(1.003)	692224	9.87982	9.87982
89 1,1,1,2-Tetrachloroethane	131	12.122	12.118	(1.013)	340643	9.76689	9.76689
90 Ethylbenzene	106	12.140	12.136	(1.015)	332188	9.63129	9.63129
91 m and p-Xylene	106	12.296	12.293	(1.028)	904652	19.5276	19.5276
92 o-Xylene	106	12.801	12.815	(1.070)	398712	9.53411	9.53411
93 Styrene	104	12.819	12.832	(1.071)	661924	9.75150	9.75150
94 Bromoform	173	13.080	13.093	(1.093)	203702	10.1609	10.1609
95 isopropyl benzene	105	13.254	13.268	(0.899)	1196498	9.52650	9.52650
99 1,1,2,2-Tetrachloroethane	83	13.637	13.633	(0.924)	237534	9.32373	9.32372
101 1,2,3-Trichloropropane	110	13.689	13.685	(0.928)	56671	9.80301	9.80301
100 Bromobenzene	156	13.637	13.651	(0.924)	319258	9.62978	9.62978
103 n-Propylbenzene	120	13.741	13.755	(0.932)	314260	9.08424	9.08424
104 2-Chlorotoluene	126	13.863	13.859	(0.940)	284754	9.62795	9.62795
105 1,3,5-Trimethylbenzene	105	13.950	13.946	(0.946)	874486	9.42457	9.42456
106 4-Chlorotoluene	126	13.985	13.981	(0.948)	307377	9.40134	9.40134
107 tert-Butylbenzene	119	14.316	14.312	(0.970)	1036832	9.37410	9.37410
108 1,2,4-Trimethylbenzene	105	14.368	14.364	(0.974)	815262	9.15552	9.15552
109 sec-Butylbenzene	134	14.542	14.556	(0.986)	281081	9.45888	9.45888
111 4-Isopropyltoluene	119	14.699	14.695	(0.996)	1130065	9.27019	9.27019
110 1,3-Dichlorobenzene	146	14.681	14.695	(0.995)	549198	9.50330	9.50330
113 1,4-dichlorobenzene	146	14.768	14.782	(1.001)	646438	9.62496	9.62496
115 n-Butylbenzene	91	15.117	15.113	(1.025)	985068	9.41362	9.41362
116 1,2-Dichlorobenzene	146	15.169	15.165	(1.028)	472004	9.61668	9.61668
117 1,2-Dibromo-3-chloropropane	157	15.935	15.931	(1.080)	48334	9.86753	9.86753
118 1,2,4-Trichlorobenzene	180	16.701	16.697	(1.132)	370636	10.1341	10.1341
119 Hexachlorobutadiene	225	16.840	16.854	(1.142)	335376	10.0930	10.0930
120 Naphthalene	128	16.945	16.941	(1.149)	437450	10.2864	10.2864
121 1,2,3-Trichlorobenzene	180	17.188	17.185	(1.165)	295129	10.1446	10.1446

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: H4463.D

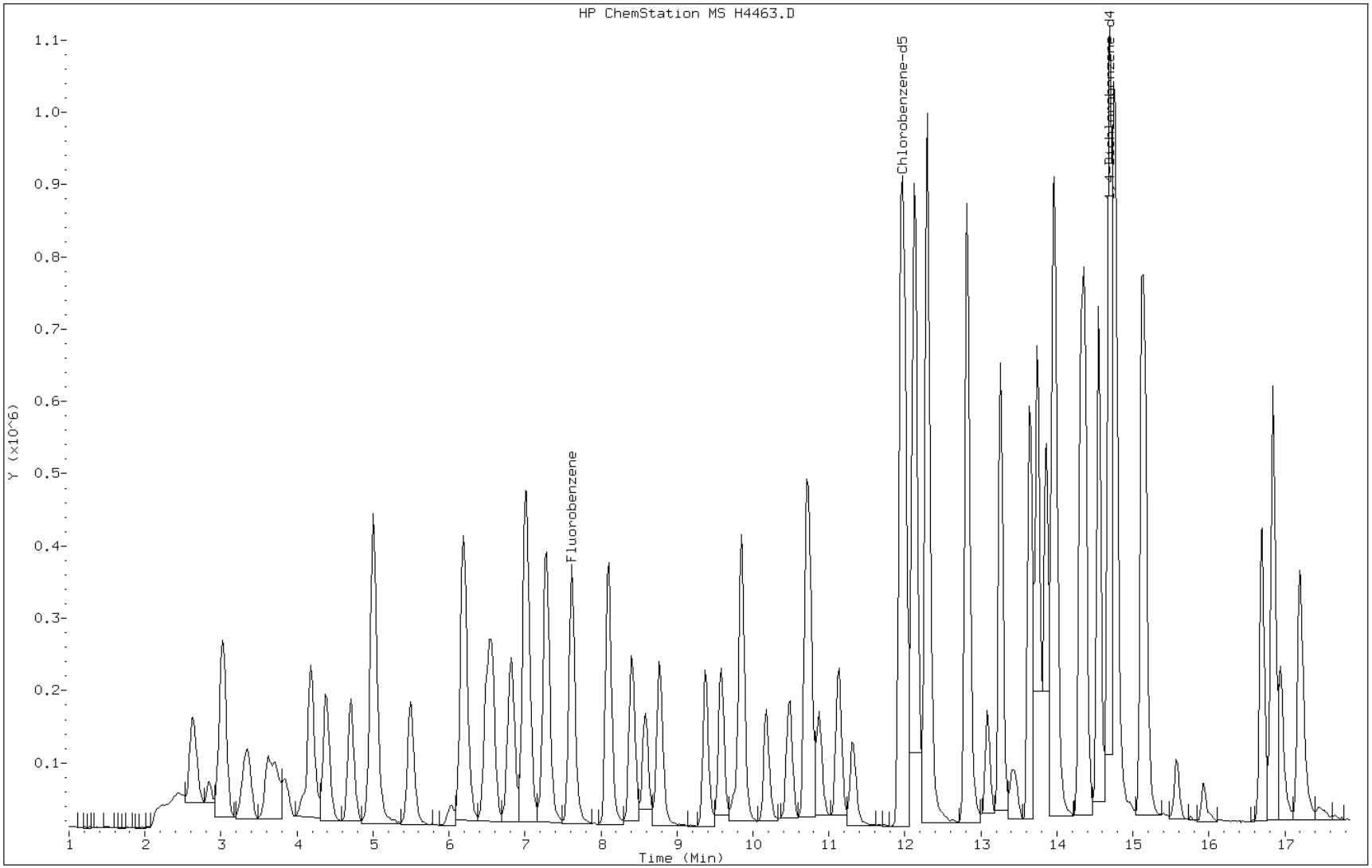
Date: 02-JUL-2012 15:28

Client ID: ICV

Instrument: H.i

Sample Info: ICV,,A

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Lab Sample ID: ICV 280-126680/18 Calibration Date: 07/02/2012 18:26

Instrument ID: MSV_H Calib Start Date: 07/02/2012 16:13

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 07/02/2012 18:04

Lab File ID: H4471.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.6745	0.6441		9.55	10.0	-4.5	50.0
Ethyl ether	Ave	0.1990	0.2096		10.5	10.0	5.3	35.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.8379	0.7159		8.54	10.0	-14.6	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.4232	0.4135		9.77	10.0	-2.3	35.0
Isopropyl alcohol	Lin2	0.0070	0.0055		181	200	-9.4	50.0
Carbon disulfide	Ave	1.050	1.001		9.53	10.0	-4.7	20.0
Allyl chloride	Ave	0.4064	0.3608		8.88	10.0	-11.2	35.0
Methyl acetate	Ave	0.0932	0.0703		37.7	50.0	-24.5	55.0
Methyl tert-butyl ether	Ave	0.6027	0.5196		8.62	10.0	-13.8	20.0
Hexane	Ave	1.984	1.752		8.83	10.0	-11.7	20.0
Vinyl acetate	Lin2	0.2509	0.1878		15.4	20.0	-22.8	55.0
Tert-butyl ethyl ether	Ave	0.9501	0.8932		47.0	50.0	-6.0	35.0
Ethyl acetate	Ave	0.1251	0.1128		18.0	20.0	-9.9	55.0
2-Butanol	Ave	0.0105	0.0093		267	301	-11.4	50.0
Tetrahydrofuran	Lin1	0.0296	0.0263		19.6	20.0	-1.9	55.0
Cyclohexane	Ave	0.5533	0.4894		8.84	10.0	-11.6	35.0
Tert-amyl methyl ether	Ave	0.7268	0.6936		47.7	50.0	-4.6	35.0
2-Pentanone	Ave	0.1089	0.1364		50.1	40.0	25.3	55.0
Methylcyclohexane	Ave	0.4799	0.4295		8.95	10.0	-10.5	35.0
Methyl methacrylate	Ave	0.0631	0.0549		17.4	20.0	-13.1	35.0
2-Nitropropane	Lin	0.0307	0.0306		11.0	10.0	9.7	55.0
2-Chloroethyl vinyl ether	Ave	0.1067	0.1022		9.58	10.0	-4.2	55.0
Ethyl methacrylate	Ave	1.297	1.129		17.4	20.0	-13.0	35.0
cis-1,4-Dichloro-2-butene	Ave	0.0951	0.1377		14.5	10.0	44.8	55.0
trans-1,4-Dichloro-2-butene	Ave	0.1218	0.1158		9.51	10.0	-4.9	55.0
Dibromofluoromethane (Surr)	Ave	0.6877	0.6365		9.26	10.0	-7.4	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2481	0.2485		10.0	10.0	0.2	35.0
Toluene-d8 (Surr)	Ave	4.744	4.657		9.82	10.0	-1.8	35.0
4-Bromofluorobenzene (Surr)	Ave	1.554	1.609		10.4	10.0	3.6	35.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4471.D
Lab Smp Id: ICV Client Smp ID: ICV
Inj Date : 02-JUL-2012 18:26
Operator : MEIERG Inst ID: H.i
Smp Info : ICV,,S
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61 Fluorobenzene	96	7.610	7.614	(1.000)	1047832	12.5000	
* 86 Chlorobenzene-d5	119	11.962	11.966	(1.000)	267508	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.748	14.752	(1.000)	381913	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	6.757	6.761	(0.888)	533523	9.25553	9.25553
$ 57 1,2-Dichloroethane-d4	65	7.192	7.196	(0.945)	208317	10.0180	10.0180
$ 75 Toluene-d8	98	9.751	9.755	(0.815)	996714	9.81777	9.81777
$ 98 4-Bromofluorobenzene (Surr)	95	13.459	13.464	(0.913)	491703	10.3581	10.3581
7 1,2-Dichlorotetrafluoroethane	85	2.787	2.792	(0.366)	503383	11.0875	11.0875
11 Ethylene Oxide	43	3.222	3.227	(0.424)	471694	1351.87	1351.87
14 Dichlorofluoromethane	67	3.588	3.592	(0.472)	539898	9.54920	9.54920
18 1,2-dichloro-1,1,2-trifluoro	117	3.901	3.923	(0.513)	368130	8.22572	8.22572
17 Ethyl Ether	59	3.867	3.888	(0.508)	175720	10.5335	10.5335
19 2,2-dichloro-1,1,1-trifluoro	83	3.971	3.975	(0.522)	600080	8.54356	8.54356
23 Trichlorotrifluoroethane	151	4.197	4.202	(0.552)	346585	9.77050	9.77050
24 2-propanol	45	4.354	4.376	(0.572)	91335	181.106	181.106
28 Methyl Acetate	43	4.546	4.567	(0.597)	294784	37.7405	37.7405
29 Allyl Chloride	41	4.546	4.550	(0.597)	302454	8.87808	8.87808
26 Carbon Disulfide	76	4.458	4.463	(0.586)	838844	9.52660	9.52660
33 Methyl t-butyl ether	73	4.998	5.003	(0.657)	435568	8.62195	8.62195
35 Hexane	57	5.259	5.264	(0.440)	374925	8.83114	8.83114
37 Vinyl acetate	43	5.486	5.507	(0.721)	314833	15.4329	15.4329
40 ETBE	59	5.956	5.978	(0.783)	3743533	47.0046	47.0046

						CONCENTRATIONS	
	QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
44 Ethyl Acetate	43	6.217	6.221	(0.817)	189056	18.0221	18.0221
46 2-Butanol	45	6.374	6.395	(0.838)	235390	267.043	267.043
49 Tetrahydrofuran	42	6.530	6.535	(0.858)	44120	19.6144	19.6144
53 Cyclohexane	56	6.878	6.865	(0.904)	410202	8.84394	8.84394
60 TAME	73	7.383	7.388	(0.970)	2907271	47.7208	47.7208
64 2-Pentanone	43	8.306	8.310	(1.092)	457338	50.1070	50.1070
65 Methyl Cyclohexane	55	8.341	8.363	(1.096)	360024	8.95028	8.95028
67 Methyl Methacrylate	100	8.498	8.519	(1.117)	91977	17.3850	17.3850
71 2-nitropropane	41	9.072	9.076	(1.192)	25651	10.9719	10.9719
72 2-Chloroethyl vinyl ether	63	9.142	9.146	(1.201)	85676	9.57598	9.57598
78 Ethyl methacrylate	69	10.273	10.278	(0.859)	483060	17.4019	17.4019
84 Tetrahydrothiophene	60	11.109	11.113	(0.929)	90699	10.6733	10.6733
96 cis-1,4-dichloro-2-butene	53	13.355	13.359	(0.906)	42064	14.4787	14.4787
102 t-1,4-Dichloro-2-butene	53	13.686	13.690	(0.928)	35384	9.50926	9.50926
114 1,2,3-Trimethylbenzene	105	14.817	14.822	(1.005)	777745	9.52243	9.52243

Data File: H4471.D

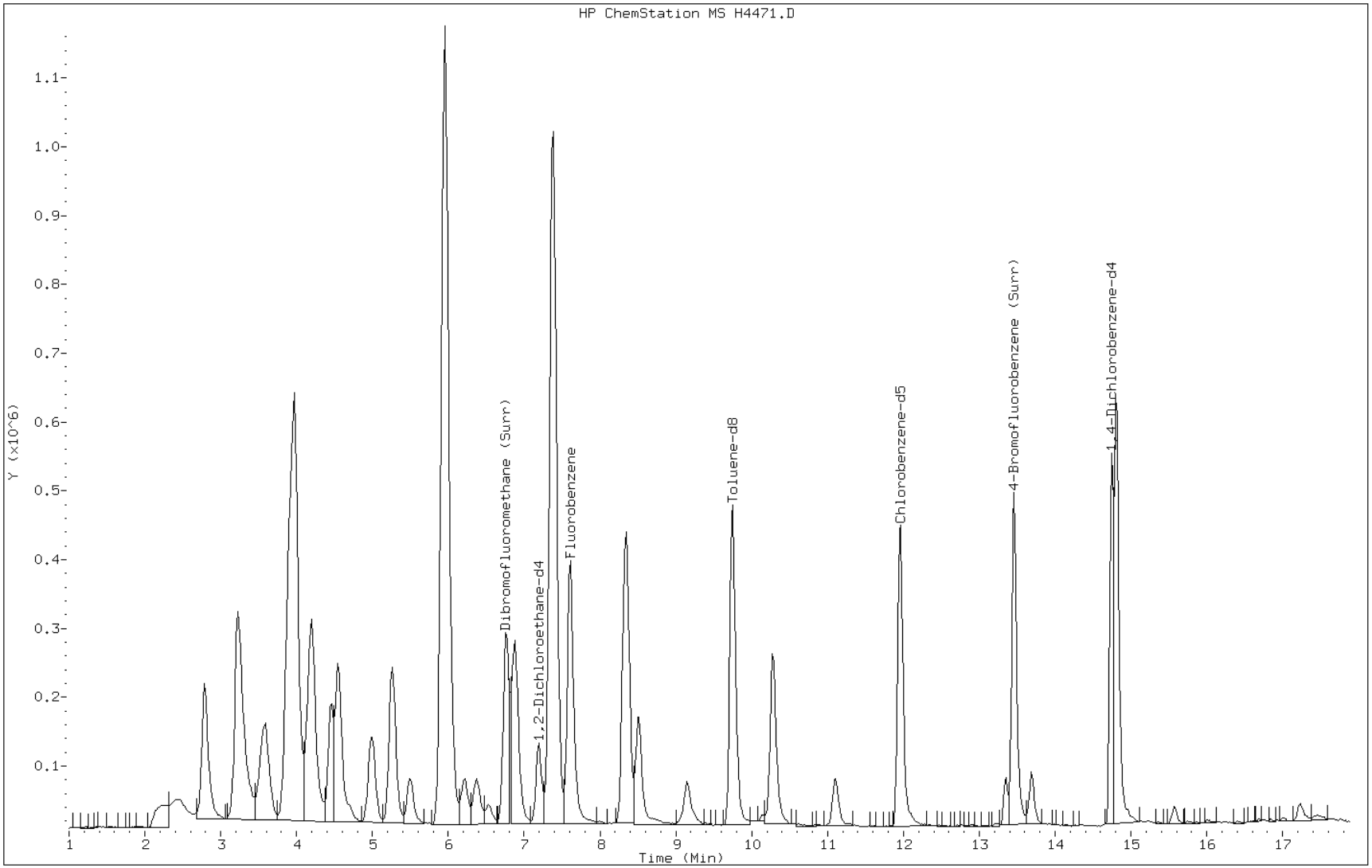
Date: 02-JUL-2012 18:26

Client ID: ICV

Instrument: H.i

Sample Info: ICV,,S

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Lab Sample ID: CCV 280-126758/2 Calibration Date: 07/05/2012 08:21

Instrument ID: MSV_H Calib Start Date: 07/02/2012 12:30

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 07/02/2012 14:44

Lab File ID: H4530.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3724	0.3872		20.8	20.0	4.0	20.0
Xylenes, Total	Ave	2.374	2.278		28.8	30.0	-4.0	35.0
Dichlorodifluoromethane	Ave	0.4703	0.3861		8.21	10.0	-17.9	20.0
Chloromethane	Ave	0.2514	0.2391	0.1000	9.51	10.0	-4.9	20.0
Vinyl chloride	Ave	0.2989	0.3203		10.7	10.0	7.2	20.0
Bromomethane	Ave	0.3005	0.3089		10.3	10.0	2.8	20.0
Chloroethane	Ave	0.2102	0.2228		10.6	10.0	6.0	20.0
Trichlorofluoromethane	Ave	0.6228	0.5790		9.30	10.0	-7.0	20.0
Ethanol	Lin	0.0008	0.0007		502	500	0.5	50.0
Acrolein	Ave	0.0157	0.0155		98.1	99.5	-1.4	50.0
1,1-Dichloroethene	Ave	0.3201	0.3543		11.1	10.0	10.7	20.0
Acetone	Ave	0.0228	0.0187		32.7	40.0	-18.2	20.0
Iodomethane	Ave	0.8205	0.9233		11.3	10.0	12.5	35.0
Acetonitrile	Lin1	0.0037	0.0038		90.2	100	-9.8	50.0
Methylene Chloride	Lin2	0.3954	0.3225		8.79	10.0	-12.1	20.0
2-Methyl-2-propanol	Ave	0.0122	0.0108		177	200	-11.7	50.0
Acrylonitrile	Ave	0.0276	0.0268		97.0	100	-3.0	50.0
trans-1,2-Dichloroethene	Ave	0.3748	0.3903		10.4	10.0	4.1	20.0
1,1-Dichloroethane	Ave	0.6395	0.6514	0.1000	10.2	10.0	1.9	20.0
Isopropyl ether	Ave	0.2833	0.2927		51.7	50.0	3.3	35.0
2-Chloro-1,3-butadiene	Ave	0.4157	0.3920		9.43	10.0	-5.7	35.0
2-Butanone (MEK)	Ave	0.0466	0.0417		35.7	40.0	-10.7	20.0
cis-1,2-Dichloroethene	Ave	0.3699	0.3842		10.4	10.0	3.9	20.0
2,2-Dichloropropane	Ave	0.4820	0.4667		9.68	10.0	-3.2	20.0
Propionitrile	Ave	0.0104	0.0102		97.9	100	-2.1	50.0
Methacrylonitrile	Ave	0.0607	0.0563		92.8	100	-7.2	50.0
Chlorobromomethane	Ave	0.2022	0.2105		10.4	10.0	4.1	20.0
Chloroform	Ave	0.6371	0.6245		9.80	10.0	-2.0	20.0
1,1,1-Trichloroethane	Ave	0.5793	0.5477		9.45	10.0	-5.5	20.0
1,1-Dichloropropene	Ave	0.5501	0.5559		10.1	10.0	1.1	20.0
Carbon tetrachloride	Ave	0.5863	0.5349		9.12	10.0	-8.8	20.0
Isobutyl alcohol	Ave	0.0033	0.0026		156	200	-22.2	50.0
Benzene	Ave	1.044	1.105		10.6	10.0	5.8	20.0
1,2-Dichloroethane	Ave	0.2416	0.2176		9.01	10.0	-9.9	20.0
Trichloroethene	Ave	0.4511	0.4434		9.83	10.0	-1.7	20.0
1,2-Dichloropropane	Ave	0.3916	0.3878		9.90	10.0	-1.0	20.0
1,4-Dioxane	Ave	0.0012	0.0013		556	500	11.1	50.0
Dibromomethane	Ave	0.2271	0.2212		9.74	10.0	-2.6	20.0
Dichlorobromomethane	Ave	0.5532	0.5314		9.61	10.0	-3.9	20.0
cis-1,3-Dichloropropene	Ave	0.4967	0.5015		10.1	10.0	1.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1501	0.1368		36.5	40.0	-8.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Lab Sample ID: CCV 280-126758/2 Calibration Date: 07/05/2012 08:21

Instrument ID: MSV_H Calib Start Date: 07/02/2012 12:30

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 07/02/2012 14:44

Lab File ID: H4530.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.158	1.215		10.5	10.0	4.9	20.0
trans-1,3-Dichloropropene	Ave	0.3607	0.3417		9.47	10.0	-5.3	20.0
1,1,2-Trichloroethane	Ave	0.2400	0.2411		10.0	10.0	0.5	20.0
Tetrachloroethene	Ave	1.863	1.880		10.1	10.0	1.0	20.0
1,3-Dichloropropane	Ave	1.630	1.582		9.71	10.0	-2.9	20.0
2-Hexanone	Ave	0.4590	0.3778		32.9	40.0	-17.7	20.0
Chlorodibromomethane	Ave	2.039	1.872		9.18	10.0	-8.2	20.0
Ethylene Dibromide	Ave	1.432	1.304		9.11	10.0	-8.9	20.0
1-Chlorohexane	Ave	2.522	2.504		10.2	10.2	-0.7	35.0
Chlorobenzene	Ave	3.710	3.661	0.3000	9.87	10.0	-1.3	20.0
1,1,1,2-Tetrachloroethane	Ave	1.847	1.763		9.55	10.0	-4.5	20.0
Ethylbenzene	Ave	1.826	1.802		9.86	10.0	-1.4	20.0
m-Xylene & p-Xylene	Ave	2.453	2.358		19.2	20.0	-3.9	20.0
o-Xylene	Ave	2.214	2.119		9.57	10.0	-4.3	20.0
Styrene	Ave	3.594	3.498		9.73	10.0	-2.7	20.0
Bromoform	Ave	1.062	1.023	0.1000	9.64	10.0	-3.6	20.0
Isopropylbenzene	Ave	4.336	3.948		9.10	10.0	-9.0	20.0
Cyclohexanone	Ave	0.0199	0.0180		362	400	-9.5	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8796	0.7987	0.3000	9.08	10.0	-9.2	20.0
Bromobenzene	Ave	1.145	1.095		9.57	10.0	-4.3	20.0
1,2,3-Trichloropropane	Ave	0.1996	0.1773		8.89	10.0	-11.1	20.0
N-Propylbenzene	Ave	1.194	1.070		8.96	10.0	-10.4	20.0
2-Chlorotoluene	Ave	1.021	0.9248		9.06	10.0	-9.4	20.0
1,3,5-Trimethylbenzene	Ave	3.203	2.851		8.90	10.0	-11.0	20.0
4-Chlorotoluene	Ave	1.129	1.017		9.01	10.0	-9.9	20.0
tert-Butylbenzene	Ave	3.819	3.462		9.07	10.0	-9.3	20.0
1,2,4-Trimethylbenzene	Ave	3.074	2.735		8.90	10.0	-11.0	20.0
sec-Butylbenzene	Ave	1.026	0.9617		9.37	10.0	-6.3	20.0
1,3-Dichlorobenzene	Ave	1.995	1.810		9.07	10.0	-9.3	20.0
4-Isopropyltoluene	Ave	4.209	3.777		8.97	10.0	-10.3	20.0
1,4-Dichlorobenzene	Ave	2.319	2.292		9.88	10.0	-1.2	20.0
n-Butylbenzene	Ave	3.613	3.312		9.17	10.0	-8.3	20.0
1,2-Dichlorobenzene	Ave	1.695	1.598		9.43	10.0	-5.7	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1691	0.1583		9.36	10.0	-6.4	20.0
1,2,4-Trichlorobenzene	Ave	1.263	1.124		8.90	10.0	-11.0	20.0
Hexachlorobutadiene	Ave	1.147	0.9772		8.52	10.0	-14.8	20.0
Naphthalene	Ave	1.468	1.353		9.22	10.0	-7.8	20.0
1,2,3-Trichlorobenzene	Ave	1.004	0.8736		8.70	10.0	-13.0	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4530.D
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 05-JUL-2012 08:21
Operator : MEIERG Inst ID: H.i
Smp Info : CCV,,M
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\8260B-H2O.m
Meth Date : 06-Jul-2012 05:07 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61	Fluorobenzene	96	7.594	7.594	(1.000)	968631	12.5000	
* 86	Chlorobenzene-d5	119	11.946	11.946	(1.000)	235737	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.732	14.732	(1.000)	379479	12.5000	
M 1	1,2-Dichloroethene (total)	96				600131	20.0000	20.7976
M 2	Xylene (total)	106				1289093	30.0000	28.7948
M 3	1,3-Dichloropropene (total)	75				653390	20.0000	19.5710
M 4	Trihalomethanes (total)	83				1441817	40.0000	38.2316
6	dichlorodifluoromethane	85	2.649	2.649	(0.349)	299167	10.0000	8.20930
8	Chloromethane	50	2.824	2.824	(0.372)	185278	10.0000	9.51178
9	Vinyl Chloride	62	2.963	2.963	(0.390)	248216	10.0000	10.7177
12	Bromomethane	94	3.276	3.276	(0.431)	239359	10.0000	10.2775
13	Chloroethane	64	3.346	3.346	(0.441)	172624	10.0000	10.5959
15	Trichlorofluoromethane	101	3.607	3.607	(0.475)	448671	10.0000	9.29748(Q)
16	Ethanol	45	3.799	3.799	(0.500)	28690	500.000	502.352
20	Acrolein	56	4.060	4.060	(0.535)	119579	100.000	98.0750
22	Acetone	43	4.216	4.216	(0.555)	57900	40.0000	32.7162
21	1,1-Dichloroethene	96	4.147	4.147	(0.546)	274550	10.0000	11.0694
25	Iodomethane	142	4.356	4.356	(0.574)	715461	10.0000	11.2531
27	Acetonitrile	41	4.565	4.565	(0.601)	29522	100.000	90.1705(Q)
31	tert-Butyl alcohol	59	4.791	4.791	(0.631)	167557	200.000	176.547
30	Methylene Chloride	84	4.686	4.686	(0.617)	249903	10.0000	8.79309
32	Acrylonitrile	53	4.965	4.965	(0.654)	207691	100.000	96.9956

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
34	trans-1,2-Dichloroethene	96	4.982	4.982	(0.656)	302415	10.0000	10.4111
38	Isopropyl ether	87	5.505	5.505	(0.725)	1133910	50.0000	51.6521
36	1,1-Dichloroethane	63	5.470	5.470	(0.720)	504771	10.0000	10.1865
39	Chloroprene	53	5.574	5.574	(0.734)	303788	10.0000	9.43002
42	2-Butanone	43	6.166	6.166	(0.812)	129098	40.0000	35.7160
41	cis-1,2-Dichloroethene	96	6.166	6.166	(0.812)	297716	10.0000	10.3865
45	Propionitrile	54	6.271	6.271	(0.826)	78795	100.000	97.8906
43	2,2-Dichloropropane	77	6.184	6.184	(0.814)	361682	10.0000	9.68431
47	Methacrylonitrile	41	6.427	6.427	(0.846)	436560	100.000	92.8027
48	Bromochloromethane	128	6.462	6.462	(0.851)	163120	10.0000	10.4106
50	Chloroform	83	6.549	6.549	(0.862)	483946	10.0000	9.80215
52	1,1,1-Trichloroethane	97	6.793	6.793	(0.895)	424413	10.0000	9.45376
56	Isobutanol	41	7.106	7.106	(0.936)	39486	200.000	155.566
54	1,1-Dichloropropene	75	6.984	6.984	(0.920)	430798	10.0000	10.1070
55	Carbon Tetrachloride	117	7.002	7.002	(0.922)	414501	10.0000	9.12310
59	1,2-Dichloroethane	62	7.280	7.280	(0.959)	168625	10.0000	9.00828
58	Benzene	78	7.246	7.246	(0.954)	855916	10.0000	10.5756
62	n-Butanol	56	7.959	7.959	(1.048)	80550	300.000	278.172
63	Trichloroethene	95	8.081	8.081	(1.064)	343571	10.0000	9.82928
66	1,2-Dichloropropane	63	8.395	8.395	(1.105)	300503	10.0000	9.90241
69	1,4-Dioxane	88	8.569	8.569	(1.128)	51136	500.000	555.718
68	Dibromomethane	93	8.569	8.569	(1.128)	171389	10.0000	9.73927
70	Bromodichloromethane	83	8.760	8.760	(1.154)	411742	10.0000	9.60539
73	cis-1,3-Dichloropropene	75	9.352	9.352	(1.232)	388607	10.0000	10.0970
74	4-Methyl-2-pentanone	43	9.561	9.561	(1.259)	424092	40.0000	36.4548
76	Toluene	91	9.822	9.822	(1.293)	941486	10.0000	10.4880
77	trans-1,3-Dichloropropene	75	10.153	10.153	(1.337)	264783	10.0000	9.47392
79	1,1,2-Trichloroethane	97	10.449	10.449	(1.376)	186835	10.0000	10.0452
82	2-Hexanone	43	10.849	10.849	(0.908)	285000	40.0000	32.9232
81	1,3-Dichloropropane	76	10.728	10.728	(0.898)	298412	10.0000	9.70731
80	Tetrachloroethene	164	10.693	10.693	(0.895)	354633	10.0000	10.0961
83	Dibromochloromethane	129	11.111	11.111	(0.930)	353121	10.0000	9.18350
85	1,2-Dibromoethane	107	11.302	11.302	(0.946)	245960	10.0000	9.10512
87	1-Chlorohexane	91	11.929	11.929	(0.999)	483925	10.0000	10.1737
88	Chlorobenzene	112	11.981	11.981	(1.003)	690376	10.0000	9.86681
89	1,1,1,2-Tetrachloroethane	131	12.103	12.103	(1.013)	332553	10.0000	9.54788
90	Ethylbenzene	106	12.120	12.120	(1.015)	339776	10.0000	9.86467
91	m and p-Xylene	106	12.277	12.277	(1.028)	889462	20.0000	19.2258
92	o-Xylene	106	12.799	12.799	(1.071)	399631	10.0000	9.56905
93	Styrene	104	12.817	12.817	(1.073)	659640	10.0000	9.73104
94	Bromoform	173	13.078	13.078	(1.095)	193008	10.0000	9.64052
95	isopropyl benzene	105	13.252	13.252	(0.900)	1198498	10.0000	9.10435
97	Cyclohexanone	55	13.391	13.391	(1.121)	135505	400.000	361.812
99	1,1,2,2-Tetrachloroethane	83	13.618	13.618	(0.924)	242484	10.0000	9.08107
101	1,2,3-Trichloropropane	110	13.670	13.670	(0.928)	53837	10.0000	8.88525
100	Bromobenzene	156	13.635	13.635	(0.926)	332524	10.0000	9.56947
103	n-Propylbenzene	120	13.739	13.739	(0.933)	324942	10.0000	8.96181
104	2-Chlorotoluene	126	13.844	13.844	(0.940)	280738	10.0000	9.05640
105	1,3,5-Trimethylbenzene	105	13.931	13.931	(0.946)	865626	10.0000	8.90080
106	4-Chlorotoluene	126	13.966	13.966	(0.948)	308667	10.0000	9.00738
107	tert-Butylbenzene	119	14.296	14.296	(0.970)	1051006	10.0000	9.06602
108	1,2,4-Trimethylbenzene	105	14.349	14.349	(0.974)	830216	10.0000	8.89544
109	sec-Butylbenzene	134	14.540	14.540	(0.987)	291947	10.0000	9.37352
111	4-Isopropyltoluene	119	14.679	14.679	(0.996)	1146579	10.0000	8.97386

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
110 1,3-Dichlorobenzene	146	14.662	14.662	(0.995)	549464	10.0000	9.07142
113 1,4-dichlorobenzene	146	14.767	14.767	(1.002)	695741	10.0000	9.88348
115 n-Butylbenzene	91	15.097	15.097	(1.025)	1005525	10.0000	9.16798
116 1,2-Dichlorobenzene	146	15.150	15.150	(1.028)	485254	10.0000	9.43277
117 1,2-Dibromo-3-chloropropane	157	15.916	15.916	(1.080)	48045	10.0000	9.35824
118 1,2,4-Trichlorobenzene	180	16.682	16.682	(1.132)	341144	10.0000	8.89952
119 Hexachlorobutadiene	225	16.838	16.838	(1.143)	296656	10.0000	8.51787
120 Naphthalene	128	16.925	16.925	(1.149)	410880	10.0000	9.21808
121 1,2,3-Trichlorobenzene	180	17.186	17.186	(1.167)	265194	10.0000	8.69717

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: H4530.D

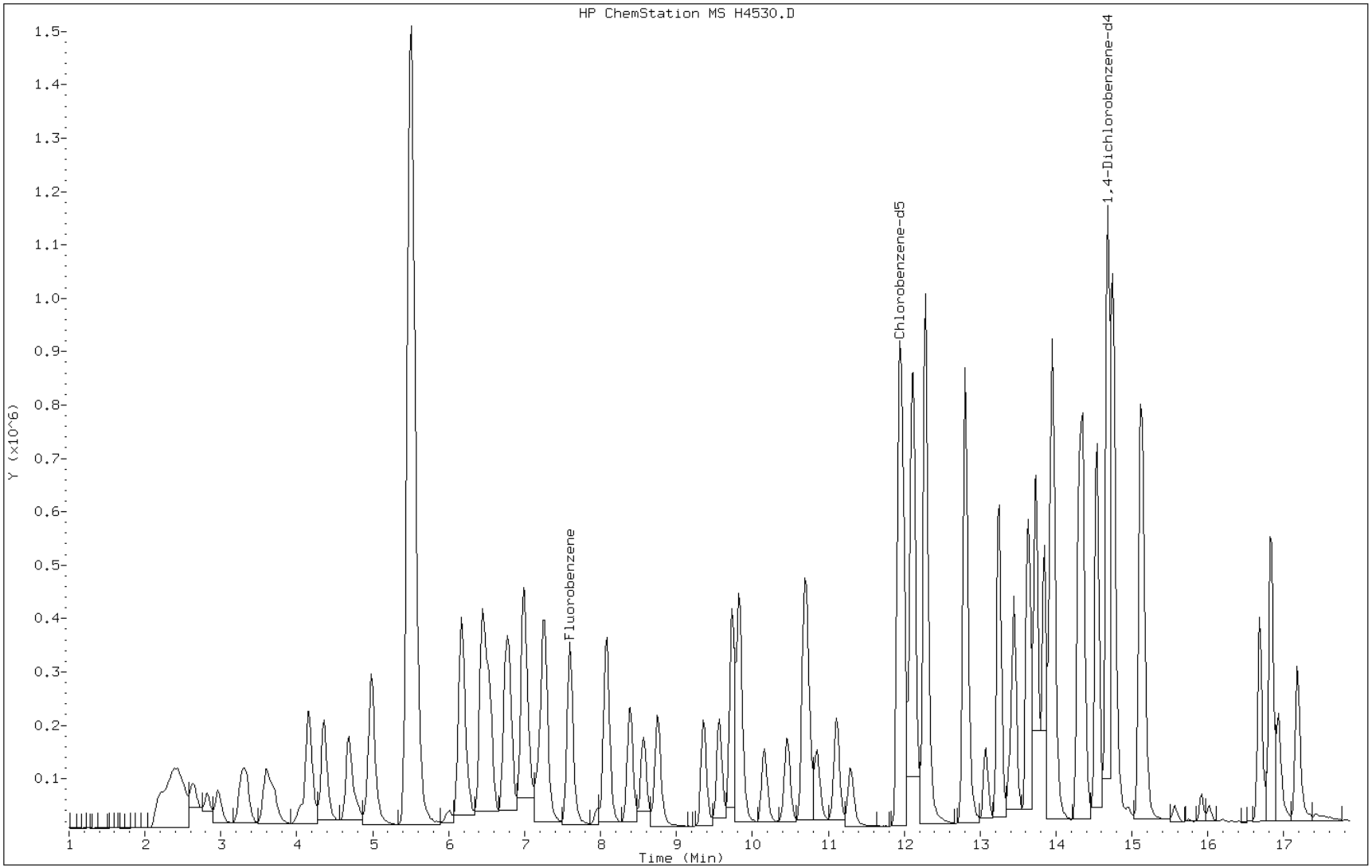
Date: 05-JUL-2012 08:21

Client ID: CCV

Instrument: H.i

Sample Info: CCV,,M

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Lab Sample ID: CCV 280-126758/3 Calibration Date: 07/05/2012 08:44

Instrument ID: MSV_H Calib Start Date: 07/02/2012 16:13

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 07/02/2012 18:04

Lab File ID: H4531.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.6745	0.6206		9.20	10.0	-8.0	50.0
Ethyl ether	Ave	0.1990	0.1863		9.36	10.0	-6.4	35.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.8379	0.8207		9.79	10.0	-2.1	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.4232	0.4490		10.6	10.0	6.1	50.0
Isopropyl alcohol	Lin2	0.0070	0.0052		173	200	-13.5	50.0
Carbon disulfide	Ave	1.050	0.9265		8.82	10.0	-11.8	20.0
Methyl acetate	Ave	0.0932	0.0750		40.2	50.0	-19.5	50.0
Allyl chloride	Ave	0.4064	0.3373		8.30	10.0	-17.0	35.0
Methyl tert-butyl ether	Ave	0.6027	0.4996		8.29	10.0	-17.1	20.0
Hexane	Ave	1.984	1.829		9.22	10.0	-7.8	20.0
Vinyl acetate	Lin2	0.2509	0.2214		18.3	20.0	-8.7	50.0
Tert-butyl ethyl ether	Ave	0.9501	0.8454		44.5	50.0	-11.0	35.0
Ethyl acetate	Ave	0.1251	0.1007		16.1	20.0	-19.5	50.0
2-Butanol	Ave	0.0105	0.0084		239	300	-20.3	50.0
Tetrahydrofuran	Lin1	0.0296	0.0218		16.1	20.0	-19.4	50.0
Cyclohexane	Ave	0.5533	0.5121		9.26	10.0	-7.4	35.0
Tert-amyl methyl ether	Ave	0.7268	0.6874		47.3	50.0	-5.4	35.0
2-Pentanone	Ave	0.1089	0.0980		36.0	40.0	-10.0	50.0
Methylcyclohexane	Ave	0.4799	0.4797		10.0	10.0	-0.0	35.0
Methyl methacrylate	Ave	0.0631	0.0539		17.1	20.0	-14.7	35.0
2-Nitropropane	Lin	0.0307	0.0197		6.72	10.0	-32.8	50.0
2-Chloroethyl vinyl ether	Ave	0.1067	0.0967		9.06	10.0	-9.4	50.0
Ethyl methacrylate	Ave	1.297	1.192		18.4	20.0	-8.1	35.0
cis-1,4-Dichloro-2-butene	Ave	0.0951	0.0817		8.59	10.0	-14.1	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1218	0.0987		8.10	10.0	-19.0	50.0
Dibromofluoromethane (Surr)	Ave	0.6877	0.6327		8.28	9.00	-8.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2481	0.2128		7.72	9.00	-14.2	20.0
Toluene-d8 (Surr)	Ave	4.744	5.153		9.78	9.00	8.6	20.0
4-Bromofluorobenzene (Surr)	Ave	1.554	1.552		8.99	9.00	-0.1	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4531.D
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 05-JUL-2012 08:44
Operator : MEIERG Inst ID: H.i
Smp Info : CCV,,S
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\8260B-H2O.m
Meth Date : 06-Jul-2012 05:07 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.595	7.595	(1.000)	970659	12.5000	
* 86 Chlorobenzene-d5	119	11.947	11.947	(1.000)	237489	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.733	14.733	(1.000)	359392	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	6.759	6.759	(0.890)	442150	10.0000	8.28023
$ 57 1,2-Dichloroethane-d4	65	7.177	7.177	(0.945)	148724	10.0000	7.72077
$ 75 Toluene-d8	98	9.736	9.736	(0.815)	881106	10.0000	9.77606
$ 98 4-Bromofluorobenzene (Surr)	95	13.444	13.444	(0.913)	401527	10.0000	8.98851
7 1,2-Dichlorotetrafluoroethane	85	2.772	2.772	(0.365)	363133	10.0000	8.63424
11 Ethylene Oxide	43	3.225	3.225	(0.425)	312357	1250.00	966.384
14 Dichlorofluoromethane	67	3.573	3.573	(0.471)	481897	10.0000	9.20099
18 1,2-dichloro-1,1,2-trifluoro	117	3.904	3.904	(0.514)	386523	10.0000	9.32338
17 Ethyl Ether	59	3.869	3.869	(0.509)	144692	10.0000	9.36313
19 2,2-dichloro-1,1,1-trifluoro	83	3.956	3.956	(0.521)	637292	10.0000	9.79474
23 Trichlorotrifluoroethane	151	4.182	4.182	(0.551)	348654	10.0000	10.6103
24 2-propanol	45	4.356	4.356	(0.574)	81068	200.000	172.916
28 Methyl Acetate	43	4.531	4.531	(0.597)	291109	50.0000	40.2332
29 Allyl Chloride	41	4.548	4.548	(0.599)	261900	10.0000	8.29889
26 Carbon Disulfide	76	4.444	4.444	(0.585)	719478	10.0000	8.82062
33 Methyl t-butyl ether	73	4.983	4.983	(0.656)	387938	10.0000	8.28966
35 Hexane	57	5.244	5.244	(0.439)	347489	10.0000	9.21948
37 Vinyl acetate	43	5.488	5.488	(0.723)	343825	20.0000	18.2608
40 ETBE	59	5.941	5.941	(0.782)	3282460	50.0000	44.4921

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44 Ethyl Acetate	43	6.202	6.202	(0.817)	156424	20.0000	16.0969
46 2-Butanol	45	6.359	6.359	(0.837)	195121	300.000	238.958
49 Tetrahydrofuran	42	6.533	6.533	(0.860)	33882	20.0000	16.1225
53 Cyclohexane	56	6.863	6.863	(0.904)	397671	10.0000	9.25544
60 TAME	73	7.368	7.368	(0.970)	2668849	50.0000	47.2902
64 2-Pentanone	43	8.308	8.308	(1.094)	304237	40.0000	35.9830
65 Methyl Cyclohexane	55	8.343	8.343	(1.099)	372503	10.0000	9.99678
67 Methyl Methacrylate	100	8.500	8.500	(1.119)	83650	20.0000	17.0681
71 2-nitropropane	41	9.074	9.074	(1.195)	15302	10.0000	6.71982
72 2-Chloroethyl vinyl ether	63	9.127	9.127	(1.202)	75070	10.0000	9.05765
78 Ethyl methacrylate	69	10.276	10.276	(0.860)	453041	20.0000	18.3834
84 Tetrahydrothiophene	60	11.094	11.094	(0.929)	66279	10.0000	8.78551
96 cis-1,4-dichloro-2-butene	53	13.340	13.340	(0.905)	23475	10.0000	8.58658
102 t-1,4-Dichloro-2-butene	53	13.671	13.671	(0.928)	28380	10.0000	8.10491
114 1,2,3-Trimethylbenzene	105	14.802	14.802	(1.005)	737184	10.0000	9.59141

Data File: H4531.D

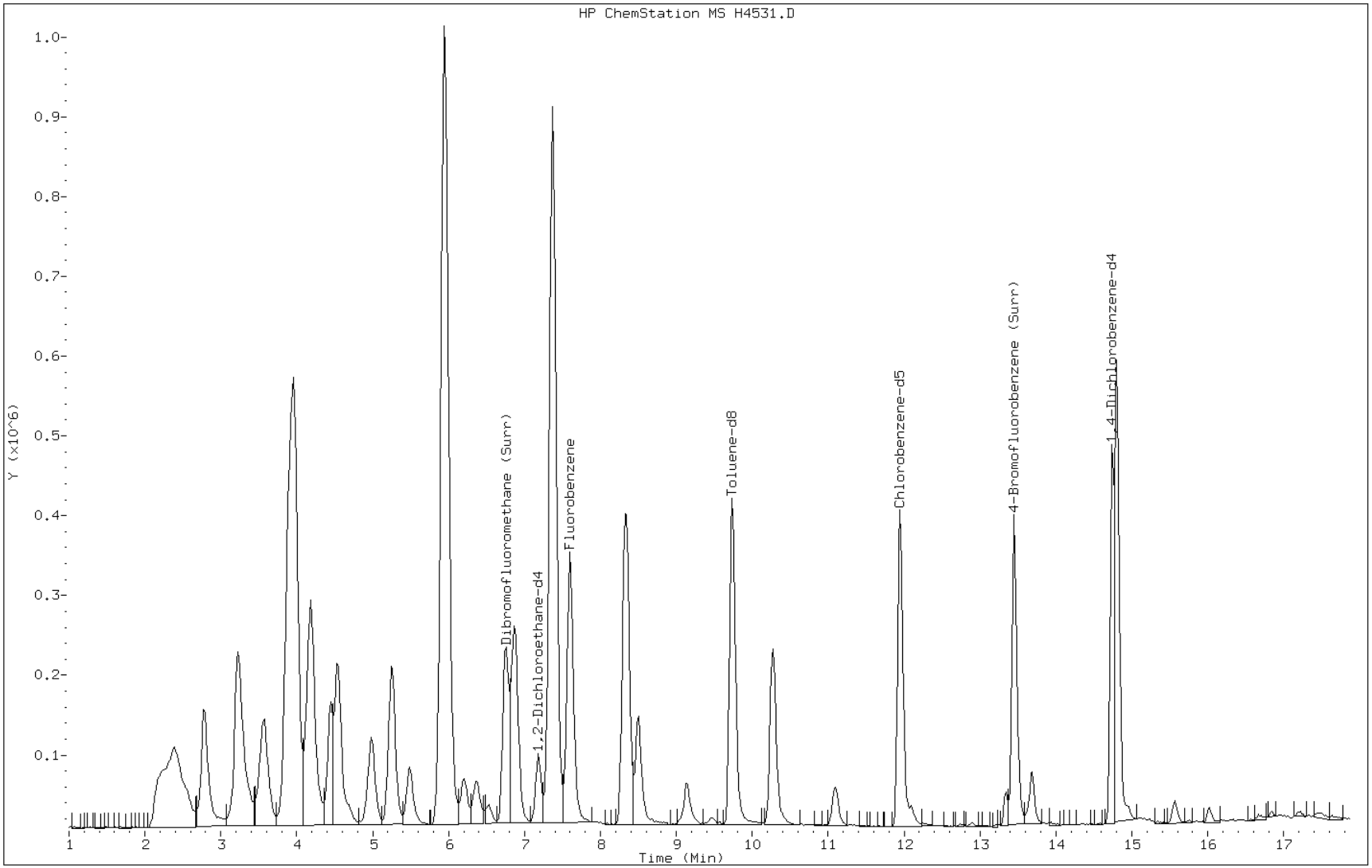
Date: 05-JUL-2012 08:44

Client ID: CCV

Instrument: H.i

Sample Info: CCV,,S

Operator: MEIERG



TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4454.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 02-JUL-2012 12:21
Operator : MEIERG Inst ID: H.i
Smp Info : BFB,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\bfb390.m
Meth Date : 11-Apr-2011 10:27 meierg Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC232

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
2.880	2.500	(0.000)	95	29120			0.00- 100.00	100.00
2.880	2.500	(0.000)	50	5564			15.00- 40.00	19.11
2.880	2.500	(0.000)	75	12969			30.00- 60.00	44.54
2.880	2.500	(0.000)	96	1925			5.00- 9.00	6.61
2.880	2.500	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
2.880	2.500	(0.000)	174	20792			50.00- 0.00	71.40
2.880	2.500	(0.000)	175	1659			5.00- 9.00	7.98
2.880	2.500	(0.000)	176	20960			95.00- 101.00	100.81
2.880	2.500	(0.000)	177	1479			5.00- 9.00	7.06

Data File: H4454.D

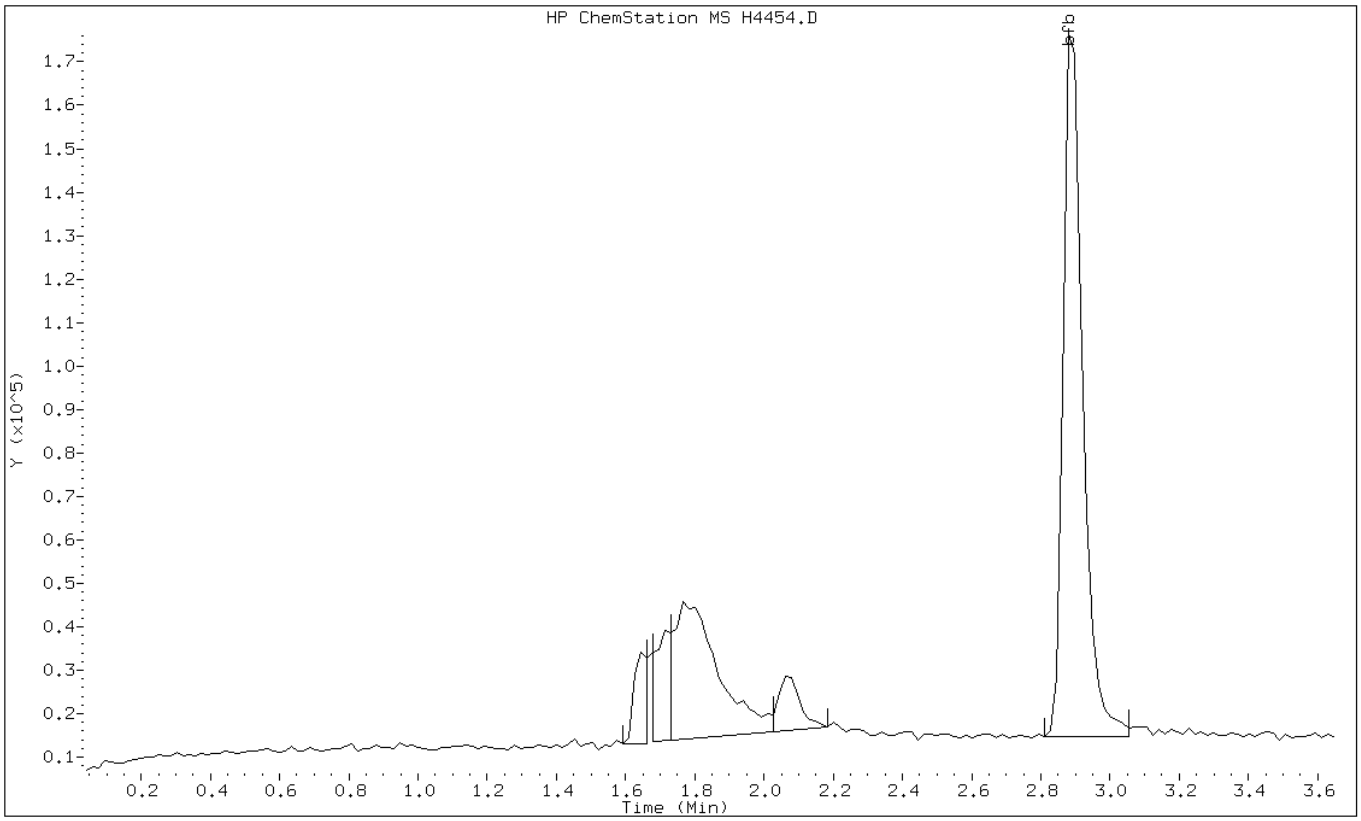
Date: 02-JUL-2012 12:21

Client ID: BFB

Instrument: H.i

Sample Info: BFB,,

Operator: MEIERG



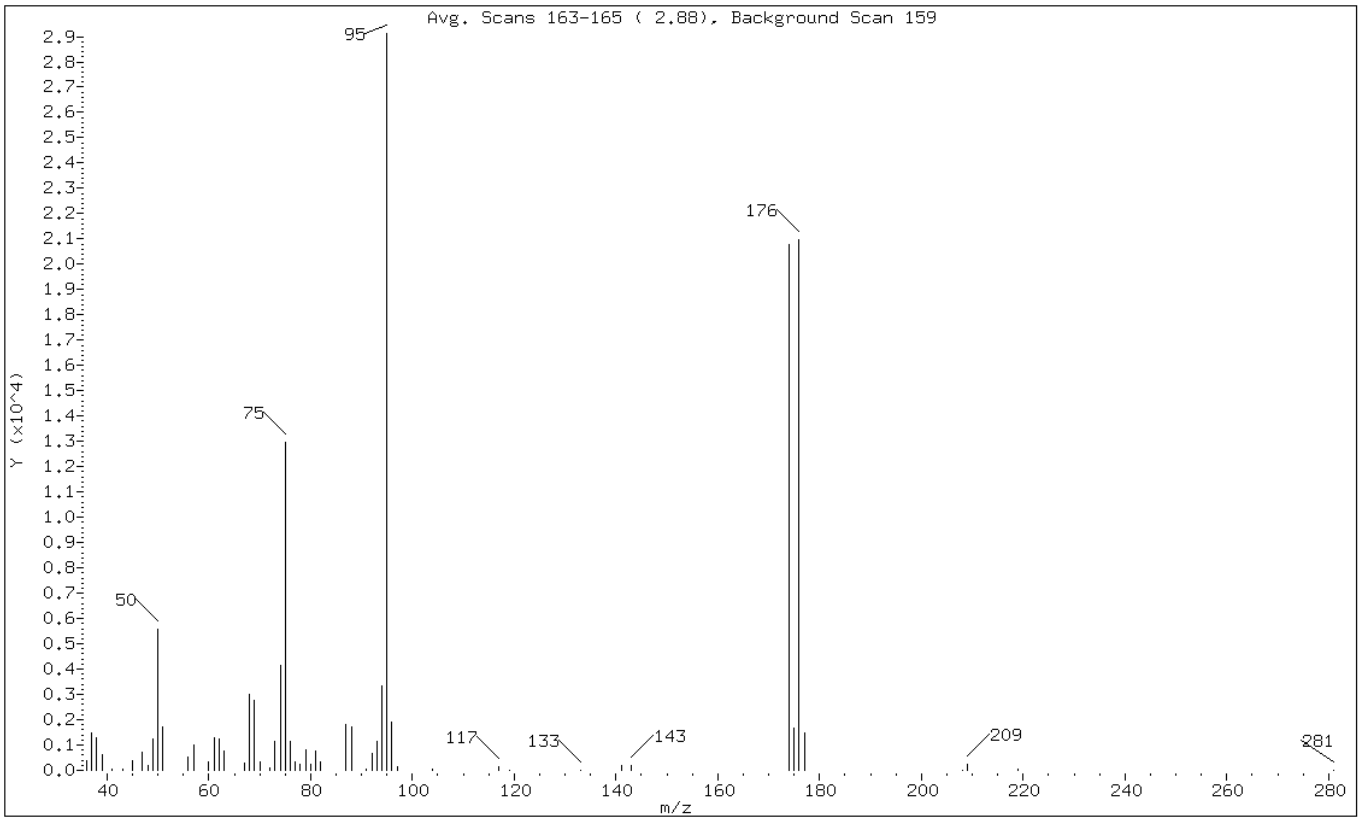
Data File: H4454.D

Date: 02-JUL-2012 12:21

Client ID: BFB Instrument: H.i

Sample Info: BFB,, Operator: MEIERG

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.11
75	30.00 - 60.00% of mass 95	44.54
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	71.40
175	5.00 - 9.00% of mass 174	5.70 (7.98)
176	95.00 - 101.00% of mass 174	71.98 (100.81)
177	5.00 - 9.00% of mass 176	5.08 (7.06)

Data File: H4454.D

Date: 02-JUL-2012 12:21

Client ID: BFB Instrument: H.i

Sample Info: BFB,, Operator: MEIERG

Data File: \\DenSvr03\Public\chem\MSV\H.i\070212I\H4454.D
Spectrum: Avg. Scans 163-165 (2.88), Background Scan 159
Location of Maximum: 95.00
Number of points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	367	61.00	1271	80.00	230	133.00	16
37.00	1455	62.00	1223	81.00	751	141.00	175
38.00	1298	63.00	768	82.00	342	143.00	188
39.00	607	67.00	268	87.00	1795	174.00	20792
41.00	69	68.00	2985	88.00	1701	175.00	1659
43.00	52	69.00	2761	91.00	62	176.00	20960
45.00	390	70.00	354	92.00	670	177.00	1479
47.00	711	72.00	74	93.00	1132	208.00	14
48.00	195	73.00	1131	94.00	3348	209.00	228
49.00	1240	74.00	4168	95.00	29120	219.00	60
50.00	5564	75.00	12969	96.00	1925	281.00	14
51.00	1706	76.00	1149	97.00	145		
56.00	502	77.00	311	104.00	67		
57.00	983	78.00	258	117.00	155		
60.00	339	79.00	824	119.00	2		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4529.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 05-JUL-2012 08:14
Operator : MEIERG Inst ID: H.i
Smp Info : BFB,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\bfb390.m
Meth Date : 11-Apr-2011 10:27 meierg Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC186

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
2.894	2.500	(0.000)	95	35360			0.00- 100.00	100.00
2.894	2.500	(0.000)	50	5527			15.00- 40.00	15.63
2.894	2.500	(0.000)	75	15289			30.00- 60.00	43.24
2.894	2.500	(0.000)	96	2231			5.00- 9.00	6.31
2.894	2.500	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
2.894	2.500	(0.000)	174	27320			50.00- 0.00	77.26
2.894	2.500	(0.000)	175	2260			5.00- 9.00	8.27
2.894	2.500	(0.000)	176	27208			95.00- 101.00	99.59
2.894	2.500	(0.000)	177	1822			5.00- 9.00	6.70

Data File: H4529.D

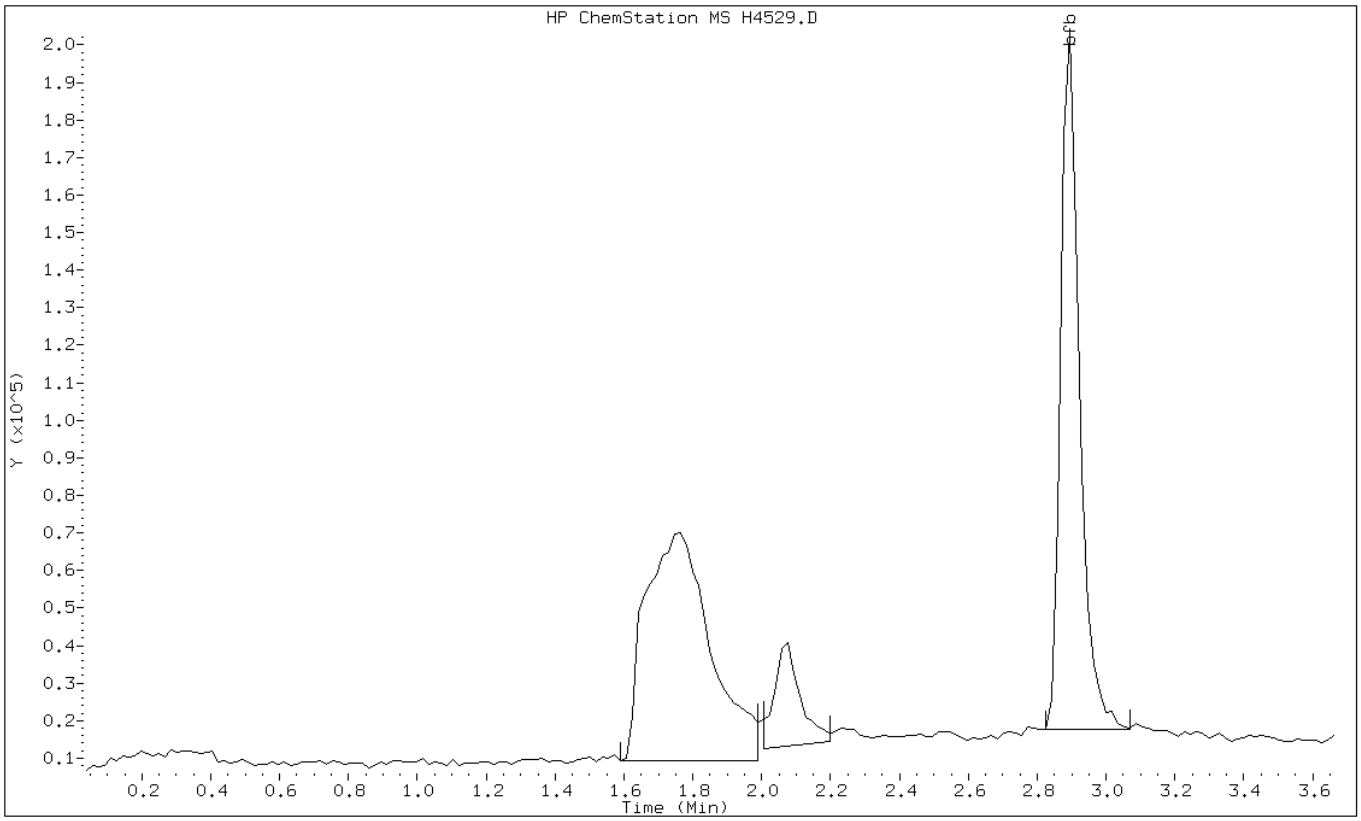
Date: 05-JUL-2012 08:14

Client ID: BFB

Instrument: H.i

Sample Info: BFB,,

Operator: MEIERG



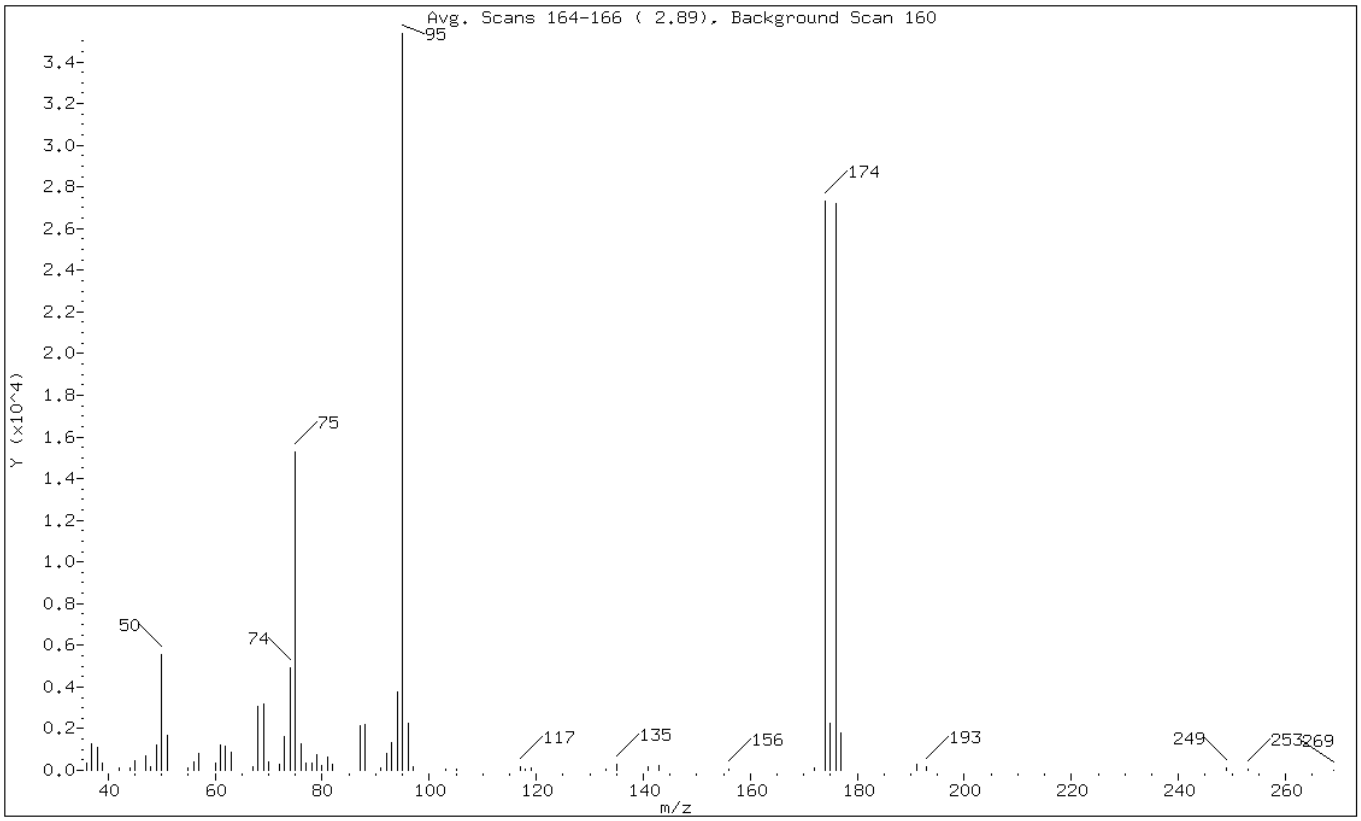
Data File: H4529.D

Date: 05-JUL-2012 08:14

Client ID: BFB Instrument: H.i

Sample Info: BFB,, Operator: MEIERG

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.63
75	30.00 - 60.00% of mass 95	43.24
96	5.00 - 9.00% of mass 95	6.31
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	77.26
175	5.00 - 9.00% of mass 174	6.39 (8.27)
176	95.00 - 101.00% of mass 174	76.95 (99.59)
177	5.00 - 9.00% of mass 176	5.15 (6.70)

Data File: H4529.D

Date: 05-JUL-2012 08:14

Client ID: BFB Instrument: H.i

Sample Info: BFB,, Operator: MEIERG

Data File: \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4529.D
Spectrum: Avg. Scans 164-166 (2.89), Background Scan 160
Location of Maximum: 95.00
Number of points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	361	61.00	1229	81.00	614	133.00	52
37.00	1292	62.00	1168	82.00	276	135.00	303
38.00	1089	63.00	879	87.00	2168	141.00	150
39.00	353	67.00	176	88.00	2194	143.00	260
42.00	97	68.00	3087	91.00	144	156.00	79
44.00	94	69.00	3161	92.00	798	172.00	99
45.00	459	70.00	419	93.00	1329	174.00	27320
47.00	720	72.00	293	94.00	3753	175.00	2260
48.00	179	73.00	1628	95.00	35360	176.00	27208
49.00	1209	74.00	4901	96.00	2231	177.00	1822
50.00	5527	75.00	15289	97.00	172	191.00	315
51.00	1653	76.00	1278	103.00	73	193.00	161
55.00	134	77.00	368	105.00	81	249.00	89
56.00	427	78.00	337	117.00	171	253.00	37
57.00	805	79.00	736	118.00	69	269.00	12
60.00	347	80.00	222	119.00	114		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-126758/6

Matrix: Water | Lab File ID: H4534.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 09:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-126758/6

Matrix: Water | Lab File ID: H4534.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 09:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-126758/6

Matrix: Water Lab File ID: H4534.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/05/2012 09:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126758 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	116		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		70-120
460-00-4	4-Bromofluorobenzene (Surr)	107		75-120
1868-53-7	Dibromofluoromethane (Surr)	101		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4534.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 05-JUL-2012 09:50
Operator : MEIERG Inst ID: H.i
Smp Info : MB,,AF
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\8260B-H2O.m
Meth Date : 05-Jul-2012 09:26 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.610	7.614	(1.000)	914613	12.5000	
* 86	Chlorobenzene-d5	119	11.945	11.966	(1.000)	229256	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.748	14.752	(1.000)	348699	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.757	6.761	(0.888)	455639	9.05572	9.05572
$ 57	1,2-Dichloroethane-d4	65	7.192	7.196	(0.945)	153716	8.46892	8.46892
$ 75	Toluene-d8	98	9.734	9.755	(0.815)	905368	10.4060	10.4060
$ 98	4-Bromofluorobenzene (Surr)	95	13.442	13.464	(0.911)	417520	9.63314	9.63314
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 2	Xylene (total)	106	Compound Not Detected.					
6	dichlorodifluoromethane	85	Compound Not Detected.					
7	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
8	Chloromethane	50	Compound Not Detected.					
9	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
17	Ethyl Ether	59	Compound Not Detected.					
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
88	Chlorobenzene	112	Compound Not Detected.					
89	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90	Ethylbenzene	106	Compound Not Detected.					
91	m and p-Xylene	106	Compound Not Detected.					
92	o-Xylene	106	Compound Not Detected.					
93	Styrene	104	Compound Not Detected.					
94	Bromoform	173	Compound Not Detected.					
95	isopropyl benzene	105	Compound Not Detected.					
96	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97	Cyclohexanone	55	Compound Not Detected.					
100	Bromobenzene	156	Compound Not Detected.					
99	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	1,2,3-Trichloropropane	110	Compound Not Detected.					
102	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103	n-Propylbenzene	120	Compound Not Detected.					
104	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106	4-Chlorotoluene	126	Compound Not Detected.					
107	tert-Butylbenzene	119	Compound Not Detected.					
108	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109	sec-Butylbenzene	134	Compound Not Detected.					
110	1,3-Dichlorobenzene	146	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
113	1,4-dichlorobenzene	146	Compound Not Detected.					
115	n-Butylbenzene	91	Compound Not Detected.					
116	1,2-Dichlorobenzene	146	Compound Not Detected.					
117	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119	Hexachlorobutadiene	225	Compound Not Detected.					
120	Naphthalene	128	Compound Not Detected.					
121	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: H4534.D

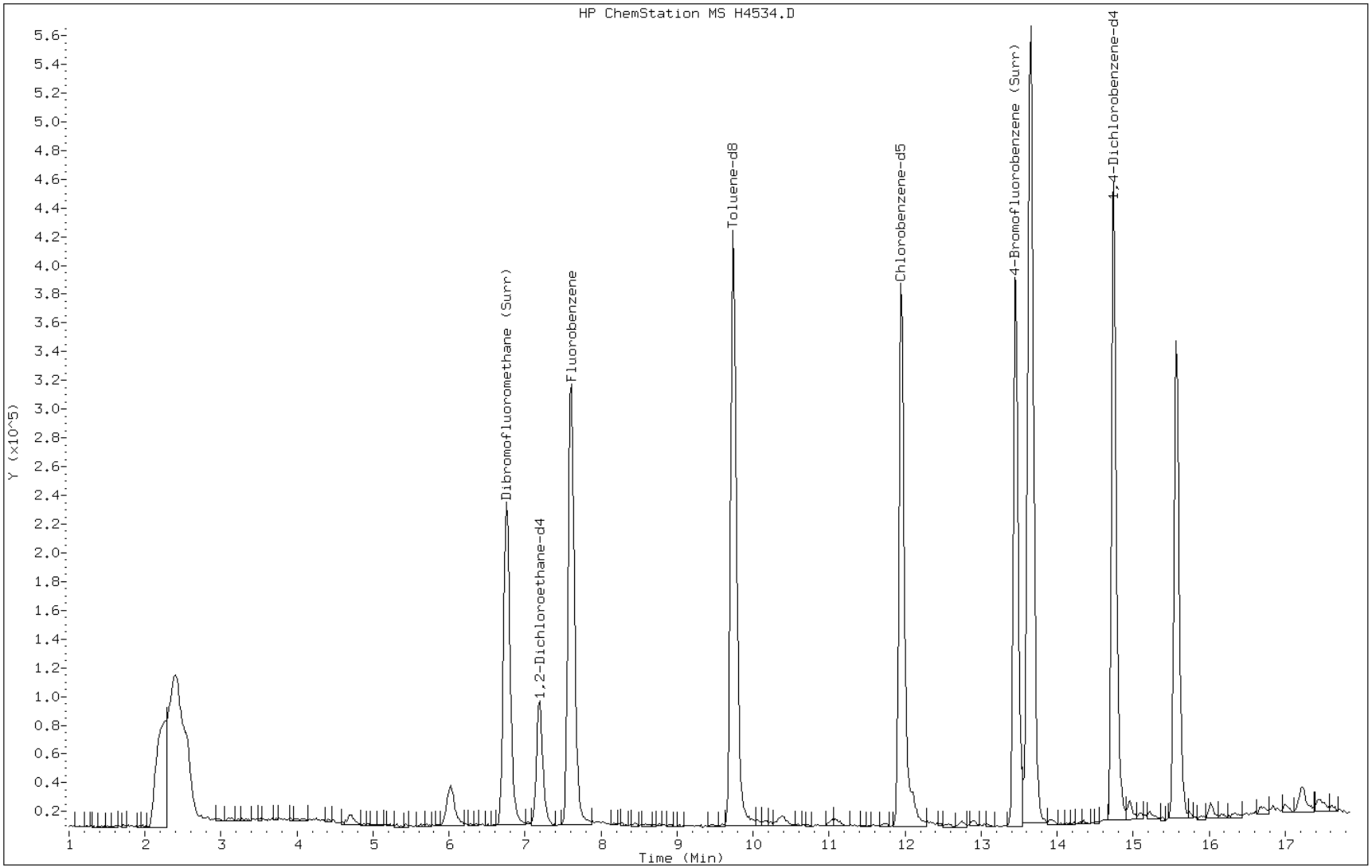
Date: 05-JUL-2012 09:50

Client ID: MB

Instrument: H.i

Sample Info: MB,,AF

Operator: MEIERG



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-126758/4

Matrix: Water | Lab File ID: H4532.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 09:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	4.63		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	4.52		1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	4.50		3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	4.51		1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	4.95		1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	4.61		1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	4.65	J	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	4.93		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	5.68		1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	4.95		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	4.66		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	4.42		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	4.76		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	4.66		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.52		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	4.79		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	4.46		1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	17.0		6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	4.99		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	4.77		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	4.78		1.0	0.40	0.20
591-78-6	2-Hexanone	16.2		5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	17.9		5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	4.42		1.0	0.40	0.17
71-43-2	Benzene	5.22		1.0	0.20	0.16
67-64-1	Acetone	21.7		10	6.4	1.9
108-86-1	Bromobenzene	4.75		1.0	0.20	0.17
75-25-2	Bromoform	4.92		1.0	0.40	0.19
74-83-9	Bromomethane	4.30		2.0	0.40	0.21
56-23-5	Carbon tetrachloride	4.53		2.0	0.40	0.19
75-15-0	Carbon disulfide	4.42		2.0	0.80	0.45
95-49-8	2-Chlorotoluene	4.48		1.0	0.40	0.17
106-43-4	4-Chlorotoluene	4.50		1.0	0.40	0.17
108-90-7	Chlorobenzene	4.86		1.0	0.20	0.17
74-97-5	Chlorobromomethane	5.12		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.61		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-126758/4

Matrix: Water | Lab File ID: H4532.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 09:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	4.72		1.0	0.20	0.16
75-00-3	Chloroethane	4.36		2.0	1.6	0.41
74-87-3	Chloromethane	3.79		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	5.19		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	4.90		1.0	0.20	0.16
74-95-3	Dibromomethane	4.80		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	4.72		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	2.20		2.0	0.80	0.31
100-41-4	Ethylbenzene	4.90		1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	4.56		1.0	0.40	0.36
98-82-8	Isopropylbenzene	4.51		1.0	0.40	0.19
106-93-4	Ethylene Dibromide	4.63		1.0	0.20	0.18
75-09-2	Methylene Chloride	3.65	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	4.66	J	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	9.65		2.0	0.80	0.34
91-20-3	Naphthalene	4.66		1.0	0.80	0.22
104-51-8	n-Butylbenzene	4.61		1.0	0.40	0.32
103-65-1	N-Propylbenzene	4.42		1.0	0.20	0.16
95-47-6	o-Xylene	4.68		1.0	0.40	0.19
100-42-5	Styrene	4.86		1.0	0.40	0.17
135-98-8	sec-Butylbenzene	4.70		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.41		1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	5.27		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	4.90		1.0	0.40	0.19
127-18-4	Tetrachloroethene	4.96		1.0	0.40	0.20
108-88-3	Toluene	5.14		1.0	0.40	0.17
79-01-6	Trichloroethene	4.76		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	3.84		2.0	0.80	0.29
75-01-4	Vinyl chloride	4.11		1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.54		3.0	3.0	0.79
544-10-5	1-Chlorohexane	4.75		1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-126758/4

Matrix: Water Lab File ID: H4532.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/05/2012 09:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126758 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	109		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		70-120
460-00-4	4-Bromofluorobenzene (Surr)	95		75-120
1868-53-7	Dibromofluoromethane (Surr)	91		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4532.D
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 05-JUL-2012 09:06
Operator : MEIERG Inst ID: H.i
Smp Info : LCS,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\8260B-H2O.m
Meth Date : 03-Jul-2012 07:33 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.596	7.614	(1.000)	939219	12.5000	
* 86	Chlorobenzene-d5	119	11.948	11.966	(1.000)	227670	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.734	14.752	(1.000)	363559	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.743	6.761	(0.888)	423488	8.19623	8.19622
$ 57	1,2-Dichloroethane-d4	65	7.178	7.196	(0.945)	150470	8.07290	8.07290
$ 75	Toluene-d8	98	9.737	9.755	(0.815)	846969	9.80259	9.80259
$ 98	4-Bromofluorobenzene (Surr)	95	13.445	13.464	(0.913)	385831	8.53815	8.53815
M 1	1,2-Dichloroethene (total)	96				292603	10.4573	10.4572
M 2	Xylene (total)	106				619633	14.3229	14.3229
6	dichlorodifluoromethane	85	2.651	2.648	(0.349)	77721	2.19949	2.19949
7	1,2-Dichlorotetrafluoroethane	85	2.651	2.792	(0.349)	77721	1.90984	1.90984(a)
8	Chloromethane	50	2.826	2.857	(0.372)	71583	3.79000	3.79000
9	Vinyl Chloride	62	2.965	2.996	(0.390)	92215	4.10644	4.10644
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	3.278	3.327	(0.432)	97142	4.30166	4.30166
13	Chloroethane	64	3.348	3.379	(0.441)	68803	4.35548	4.35548
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	3.609	3.623	(0.475)	179913	3.84496	3.84496(Q)
17	Ethyl Ether	59	Compound Not Detected.					
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	4.044	4.075	(0.532)	58104	49.1474	49.1474

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
21 1,1-Dichloroethene	96	4.166	4.180	(0.548)	136511	5.67625	5.67625
23 Trichlorotrifluoroethane	151	4.183	4.202	(0.551)	176187	5.54122	5.54122
22 Acetone	43	4.201	4.249	(0.553)	37255	21.7100	21.7100
25 Iodomethane	142	4.358	4.389	(0.574)	333180	5.40454	5.40454
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	4.445	4.463	(0.585)	349001	4.42189	4.42189
29 Allyl Chloride	41	4.671	4.550	(0.615)	4245	0.13902	0.139015(aQ)
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	4.688	4.702	(0.617)	123024	3.65282	3.65282
31 tert-Butyl alcohol	59	4.793	4.841	(0.631)	75692	82.2506	82.2506(Q)
32 Acrylonitrile	53	4.967	4.981	(0.654)	97645	47.0301	47.0301
33 Methyl t-butyl ether	73	4.984	5.003	(0.656)	211166	4.66335	4.66335(a)
34 trans-1,2-Dichloroethene	96	4.984	4.998	(0.656)	148470	5.27139	5.27139
35 Hexane	57	5.245	5.264	(0.439)	166415	4.60570	4.60570
36 1,1-Dichloroethane	63	5.472	5.520	(0.720)	237853	4.95030	4.95030
37 Vinyl Acetate	43	5.489	5.507	(0.723)	96957	5.05729	5.05729
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	6.168	6.182	(0.812)	144133	5.18587	5.18586
43 2,2-Dichloropropane	77	6.186	6.199	(0.814)	172961	4.77619	4.77619
42 2-Butanone	43	6.168	6.164	(0.812)	59638	17.0160	17.0160
44 Ethyl Acetate	43	6.168	6.221	(0.812)	59638	6.34253	6.34253(Q)
46 2-Butanol	45	6.377	6.395	(0.840)	94279	119.325	119.325
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	6.482	6.495	(0.853)	77780	5.11949	5.11949
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	6.534	6.565	(0.860)	225817	4.71707	4.71707
52 1,1,1-Trichloroethane	97	6.812	6.826	(0.897)	196768	4.52024	4.52024
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	6.986	7.000	(0.920)	203713	4.92899	4.92899
55 Carbon Tetrachloride	117	7.004	7.035	(0.922)	199780	4.53482	4.53482
58 Benzene	78	7.248	7.261	(0.954)	409685	5.22052	5.22052
59 1,2-Dichloroethane	62	7.265	7.296	(0.956)	84563	4.65899	4.65899
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	8.083	8.097	(1.064)	161430	4.76300	4.76300
64 2-Pentanone	43	8.310	8.310	(1.094)	58454	7.14496	7.14496(R)
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	8.397	8.410	(1.105)	140279	4.76734	4.76734
68 Dibromomethane	93	8.571	8.584	(1.128)	81984	4.80467	4.80467
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	8.762	8.776	(1.154)	196213	4.72073	4.72073
72 2-Chloroethyl vinyl ether	63	9.128	9.146	(1.202)	33839	4.21955	4.21955
73 cis-1,3-Dichloropropene	75	9.354	9.368	(1.231)	182811	4.89866	4.89866
74 4-Methyl-2-pentanone	43	9.563	9.577	(1.259)	201542	17.8670	17.8670
76 Toluene	91	9.842	9.855	(1.296)	447483	5.14098	5.14098
77 trans-1,3-Dichloropropene	75	10.155	10.169	(1.337)	132738	4.89808	4.89808
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	10.451	10.482	(1.376)	89257	4.94921	4.94920
80 Tetrachloroethene	164	10.695	10.708	(0.895)	168154	4.95684	4.95684
81 1,3-Dichloropropane	76	10.729	10.761	(0.898)	142089	4.78592	4.78592
82 2-Hexanone	43	10.851	10.865	(0.908)	135505	16.2082	16.2082
83 Dibromochloromethane	129	11.112	11.126	(0.930)	171307	4.61298	4.61298

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85	1,2-Dibromoethane	107	11.304	11.318	(0.946)	120752	4.62847	4.62847
87	1-Chlorohexane	91	11.931	11.944	(0.999)	218049	4.74654	4.74654
88	Chlorobenzene	112	11.983	12.014	(1.003)	328451	4.86053	4.86053
89	1,1,1,2-Tetrachloroethane	131	12.105	12.118	(1.013)	155717	4.62918	4.62918
90	Ethylbenzene	106	12.122	12.136	(1.015)	163158	4.90479	4.90479
91	m and p-Xylene	106	12.279	12.293	(1.028)	431055	9.64742	9.64742
92	o-Xylene	106	12.801	12.815	(1.071)	188578	4.67544	4.67544
93	Styrene	104	12.819	12.832	(1.073)	318072	4.85847	4.85847
94	Bromoform	173	13.080	13.093	(1.095)	95095	4.91818	4.91818
95	isopropyl benzene	105	13.254	13.268	(0.900)	568548	4.50808	4.50808
96	cis-1,4-dichloro-2-butene	53	13.236	13.359	(0.898)	5705	2.06283	2.06283(a)
97	Cyclohexanone	55	13.393	13.407	(1.121)	41561	114.904	114.904
100	Bromobenzene	156	13.637	13.651	(0.926)	158268	4.75413	4.75413
99	1,1,2,2-Tetrachloroethane	83	13.619	13.633	(0.924)	119291	4.66310	4.66310
101	1,2,3-Trichloropropane	110	13.672	13.685	(0.928)	26146	4.50409	4.50409(Q)
102	t-1,4-Dichloro-2-butene	53	13.689	13.690	(0.929)	80359	22.6863	22.6863
103	n-Propylbenzene	120	13.741	13.755	(0.933)	153475	4.41815	4.41815
104	2-Chlorotoluene	126	13.846	13.859	(0.940)	133020	4.47903	4.47903
105	1,3,5-Trimethylbenzene	105	13.933	13.946	(0.946)	415281	4.45711	4.45711
106	4-Chlorotoluene	126	13.968	13.981	(0.948)	147803	4.50199	4.50199
107	tert-Butylbenzene	119	14.298	14.312	(0.970)	489857	4.41056	4.41056
108	1,2,4-Trimethylbenzene	105	14.351	14.364	(0.974)	395211	4.41996	4.41996
109	sec-Butylbenzene	134	14.542	14.556	(0.987)	140328	4.70279	4.70279
110	1,3-Dichlorobenzene	146	14.681	14.695	(0.996)	262215	4.51863	4.51862
111	4-Isopropyltoluene	119	14.681	14.695	(0.996)	540689	4.41709	4.41709
113	1,4-dichlorobenzene	146	14.768	14.782	(1.002)	336524	4.98989	4.98989
115	n-Butylbenzene	91	15.117	15.113	(1.026)	484820	4.61396	4.61396
116	1,2-Dichlorobenzene	146	15.151	15.165	(1.028)	234824	4.76459	4.76459
117	1,2-Dibromo-3-chloropropane	157	15.918	15.931	(1.080)	22887	4.65316	4.65316
118	1,2,4-Trichlorobenzene	180	16.684	16.697	(1.132)	169269	4.60913	4.60913
119	Hexachlorobutadiene	225	16.840	16.854	(1.143)	152172	4.56063	4.56063
120	Naphthalene	128	16.927	16.941	(1.149)	198884	4.65734	4.65734
121	1,2,3-Trichlorobenzene	180	17.188	17.185	(1.167)	131669	4.50724	4.50724

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: H4532.D

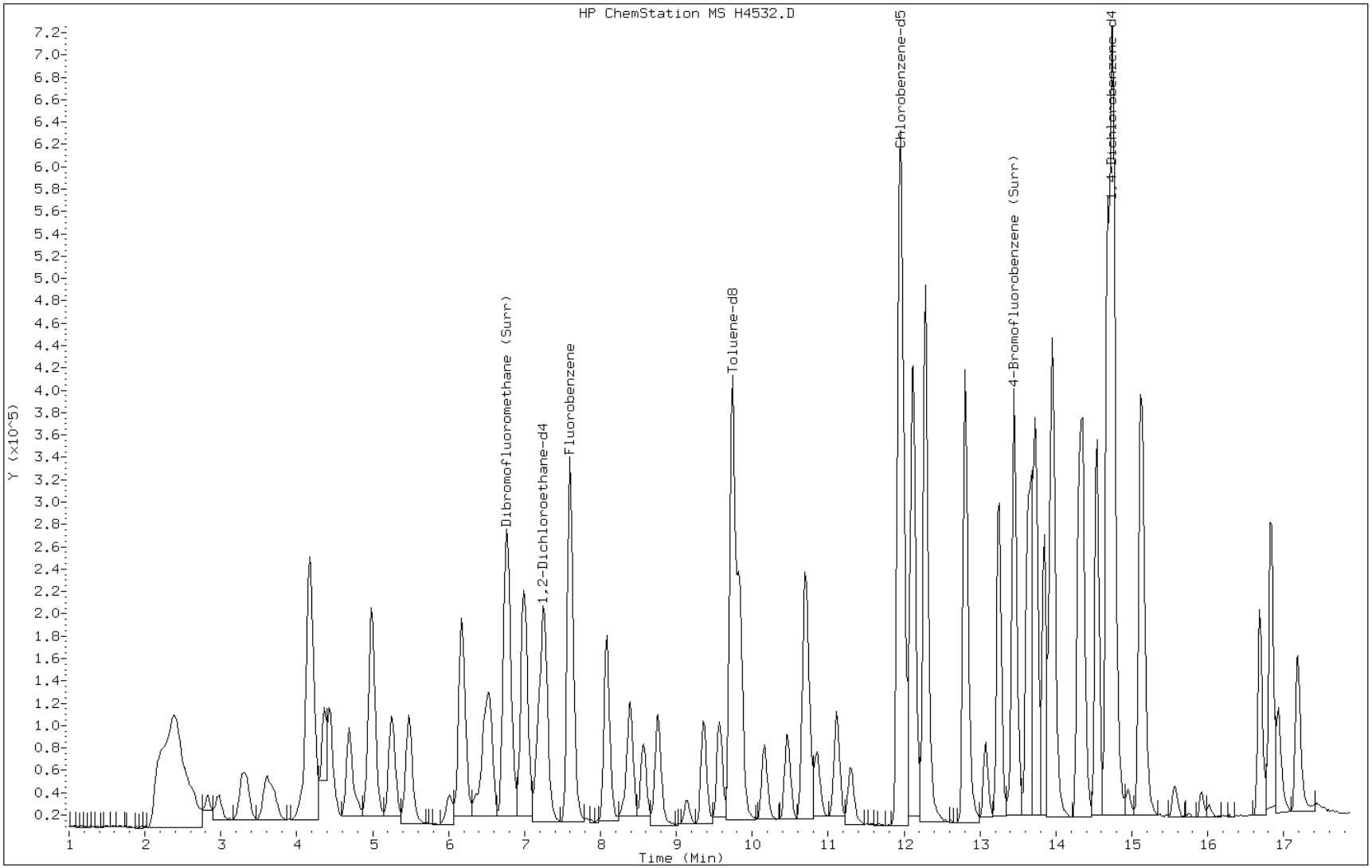
Date: 05-JUL-2012 09:06

Client ID: LCS

Instrument: H.i

Sample Info: LCS,,

Operator: MEIERG



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-126758/5

Matrix: Water | Lab File ID: H4533.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 09:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	4.88		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	4.64		1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	4.88		3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	4.92		1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	5.11		1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	4.92		1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	4.70	J	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	5.10		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	5.76		1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	4.93		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	4.82		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	4.70		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	5.00		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	4.77		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.83		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	4.93		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	4.80		1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	16.8		6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	5.34		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	4.93		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	4.92		1.0	0.40	0.20
591-78-6	2-Hexanone	15.9		5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	17.6		5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	4.72		1.0	0.40	0.17
71-43-2	Benzene	5.36		1.0	0.20	0.16
67-64-1	Acetone	19.6		10	6.4	1.9
108-86-1	Bromobenzene	5.11		1.0	0.20	0.17
75-25-2	Bromoform	5.04		1.0	0.40	0.19
74-83-9	Bromomethane	4.36		2.0	0.40	0.21
56-23-5	Carbon tetrachloride	4.70		2.0	0.40	0.19
75-15-0	Carbon disulfide	4.30		2.0	0.80	0.45
95-49-8	2-Chlorotoluene	4.76		1.0	0.40	0.17
106-43-4	4-Chlorotoluene	4.76		1.0	0.40	0.17
108-90-7	Chlorobenzene	5.19		1.0	0.20	0.17
74-97-5	Chlorobromomethane	5.38		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.81		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-126758/5

Matrix: Water | Lab File ID: H4533.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 09:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	4.95		1.0	0.20	0.16
75-00-3	Chloroethane	4.41		2.0	1.6	0.41
74-87-3	Chloromethane	3.87		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	5.30		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	5.07		1.0	0.20	0.16
74-95-3	Dibromomethane	4.85		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	4.80		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	2.33		2.0	0.80	0.31
100-41-4	Ethylbenzene	5.16		1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	4.90		1.0	0.40	0.36
98-82-8	Isopropylbenzene	4.87		1.0	0.40	0.19
106-93-4	Ethylene Dibromide	4.77		1.0	0.20	0.18
75-09-2	Methylene Chloride	3.78	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	4.65	J	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	10.1		2.0	0.80	0.34
91-20-3	Naphthalene	4.90		1.0	0.80	0.22
104-51-8	n-Butylbenzene	4.96		1.0	0.40	0.32
103-65-1	N-Propylbenzene	4.66		1.0	0.20	0.16
95-47-6	o-Xylene	5.00		1.0	0.40	0.19
100-42-5	Styrene	5.14		1.0	0.40	0.17
135-98-8	sec-Butylbenzene	5.02		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.76		1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	5.50		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	4.90		1.0	0.40	0.19
127-18-4	Tetrachloroethene	5.37		1.0	0.40	0.20
108-88-3	Toluene	5.27		1.0	0.40	0.17
79-01-6	Trichloroethene	5.09		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	3.90		2.0	0.80	0.29
75-01-4	Vinyl chloride	4.12		1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.44		3.0	3.0	0.79
544-10-5	1-Chlorohexane	5.05		1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 280-126758/5

Matrix: Water Lab File ID: H4533.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/05/2012 09:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126758 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	107		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		70-120
460-00-4	4-Bromofluorobenzene (Surr)	93		75-120
1868-53-7	Dibromofluoromethane (Surr)	86		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4533.D
Lab Smp Id: LCSD Client Smp ID: LCSD
Inj Date : 05-JUL-2012 09:28
Operator : MEIERG Inst ID: H.i
Smp Info : LCSD,,
Misc Info : H4532.D
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\8260B-H2O.m
Meth Date : 05-Jul-2012 09:26 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC232

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61 Fluorobenzene	96	7.613	7.614	(1.000)	968479	12.5000	
* 86 Chlorobenzene-d5	119	11.948	11.966	(1.000)	228156	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.734	14.752	(1.000)	362057	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	6.760	6.761	(0.888)	414745	7.78450	7.78450
$ 57 1,2-Dichloroethane-d4	65	7.195	7.196	(0.945)	148281	7.71510	7.71510
$ 75 Toluene-d8	98	9.737	9.755	(0.815)	830171	9.58771	9.58771
$ 98 4-Bromofluorobenzene (Surr)	95	13.445	13.464	(0.913)	375932	8.35360	8.35360
M 1 1,2-Dichloroethene (total)	96				311490	10.7952	10.7952
M 2 Xylene (total)	106				654813	15.1106	15.1106
6 dichlorodifluoromethane	85	2.651	2.648	(0.348)	84840	2.32842	2.32842
7 1,2-Dichlorotetrafluoroethane	85	2.651	2.792	(0.348)	84840	2.02179	2.02179
8 Chloromethane	50	2.843	2.857	(0.373)	75397	3.87133	3.87133
9 Vinyl Chloride	62	2.982	2.996	(0.392)	95359	4.11815	4.11815
11 Ethylene Oxide	43	Compound Not Detected.					
12 Bromomethane	94	3.295	3.327	(0.433)	101635	4.36464	4.36464
13 Chloroethane	64	3.365	3.379	(0.442)	71910	4.41463	4.41463
14 Dichlorofluoromethane	67	Compound Not Detected.					
15 Trichlorofluoromethane	101	3.609	3.623	(0.474)	188342	3.90349	3.90349(Q)
17 Ethyl Ether	59	Compound Not Detected.					
18 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20 Acrolein	56	4.062	4.075	(0.534)	59111	48.4886	48.4886

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
21 1,1-Dichloroethene	96	4.166	4.180	(0.547)	142890	5.76199	5.76199
23 Trichlorotrifluoroethane	151	4.201	4.202	(0.552)	178384	5.44082	5.44082
22 Acetone	43	4.201	4.249	(0.552)	34643	19.5780	19.5780
25 Iodomethane	142	4.375	4.389	(0.575)	357129	5.61800	5.61800
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	4.462	4.463	(0.586)	349995	4.30051	4.30051
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	4.688	4.702	(0.616)	129989	3.78372	3.78372
31 tert-Butyl alcohol	59	4.793	4.841	(0.630)	74200	78.1934	78.1934(Q)
32 Acrylonitrile	53	4.984	4.981	(0.655)	100834	47.0987	47.0987
33 Methyl t-butyl ether	73	4.984	5.003	(0.655)	216978	4.64694	4.64694(a)
34 trans-1,2-Dichloroethene	96	5.002	4.998	(0.657)	159601	5.49539	5.49539
35 Hexane	57	5.263	5.264	(0.440)	168785	4.66134	4.66134
36 1,1-Dichloroethane	63	5.489	5.520	(0.721)	253306	5.11264	5.11264
37 Vinyl Acetate	43	5.263	5.507	(0.691)	91655	4.60522	4.60522(Q)
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	6.168	6.182	(0.810)	151889	5.29982	5.29982
43 2,2-Dichloropropane	77	6.203	6.199	(0.815)	183736	4.92044	4.92044
42 2-Butanone	43	6.185	6.164	(0.812)	60628	16.7759	16.7759
44 Ethyl Acetate	43	6.185	6.221	(0.812)	60816	6.27240	6.27240(Q)
46 2-Butanol	45	6.377	6.395	(0.838)	91968	112.884	112.884
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	6.481	6.495	(0.851)	84277	5.37954	5.37954
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	6.551	6.565	(0.861)	244237	4.94771	4.94771
52 1,1,1-Trichloroethane	97	6.812	6.826	(0.895)	208471	4.64440	4.64440
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	6.986	7.000	(0.918)	217182	5.09612	5.09612
55 Carbon Tetrachloride	117	7.021	7.035	(0.922)	213660	4.70336	4.70336
58 Benzene	78	7.265	7.261	(0.954)	433712	5.35972	5.35972
59 1,2-Dichloroethane	62	7.282	7.296	(0.957)	89186	4.76524	4.76524
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	8.083	8.097	(1.062)	177785	5.08708	5.08708
64 2-Pentanone	43	8.309	8.310	(1.091)	54382	6.44641	6.44641(R)
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	8.396	8.410	(1.103)	149467	4.92613	4.92612
68 Dibromomethane	93	8.571	8.584	(1.126)	85410	4.85423	4.85423
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	8.762	8.776	(1.151)	205702	4.79951	4.79951
72 2-Chloroethyl vinyl ether	63	9.145	9.146	(1.201)	32854	3.97296	3.97296
73 cis-1,3-Dichloropropene	75	9.354	9.368	(1.229)	195292	5.07500	5.07500
74 4-Methyl-2-pentanone	43	9.563	9.577	(1.256)	205122	17.6350	17.6350
76 Toluene	91	9.841	9.855	(1.293)	473254	5.27279	5.27279
77 trans-1,3-Dichloropropene	75	10.155	10.169	(1.334)	136895	4.89886	4.89886
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	10.468	10.482	(1.375)	91590	4.92513	4.92513
80 Tetrachloroethene	164	10.695	10.708	(0.895)	182455	5.36695	5.36695
81 1,3-Dichloropropane	76	10.747	10.761	(0.899)	146587	4.92690	4.92690
82 2-Hexanone	43	10.851	10.865	(0.908)	133192	15.8976	15.8976
83 Dibromochloromethane	129	11.112	11.126	(0.930)	179002	4.80993	4.80993

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85	1,2-Dibromoethane	107	11.304	11.318	(0.946)	124826	4.77444	4.77444
87	1-Chlorohexane	91	11.931	11.944	(0.999)	232355	5.04718	5.04718
88	Chlorobenzene	112	11.983	12.014	(1.003)	351296	5.18753	5.18753
89	1,1,1,2-Tetrachloroethane	131	12.105	12.118	(1.013)	164562	4.88170	4.88170
90	Ethylbenzene	106	12.122	12.136	(1.015)	172044	5.16090	5.16090
91	m and p-Xylene	106	12.279	12.293	(1.028)	452707	10.1104	10.1104
92	o-Xylene	106	12.801	12.815	(1.071)	202106	5.00017	5.00017
93	Styrene	104	12.819	12.832	(1.073)	337449	5.14347	5.14347
94	Bromoform	173	13.080	13.093	(1.095)	97729	5.04365	5.04364
95	isopropyl benzene	105	13.254	13.268	(0.900)	611362	4.86767	4.86767
96	cis-1,4-dichloro-2-butene	53	13.254	13.359	(0.900)	7330	2.66140	2.66140(a)
97	Cyclohexanone	55	13.393	13.407	(1.121)	37505	103.469	103.469
100	Bromobenzene	156	13.637	13.651	(0.926)	169484	5.11216	5.11216
99	1,1,2,2-Tetrachloroethane	83	13.619	13.633	(0.924)	122724	4.81720	4.81720
101	1,2,3-Trichloropropane	110	13.672	13.685	(0.928)	28227	4.88275	4.88275(Q)
102	t-1,4-Dichloro-2-butene	53	13.689	13.690	(0.929)	79477	22.5304	22.5304(Q)
103	n-Propylbenzene	120	13.741	13.755	(0.933)	161091	4.65663	4.65663
104	2-Chlorotoluene	126	13.846	13.859	(0.940)	140823	4.76145	4.76144
105	1,3,5-Trimethylbenzene	105	13.933	13.946	(0.946)	445173	4.79776	4.79776
106	4-Chlorotoluene	126	13.968	13.981	(0.948)	155505	4.75624	4.75624
107	tert-Butylbenzene	119	14.298	14.312	(0.970)	526957	4.76428	4.76428
108	1,2,4-Trimethylbenzene	105	14.351	14.364	(0.974)	418789	4.70308	4.70308
109	sec-Butylbenzene	134	14.542	14.556	(0.987)	149053	5.01592	5.01592
110	1,3-Dichlorobenzene	146	14.681	14.695	(0.996)	279389	4.83455	4.83455
111	4-Isopropyltoluene	119	14.681	14.695	(0.996)	575966	4.72480	4.72480
113	1,4-dichlorobenzene	146	14.768	14.782	(1.002)	358457	5.33716	5.33716
115	n-Butylbenzene	91	15.117	15.113	(1.026)	519323	4.96283	4.96283
116	1,2-Dichlorobenzene	146	15.151	15.165	(1.028)	245556	5.00301	5.00301
117	1,2-Dibromo-3-chloropropane	157	15.917	15.931	(1.080)	23009	4.69737	4.69737
118	1,2,4-Trichlorobenzene	180	16.683	16.697	(1.132)	180098	4.92434	4.92434
119	Hexachlorobutadiene	225	16.840	16.854	(1.143)	162957	4.90412	4.90412
120	Naphthalene	128	16.927	16.941	(1.149)	208272	4.89742	4.89742
121	1,2,3-Trichlorobenzene	180	17.188	17.185	(1.167)	143009	4.91574	4.91574

QC Flag Legend

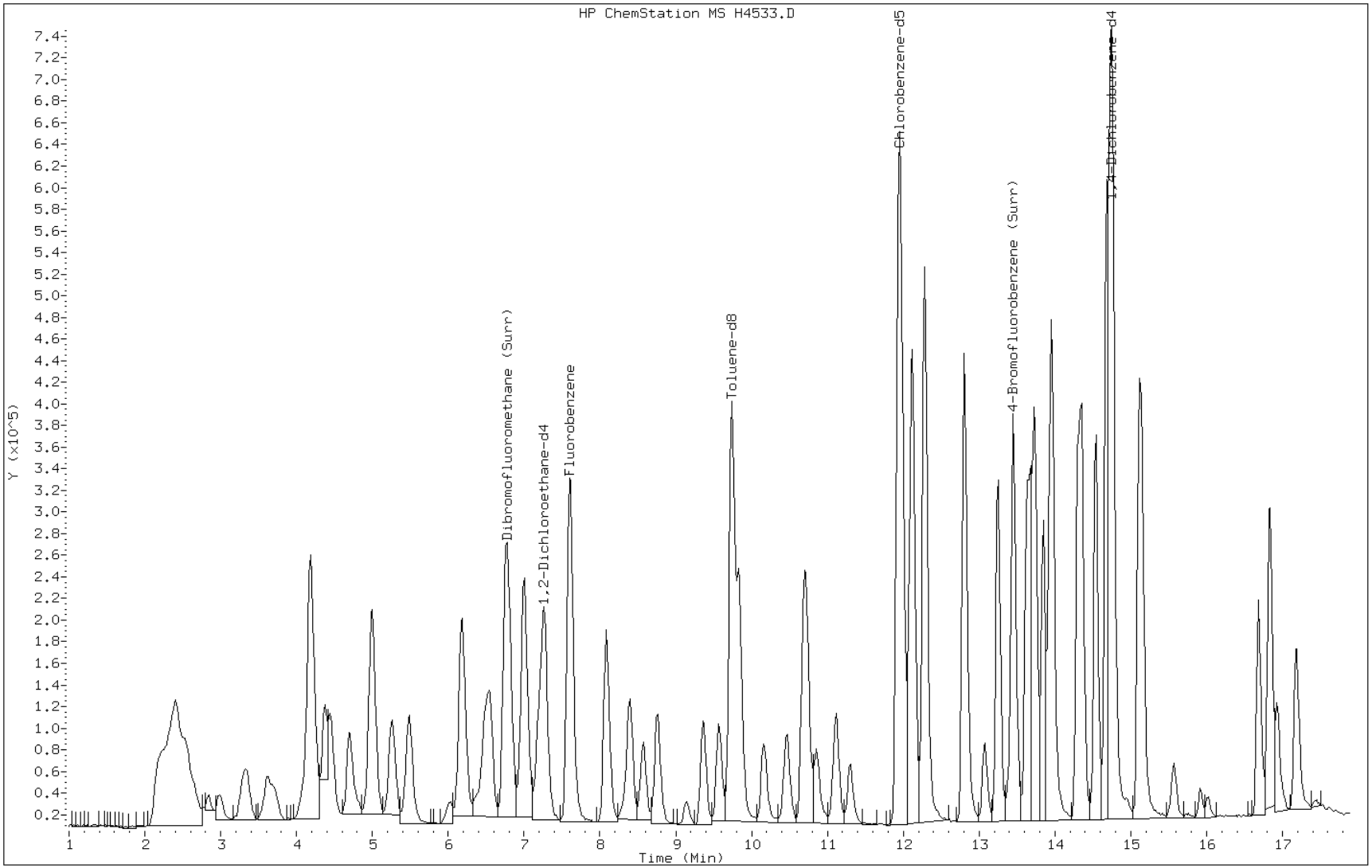
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: H4533.D

Date: 05-JUL-2012 09:28

Client ID: LCSD Instrument: H.i

Sample Info: LCSD,, Operator: MEIERG



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M1030UA MS | Lab Sample ID: 280-30425-4 MS

Matrix: Water | Lab File ID: H4541.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 12:42

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 12:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	4.84		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	4.75		1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	4.57		3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	4.46		1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	5.12		1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	4.56		1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	4.56	J	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	4.90		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	5.78		1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	5.01		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	4.68		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	4.60		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	4.78		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	4.59		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.92		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	4.71		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	4.64		1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	15.9		6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	4.96		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	4.79		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	4.99		1.0	0.40	0.20
591-78-6	2-Hexanone	14.5		5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	17.4		5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	4.53		1.0	0.40	0.17
71-43-2	Benzene	5.20		1.0	0.20	0.16
67-64-1	Acetone	18.7		10	6.4	1.9
108-86-1	Bromobenzene	4.98		1.0	0.20	0.17
75-25-2	Bromoform	4.82		1.0	0.40	0.19
74-83-9	Bromomethane	4.28		2.0	0.40	0.21
56-23-5	Carbon tetrachloride	4.55		2.0	0.40	0.19
75-15-0	Carbon disulfide	4.23		2.0	0.80	0.45
95-49-8	2-Chlorotoluene	4.65		1.0	0.40	0.17
106-43-4	4-Chlorotoluene	4.57		1.0	0.40	0.17
108-90-7	Chlorobenzene	4.96		1.0	0.20	0.17
74-97-5	Chlorobromomethane	5.25		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.58		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M1030UA MS | Lab Sample ID: 280-30425-4 MS

Matrix: Water | Lab File ID: H4541.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 12:42

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 12:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	4.95		1.0	0.20	0.16
75-00-3	Chloroethane	4.51		2.0	1.6	0.41
74-87-3	Chloromethane	3.79		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	5.32		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	5.04		1.0	0.20	0.16
74-95-3	Dibromomethane	4.89		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	4.86		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	2.48		2.0	0.80	0.31
100-41-4	Ethylbenzene	4.76		1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	4.70		1.0	0.40	0.36
98-82-8	Isopropylbenzene	4.69		1.0	0.40	0.19
106-93-4	Ethylene Dibromide	4.40		1.0	0.20	0.18
75-09-2	Methylene Chloride	3.86	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	4.64	J	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	9.61		2.0	0.80	0.34
91-20-3	Naphthalene	4.46		1.0	0.80	0.22
104-51-8	n-Butylbenzene	4.69		1.0	0.40	0.32
103-65-1	N-Propylbenzene	4.52		1.0	0.20	0.16
95-47-6	o-Xylene	4.79		1.0	0.40	0.19
100-42-5	Styrene	4.94		1.0	0.40	0.17
135-98-8	sec-Butylbenzene	4.76		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.60		1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	5.33		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	4.93		1.0	0.40	0.19
127-18-4	Tetrachloroethene	5.18		1.0	0.40	0.20
108-88-3	Toluene	5.20		1.0	0.40	0.17
79-01-6	Trichloroethene	5.05		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	3.98		2.0	0.80	0.29
75-01-4	Vinyl chloride	4.05		1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.45		3.0	3.0	0.79
544-10-5	1-Chlorohexane	4.69		1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M1030UA MS Lab Sample ID: 280-30425-4 MS

Matrix: Water Lab File ID: H4541.D

Analysis Method: 8260B/DoD Date Collected: 06/25/2012 12:42

Sample wt/vol: 20(mL) Date Analyzed: 07/05/2012 12:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126758 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	108		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		70-120
460-00-4	4-Bromofluorobenzene (Surr)	97		75-120
1868-53-7	Dibromofluoromethane (Surr)	91		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4541.D
Lab Smp Id: 280-30425-w-4 MS
Inj Date : 05-JUL-2012 12:28
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30425-w-4 MS,,PH<2
Misc Info : H4540.D
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\8260B-H2O.m
Meth Date : 05-Jul-2012 11:06 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.610	7.614	(1.000)	961171	12.5000	
* 86	Chlorobenzene-d5	119	11.962	11.966	(1.000)	236527	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.748	14.752	(1.000)	365441	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.757	6.761	(0.888)	435035	8.22741	8.22741
$ 57	1,2-Dichloroethane-d4	65	7.192	7.196	(0.945)	153738	8.05985	8.05985
$ 75	Toluene-d8	98	9.751	9.755	(0.815)	871943	9.71374	9.71374
$ 98	4-Bromofluorobenzene (Surr)	95	13.459	13.464	(0.913)	394543	8.68597	8.68597
M 1	1,2-Dichloroethene (total)	96				304883	10.6478	10.6478
M 2	Xylene (total)	106				646983	14.4039	14.4039
6	dichlorodifluoromethane	85	2.665	2.648	(0.350)	89523	2.47562	2.47562
7	1,2-Dichlorotetrafluoroethane	85	2.665	2.792	(0.350)	89523	2.14961	2.14961
8	Chloromethane	50	2.874	2.857	(0.378)	73246	3.78948	3.78948
9	Vinyl Chloride	62	2.996	2.996	(0.394)	93023	4.04782	4.04782
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	3.309	3.327	(0.435)	98834	4.27663	4.27663
13	Chloroethane	64	3.362	3.379	(0.442)	72869	4.50752	4.50752
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	3.623	3.623	(0.476)	190373	3.97558	3.97558(Q)
17	Ethyl Ether	59	Compound Not Detected.					
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	4.058	4.075	(0.533)	58647	48.4738	48.4738

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
21 1,1-Dichloroethene	96	4.180	4.180	(0.549)	142217	5.77845	5.77845
23 Trichlorotrifluoroethane	151	4.197	4.202	(0.552)	177294	5.44869	5.44869
22 Acetone	43	4.232	4.249	(0.556)	32851	18.7064	18.7064
25 Iodomethane	142	4.371	4.389	(0.574)	351030	5.56404	5.56404
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	4.458	4.463	(0.586)	341478	4.22776	4.22776
29 Allyl Chloride	41	4.702	4.550	(0.618)	5232	0.16742	0.167424(aQ)
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	4.702	4.702	(0.618)	130770	3.85790	3.85790
31 tert-Butyl alcohol	59	4.807	4.841	(0.632)	71894	76.3393	76.3393(Q)
32 Acrylonitrile	53	4.981	4.981	(0.655)	97448	45.8632	45.8632
33 Methyl t-butyl ether	73	4.981	5.003	(0.655)	215122	4.64222	4.64222(a)
34 trans-1,2-Dichloroethene	96	4.998	4.998	(0.657)	153626	5.32988	5.32988
35 Hexane	57	5.277	5.264	(0.441)	155300	4.13713	4.13713
36 1,1-Dichloroethane	63	5.486	5.520	(0.721)	251516	5.11511	5.11511
37 Vinyl Acetate	43	5.486	5.507	(0.721)	98285	5.00594	5.00594
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	6.182	6.182	(0.812)	151257	5.31789	5.31789
43 2,2-Dichloropropane	77	6.199	6.199	(0.815)	184882	4.98878	4.98878
42 2-Butanone	43	6.182	6.164	(0.812)	57123	15.9262	15.9262
44 Ethyl Acetate	43	6.182	6.221	(0.812)	57123	5.93631	5.93631(Q)
46 2-Butanol	45	6.391	6.395	(0.840)	87644	108.394	108.394
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	6.495	6.495	(0.854)	81591	5.24768	5.24768
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	6.565	6.565	(0.863)	242530	4.95048	4.95048
52 1,1,1-Trichloroethane	97	6.809	6.826	(0.895)	211385	4.74513	4.74513
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	7.000	7.000	(0.920)	207217	4.89927	4.89927
55 Carbon Tetrachloride	117	7.018	7.035	(0.922)	205196	4.55138	4.55138
58 Benzene	78	7.261	7.261	(0.954)	417948	5.20418	5.20418
59 1,2-Dichloroethane	62	7.296	7.296	(0.959)	85218	4.58785	4.58785
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	8.097	8.097	(1.064)	174994	5.04529	5.04529
64 2-Pentanone	43	8.306	8.310	(1.092)	52573	6.27935	6.27935(R)
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	8.410	8.410	(1.105)	144266	4.79086	4.79086
68 Dibromomethane	93	8.567	8.584	(1.126)	85362	4.88839	4.88839
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	8.759	8.776	(1.151)	206862	4.86327	4.86327
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	9.368	9.368	(1.231)	192369	5.03705	5.03705
74 4-Methyl-2-pentanone	43	9.577	9.577	(1.259)	201161	17.4259	17.4259
76 Toluene	91	9.838	9.855	(1.293)	462892	5.19655	5.19655
77 trans-1,3-Dichloropropene	75	10.169	10.169	(1.336)	136783	4.93207	4.93207
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	10.465	10.482	(1.375)	92443	5.00880	5.00880
80 Tetrachloroethene	164	10.709	10.708	(0.895)	182597	5.18104	5.18104
81 1,3-Dichloropropane	76	10.743	10.761	(0.898)	145298	4.71074	4.71074
82 2-Hexanone	43	10.865	10.865	(0.908)	125535	14.4534	14.4534
83 Dibromochloromethane	129	11.126	11.126	(0.930)	176716	4.58044	4.58044

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85 1,2-Dibromoethane	107	11.300	11.318	(0.945)	119311	4.40199	4.40199
87 1-Chlorohexane	91	11.945	11.944	(0.999)	223727	4.68777	4.68777
88 Chlorobenzene	112	11.997	12.014	(1.003)	348150	4.95912	4.95912
89 1,1,1,2-Tetrachloroethane	131	12.101	12.118	(1.012)	169248	4.84302	4.84302
90 Ethylbenzene	106	12.136	12.136	(1.015)	164632	4.76377	4.76377
91 m and p-Xylene	106	12.293	12.293	(1.028)	446279	9.61413	9.61413
92 o-Xylene	106	12.798	12.815	(1.070)	200704	4.78975	4.78975
93 Styrene	104	12.815	12.832	(1.071)	335793	4.93709	4.93709
94 Bromoform	173	13.076	13.093	(1.093)	96814	4.81959	4.81959
95 isopropyl benzene	105	13.250	13.268	(0.898)	594195	4.68717	4.68717
96 cis-1,4-dichloro-2-butene	53	13.268	13.359	(0.900)	3170	1.14032	1.14032(aQ)
97 Cyclohexanone	55	13.407	13.407	(1.121)	31458	83.7154	83.7154(a)
100 Bromobenzene	156	13.633	13.651	(0.924)	166486	4.97523	4.97523
99 1,1,2,2-Tetrachloroethane	83	13.633	13.633	(0.924)	120436	4.68361	4.68361
101 1,2,3-Trichloropropane	110	13.686	13.685	(0.928)	26677	4.57190	4.57190(Q)
102 t-1,4-Dichloro-2-butene	53	13.686	13.690	(0.928)	74148	20.8251	20.8251(Q)
103 n-Propylbenzene	120	13.738	13.755	(0.932)	157954	4.52367	4.52367
104 2-Chlorotoluene	126	13.860	13.859	(0.940)	138913	4.65337	4.65337
105 1,3,5-Trimethylbenzene	105	13.947	13.946	(0.946)	434287	4.63710	4.63710
106 4-Chlorotoluene	126	13.982	13.981	(0.948)	150948	4.57411	4.57411
107 tert-Butylbenzene	119	14.312	14.312	(0.970)	513159	4.59657	4.59657
108 1,2,4-Trimethylbenzene	105	14.365	14.364	(0.974)	413669	4.60256	4.60256
109 sec-Butylbenzene	134	14.539	14.556	(0.986)	142897	4.76423	4.76423
110 1,3-Dichlorobenzene	146	14.678	14.695	(0.995)	286715	4.91538	4.91538
111 4-Isopropyltoluene	119	14.695	14.695	(0.996)	557349	4.52974	4.52974
113 1,4-dichlorobenzene	146	14.765	14.782	(1.001)	336184	4.95918	4.95918
115 n-Butylbenzene	91	15.113	15.113	(1.025)	495551	4.69180	4.69180
116 1,2-Dichlorobenzene	146	15.165	15.165	(1.028)	236895	4.78186	4.78186
117 1,2-Dibromo-3-chloropropane	157	15.931	15.931	(1.080)	22526	4.55618	4.55618
118 1,2,4-Trichlorobenzene	180	16.697	16.697	(1.132)	168395	4.56172	4.56172
119 Hexachlorobutadiene	225	16.837	16.854	(1.142)	157554	4.69762	4.69762
120 Naphthalene	128	16.941	16.941	(1.149)	191439	4.45991	4.45991
121 1,2,3-Trichlorobenzene	180	17.185	17.185	(1.165)	131101	4.46469	4.46469

QC Flag Legend

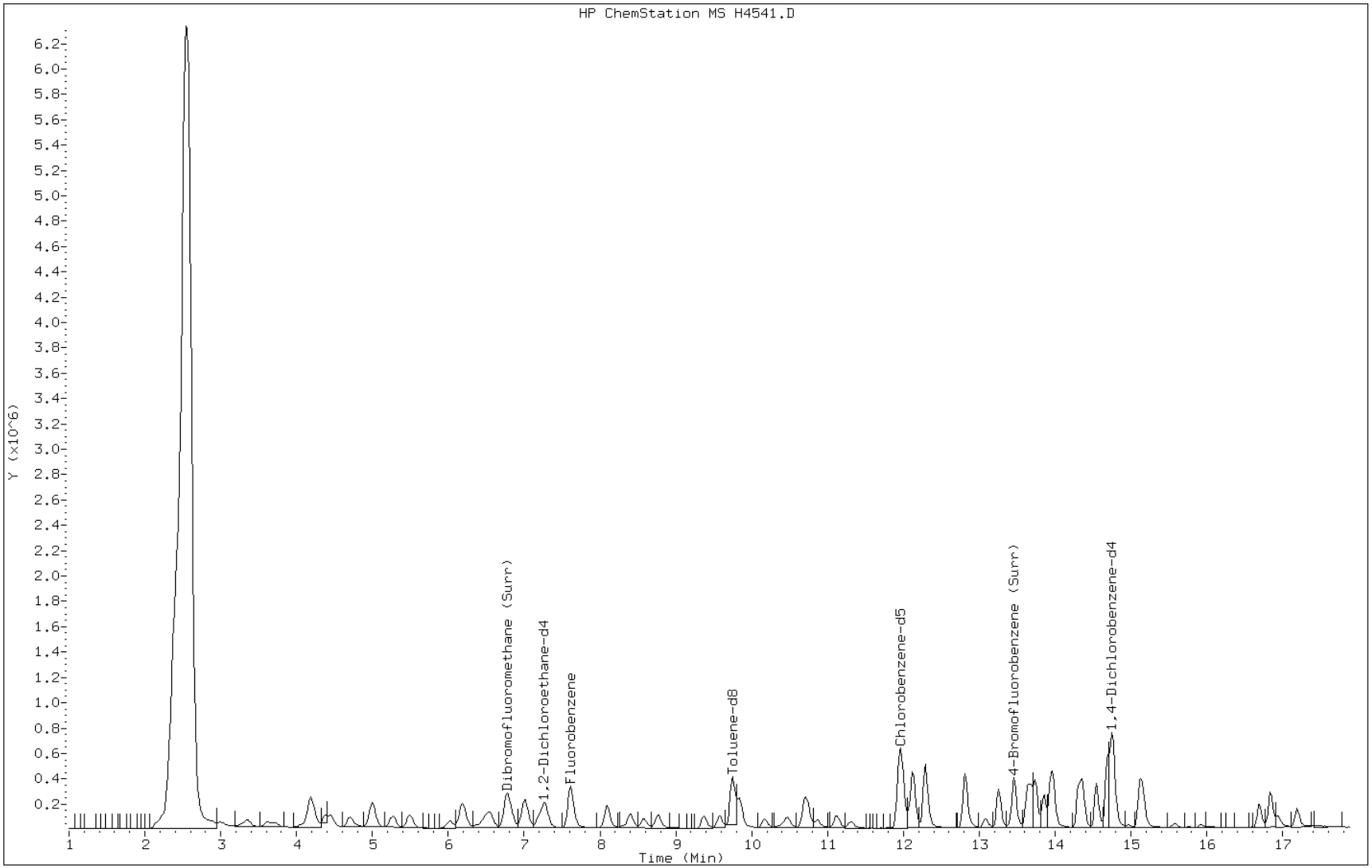
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: H4541.D

Date: 05-JUL-2012 12:28

Client ID: Instrument: H.i

Sample Info: 280-30425-w-4 MS,,PH<2 Operator: MEIERG



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M1030UA MSD | Lab Sample ID: 280-30425-4 MSD

Matrix: Water | Lab File ID: H4542.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 12:42

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 12:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	5.21		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	4.67		1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	5.01		3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	4.97		1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	5.15		1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	4.90		1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	4.99	J	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	4.88		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	5.73		1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	5.23		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	4.94		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	4.81		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	5.12		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	4.83		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.82		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	5.04		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	4.78		1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	17.7		6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	5.49		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	4.91		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	4.71		1.0	0.40	0.20
591-78-6	2-Hexanone	16.0		5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	18.4		5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	4.70		1.0	0.40	0.17
71-43-2	Benzene	5.28		1.0	0.20	0.16
67-64-1	Acetone	17.3		10	6.4	1.9
108-86-1	Bromobenzene	5.16		1.0	0.20	0.17
75-25-2	Bromoform	5.28		1.0	0.40	0.19
74-83-9	Bromomethane	4.40		2.0	0.40	0.21
56-23-5	Carbon tetrachloride	4.66		2.0	0.40	0.19
75-15-0	Carbon disulfide	4.55		2.0	0.80	0.45
95-49-8	2-Chlorotoluene	4.74		1.0	0.40	0.17
106-43-4	4-Chlorotoluene	4.96		1.0	0.40	0.17
108-90-7	Chlorobenzene	5.29		1.0	0.20	0.17
74-97-5	Chlorobromomethane	5.40		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.98		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M1030UA MSD | Lab Sample ID: 280-30425-4 MSD

Matrix: Water | Lab File ID: H4542.D

Analysis Method: 8260B/DoD | Date Collected: 06/25/2012 12:42

Sample wt/vol: 20(mL) | Date Analyzed: 07/05/2012 12:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126758 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	4.98		1.0	0.20	0.16
75-00-3	Chloroethane	4.63		2.0	1.6	0.41
74-87-3	Chloromethane	4.11		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	5.28		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	5.20		1.0	0.20	0.16
74-95-3	Dibromomethane	5.06		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	4.96		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	2.43		2.0	0.80	0.31
100-41-4	Ethylbenzene	5.16		1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	4.84		1.0	0.40	0.36
98-82-8	Isopropylbenzene	4.84		1.0	0.40	0.19
106-93-4	Ethylene Dibromide	4.92		1.0	0.20	0.18
75-09-2	Methylene Chloride	3.96	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	4.85	J	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	10.4		2.0	0.80	0.34
91-20-3	Naphthalene	4.77		1.0	0.80	0.22
104-51-8	n-Butylbenzene	4.82		1.0	0.40	0.32
103-65-1	N-Propylbenzene	4.70		1.0	0.20	0.16
95-47-6	o-Xylene	5.12		1.0	0.40	0.19
100-42-5	Styrene	5.31		1.0	0.40	0.17
135-98-8	sec-Butylbenzene	4.92		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.75		1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	5.39		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	5.26		1.0	0.40	0.19
127-18-4	Tetrachloroethene	5.38		1.0	0.40	0.20
108-88-3	Toluene	5.34		1.0	0.40	0.17
79-01-6	Trichloroethene	5.09		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	4.08		2.0	0.80	0.29
75-01-4	Vinyl chloride	4.05		1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.86		3.0	3.0	0.79
544-10-5	1-Chlorohexane	4.93		1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Client Sample ID: LF1M1030UA MSD Lab Sample ID: 280-30425-4 MSD

Matrix: Water Lab File ID: H4542.D

Analysis Method: 8260B/DoD Date Collected: 06/25/2012 12:42

Sample wt/vol: 20(mL) Date Analyzed: 07/05/2012 12:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126758 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	116		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		70-120
460-00-4	4-Bromofluorobenzene (Surr)	101		75-120
1868-53-7	Dibromofluoromethane (Surr)	94		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070512.B\H4542.D
Lab Smp Id: 280-30425-w-4 MSD
Inj Date : 05-JUL-2012 12:50
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30425-w-4 MSD,,PH<2
Misc Info : H4541.D
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070512.B\8260B-H2O.m
Meth Date : 05-Jul-2012 11:06 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.617	7.614	(1.000)	987384	12.5000	
* 86	Chlorobenzene-d5	119	11.952	11.966	(1.000)	229988	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.755	14.752	(1.000)	367152	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.764	6.761	(0.888)	459902	8.46679	8.46679
$ 57	1,2-Dichloroethane-d4	65	7.199	7.196	(0.945)	161584	8.24629	8.24629
$ 75	Toluene-d8	98	9.741	9.755	(0.815)	913144	10.4620	10.4620
$ 98	4-Bromofluorobenzene (Surr)	95	13.449	13.464	(0.912)	416295	9.12214	9.12214
M 1	1,2-Dichloroethene (total)	96				313860	10.6696	10.6696
M 2	Xylene (total)	106				679055	15.5428	15.5428
6	dichlorodifluoromethane	85	2.672	2.648	(0.351)	90291	2.43058	2.43058
7	1,2-Dichlorotetrafluoroethane	85	2.672	2.792	(0.351)	90291	2.11049	2.11049
8	Chloromethane	50	2.864	2.857	(0.376)	81543	4.10674	4.10674
9	Vinyl Chloride	62	3.003	2.996	(0.394)	95636	4.05104	4.05104
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	3.317	3.327	(0.435)	104528	4.40293	4.40293
13	Chloroethane	64	3.369	3.379	(0.442)	76827	4.62619	4.62619
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	3.630	3.623	(0.477)	200584	4.07761	4.07761(Q)
17	Ethyl Ether	59	Compound Not Detected.					
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	4.065	4.075	(0.534)	65356	52.5849	52.5849

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
21 1,1-Dichloroethene	96	4.187	4.180	(0.550)	144789	5.72678	5.72678
23 Trichlorotrifluoroethane	151	4.205	4.202	(0.552)	195864	5.85959	5.85959
22 Acetone	43	4.222	4.249	(0.554)	31298	17.3490	17.3490
25 Iodomethane	142	4.379	4.389	(0.575)	361531	5.57835	5.57835
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	4.466	4.463	(0.586)	377490	4.54954	4.54954
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	4.709	4.702	(0.618)	136868	3.96167	3.96167
31 tert-Butyl alcohol	59	4.814	4.841	(0.632)	86632	89.5465	89.5465
32 Acrylonitrile	53	4.988	4.981	(0.655)	104734	47.9837	47.9837
33 Methyl t-butyl ether	73	4.988	5.003	(0.655)	230798	4.84827	4.84827(a)
34 trans-1,2-Dichloroethene	96	5.005	4.998	(0.657)	159618	5.39075	5.39075
35 Hexane	57	5.267	5.264	(0.441)	174876	4.79109	4.79108
36 1,1-Dichloroethane	63	5.493	5.520	(0.721)	260078	5.14882	5.14882
37 Vinyl Acetate	43	5.493	5.507	(0.721)	105096	5.22602	5.22602
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	6.189	6.182	(0.813)	154242	5.27887	5.27887
43 2,2-Dichloropropane	77	6.189	6.199	(0.813)	179303	4.70979	4.70979
42 2-Butanone	43	6.172	6.164	(0.810)	65157	17.6839	17.6839
44 Ethyl Acetate	43	6.172	6.221	(0.810)	65157	6.59145	6.59145(Q)
46 2-Butanol	45	6.381	6.395	(0.838)	104289	125.556	125.556
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	6.485	6.495	(0.851)	86189	5.39625	5.39624
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	6.555	6.565	(0.861)	250712	4.98163	4.98163
52 1,1,1-Trichloroethane	97	6.816	6.826	(0.895)	213555	4.66657	4.66657
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	6.990	7.000	(0.918)	212003	4.87935	4.87935
55 Carbon Tetrachloride	117	7.025	7.035	(0.922)	215869	4.66100	4.66100
58 Benzene	78	7.269	7.261	(0.954)	435789	5.28227	5.28227
59 1,2-Dichloroethane	62	7.303	7.296	(0.959)	92071	4.82520	4.82520
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	8.087	8.097	(1.062)	181217	5.08600	5.08600
64 2-Pentanone	43	8.331	8.310	(1.094)	62886	7.31174	7.31174(R)
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	8.400	8.410	(1.103)	151980	4.91305	4.91304
68 Dibromomethane	93	8.574	8.584	(1.126)	90765	5.05981	5.05981
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	8.766	8.776	(1.151)	216636	4.95784	4.95784
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	9.375	9.368	(1.231)	203984	5.19938	5.19938
74 4-Methyl-2-pentanone	43	9.584	9.577	(1.258)	217919	18.3765	18.3765
76 Toluene	91	9.845	9.855	(1.293)	488442	5.33781	5.33781
77 trans-1,3-Dichloropropene	75	10.176	10.169	(1.336)	149732	5.25565	5.25565
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	10.472	10.482	(1.375)	99243	5.23448	5.23448
80 Tetrachloroethene	164	10.698	10.708	(0.895)	184460	5.38271	5.38271
81 1,3-Dichloropropane	76	10.751	10.761	(0.899)	151054	5.03660	5.03660
82 2-Hexanone	43	10.872	10.865	(0.910)	134845	15.9667	15.9667
83 Dibromochloromethane	129	11.116	11.126	(0.930)	186942	4.98327	4.98327

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85	1,2-Dibromoethane	107	11.308	11.318	(0.946)	129641	4.91911	4.91910
87	1-Chlorohexane	91	11.934	11.944	(0.999)	228784	4.93002	4.93002
88	Chlorobenzene	112	12.004	12.014	(1.004)	360836	5.28596	5.28596
89	1,1,1,2-Tetrachloroethane	131	12.108	12.118	(1.013)	177114	5.21221	5.21220
90	Ethylbenzene	106	12.143	12.136	(1.016)	173563	5.16499	5.16499
91	m and p-Xylene	106	12.283	12.293	(1.028)	470464	10.4233	10.4233
92	o-Xylene	106	12.805	12.815	(1.071)	208591	5.11951	5.11950
93	Styrene	104	12.822	12.832	(1.073)	350884	5.30565	5.30565
94	Bromoform	173	13.083	13.093	(1.095)	103127	5.27983	5.27983
95	isopropyl benzene	105	13.257	13.268	(0.899)	616770	4.84258	4.84258
96	cis-1,4-dichloro-2-butene	53	13.240	13.359	(0.897)	6601	2.36345	2.36345(aQ)
97	Cyclohexanone	55	13.414	13.407	(1.122)	37139	101.644	101.644
100	Bromobenzene	156	13.641	13.651	(0.924)	173430	5.15859	5.15859
99	1,1,2,2-Tetrachloroethane	83	13.623	13.633	(0.923)	127633	4.94036	4.94036
101	1,2,3-Trichloropropane	110	13.675	13.685	(0.927)	29387	5.01286	5.01286(Q)
102	t-1,4-Dichloro-2-butene	53	13.693	13.690	(0.928)	86129	24.0773	24.0773(Q)
103	n-Propylbenzene	120	13.745	13.755	(0.932)	164917	4.70108	4.70108
104	2-Chlorotoluene	126	13.849	13.859	(0.939)	142200	4.74128	4.74128
105	1,3,5-Trimethylbenzene	105	13.936	13.946	(0.945)	450165	4.78423	4.78423
106	4-Chlorotoluene	126	13.971	13.981	(0.947)	164530	4.96244	4.96244
107	tert-Butylbenzene	119	14.319	14.312	(0.971)	533152	4.75340	4.75340
108	1,2,4-Trimethylbenzene	105	14.354	14.364	(0.973)	433997	4.80623	4.80623
109	sec-Butylbenzene	134	14.546	14.556	(0.986)	148190	4.91767	4.91767
110	1,3-Dichlorobenzene	146	14.685	14.695	(0.995)	282192	4.81529	4.81529
111	4-Isopropyltoluene	119	14.685	14.695	(0.995)	581036	4.70024	4.70024
113	1,4-dichlorobenzene	146	14.772	14.782	(1.001)	374090	5.49263	5.49263
115	n-Butylbenzene	91	15.120	15.113	(1.025)	511548	4.82069	4.82069
116	1,2-Dichlorobenzene	146	15.155	15.165	(1.027)	254922	5.12176	5.12176
117	1,2-Dibromo-3-chloropropane	157	15.921	15.931	(1.079)	24777	4.98812	4.98812
118	1,2,4-Trichlorobenzene	180	16.687	16.697	(1.131)	181682	4.89872	4.89872
119	Hexachlorobutadiene	225	16.844	16.854	(1.142)	163081	4.83975	4.83975
120	Naphthalene	128	16.948	16.941	(1.149)	205503	4.76525	4.76525
121	1,2,3-Trichlorobenzene	180	17.192	17.185	(1.165)	146737	4.97389	4.97389

QC Flag Legend

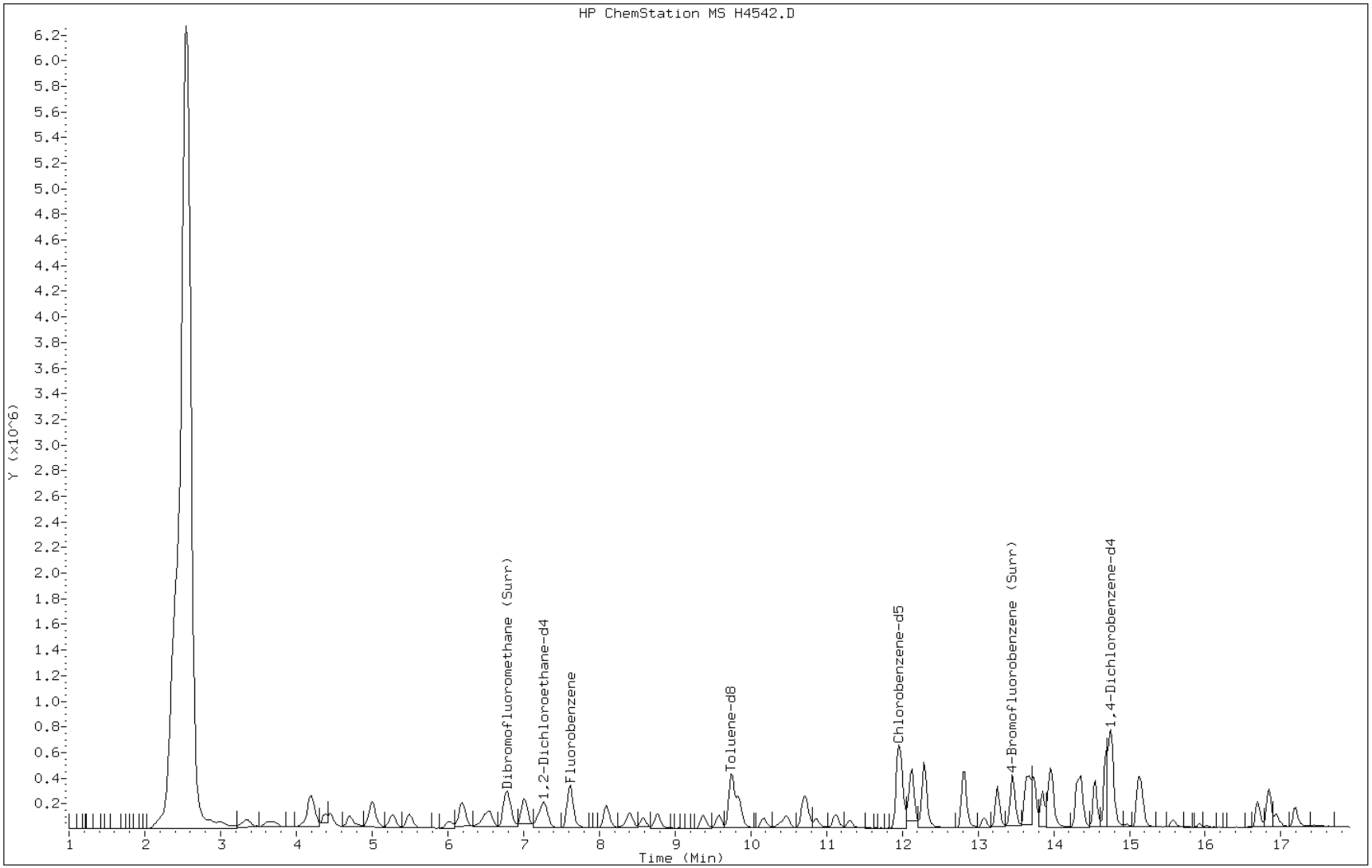
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: H4542.D

Date: 05-JUL-2012 12:50

Client ID: Instrument: H.i

Sample Info: 280-30425-w-4 MSD,,PH<2 Operator: MEIERG



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: MSV_H Start Date: 07/02/2012 12:21

Analysis Batch Number: 126680 End Date: 07/02/2012 18:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-126680/1		07/02/2012 12:21	1	H4454.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/2		07/02/2012 12:30	1	H4455.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/3		07/02/2012 12:52	1	H4456.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/4		07/02/2012 13:15	1	H4457.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/5		07/02/2012 13:37	1	H4458.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/6		07/02/2012 13:59	1	H4459.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/7		07/02/2012 14:21	1	H4460.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/8		07/02/2012 14:44	1	H4461.D	DB-624 (75.53) 0.53(mm)
ICV 280-126680/9		07/02/2012 15:06	1	H4462.D	DB-624 (75.53) 0.53(mm)
ICV 280-126680/10		07/02/2012 15:28	1	H4463.D	DB-624 (75.53) 0.53(mm)
ICV 280-126680/11		07/02/2012 15:51	1	H4464.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/12		07/02/2012 16:13	1	H4465.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/13		07/02/2012 16:35	1	H4466.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/14		07/02/2012 16:58	1	H4467.D	DB-624 (75.53) 0.53(mm)
ICIS 280-126680/15		07/02/2012 17:20	1	H4468.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/16		07/02/2012 17:42	1	H4469.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/17		07/02/2012 18:04	1	H4470.D	DB-624 (75.53) 0.53(mm)
ICV 280-126680/18		07/02/2012 18:26	1	H4471.D	DB-624 (75.53) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: MSV_H Start Date: 07/05/2012 08:14

Analysis Batch Number: 126758 End Date: 07/05/2012 18:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-126758/1		07/05/2012 08:14	1	H4529.D	DB-624 (75.53) 0.53(mm)
CCV 280-126758/2		07/05/2012 08:21	1	H4530.D	DB-624 (75.53) 0.53(mm)
CCV 280-126758/3		07/05/2012 08:44	1	H4531.D	DB-624 (75.53) 0.53(mm)
LCS 280-126758/4		07/05/2012 09:06	1	H4532.D	DB-624 (75.53) 0.53(mm)
LCSD 280-126758/5		07/05/2012 09:28	1	H4533.D	DB-624 (75.53) 0.53(mm)
MB 280-126758/6		07/05/2012 09:50	1	H4534.D	DB-624 (75.53) 0.53(mm)
ZZZZZ		07/05/2012 10:15	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/05/2012 10:37	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/05/2012 10:59	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/05/2012 11:21	10		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/05/2012 11:43	20		DB-624 (75.53) 0.53(mm)
280-30425-4	LF1M1030UA	07/05/2012 12:05	1	H4540.D	DB-624 (75.53) 0.53(mm)
280-30425-4 MS	LF1M1030UA MS	07/05/2012 12:28	1	H4541.D	DB-624 (75.53) 0.53(mm)
280-30425-4 MSD	LF1M1030UA MSD	07/05/2012 12:50	1	H4542.D	DB-624 (75.53) 0.53(mm)
ZZZZZ		07/05/2012 13:12	1		DB-624 (75.53) 0.53(mm)
280-30425-2	LF1M0526UA	07/05/2012 13:34	1	H4544.D	DB-624 (75.53) 0.53(mm)
280-30425-3	LF1M0620UA	07/05/2012 13:57	1	H4545.D	DB-624 (75.53) 0.53(mm)
280-30425-5	LF1M1030UC	07/05/2012 14:19	1	H4546.D	DB-624 (75.53) 0.53(mm)
280-30425-6	LF1M1212UA	07/05/2012 14:41	1	H4547.D	DB-624 (75.53) 0.53(mm)
280-30425-7	MWSAR0324UA	07/05/2012 15:04	1	H4548.D	DB-624 (75.53) 0.53(mm)
280-30425-8	062512UE	07/05/2012 15:26	1	H4549.D	DB-624 (75.53) 0.53(mm)
280-30425-9	062512UF	07/05/2012 15:48	1	H4550.D	DB-624 (75.53) 0.53(mm)
280-30425-10	062512UR	07/05/2012 16:10	1	H4551.D	DB-624 (75.53) 0.53(mm)
ZZZZZ		07/05/2012 16:33	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/05/2012 16:55	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/05/2012 17:17	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/05/2012 17:39	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/05/2012 18:01	1		DB-624 (75.53) 0.53(mm)

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG No.:

Project: Griffiss AFB LF1

Client Sample ID	Lab Sample ID
LF1P0525UA	280-30425-1
LF1M0526UA	280-30425-2
LF1M0620UA	280-30425-3
LF1M1030UA	280-30425-4
LF1M1030UC	280-30425-5
LF1M1212UA	280-30425-6
MWSAR0324UA	280-30425-7
062512UE	280-30425-8

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1P0525UA
Lab Sample ID: 280-30425-1
Lab Name: TestAmerica Denver
Job No.: 280-30425-1
SDG ID.:
Matrix: Water
Date Sampled: 06/25/2012 14:17
Reporting Basis: WET
Date Received: 06/26/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.21	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	1.0	1.0	0.20	0.077	mg/L			1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	U		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	260	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.14	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	0.068	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	8.7	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.068	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	0.50	5.0	0.50	0.23	mg/L	U		1	9056A
Total Organic Carbon - Quad	1.9	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	310	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	320	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1M0526UA
Lab Sample ID: 280-30425-2
Lab Name: TestAmerica Denver
Job No.: 280-30425-1
SDG ID.:
Matrix: Water
Date Sampled: 06/25/2012 13:35
Reporting Basis: WET
Date Received: 06/26/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.76	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	2.0	1.0	0.20	0.077	mg/L			1	351.2
Chemical Oxygen Demand	9.3	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	350	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.18	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Chloride	11	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.12	1.0	0.10	0.060	mg/L	J		1	9056A
Nitrate Nitrite as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	0.50	5.0	0.50	0.23	mg/L	U		1	9056A
Total Organic Carbon - Quad	2.2	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	400	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	410	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1M0620UA
Lab Sample ID: 280-30425-3
Lab Name: TestAmerica Denver
Job No.: 280-30425-1
SDG ID.:
Matrix: Water
Date Sampled: 06/25/2012 15:45
Reporting Basis: WET
Date Received: 06/26/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.44	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	1.5	1.0	0.20	0.077	mg/L			1	351.2
Chemical Oxygen Demand	8.0	20	10	4.1	mg/L	J		1	410.4
Color	25	5.0	5.0	5.0	PCU			1	SM 2120B
Hardness as calcium carbonate	290	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.21	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	0.052	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	18	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.052	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	0.50	5.0	0.50	0.23	mg/L	U		1	9056A
Total Organic Carbon - Quad	1.1	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	360	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	380	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	2.6	2.5	0.75	0.30	mg/L			1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1M1030UA
Lab Sample ID: 280-30425-4
Lab Name: TestAmerica Denver
Job No.: 280-30425-1
SDG ID.:
Matrix: Water
Date Sampled: 06/25/2012 12:42
Reporting Basis: WET
Date Received: 06/26/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.11	0.10	0.050	0.022	mg/L		J	1	350.1
Nitrogen, Kjeldahl	0.70	1.0	0.20	0.077	mg/L	J	J	1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	U		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	220	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.58	0.50	0.10	0.042	mg/L			1	9056A
Chloride	1.9	3.0	0.50	0.25	mg/L	J		1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.58	0.50	0.10	0.042	mg/L			1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U	J	1	9056A
Sulfate	6.0	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.69	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	230	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	240	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1M1030UC
Lab Sample ID: 280-30425-5
Lab Name: TestAmerica Denver
Job No.: 280-30425-1
SDG ID.:
Matrix: Water
Date Sampled: 06/25/2012 12:42
Reporting Basis: WET
Date Received: 06/26/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.11	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	0.59	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	7.0	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	210	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.59	0.50	0.10	0.042	mg/L			1	9056A
Chloride	0.33	3.0	0.50	0.25	mg/L	J		1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.075	1.0	0.10	0.060	mg/L	J		1	9056A
Nitrate Nitrite as N	0.59	0.50	0.10	0.042	mg/L			1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	6.0	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.78	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	230	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	240	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1M1212UA
Lab Sample ID: 280-30425-6
Lab Name: TestAmerica Denver
Job No.: 280-30425-1
SDG ID.:
Matrix: Water
Date Sampled: 06/25/2012 11:31
Reporting Basis: WET
Date Received: 06/26/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.083	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	0.80	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	J		1	410.4
Color	25	5.0	5.0	5.0	PCU			1	SM 2120B
Hardness as calcium carbonate	150	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Chloride	5.0	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	1.8	5.0	0.50	0.23	mg/L	J		1	9056A
Total Organic Carbon - Quad	0.66	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	160	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	180	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	1.4	2.0	0.60	0.24	mg/L	J		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MWSAR0324UA
Lab Sample ID: 280-30425-7
Lab Name: TestAmerica Denver
Job No.: 280-30425-1
SDG ID.:
Matrix: Water
Date Sampled: 06/25/2012 15:32
Reporting Basis: WET
Date Received: 06/26/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.22	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	0.84	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	9.0	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	81	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Chloride	6.6	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	0.40	5.0	0.50	0.23	mg/L	J		1	9056A
Total Organic Carbon - Quad	1.4	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	80	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	120	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	2.8	2.5	0.75	0.30	mg/L			1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 062512UE
Lab Sample ID: 280-30425-8
Lab Name: TestAmerica Denver
Job No.: 280-30425-1
SDG ID.:
Matrix: Water
Date Sampled: 06/25/2012 16:15
Reporting Basis: WET
Date Received: 06/26/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.078	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	0.46	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	U		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	1.5	5.0	1.5	1.3	mg/L	U		1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.11	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	0.49	3.0	0.50	0.25	mg/L	J		1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.11	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	0.50	5.0	0.50	0.23	mg/L	U		1	9056A
Total Organic Carbon - Quad	0.25	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	2.0	5.0	2.0	1.1	mg/L	U		1	SM 2320B
Total Dissolved Solids	10	10	10	4.7	mg/L	U		1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Analyst: BQW Batch Start Date: 07/09/2012

Reporting Units: mg/L Analytical Batch No.: 127015

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
15	ICVL	11:38	Ammonia	1.95	2.00	97	90-110		NXN ICV INT_00149
16	ICV	11:39	Ammonia	4.94	5.00	99	90-110		NXN ICV INT_00149
17	ICB	11:41	Ammonia	0.0373				J	
32	CCV	12:03	Ammonia	5.04	5.00	101	90-110		NXN CAL INT_00156
33	CCVL	12:05	Ammonia	0.994	1.00	99	90-110		NXN CAL INT_00156
34	CCB	12:06	Ammonia	0.0393				J	
65	CCVL	12:53	Ammonia	1.00	1.00	100	90-110		NXN CAL INT_00156
66	CCB	12:55	Ammonia	0.0424				J	
80	CCV	13:16	Ammonia	4.98	5.00	100	90-110		NXN CAL INT_00156
81	CCVL	13:17	Ammonia	1.00	1.00	100	90-110		NXN CAL INT_00156
82	CCB	13:19	Ammonia	0.0419				J	
96	CCV	13:40	Ammonia	5.02	5.00	100	90-110		NXN CAL INT_00156
97	CCVL	13:41	Ammonia	1.02	1.00	102	90-110		NXN CAL INT_00156
98	CCB	13:43	Ammonia	0.0407				J	
112	CCV	14:04	Ammonia	5.11	5.00	102	90-110		NXN CAL INT_00156
113	CCVL	14:05	Ammonia	1.03	1.00	103	90-110		NXN CAL INT_00156
114	CCB	14:07	Ammonia	0.0401				J	
129	CCV	14:29	Ammonia	5.15	5.00	103	90-110		NXN CAL INT_00156
130	CCVL	14:31	Ammonia	1.05	1.00	105	90-110		NXN CAL INT_00156
131	CCB	14:32	Ammonia	0.0386				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Analyst: MW Batch Start Date: 07/19/2012

Reporting Units: mg/L Analytical Batch No.: 128608

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
13	ICV	22:16	Nitrogen, Kjeldahl	9.78	9.92	99	90-110		TKN ICV_00003
14	ICB	22:17	Nitrogen, Kjeldahl	0.330				J	
51	CCV	23:03	Nitrogen, Kjeldahl	5.10	5.00	102	90-110		TKN 25ppm_00101
52	CCB	23:05	Nitrogen, Kjeldahl	0.298				J	
65	CCV	23:21	Nitrogen, Kjeldahl	4.95	5.00	99	90-110		TKN 25ppm_00101
66	CCB	23:22	Nitrogen, Kjeldahl	0.280				J	
79	CCV	23:38	Nitrogen, Kjeldahl	4.91	5.00	98	90-110		TKN 25ppm_00101
80	CCB	23:40	Nitrogen, Kjeldahl	0.277				J	
93	CCV	23:56	Nitrogen, Kjeldahl	4.93	5.00	99	90-110		TKN 25ppm_00101
94	CCB	23:57	Nitrogen, Kjeldahl	0.253				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Analyst: MF Batch Start Date: 07/03/2012

Reporting Units: mg/L Analytical Batch No.: 126482

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
29	CCB	09:26	Chemical Oxygen Demand	10				U	
1	ICV	09:26	Chemical Oxygen Demand	100	100	100	90-110		COD icv std_00009
2	ICB	09:26	Chemical Oxygen Demand	10				U	
16	CCV	09:26	Chemical Oxygen Demand	96.4	100	96	90-110		COD cal std_00014
17	CCB	09:26	Chemical Oxygen Demand	10				U	
28	CCV	09:26	Chemical Oxygen Demand	97.7	100	98	90-110		COD cal std_00014

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Analyst: MF Batch Start Date: 07/03/2012

Reporting Units: mg/L Analytical Batch No.: 126498

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	10:07	Chemical Oxygen Demand	100	100	100	90-110		COD icv std_00009
2	ICB	10:07	Chemical Oxygen Demand	10				U	
16	CCV	10:07	Chemical Oxygen Demand	98.1	100	98	90-110		COD cal std_00014
17	CCB	10:07	Chemical Oxygen Demand	10				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Analyst: EK Batch Start Date: 06/26/2012

Reporting Units: mg/L Analytical Batch No.: 125720

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	08:48	Nitrate as N	2.13	2.00	106	90-110		IC ICV daily_00824
			Nitrite as N	1.91	2.00	95	90-110		IC ICV daily_00824
			Orthophosphate as P	1.96	2.00	98	90-110		IC ICV daily_00824
2	ICB	09:14	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	
18	CCV	14:29	Nitrate as N	5.00	5.00	100	90-110		IC daily cal_00824
			Nitrite as N	4.95	5.00	99	90-110		IC daily cal_00824
			Orthophosphate as P	5.34	5.00	107	90-110		IC daily cal_00824
19	CCB	14:46	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	
30	CCV	17:51	Nitrate as N	5.01	5.00	100	90-110		IC daily cal_00824
			Nitrite as N	4.98	5.00	100	90-110		IC daily cal_00824
			Orthophosphate as P	4.79	5.00	96	90-110		IC daily cal_00824
31	CCB	18:08	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Analyst: EK Batch Start Date: 06/26/2012

Reporting Units: mg/L Analytical Batch No.: 125721

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	08:48	Bromide	2.05	2.00	102	90-110		IC ICV daily_00824
			Chloride	10.6	10.0	106	90-110		IC ICV daily_00824
			Fluoride	2.18	2.00	109	90-110		IC ICV daily_00824
			Sulfate	10.5	10.0	105	90-110		IC ICV daily_00824
2	ICB	09:14	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
18	CCV	14:29	Bromide	4.98	5.00	100	90-110		IC daily cal_00824
			Chloride	25.1	25.0	100	90-110		IC daily cal_00824
			Fluoride	5.03	5.00	101	90-110		IC daily cal_00824
			Sulfate	25.5	25.0	102	90-110		IC daily cal_00824
19	CCB	14:46	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
30	CCV	17:51	Bromide	4.99	5.00	100	90-110		IC daily cal_00824
			Chloride	25.1	25.0	100	90-110		IC daily cal_00824
			Fluoride	5.04	5.00	101	90-110		IC daily cal_00824
			Sulfate	25.7	25.0	103	90-110		IC daily cal_00824
31	CCB	18:08	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Analyst: DFB Batch Start Date: 07/16/2012

Reporting Units: mg/L Analytical Batch No.: 128057

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	17:54	Total Organic Carbon - Quad	18.8	20.0	94	90-110		TOC ICV Std_00012
2	ICB	18:14	Total Organic Carbon - Quad	0.25				U	
28	CCV	01:54	Total Organic Carbon - Quad	24.4	25.0	97	90-110		TOC LCS Std_00013
29	CCB	02:13	Total Organic Carbon - Quad	0.25				U	
40	CCV	05:33	Total Organic Carbon - Quad	24.8	25.0	99	90-110		TOC LCS Std_00013
41	CCB	05:53	Total Organic Carbon - Quad	0.25				U	
52	CCV	08:55	Total Organic Carbon - Quad	24.8	25.0	99	90-110		TOC LCS Std_00013
53	CCB	09:14	Total Organic Carbon - Quad	0.209				J	
62	CCV	11:51	Total Organic Carbon - Quad	24.7	25.0	99	90-110		TOC LCS Std_00013
63	CCB	12:11	Total Organic Carbon - Quad	0.171				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Analyst: AJA Batch Start Date: 07/02/2012

Reporting Units: mg/L Analytical Batch No.: 126467

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
17	CCV	11:36	Alkalinity	211	200	105	90-110		Alk daily lcs_00256
18	CCB	11:40	Alkalinity	2.0				U	
29	CCV	12:33	Alkalinity	211	200	105	90-110		Alk daily lcs_00256
30	CCB	12:37	Alkalinity	2.0				U	
41	CCV	13:30	Alkalinity	208	200	104	90-110		Alk daily lcs_00256
42	CCB	13:34	Alkalinity	2.0				U	
53	CCV	14:36	Alkalinity	211	200	105	90-110		Alk daily lcs_00256
54	CCB	14:40	Alkalinity	2.0				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 127015 Date: 07/09/2012 11:45							
350.1	MB 280-127015/20	Ammonia	0.0381	J	mg/L	0.10	1
Batch ID: 127015 Date: 07/09/2012 13:59							
350.1	MB 280-127015/109	Ammonia	0.0462	J	mg/L	0.10	1
Batch ID: 128608 Date: 07/19/2012 23:18 Prep Batch: 128145 Date: 07/17/2012 17:53							
351.2	MB 280-128145/3-A	Nitrogen, Kjeldahl	0.280	J	mg/L	1.0	1
Batch ID: 126482 Date: 07/03/2012 09:26							
410.4	MB 280-126482/5	Chemical Oxygen Demand	10	U	mg/L	20	1
Batch ID: 126498 Date: 07/03/2012 10:07							
410.4	MB 280-126498/5	Chemical Oxygen Demand	10	U	mg/L	20	1
Batch ID: 125720 Date: 06/26/2012 10:59							
9056A	MB 280-125720/7	Nitrate as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125720/7	Nitrite as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125720/7	Nitrate Nitrite as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125720/7	Orthophosphate as P	0.20	U	mg/L	0.50	1
Batch ID: 125721 Date: 06/26/2012 10:59							
9056A	MB 280-125721/7	Bromide	0.20	U	mg/L	0.50	1
9056A	MB 280-125721/7	Chloride	0.50	U	mg/L	3.0	1
9056A	MB 280-125721/7	Fluoride	0.10	U	mg/L	1.0	1
9056A	MB 280-125721/7	Sulfate	0.50	U	mg/L	5.0	1
Batch ID: 128057 Date: 07/17/2012 03:45							
9060A	MB 280-128057/34	Total Organic Carbon - Quad	0.40	U	mg/L	1.0	1
Batch ID: 126228 Date: 06/27/2012 09:00							
SM 2120B	MB 280-126228/1	Color	5.0	U	PCU	5.0	1
Batch ID: 126467 Date: 07/02/2012 10:42							
SM 2320B	MB 280-126467/6	Alkalinity	2.0	U	mg/L	5.0	1
Batch ID: 126467 Date: 07/02/2012 12:50							
SM 2320B	MB 280-126467/33	Alkalinity	2.0	U	mg/L	5.0	1
Batch ID: 128483 Date: 07/19/2012 12:25							
SM 2340C	MB 280-128483/1	Hardness as calcium carbonate	1.5	U	mg/L	5.0	1
Batch ID: 126303 Date: 07/02/2012 09:55							
SM 2540C	MB 280-126303/1	Total Dissolved Solids	10	U	mg/L	10	1
Batch ID: 125739 Date: 06/27/2012 06:59							
SM5210B	MB 280-125739/14	Biochemical Oxygen Demand	0.60	U	mg/L	2.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 127015	Date: 07/09/2012 14:16										
350.1	280-30425-4	Ammonia	0.11		mg/L						J
350.1	280-30425-4 MS	Ammonia	1.74		mg/L	4.00	41	90-110			J
Batch ID: 128608	Date: 07/19/2012 23:28	Prep Batch: 128145	Date: 07/17/2012 17:53								
351.2	280-30425-4	Nitrogen, Kjeldahl	0.70	J	mg/L						J
351.2	280-30425-4 MS	Nitrogen, Kjeldahl	2.60		mg/L	3.00	63	90-110			J
Batch ID: 126482	Date: 07/03/2012 09:26										
410.4	280-30425-4	Chemical Oxygen Demand	10	U	mg/L						
410.4	280-30425-4 MS	Chemical Oxygen Demand	50.0		mg/L	50.0	100	90-110			
Batch ID: 125720	Date: 06/26/2012 13:39										
9056A	280-30425-4	Nitrate as N	0.58		mg/L						
9056A	280-30425-4 MS	Nitrate as N	5.70		mg/L	5.00	102	87-110			
9056A	280-30425-4	Nitrite as N	0.10	U	mg/L						
9056A	280-30425-4 MS	Nitrite as N	5.00		mg/L	5.00	100	87-112			
9056A	280-30425-4	Orthophosphate as P	0.20	U	mg/L						J
9056A	280-30425-4 MS	Orthophosphate as P	5.75		mg/L	5.00	115	80-120			
Batch ID: 125721	Date: 06/26/2012 13:39										
9056A	280-30425-4	Bromide	0.20	U	mg/L						
9056A	280-30425-4 MS	Bromide	5.14		mg/L	5.00	103	86-110			
9056A	280-30425-4	Chloride	1.9	J	mg/L						
9056A	280-30425-4 MS	Chloride	26.6		mg/L	25.0	99	89-110			
9056A	280-30425-4	Fluoride	0.10	U	mg/L						
9056A	280-30425-4 MS	Fluoride	4.98		mg/L	5.00	100	88-111			
9056A	280-30425-4	Sulfate	6.0		mg/L						
9056A	280-30425-4 MS	Sulfate	31.5		mg/L	25.0	102	86-110			
Batch ID: 128057	Date: 07/17/2012 10:06										
9060A	280-30425-4	Total Organic Carbon - Quad	0.69	J	mg/L						
9060A	280-30425-4 MS	Total Organic Carbon - Quad	24.5		mg/L	25.0	95	86-114			
Batch ID: 128483	Date: 07/19/2012 12:25										
SM 2340C	280-30425-4	Hardness as calcium carbonate	220		mg/L						
SM 2340C	280-30425-4 MS	Hardness as calcium carbonate	600		mg/L	403	94	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 127015	Date: 07/09/2012 14:17										
350.1	280-30425-4 MSD	Ammonia	1.73		mg/L	4.00	40	90-110	1	20	J
Batch ID: 128608	Date: 07/19/2012 23:30	Prep Batch: 128145			Date: 07/17/2012 17:53						
351.2	280-30425-4 MSD	Nitrogen, Kjeldahl	2.59		mg/L	3.00	63	90-110	0	25	J
Batch ID: 126482	Date: 07/03/2012 09:26										
410.4	280-30425-4 MSD	Chemical Oxygen Demand	47.6		mg/L	50.0	95	90-110	5	11	
Batch ID: 125720	Date: 06/26/2012 13:56										
9056A	280-30425-4 MSD	Nitrate as N	5.85		mg/L	5.00	105	87-110	3	10	
9056A	280-30425-4 MSD	Nitrite as N	5.13		mg/L	5.00	103	87-112	3	10	
9056A	280-30425-4 MSD	Orthophosphate as P	6.10		mg/L	5.00	122	80-120	6	20	J
Batch ID: 125721	Date: 06/26/2012 13:56										
9056A	280-30425-4 MSD	Bromide	5.30		mg/L	5.00	106	86-110	3	10	
9056A	280-30425-4 MSD	Chloride	27.4		mg/L	25.0	102	89-110	3	10	
9056A	280-30425-4 MSD	Fluoride	5.14		mg/L	5.00	103	88-111	3	10	
9056A	280-30425-4 MSD	Sulfate	32.1		mg/L	25.0	105	86-110	2	10	
Batch ID: 128057	Date: 07/17/2012 10:24										
9060A	280-30425-4 MSD	Total Organic Carbon - Quad	24.5		mg/L	25.0	95	86-114	0	12	
Batch ID: 128483	Date: 07/19/2012 12:25										
SM 2340C	280-30425-4 MSD	Hardness as calcium carbonate	621		mg/L	403	100	90-110	3	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 125720	Date: 06/26/2012 13:22							
9056A	LF1M1030UA	280-30425-4	Nitrate as N	0.58	mg/L			
9056A	LF1M1030UA	280-30425-4 DU	Nitrate as N	0.581	mg/L	0	15	
9056A	LF1M1030UA	280-30425-4	Nitrite as N	0.10	mg/L			U
9056A	LF1M1030UA	280-30425-4 DU	Nitrite as N	0.10	mg/L	NC	15	U
9056A	LF1M1030UA	280-30425-4	Orthophosphate as P	0.20	mg/L			U
9056A	LF1M1030UA	280-30425-4 DU	Orthophosphate as P	0.20	mg/L	NC	15	U
Batch ID: 125721	Date: 06/26/2012 13:22							
9056A	LF1M1030UA	280-30425-4	Bromide	0.20	mg/L			U
9056A	LF1M1030UA	280-30425-4 DU	Bromide	0.20	mg/L	NC	15	U
9056A	LF1M1030UA	280-30425-4	Chloride	1.9	mg/L			J
9056A	LF1M1030UA	280-30425-4 DU	Chloride	0.363	mg/L	135	15	J
9056A	LF1M1030UA	280-30425-4	Fluoride	0.10	mg/L			U
9056A	LF1M1030UA	280-30425-4 DU	Fluoride	0.10	mg/L	NC	15	U
9056A	LF1M1030UA	280-30425-4	Sulfate	6.0	mg/L			
9056A	LF1M1030UA	280-30425-4 DU	Sulfate	5.89	mg/L	1	15	
Batch ID: 126228	Date: 06/27/2012 09:00							
SM 2120B	LF1P0525UA	280-30425-1	Color	5.0	PCU			U
SM 2120B	LF1P0525UA	280-30425-1 DU	Color	5.0	PCU	NC	20	U
Batch ID: 126467	Date: 07/02/2012 13:00							
SM 2320B	LF1P0525UA	280-30425-1	Alkalinity	310	mg/L			
SM 2320B	LF1P0525UA	280-30425-1 DU	Alkalinity	311	mg/L	0.6	10	
Batch ID: 126303	Date: 07/02/2012 09:55							
SM 2540C	LF1M1030UC	280-30425-5	Total Dissolved Solids	240	mg/L			
SM 2540C	LF1M1030UC	280-30425-5 DU	Total Dissolved Solids	246	mg/L	0.8	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 127015	Date: 07/09/2012 13:01										
						LCS Source: NXN CAL INT_00156					
350.1	LCS 280-127015/70	Ammonia	5.02		mg/L	5.00	100	90-110	0	10	
Batch ID: 127015	Date: 07/09/2012 14:11										
						LCS Source: NXN CAL INT_00156					
350.1	LCS 280-127015/117	Ammonia	5.05		mg/L	5.00	101	90-110	0	10	
Batch ID: 128608	Date: 07/19/2012 23:13	Prep Batch: 128145	Date: 07/17/2012 17:53								
						LCS Source: TKN 25ppm_00100					
351.2	LCS 280-128145/1-A	Nitrogen, Kjeldahl	6.05		mg/L	6.00	101	90-110	0	25	
Batch ID: 126482	Date: 07/03/2012 09:26										
						LCS Source: COD cal std_00014					
410.4	LCS 280-126482/3	Chemical Oxygen Demand	94.7		mg/L	100	95	90-110	2	11	
Batch ID: 126498	Date: 07/03/2012 10:07										
						LCS Source: COD cal std_00014					
410.4	LCS 280-126498/3	Chemical Oxygen Demand	98.4		mg/L	100	98	90-110	2	11	
Batch ID: 125720	Date: 06/26/2012 09:47										
						LCS Source: IC daily cal_00824					
9056A	LCS 280-125720/4	Nitrate as N	5.00		mg/L	5.00	100	87-110	0	10	
9056A	LCS 280-125720/4	Nitrite as N	4.97		mg/L	5.00	99	87-112	0	10	
9056A	LCS 280-125720/4	Orthophosphate as P	4.76		mg/L	5.00	95	90-110	2	10	
Batch ID: 125721	Date: 06/26/2012 09:47										
						LCS Source: IC daily cal_00824					
9056A	LCS 280-125721/4	Bromide	4.97		mg/L	5.00	99	86-110	0	10	
9056A	LCS 280-125721/4	Chloride	25.1		mg/L	25.0	100	89-110	0	10	
9056A	LCS 280-125721/4	Fluoride	5.06		mg/L	5.00	101	88-111	0	10	
9056A	LCS 280-125721/4	Sulfate	25.0		mg/L	25.0	100	86-110	0	10	
Batch ID: 128057	Date: 07/17/2012 03:04										
						LCS Source: TOC LCS Std_00013					
9060A	LCS 280-128057/32	Total Organic Carbon - Quad	24.5		mg/L	25.0	98	86-114	0	12	
Batch ID: 126467	Date: 07/02/2012 12:42										
						LCS Source: Alk daily lcs_00256					
SM 2320B	LCS 280-126467/31	Alkalinity	207		mg/L	200	104	90-110	0	10	
Batch ID: 128483	Date: 07/19/2012 12:25										
						LCS Source: Hard lcs std_00022					
SM 2340C	LCS 280-128483/2	Hardness as calcium carbonate	400		mg/L	403	99	90-110	1	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126303	Date: 07/02/2012 09:55										
						LCS Source: TDS LCS_00280					
SM 2540C	LCS 280-126303/2	Total Dissolved Solids	495		mg/L	501	99	86-110	2	20	
Batch ID: 125739	Date: 06/27/2012 06:59										
						LCS Source: BOD Daily LCS_00529					
SM5210B	LCS 280-125739/12	Biochemical Oxygen Demand	211		mg/L	198	107	85-115	1	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 127015	Date: 07/09/2012 13:02										
						LCSD Source: NXN CAL INT_00156					
350.1	LCSD 280-127015/71	Ammonia	5.03		mg/L	5.00	101	90-110	0	10	
Batch ID: 127015	Date: 07/09/2012 14:13										
						LCSD Source: NXN CAL INT_00156					
350.1	LCSD 280-127015/118	Ammonia	5.04		mg/L	5.00	101	90-110	0	10	
Batch ID: 128608	Date: 07/19/2012 23:15	Prep Batch: 128145	Date: 07/17/2012 17:53								
						LCSD Source: TKN 25ppm_00100					
351.2	LCSD 280-128145/2-A	Nitrogen, Kjeldahl	6.07		mg/L	6.00	101	90-110	0	25	
Batch ID: 126482	Date: 07/03/2012 09:26										
						LCSD Source: COD cal std_00014					
410.4	LCSD 280-126482/4	Chemical Oxygen Demand	96.7		mg/L	100	97	90-110	2	11	
Batch ID: 126498	Date: 07/03/2012 10:07										
						LCSD Source: COD cal std_00014					
410.4	LCSD 280-126498/4	Chemical Oxygen Demand	100		mg/L	100	100	90-110	2	11	
Batch ID: 125720	Date: 06/26/2012 10:04										
						LCSD Source: IC daily cal_00824					
9056A	LCSD 280-125720/5	Nitrate as N	5.01		mg/L	5.00	100	87-110	0	10	
9056A	LCSD 280-125720/5	Nitrite as N	4.95		mg/L	5.00	99	87-112	0	10	
9056A	LCSD 280-125720/5	Orthophosphate as P	4.88		mg/L	5.00	98	90-110	2	10	
Batch ID: 125721	Date: 06/26/2012 10:04										
						LCSD Source: IC daily cal_00824					
9056A	LCSD 280-125721/5	Bromide	4.96		mg/L	5.00	99	86-110	0	10	
9056A	LCSD 280-125721/5	Chloride	25.1		mg/L	25.0	100	89-110	0	10	
9056A	LCSD 280-125721/5	Fluoride	5.06		mg/L	5.00	101	88-111	0	10	
9056A	LCSD 280-125721/5	Sulfate	25.0		mg/L	25.0	100	86-110	0	10	
Batch ID: 128057	Date: 07/17/2012 03:25										
						LCSD Source: TOC LCS Std_00013					
9060A	LCSD 280-128057/33	Total Organic Carbon - Quad	24.5		mg/L	25.0	98	86-114	0	12	
Batch ID: 126467	Date: 07/02/2012 12:47										
						LCSD Source: Alk daily lcs_00256					
SM 2320B	LCSD 280-126467/32	Alkalinity	207		mg/L	200	104	90-110	0	10	
Batch ID: 128483	Date: 07/19/2012 12:25										
						LCSD Source: Hard lcs std_00022					
SM 2340C	LCSD 280-128483/3	Hardness as calcium carbonate	397		mg/L	403	98	90-110	1	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126303	Date: 07/02/2012 09:55										
						LCSD Source: TDS LCS_00280					
SM 2540C	LCSD 280-126303/3	Total Dissolved Solids	487		mg/L	501	97	86-110	2	20	
Batch ID: 125739	Date: 06/27/2012 06:59										
						LCSD Source: BOD Daily LCS_00529					
SM5210B	LCSD 280-125739/13	Biochemical Oxygen Demand	213		mg/L	198	108	85-115	1	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 125720	Date: 06/26/2012 09:30										
						LCS Source:	IC CAL INT1_00160				
9056A	MRL 280-125720/3	Nitrate as N	0.204	J	mg/L	0.200	102	50-150			
9056A	MRL 280-125720/3	Nitrite as N	0.204	J	mg/L	0.200	102	50-150			
Batch ID: 125721	Date: 06/26/2012 09:30										
						LCS Source:	IC CAL INT1_00160				
9056A	MRL 280-125721/3	Bromide	0.211		mg/L	0.200	106	50-150			
9056A	MRL 280-125721/3	Chloride	1.02	J	mg/L	1.00	102	50-150			
9056A	MRL 280-125721/3	Fluoride	0.182	J	mg/L	0.200	91	50-150			
9056A	MRL 280-125721/3	Sulfate	0.898	J	mg/L	1.00	90	50-150			
Batch ID: 125720	Date: 06/26/2012 10:42										
						LCS Source:	IC CAL INT1_00160				
9056A	MRL 280-125720/6	Orthophosphate as P	0.345	J	mg/L	0.500	69	50-150			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 350.1 DL Date: 03/28/2011 13:26

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Ammonia		0.1	0.022

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 350.1 XMDL Date: 03/28/2011 13:26

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Ammonia		0.1	0.0225

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 351.2 DL Date: 10/26/2010 10:52

Prep Method: 351.2

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Nitrogen, Kjeldahl		1	0.077

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 351.2 XMDL Date: 10/26/2010 10:52

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrogen, Kjeldahl		1	0.077

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: WC_HACH SPEC

Method: 410.4 DL Date: 09/19/2011 14:10

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Chemical Oxygen Demand		20	4.06

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: WC_HACH SPEC

Method: 410.4 XMDL Date: 03/22/2010 16:03

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chemical Oxygen Demand		20	4.06

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2120B LOQ Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	LOQ (PCU)	
Color		5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2120B XRL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (PCU)	
Color		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2340C DL Date: 03/11/2010 17:08

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Hardness as calcium carbonate		5	1.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2340C XMDL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Hardness as calcium carbonate		5	1.3

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A DL Date: 11/30/2009 00:00

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Bromide		0.5	0.113
Chloride		3	0.254
Fluoride		1	0.06
Nitrate as N		0.5	0.042
Nitrate Nitrite as N		0.5	0.042
Nitrite as N		0.5	0.049
Orthophosphate as P		0.5	0.187
Sulfate		5	0.232

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A XMDL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Bromide		0.2	0.113
Chloride		3	0.254
Fluoride		0.5	0.0597
Sulfate		5	0.232

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A XMDL Date: 03/28/2011 13:33

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrate as N		0.5	0.0425
Nitrate Nitrite as N		0.5	0.0425
Nitrite as N		0.5	0.0494
Orthophosphate as P		0.5	0.187

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060A DL Date: 11/30/2009 00:00

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Total Organic Carbon - Quad		1	0.155

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060A XMDL Date: 03/28/2011 11:39

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon - Quad		1	0.155

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: WC-AT3

Method: SM 2320B DL Date: 03/28/2011 12:06

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Alkalinity		5	1.07

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: WC-AT3

Method: SM 2320B XMDL Date: 03/28/2011 12:06

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Alkalinity		5	1.07

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2540C DL Date: 10/07/2011 10:03

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Total Dissolved Solids		10	4.7

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2540C XMDL Date: 10/11/2010 11:58

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Dissolved Solids		10	4.7

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM5210B DL Date: 03/28/2011 12:09

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Biochemical Oxygen Demand		2	0.236

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30425-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM5210B XMDL Date: 03/28/2011 12:09

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Biochemical Oxygen Demand		2	0.236

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Prep Method: 351.2

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LCS 280-128145/1-A	07/17/2012 17:53	128145		25	25
LCSD 280-128145/2-A	07/17/2012 17:53	128145		25	25
MB 280-128145/3-A	07/17/2012 17:53	128145		25	25
280-30425-1	07/17/2012 17:53	128145		25	25
280-30425-2	07/17/2012 17:53	128145		25	25
280-30425-3	07/17/2012 17:53	128145		25	25
280-30425-4	07/17/2012 17:53	128145		25	25
280-30425-4 MS	07/17/2012 17:53	128145		25	25
280-30425-4 MSD	07/17/2012 17:53	128145		25	25
280-30425-5	07/17/2012 17:53	128145		25	25
280-30425-6	07/17/2012 17:53	128145		25	25
280-30425-7	07/17/2012 17:53	128145		25	25
280-30425-8	07/17/2012 17:53	128145		25	25

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/09/2012 11:15 End Date: 07/09/2012 15:04

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			11:15																				
ZZZZZZ			11:18																				
ZZZZZZ			11:20																				
ZZZZZZ			11:21																				
IC 280-127015/5			11:23	X																			
IC 280-127015/6			11:24	X																			
IC 280-127015/7			11:26	X																			
IC 280-127015/8			11:27	X																			
IC 280-127015/9			11:29	X																			
IC 280-127015/10			11:30	X																			
IC 280-127015/11			11:32	X																			
ZZZZZZ			11:33																				
ZZZZZZ			11:35																				
ZZZZZZ			11:36																				
ICVL 280-127015/15	1		11:38	X																			
ICV 280-127015/16	1		11:39	X																			
ICB 280-127015/17	1		11:41	X																			
MRL 280-127015/18	1	T	11:42	X																			
ZZZZZZ			11:44																				
MB 280-127015/20	1	T	11:45	X																			
ZZZZZZ			11:47																				
ZZZZZZ			11:48																				
ZZZZZZ			11:50																				
ZZZZZZ			11:51																				
ZZZZZZ			11:53																				
RINSE 280-127015/26			11:54																				
ZZZZZZ			11:56																				
ZZZZZZ			11:57																				
ZZZZZZ			11:59																				
ZZZZZZ			12:00																				
RINSE 280-127015/31			12:02																				
CCV 280-127015/32	1		12:03	X																			
CCVL 280-127015/33	1		12:05	X																			
CCB 280-127015/34	1		12:06	X																			
ZZZZZZ			12:08																				
ZZZZZZ			12:09																				
ZZZZZZ			12:11																				
ZZZZZZ			12:12																				
ZZZZZZ			12:14																				
ZZZZZZ			12:15																				
ZZZZZZ			12:17																				
ZZZZZZ			12:18																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/09/2012 11:15 End Date: 07/09/2012 15:04

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			12:20																				
ZZZZZZ			12:21																				
ZZZZZZ			12:23																				
ZZZZZZ			12:24																				
RINSE 280-127015/47			12:26																				
CCV 280-127015/48			12:27																				
CCVL 280-127015/49			12:29																				
CCB 280-127015/50			12:30																				
ZZZZZZ			12:32																				
ZZZZZZ			12:34																				
ZZZZZZ			12:35																				
ZZZZZZ			12:37																				
ZZZZZZ			12:38																				
ZZZZZZ			12:40																				
ZZZZZZ			12:41																				
ZZZZZZ			12:43																				
ZZZZZZ			12:44																				
ZZZZZZ			12:46																				
ZZZZZZ			12:47																				
ZZZZZZ			12:49																				
RINSE 280-127015/63			12:50																				
CCV 280-127015/64			12:52																				
CCVL 280-127015/65	1		12:53	X																			
CCB 280-127015/66	1		12:55	X																			
ZZZZZZ			12:56																				
ZZZZZZ			12:58																				
ZZZZZZ			12:59																				
LCS 280-127015/70	1	T	13:01	X																			
LCSD 280-127015/71	1	T	13:02	X																			
ZZZZZZ			13:04																				
ZZZZZZ			13:05																				
ZZZZZZ			13:07																				
ZZZZZZ			13:08																				
ZZZZZZ			13:10																				
ZZZZZZ			13:11																				
ZZZZZZ			13:13																				
RINSE 280-127015/79			13:14																				
CCV 280-127015/80	1		13:16	X																			
CCVL 280-127015/81	1		13:17	X																			
CCB 280-127015/82	1		13:19	X																			
ZZZZZZ			13:20																				
ZZZZZZ			13:22																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/09/2012 11:15 End Date: 07/09/2012 15:04

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			13:23																				
ZZZZZZ			13:25																				
ZZZZZZ			13:26																				
ZZZZZZ			13:28																				
ZZZZZZ			13:29																				
ZZZZZZ			13:31																				
ZZZZZZ			13:32																				
ZZZZZZ			13:34																				
ZZZZZZ			13:35																				
ZZZZZZ			13:37																				
RINSE 280-127015/95			13:38																				
CCV 280-127015/96	1		13:40	X																			
CCVL 280-127015/97	1		13:41	X																			
CCB 280-127015/98	1		13:43	X																			
ZZZZZZ			13:44																				
ZZZZZZ			13:46																				
ZZZZZZ			13:47																				
ZZZZZZ			13:49																				
ZZZZZZ			13:50																				
ZZZZZZ			13:52																				
280-30425-1	1	T	13:53	X																			
280-30425-2	1	T	13:55	X																			
280-30425-3	1	T	13:56	X																			
ZZZZZZ			13:58																				
MB 280-127015/109	1	T	13:59	X																			
ZZZZZZ			14:01																				
RINSE 280-127015/111			14:02																				
CCV 280-127015/112	1		14:04	X																			
CCVL 280-127015/113	1		14:05	X																			
CCB 280-127015/114	1		14:07	X																			
ZZZZZZ			14:08																				
RINSE 280-127015/116			14:10																				
LCS 280-127015/117	1	T	14:11	X																			
LCSD 280-127015/118	1	T	14:13	X																			
280-30425-4	1	T	14:14	X																			
280-30425-4 MS	1	T	14:16	X																			
280-30425-4 MSD	1	T	14:17	X																			
280-30425-5	1	T	14:19	X																			
280-30425-6	1	T	14:20	X																			
280-30425-7	1	T	14:22	X																			
280-30425-8	1	T	14:23	X																			
ZZZZZZ			14:25																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/09/2012 11:15 End Date: 07/09/2012 15:04

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			14:26																				
RINSE 280-127015/128			14:28																				
CCV 280-127015/129	1		14:29	X																			
CCVL 280-127015/130	1		14:31	X																			
CCB 280-127015/131	1		14:32	X																			
ZZZZZZ			14:34																				
RINSE 280-127015/133			14:35																				
ZZZZZZ			14:37																				
ZZZZZZ			14:38																				
ZZZZZZ			14:40																				
ZZZZZZ			14:41																				
ZZZZZZ			14:43																				
ZZZZZZ			14:44																				
ZZZZZZ			14:46																				
RINSE 280-127015/141			14:47																				
RINSE 280-127015/142			14:49																				
RINSE 280-127015/143			14:50																				
ZZZZZZ			14:52																				
RINSE 280-127015/145			14:53																				
CCV 280-127015/146			14:55																				
CCVL 280-127015/147			14:56																				
CCB 280-127015/148			14:58																				
ZZZZZZ			14:59																				
RINSE 280-127015/150			15:01																				
RINSE 280-127015/151			15:02																				
RINSE 280-127015/152			15:04																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: WC_Astoria Method: 351.2

Start Date: 07/19/2012 22:01 End Date: 07/20/2012 00:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				TKN																			
ZZZZZZ			22:01																				
ZZZZZZ			22:02																				
ZZZZZZ			22:03																				
ZZZZZZ			22:04																				
IC 280-128608/5			22:06	X																			
IC 280-128608/6			22:07	X																			
IC 280-128608/7			22:08	X																			
IC 280-128608/8			22:09	X																			
IC 280-128608/9			22:11	X																			
IC 280-128608/10			22:12	X																			
ZZZZZZ			22:13																				
ZZZZZZ			22:14																				
ICV 280-128608/13	2		22:16	X																			
ICB 280-128608/14	1		22:17	X																			
ZZZZZZ			22:18																				
ZZZZZZ			22:19																				
ZZZZZZ			22:21																				
ZZZZZZ			22:22																				
ZZZZZZ			22:23																				
ZZZZZZ			22:24																				
CCV 280-128608/21			22:26																				
CCB 280-128608/22			22:27																				
ZZZZZZ			22:28																				
ZZZZZZ			22:29																				
ZZZZZZ			22:31																				
ZZZZZZ			22:32																				
ZZZZZZ			22:33																				
ZZZZZZ			22:34																				
ZZZZZZ			22:36																				
ZZZZZZ			22:37																				
ZZZZZZ			22:38																				
ZZZZZZ			22:39																				
ZZZZZZ			22:41																				
ZZZZZZ			22:42																				
CCV 280-128608/35			22:43																				
CCB 280-128608/36			22:44																				
ZZZZZZ			22:46																				
ZZZZZZ			22:47																				
ZZZZZZ			22:48																				
ZZZZZZ			22:49																				
ZZZZZZ			22:51																				
ZZZZZZ			22:52																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: WC_Astoria Method: 351.2

Start Date: 07/19/2012 22:01 End Date: 07/20/2012 00:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				TKN																			
ZZZZZZ			22:53																				
ZZZZZZ			22:55																				
ZZZZZZ			22:56																				
ZZZZZZ			22:57																				
ZZZZZZ			22:58																				
ZZZZZZ			23:00																				
ZZZZZZ			23:01																				
ZZZZZZ			23:02																				
CCV 280-128608/51	1		23:03	X																			
CCB 280-128608/52	1		23:05	X																			
ZZZZZZ			23:06																				
ZZZZZZ			23:07																				
ZZZZZZ			23:08																				
ZZZZZZ			23:10																				
ZZZZZZ			23:11																				
ZZZZZZ			23:12																				
LCS 280-128145/1-A	1	T	23:13	X																			
LCSD 280-128145/2-A	1	T	23:15	X																			
ZZZZZZ			23:16																				
ZZZZZZ			23:17																				
MB 280-128145/3-A	1	T	23:18	X																			
ZZZZZZ			23:20																				
CCV 280-128608/65	1		23:21	X																			
CCB 280-128608/66	1		23:22	X																			
280-30425-1	1	T	23:23	X																			
280-30425-2	1	T	23:25	X																			
280-30425-3	1	T	23:26	X																			
280-30425-4	1	T	23:27	X																			
280-30425-4 MS	1	T	23:28	X																			
280-30425-4 MSD	1	T	23:30	X																			
ZZZZZZ			23:31																				
ZZZZZZ			23:32																				
ZZZZZZ			23:33																				
280-30425-5	1	T	23:35	X																			
280-30425-6	1	T	23:36	X																			
280-30425-7	1	T	23:37	X																			
CCV 280-128608/79	1		23:38	X																			
CCB 280-128608/80	1		23:40	X																			
280-30425-8	1	T	23:41	X																			
ZZZZZZ			23:42																				
ZZZZZZ			23:43																				
ZZZZZZ			23:45																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: WC_Astoria Method: 351.2

Start Date: 07/19/2012 22:01 End Date: 07/20/2012 00:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				TKN																			
ZZZZZZ			23:46																				
ZZZZZZ			23:47																				
ZZZZZZ			23:48																				
ZZZZZZ			23:50																				
ZZZZZZ			23:51																				
ZZZZZZ			23:52																				
ZZZZZZ			23:53																				
ZZZZZZ			23:55																				
CCV 280-128608/93	1		23:56	X																			
CCB 280-128608/94	1		23:57	X																			
ZZZZZZ			23:59																				
ZZZZZZ			00:00																				
ZZZZZZ			00:01																				
ZZZZZZ			00:02																				
ZZZZZZ			00:04																				
ZZZZZZ			00:05																				
ZZZZZZ			00:06																				
ZZZZZZ			00:07																				
ZZZZZZ			00:09																				
ZZZZZZ			00:10																				
ZZZZZZ			00:11																				
ZZZZZZ			00:12																				
CCV 280-128608/107			00:14																				
CCB 280-128608/108			00:15																				
ZZZZZZ			00:16																				
ZZZZZZ			00:17																				
ZZZZZZ			00:19																				
ZZZZZZ			00:20																				
ZZZZZZ			00:21																				
ZZZZZZ			00:22																				
ZZZZZZ			00:24																				
ZZZZZZ			00:25																				
CCV 280-128608/117			00:26																				
CCB 280-128608/118			00:27																				
ZZZZZZ			00:29																				
ZZZZZZ			00:30																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: WC_HACH SPEC Method: 410.4

Start Date: 07/03/2012 09:26 End Date: 07/03/2012 09:26

Lab Sample ID	D / F	Type	Time	Analytes																			
				COD																			
CCB 280-126482/29	1		09:26	X																			
ICV 280-126482/1	1		09:26	X																			
ICB 280-126482/2	1		09:26	X																			
LCS 280-126482/3	1	T	09:26	X																			
LCSD 280-126482/4	1	T	09:26	X																			
MB 280-126482/5	1	T	09:26	X																			
ZZZZZZ			09:26																				
ZZZZZZ			09:26																				
ZZZZZZ			09:26																				
ZZZZZZ			09:26																				
ZZZZZZ			09:26																				
ZZZZZZ			09:26																				
ZZZZZZ			09:26																				
ZZZZZZ			09:26																				
ZZZZZZ			09:26																				
ZZZZZZ			09:26																				
CCV 280-126482/16	1		09:26	X																			
CCB 280-126482/17	1		09:26	X																			
ZZZZZZ			09:26																				
ZZZZZZ			09:26																				
280-30425-1	1	T	09:26	X																			
280-30425-2	1	T	09:26	X																			
280-30425-3	1	T	09:26	X																			
280-30425-4	1	T	09:26	X																			
280-30425-4 MS	1	T	09:26	X																			
280-30425-4 MSD	1	T	09:26	X																			
280-30425-5	1	T	09:26	X																			
280-30425-6	1	T	09:26	X																			
CCV 280-126482/28	1		09:26	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: WC_HACH SPEC Method: 410.4

Start Date: 07/03/2012 10:07 End Date: 07/03/2012 10:07

Lab Sample ID	D / F	Type	Time	Analytes																				
				COD																				
ICV 280-126498/1	1		10:07	X																				
ICB 280-126498/2	1		10:07	X																				
LCS 280-126498/3	1	T	10:07	X																				
LCSD 280-126498/4	1	T	10:07	X																				
MB 280-126498/5	1	T	10:07	X																				
280-30425-7	1	T	10:07	X																				
280-30425-8	1	T	10:07	X																				
ZZZZZZ			10:07																					
ZZZZZZ			10:07																					
ZZZZZZ			10:07																					
ZZZZZZ			10:07																					
ZZZZZZ			10:07																					
ZZZZZZ			10:07																					
ZZZZZZ			10:07																					
ZZZZZZ			10:07																					
CCV 280-126498/16	1		10:07	X																				
CCB 280-126498/17	1		10:07	X																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2120B

Start Date: 06/27/2012 09:00 End Date: 06/27/2012 09:00

Lab Sample ID	D/F	Type	Time	Analytes																			
				Color																			
MB 280-126228/1	1	T	09:00	X																			
280-30425-1	1	T	09:00	X																			
280-30425-1 DU	1	T	09:00	X																			
280-30425-2	1	T	09:00	X																			
280-30425-3	1	T	09:00	X																			
280-30425-4	1	T	09:00	X																			
280-30425-6	1	T	09:00	X																			
280-30425-5	1	T	09:00	X																			
280-30425-7	1	T	09:00	X																			
280-30425-8	1	T	09:00	X																			
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
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ZZZZZZ			09:00																				
ZZZZZZ			09:00																				
ZZZZZZ			09:00																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2340C

Start Date: 07/19/2012 12:25 End Date: 07/19/2012 12:25

Lab Sample ID	D / F	Type	Time	Analytes																			
				HardCC																			
MB 280-128483/1	1	T	12:25	X																			
LCS 280-128483/2	1	T	12:25	X																			
LCSD 280-128483/3	1	T	12:25	X																			
280-30425-4	1	T	12:25	X																			
280-30425-4 MS	1	T	12:25	X																			
280-30425-4 MSD	1	T	12:25	X																			
280-30425-1	1	T	12:25	X																			
280-30425-2	1	T	12:25	X																			
280-30425-3	1	T	12:25	X																			
280-30425-5	1	T	12:25	X																			
280-30425-6	1	T	12:25	X																			
280-30425-7	1	T	12:25	X																			
280-30425-8	1	T	12:25	X																			
ZZZZZZ			12:25																				
ZZZZZZ			12:25																				
ZZZZZZ			12:25																				
ZZZZZZ			12:25																				
ZZZZZZ			12:25																				
ZZZZZZ			12:25																				
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ZZZZZZ			12:25																				
ZZZZZZ			12:25																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2340C

Start Date: 07/19/2012 12:25 End Date: 07/19/2012 12:25

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/26/2012 08:48 End Date: 06/26/2012 20:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				N-No2	NNO32	NO3	Orthop																
ICV 280-125720/1	1		08:48	X		X	X																
ICB 280-125720/2	1		09:14	X		X	X																
MRL 280-125720/3	1	T	09:30	X		X																	
LCS 280-125720/4	1	T	09:47	X		X	X																
LCSD 280-125720/5	1	T	10:04	X		X	X																
MRL 280-125720/6	1	T	10:42				X																
MB 280-125720/7	1	T	10:59	X	X	X	X																
ZZZZZZ			11:21																				
ZZZZZZ			11:38																				
280-30425-1	1	T	12:15	X	X	X	X																
280-30425-2	1	T	12:32	X	X	X	X																
280-30425-3	1	T	12:48	X	X	X	X																
280-30425-4	1	T	13:05	X	X	X	X																
280-30425-4 DU	1	T	13:22	X		X	X																
280-30425-4 MS	1	T	13:39	X		X	X																
280-30425-4 MSD	1	T	13:56	X		X	X																
280-30425-5	1	T	14:12	X	X	X	X																
CCV 280-125720/18	1		14:29	X		X	X																
CCB 280-125720/19	1		14:46	X		X	X																
280-30425-6	1	T	15:03	X	X	X	X																
280-30425-7	1	T	15:20	X	X	X	X																
280-30425-8	1	T	15:37	X	X	X	X																
ZZZZZZ			15:53																				
ZZZZZZ			16:10																				
ZZZZZZ			16:27																				
ZZZZZZ			16:44																				
ZZZZZZ			17:01																				
ZZZZZZ			17:17																				
ZZZZZZ			17:34																				
CCV 280-125720/30	1		17:51	X		X	X																
CCB 280-125720/31	1		18:08	X		X	X																
ZZZZZZ			18:25																				
ZZZZZZ			18:41																				
ZZZZZZ			18:58																				
ZZZZZZ			19:15																				
ZZZZZZ			19:32																				
CCV 280-125720/37			19:49																				
CCB 280-125720/38			20:05																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/26/2012 08:48 End Date: 06/26/2012 20:05

Lab Sample ID	D / F	Type	Time	Analytes																			
				Br	Cl-	F	SO4																
ICV 280-125721/1	1		08:48	X	X	X	X																
ICB 280-125721/2	1		09:14	X	X	X	X																
MRL 280-125721/3	1	T	09:30	X	X	X	X																
LCS 280-125721/4	1	T	09:47	X	X	X	X																
LCSD 280-125721/5	1	T	10:04	X	X	X	X																
ZZZZZZ			10:42																				
MB 280-125721/7	1	T	10:59	X	X	X	X																
ZZZZZZ			11:21																				
ZZZZZZ			11:38																				
280-30425-1	1	T	12:15	X	X	X	X																
280-30425-2	1	T	12:32	X	X	X	X																
280-30425-3	1	T	12:48	X	X	X	X																
280-30425-4	1	T	13:05	X	X	X	X																
280-30425-4 DU	1	T	13:22	X	X	X	X																
280-30425-4 MS	1	T	13:39	X	X	X	X																
280-30425-4 MSD	1	T	13:56	X	X	X	X																
280-30425-5	1	T	14:12	X	X	X	X																
CCV 280-125721/18	1		14:29	X	X	X	X																
CCB 280-125721/19	1		14:46	X	X	X	X																
280-30425-6	1	T	15:03	X	X	X	X																
280-30425-7	1	T	15:20	X	X	X	X																
280-30425-8	1	T	15:37	X	X	X	X																
ZZZZZZ			15:53																				
ZZZZZZ			16:10																				
ZZZZZZ			16:27																				
ZZZZZZ			16:44																				
ZZZZZZ			17:01																				
ZZZZZZ			17:17																				
ZZZZZZ			17:34																				
CCV 280-125721/30	1		17:51	X	X	X	X																
CCB 280-125721/31	1		18:08	X	X	X	X																
ZZZZZZ			18:25																				
ZZZZZZ			18:41																				
ZZZZZZ			18:58																				
ZZZZZZ			19:15																				
ZZZZZZ			19:32																				
CCV 280-125721/37			19:49																				
CCB 280-125721/38			20:05																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060A

Start Date: 07/16/2012 17:54 End Date: 07/17/2012 12:11

Lab Sample ID	D / F	Type	Time	Analytes																				
				TOCQ																				
ICV 280-128057/1	1		17:54	X																				
ICB 280-128057/2	1		18:14	X																				
ZZZZZZ			18:31																					
ZZZZZZ			18:49																					
ZZZZZZ			19:09																					
ZZZZZZ			19:26																					
ZZZZZZ			19:43																					
ZZZZZZ			20:02																					
ZZZZZZ			20:20																					
ZZZZZZ			20:37																					
ZZZZZZ			20:57																					
ZZZZZZ			21:14																					
ZZZZZZ			21:33																					
ZZZZZZ			21:52																					
ZZZZZZ			22:07																					
CCV 280-128057/16			22:24																					
CCB 280-128057/17			22:43																					
ZZZZZZ			23:00																					
ZZZZZZ			23:17																					
ZZZZZZ			23:33																					
ZZZZZZ			23:52																					
ZZZZZZ			00:10																					
ZZZZZZ			00:26																					
ZZZZZZ			00:44																					
ZZZZZZ			01:05																					
ZZZZZZ			01:22																					
ZZZZZZ			01:37																					
CCV 280-128057/28	1		01:54	X																				
CCB 280-128057/29	1		02:13	X																				
ZZZZZZ			02:31																					
ZZZZZZ			02:47																					
LCS 280-128057/32	1	T	03:04	X																				
LCSD 280-128057/33	1	T	03:25	X																				
MB 280-128057/34	1	T	03:45	X																				
ZZZZZZ			04:03																					
ZZZZZZ			04:20																					
ZZZZZZ			04:38																					
ZZZZZZ			04:59																					
ZZZZZZ			05:15																					
CCV 280-128057/40	1		05:33	X																				
CCB 280-128057/41	1		05:53	X																				
ZZZZZZ			06:09																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060A

Start Date: 07/16/2012 17:54 End Date: 07/17/2012 12:11

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOCQ																			
ZZZZZZ			06:25																				
ZZZZZZ			06:41																				
ZZZZZZ			06:59																				
ZZZZZZ			07:14																				
ZZZZZZ			07:32																				
ZZZZZZ			07:48																				
ZZZZZZ			08:07																				
280-30425-1	1	T	08:23	X																			
280-30425-2	1	T	08:39	X																			
CCV 280-128057/52	1		08:55	X																			
CCB 280-128057/53	1		09:14	X																			
280-30425-3	1	T	09:32	X																			
280-30425-4	1	T	09:50	X																			
280-30425-4 MS	1	T	10:06	X																			
280-30425-4 MSD	1	T	10:24	X																			
280-30425-5	1	T	10:43	X																			
280-30425-6	1	T	11:02	X																			
280-30425-7	1	T	11:19	X																			
280-30425-8	1	T	11:36	X																			
CCV 280-128057/62	1		11:51	X																			
CCB 280-128057/63	1		12:11	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: WC-AT3 Method: SM 2320B

Start Date: 07/02/2012 10:16 End Date: 07/02/2012 16:06

Lab Sample ID	D / F	Type	Time	Analytes																				
				Alk																				
RINSE 280-126467/1			10:16																					
ZZZZZZ			10:24																					
ZZZZZZ			10:29																					
ZZZZZZ			10:34																					
ZZZZZZ			10:39																					
MB 280-126467/6	1	T	10:42	X																				
ZZZZZZ			10:47																					
ZZZZZZ			10:52																					
ZZZZZZ			10:56																					
ZZZZZZ			11:00																					
ZZZZZZ			11:06																					
ZZZZZZ			11:12																					
ZZZZZZ			11:17																					
ZZZZZZ			11:21																					
ZZZZZZ			11:26																					
ZZZZZZ			11:31																					
CCV 280-126467/17	1		11:36	X																				
CCB 280-126467/18	1		11:40	X																				
ZZZZZZ			11:45																					
ZZZZZZ			11:49																					
ZZZZZZ			11:54																					
ZZZZZZ			11:59																					
ZZZZZZ			12:03																					
ZZZZZZ			12:09																					
ZZZZZZ			12:14																					
ZZZZZZ			12:19																					
ZZZZZZ			12:24																					
ZZZZZZ			12:27																					
CCV2 280-126467/29	1		12:33	X																				
CCB2 280-126467/30	1		12:37	X																				
LCS 280-126467/31	1	T	12:42	X																				
LCSD 280-126467/32	1	T	12:47	X																				
MB 280-126467/33	1	T	12:50	X																				
280-30425-1	1	T	12:55	X																				
280-30425-1 DU	1	T	13:00	X																				
280-30425-2	1	T	13:05	X																				
280-30425-3	1	T	13:10	X																				
280-30425-4	1	T	13:14	X																				
280-30425-5	1	T	13:19	X																				
280-30425-6	1	T	13:25	X																				
CCV3 280-126467/41	1		13:30	X																				
CCB3 280-126467/42	1		13:34	X																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: WC-AT3 Method: SM 2320B

Start Date: 07/02/2012 10:16 End Date: 07/02/2012 16:06

Lab Sample ID	D / F	Type	Time	Analytes																				
				Alk																				
280-30425-7	1	T	13:38	X																				
280-30425-8	1	T	13:42	X																				
ZZZZZZ			13:46																					
ZZZZZZ			13:51																					
ZZZZZZ			13:56																					
ZZZZZZ			14:01																					
ZZZZZZ			14:05																					
ZZZZZZ			14:14																					
ZZZZZZ			14:22																					
ZZZZZZ			14:31																					
CCV4 280-126467/53	1		14:36	X																				
CCB4 280-126467/54	1		14:40	X																				
ZZZZZZ			14:49																					
ZZZZZZ			14:57																					
ZZZZZZ			15:07																					
ZZZZZZ			15:12																					
CCV5 280-126467/59			15:17																					
CCB5 280-126467/60			15:21																					
ZZZZZZ			15:27																					
ZZZZZZ			15:32																					
ZZZZZZ			15:36																					
ZZZZZZ			15:41																					
ZZZZZZ			15:46																					
ZZZZZZ			15:51																					
ZZZZZZ			15:59																					
CCV6 280-126467/68			16:04																					
CCB6 280-126467/69			16:06																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2540C

Start Date: 07/02/2012 09:55 End Date: 07/02/2012 09:55

Lab Sample ID	D / F	Type	Time	Analytes																			
				TDS																			
MB 280-126303/1	1	T	09:55	X																			
LCS 280-126303/2	1	T	09:55	X																			
LCSD 280-126303/3	1	T	09:55	X																			
ZZZZZZ			09:55																				
ZZZZZZ			09:55																				
ZZZZZZ			09:55																				
ZZZZZZ			09:55																				
ZZZZZZ			09:55																				
ZZZZZZ			09:55																				
ZZZZZZ			09:55																				
280-30425-1	1	T	09:55	X																			
280-30425-2	1	T	09:55	X																			
280-30425-3	1	T	09:55	X																			
280-30425-4	1	T	09:55	X																			
280-30425-5	1	T	09:55	X																			
280-30425-5 DU	1	T	09:55	X																			
280-30425-6	1	T	09:55	X																			
280-30425-7	1	T	09:55	X																			
280-30425-8	1	T	09:55	X																			
ZZZZZZ			09:55																				
ZZZZZZ			09:55																				
ZZZZZZ			09:55																				
ZZZZZZ			09:55																				
ZZZZZZ			09:55																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: NOEQUIP Method: SM5210B

Start Date: 06/27/2012 06:59 End Date: 06/27/2012 13:15

Lab Sample ID	D / F	Type	Time	Analytes																			
				BOD																			
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
LCS 280-125739/12	1	T	06:59	X																			
LCSD 280-125739/13	1	T	06:59	X																			
MB 280-125739/14	1	T	06:59	X																			
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			07:15																				
ZZZZZZ			07:15																				
280-30425-1	1	T	07:20	X																			
280-30425-2	1	T	07:22	X																			
280-30425-3	1	T	07:23	X																			
280-30425-4	1	T	07:24	X																			
280-30425-5	1	T	07:25	X																			
280-30425-6	1	T	07:28	X																			
280-30425-7	1	T	07:30	X																			
280-30425-8	1	T	07:31	X																			
ZZZZZZ			07:38																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Instrument ID: NOEQUIP Method: SM5210B

Start Date: 06/27/2012 06:59 End Date: 06/27/2012 13:15

Lab Sample ID	D / F	Type	Time	Analytes																			
				BOD																			
ZZZZZZ			07:38																				
ZZZZZZ			12:27																				
ZZZZZZ			12:27																				
ZZZZZZ			12:28																				
ZZZZZZ			12:29																				
ZZZZZZ			12:30																				
ZZZZZZ			12:35																				
ZZZZZZ			12:40																				
ZZZZZZ			12:43																				
ZZZZZZ			12:47																				
ZZZZZZ			12:50																				
ZZZZZZ			12:53																				
ZZZZZZ			12:57																				
ZZZZZZ			13:00																				
ZZZZZZ			13:05																				
ZZZZZZ			13:08																				
ZZZZZZ			13:10																				
ZZZZZZ			13:15																				

Prep Types

T = Total/NA

TESTAMERICA Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: NH3 **SOP #** DV-WC-0040

Instrument: Alpk 2 **Analyst:** Brett Wolff **Analysis Date:** 7/9/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30777	AQ	N/A	127015	350.1	N/A
280-30780 547 BW 7/9/12					
280-30748					
280-30751					
280-30753					
280-30779					
280-30425					
280-30455					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	—			—
2. Correlation coefficient ≥ 0.995 ?	—			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	—			—
4. ICB analyzed immediately after the ICV & results < the RL	—			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	—			—
6. CCB analyzed after every CCV & results < RL?	—			—
7. Absolute value of the intercept is < ± ½ the RL?	—			—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	—			—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	—			—
3. All reported results bracketed by in control CCV results?	—			—
4. Sample analyses done within holding time?	—			—
5. Initial pH check documented for all samples? (If Applicable)	—			—
6. Preparation benchsheet completed and included in package?	—			—
7. Client requirements reviewed and met?	—			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	—			—
9. Do the prep and analysis dates in TALS reflect the actual dates?	—			—
11. Raw data copies prepared, scanned, and uploaded?	—			—
12. Manual integrations done properly and initialed and dated?			—	—
13. STD/True Value information is updated and included?	—			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	—			—
2. Method blank < ½ RL or NCM provided?	—			—
3. LCS/LCSD run for batch and within QC limits?	—			—
4. MS/MSD run at required frequency and within limits or NCM written?		—		—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?	—			—

Analyst: Brett Wolff **Date:** 7/9/12

2nd Level Reviewer : [signature] **Date:** 7/10/12

Peak Table:Ammonia

File name: C:\FLOW_4\0709NXNX.RST
Date: 09-Jul-12
Operator: BQW

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
1	107	SYNC	1	SYNC	1	1	1938960	9948.454102	
2	0	Carryover	1	CO	1	1	3162	52.798283	
3	0	Carryover	2	CO	1	1	456	38.633358	
B	0	read baseline	1	RB	1	1	0	36.245617	BL
5	101	Cal 0.00 ppb	1	C	1	1	233	37.466003	
6	102	Cal 50.0 ppb	1	C	1	1	6419	69.839844	
7	103	Cal 100 ppb	1	C	1	1	11612	97.014893	
8	104	Cal 500 ppb	1	C	1	1	79657	452.789032	
9	105	Cal 1000 ppb	1	C	1	1	181241	982.840210	
10	106	Cal 5000 ppb	1	C	1	1	961937	5012.988770	
11	107	Cal 10000 ppb	1	C	1	1	1948704	9997.070312	
12	0	blk	1	BLNK	1	1	-713	32.514515	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
14	108	5000 PPB NO2	1	U	1	1	304	37.836933	
15	109	ICV 2000 PPB	1	CCV	1	1	366409	1945.670044	
16	110	ICV 5000 PPB	1	CCV	1	1	946906	4936.117676	
17	0	ICB	1	U	1	1	210	37.345745	
18	111	MRL	1	U	1	1	12859	103.542015	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
20	113	MB	1	U	1	1	355	38.104996	
21	106	LCS	1	U	1	1	978006	5095.135742	
22	106	LCSD	1	U	1	1	962891	5017.865723	
23	114	280-30380-c-1	1	U	1	1	16348	121.795921	
24	115	280-30380-c-2	1	U	1	1	11760	97.793594	
25	116	280-30380-c-6	1	U	1	1	20948	145.865143	
26	117	RINSE	1	U	1	1	323	37.935547	
27	118	280-30777-c-1	1	U	1	1	5355	64.271873	
28	119	280-30777-c-1 MS 1	U		1	1	376855	1999.854126	
29	120	280-30777-c-1 MSD 1	U		1	1	367134	1949.428345	
B	0	read baseline	1	RB	1	1	0	36.245617	BL
31	0	rinse	1	U	1	1	-150	35.461170	
32	106	5000 PPB CCV	1	CCV	1	1	966868	5038.200195	
33	105	CCV 1000PPB	1	CCV	1	1	183380	993.984070	
34	0	CCB	1	U	1	1	585	39.306496	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
36	121	280-30777-c-2	1	U	1	1	7597	76.007477	
37	122	280-30777-c-2 MS 1	U		1	1	332994	1772.236328	
38	123	280-30777-c-2 MSD 1	U		1	1	334304	1779.041016	
39	124	280-30777-c-3	1	U	1	1	5149	63.195107	
40	125	280-30777-c-4	1	U	1	1	6137	68.367035	
41	126	280-30777-c-5	1	U	1	1	5850	66.862045	
42	127	280-30777-d-6	1	U	1	1	4667	60.670704	
43	128	280-30777-c-7	1	U	1	1	5419	64.610245	
44	129	280-30777-d-8	1	U	1	1	5231	63.626305	
45	130	280-30777-c-9	1	U	1	1	5249	63.719631	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
47	0	RINSE	1	U	1	1	131	36.931931	
48	106	5000 PPB CCV	1	CCV	1	1	961067	5008.537598	
49	105	CCV 1000PPB	1	CCV	1	1	184707	1000.900330	
50	0	CCB	1	U	1	1	848	40.686668	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
52	131	280-30777-d-10	1	U	1	1	7728	76.691742	
53	132	280-30777-c-11	1	U	1	1	6132	68.337151	
54	133	280-30547-b-8	1	U	1	1	25496	169.659378	
55	134	280-30547-b-9	1	U	1	1	25970	172.136520	
56	135	280-30547-b-10	1	U	1	1	35913	224.144547	
57	136	280-30547-b-11	1	U	1	1	20318	142.570633	
58	137	280-30547-b-12	1	U	1	1	65807	380.424500	
59	138	280-30748-b-10	1	U	1	1	145089	794.351562	
60	139	280-30748-b-14	1	U	1	1	121455	671.043579	
61	140	280-30751-d-1	1	U	1	1	5220	63.565220	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
63	0	RINSE	1	U	1	1	-297	34.689819	
64	106	5000 PPB CCV	1	CCV	1	1	966192	5034.742676	
65	105	CCV 1000PPB	1	CCV	1	1	184495	999.797119	
66	0	CCB	1	U	1	1	1170	42.369041	
B	0	RB	1	RB	1	1	0	36.245617	BL
68	141	280-30751-d-2	1	U	1	1	10456	90.966095	
69	142	MBX	1	U	1	1	3295	53.491596	
70	106	LCS	1	U	1	1	964264	5024.882324	
71	106	LCSD	1	U	1	1	965555	5031.487793	
72	143	280-30751-d-3	1	U	1	1	12597	102.171341	
73	144	280-30751-d-3 MS 1	U		1	1	387246	2053.744385	
74	145	280-30751-d-3 MSD 1	U		1	1	390990	2073.155762	
75	146	280-30751-d-4	1	U	1	1	2435	48.992802	

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
76	147	280-30751-d-4 MS 1		U	1	1	413353	2189.080811	
77	148	280-30751-d-4 MSD 1		U	1	1	400133	2120.561279	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
79	0	RINSE	1	U	1	1	-530	33.469944	
80	106	5000 PPB CCV	1	CCV	1	1	954694	4975.948242	
81	105	CCV 1000PPB	1	CCV	1	1	185025	1002.558105	
82	0	CCB	1	U	1	1	1071	41.852047	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
84	149	280-30751-d-5	1	U	1	1	7006	72.915207	
85	150	280-30751-d-6	1	U	1	1	3577	54.969669	
86	151	280-30751-d-7	1	U	1	1	5563	65.363251	
87	152	280-30751-d-8	1	U	1	1	3668	55.444225	
88	153	280-30751-d-9	1	U	1	1	5719	66.180229	
89	154	280-30751-d-10	1	U	1	1	5019	62.513275	
90	155	280-30751-d-11	1	U	1	1	4849	61.627071	
91	156	280-30751-d-12	1	U	1	1	6034	67.824982	
92	157	280-30753-c-1	1	U	50	1	1662018	428084.187500	
93	158	280-30779-d-1	1	U	1	1	2768	50.731659	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
95	0	RINSE	1	U	1	1	-76	35.846989	
96	106	5000 PPB CCV	1	CCV	1	1	963533	5021.145508	
97	105	CCV 1000PPB	1	CCV	1	1	189197	1024.295532	
98	0	CCB	1	U	1	1	842	40.654064	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
100	159	280-30779-d-2	1	U	1	1	8541	80.949341	
101	160	280-30779-d-3	1	U	1	1	5490	64.977646	
102	201	280-30779-d-4	1	U	1	1	6554	70.549423	
103	202	280-30779-d-5	1	U	1	1	5681	65.979668	
104	203	280-30779-d-6	1	U	1	1	5948	67.374779	
105	204	280-30425-d-1	1	U	1	1	33391	210.950867	
106	205	280-30425-d-2	1	U	1	1	138446	759.700500	
107	206	280-30425-d-3	1	U	1	1	76337	435.445099	
108	207	MB	1	U	1	1	2339	48.485901	
109	208	MB	1	U	1	1	1901	46.198040	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
111	0	RINSE	1	U	1	1	-99	35.728321	
112	106	5000 PPB CCV	1	CCV	1	1	980242	5106.560547	
113	105	CCV 1000PPB	1	CCV	1	1	190358	1030.344849	
114	0	CCB	1	U	1	1	741	40.123718	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
116	0	RINSE	1	U	1	1	-369	34.316574	
117	106	LCS	1	U	1	1	968460	5046.334473	
118	106	LCSD	1	U	1	1	966973	5038.736816	
119	209	280-30425-l-4	1	U	1	1	14581	112.551842	
120	210	280-30425-l-4 MS 1		U	1	1	327130	1741.788940	
121	211	280-30425-l-4 MSD 1		U	1	1	324484	1728.045288	
122	212	280-30425-d-5	1	U	1	1	14381	111.507385	
123	213	280-30425-d-6	1	U	1	1	8844	82.531372	
124	214	280-30425-d-7	1	U	1	1	35014	219.441757	
125	215	280-30425-d-8	1	U	1	1	8045	78.353203	
126	216	280-30455-d-1	1	U	1	1	17148	125.985046	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
128	0	RINSE	1	U	1	1	-147	35.477154	
129	106	5000 PPB CCV	1	CCV	1	1	988487	5148.693359	
130	105	CCV 1000PPB	1	CCV	1	1	193223	1045.272339	
131	0	CCB	1	U	1	1	446	38.582542	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
133	0	RINSE	1	U	1	1	-378	34.264854	
134	217	280-30455-d-1 MS 1		U	1	1	322010	1715.197998	
135	218	280-30455-d-1 MSD 1		U	1	1	321894	1714.595215	
136	219	280-30455-d-2	1	U	1	1	18323	132.132385	
137	220	280-30455-d-4	1	U	1	1	5187	63.396618	
138	221	280-30455-d-5	1	U	1	1	111275	617.905579	
139	222	280-30455-d-6	1	U	1	1	7977	77.996841	
140	223	280-30455-d-7	1	U	1	1	12867	103.586304	
141	224	RINSE	1	U	1	1	2775	50.770813	
142	225	RINSE	1	U	1	1	3600	55.090168	
143	226	RINSE	1	U	1	1	4284	58.667187	
B	0	READ	1	RB	1	1	0	36.245617	BL
145	0	RINSE	1	U	1	1	-186	35.272022	
146	106	5000 PPB CCV	1	CCV	1	1	959411	5000.068848	
147	105	CCV 1000PPB	1	CCV	1	1	183942	996.912109	
148	0	CCB	1	U	1	1	1118	42.098064	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL

Ammonia:Calibration 1: Peak 5-152

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Date: 09-Jul-12
Operator: BQW

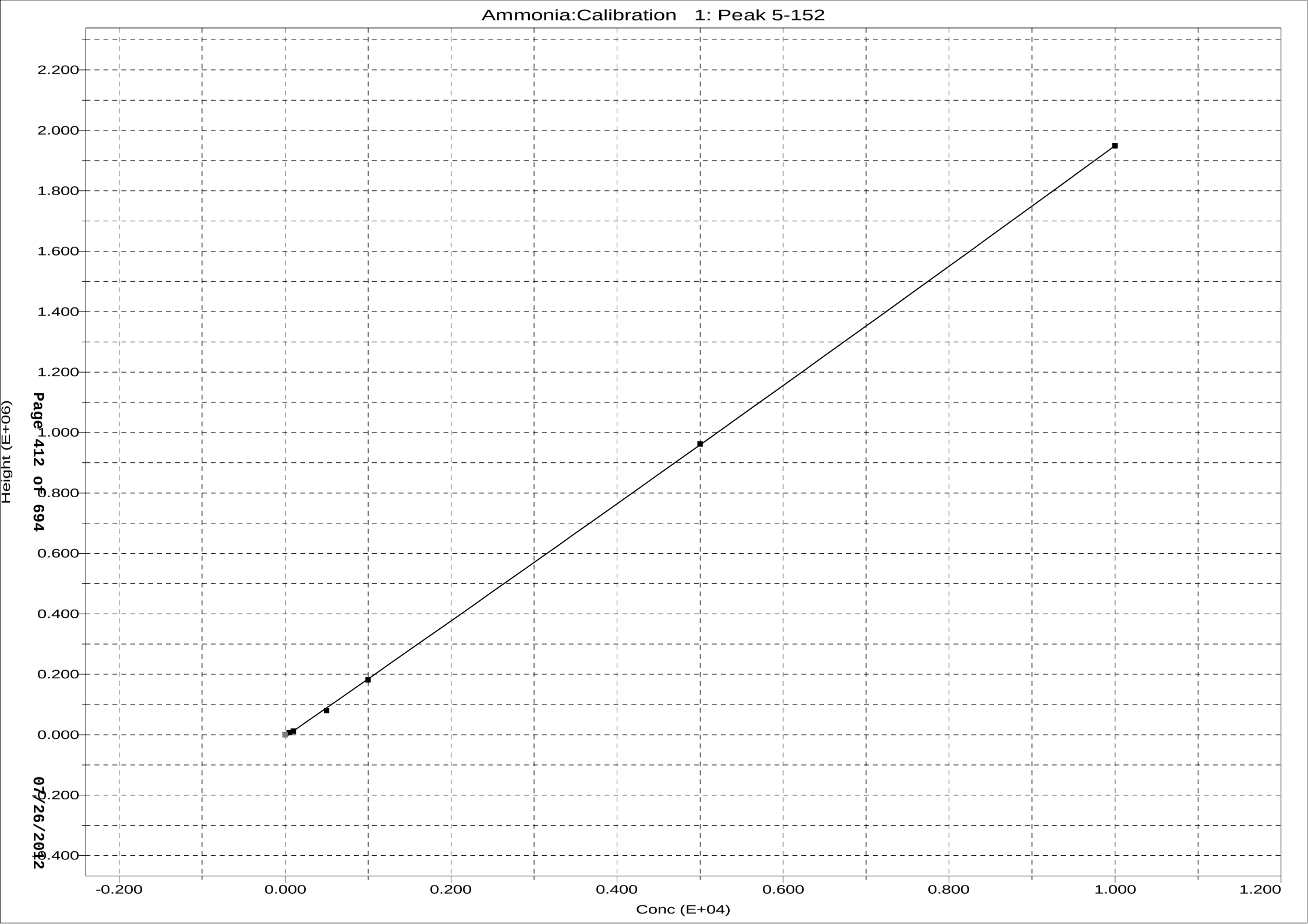
*	Name	Conc	Height
*	Cal 0.00 ppb	0.000000	233.154114
*	Cal 50.0 ppb	50.000000	6418.643066
*	Cal 100 ppb	100.000000	11611.539062
*	Cal 500 ppb	500.000000	79656.609375
*	Cal 1000 ppb	1000.000000	181241.359375
*	Cal 5000 ppb	5000.000000	961937.375000
*	Cal 10000 ppb	10000.000000	1948703.500000

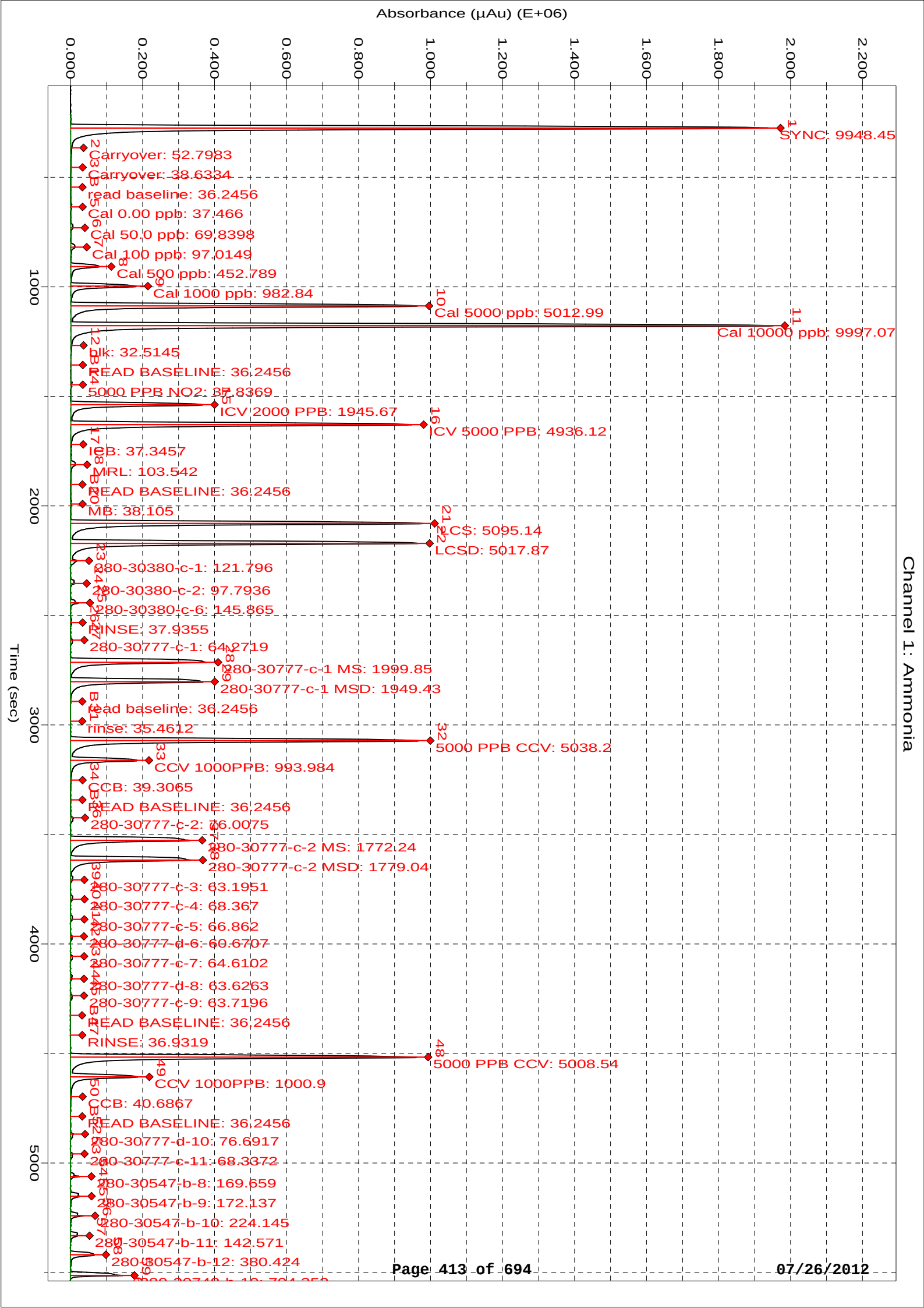
Calib Coef:
x=cyy+by+a
a: (intercept) 3.6246e+01
b: 5.2343e-03
c: -6.2987e-11

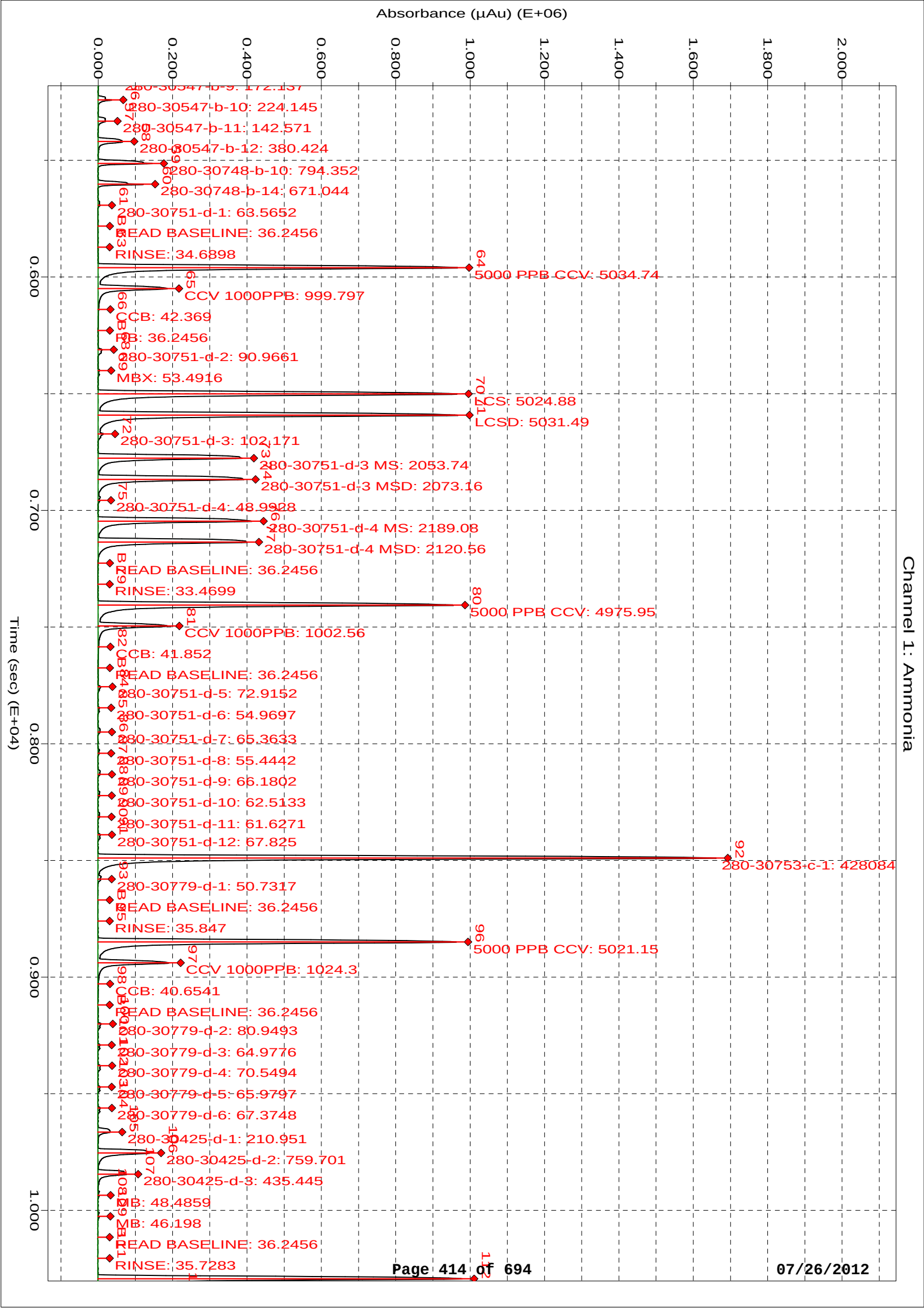
Corr Coef: 0.999974

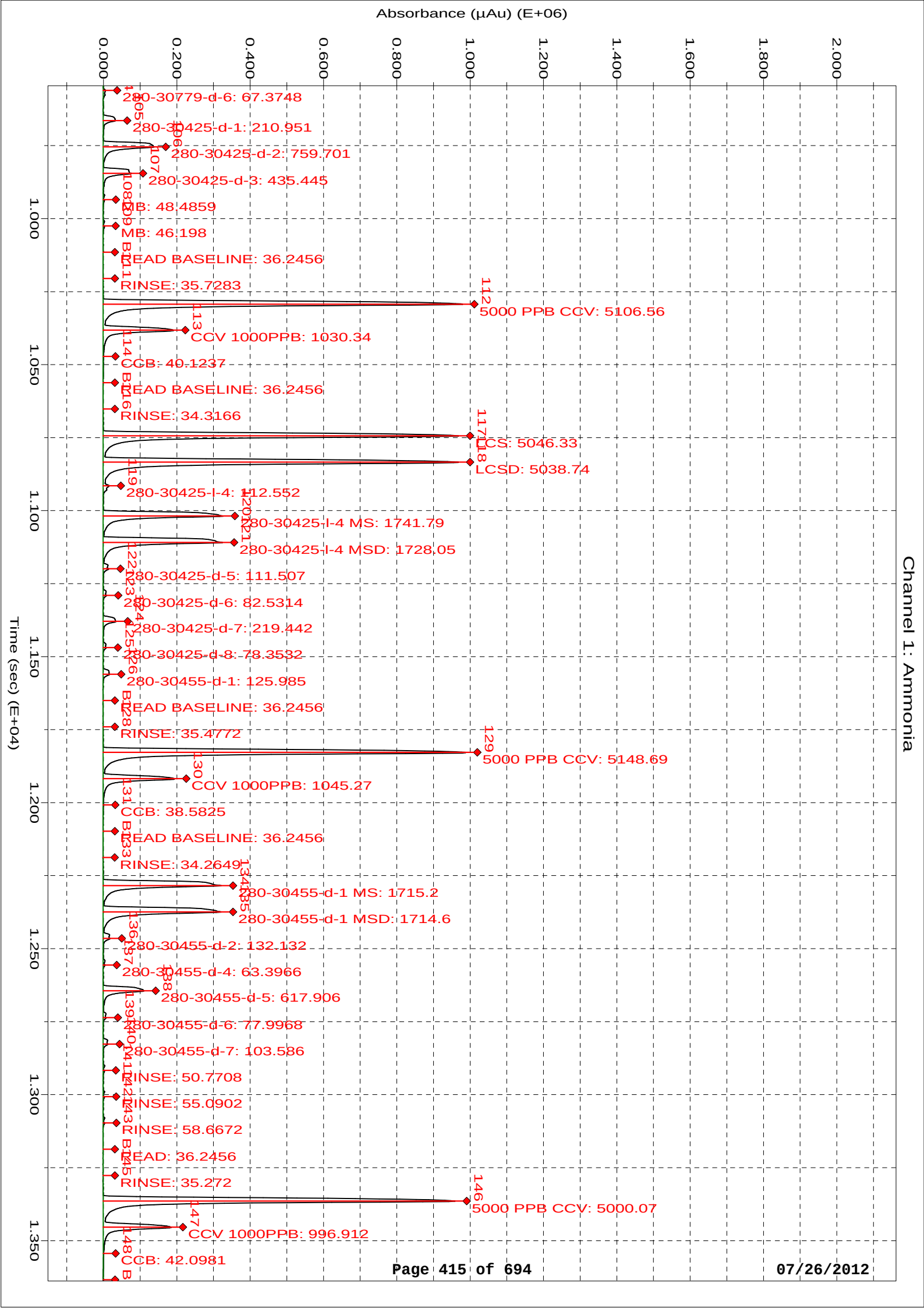
Carryover: 0.163%

No Drift Peaks


Ammonia:Calibration 1: Peak 5-152
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
Height (E+06)
-0.200
0.000
0.200
0.400
0.600
0.800
1.000
1.200
Conc (E+04)


Absorbance (µAu) (E+06)
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
2.200
Time (sec)
1000
2000
3000
4000
5000
Channel 1: Ammonia
1 SYNC: 9948.45
2 Carryover: 52.7983
3 Carryover: 38.6334
4 read baseline: 36.2456
5 Cal 0.00 ppb: 37.466
6 Cal 50.0 ppb: 69.8398
7 Cal 100 ppb: 97.0149
8 Cal 500 ppb: 452.789
9 Cal 1000 ppb: 982.84
10 Cal 5000 ppb: 5012.99
11 Cal 10000 ppb: 9997.07
12 blk: 32.5145
13 READ BASELINE: 36.2456
14 5000 PPB NO2: 37.8369
15 ICV 2000 PPB: 1945.67
16 ICV 5000 PPB: 4936.12
17 ICB: 37.3457
18 MRL: 103.542
19 READ BASELINE: 36.2456
20 MB: 38.105
21 LCS: 5095.14
22 LCSD: 5017.87
23 280-30380-c-1: 121.796
24 280-30380-c-2: 97.7936
25 280-30380-c-6: 145.865
26 RINSE: 37.9355
27 280-30777-c-1: 64.2719
28 280-30777-c-1 MS: 1999.85
29 280-30777-c-1 MSD: 1949.43
30 read baseline: 36.2456
31 rinse: 35.4612
32 5000 PPB CCV: 5038.2
33 CCV 1000PPB: 993.984
34 CCB: 39.3065
35 READ BASELINE: 36.2456
36 280-30777-c-2: 66.0075
37 280-30777-c-2 MS: 1772.24
38 280-30777-c-2 MSD: 1779.04
39 280-30777-c-3: 63.1951
40 280-30777-c-4: 68.367
41 280-30777-c-5: 66.862
42 280-30777-d-6: 60.6707
43 280-30777-c-7: 64.6102
44 280-30777-d-8: 63.6263
45 280-30777-c-9: 63.7196
46 READ BASELINE: 36.2456
47 RINSE: 36.9319
48 5000 PPB CCV: 5008.54
49 CCV 1000PPB: 1000.9
50 CCB: 40.6867
51 READ BASELINE: 36.2456
52 280-30777-d-10: 76.6917
53 280-30777-c-11: 68.3372
54 280-30547-b-8: 169.659
55 280-30547-b-9: 172.137
56 280-30547-b-10: 224.145
57 280-30547-b-11: 142.571
58 280-30547-b-12: 380.424


Absorbance (µAu) (E+06)
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
Time (sec) (E+04)
0.600
0.700
0.800
0.900
1.000
Channel 1: Ammonia
280-30547-b-10: 224.145
280-30547-b-11: 142.571
280-30547-b-12: 380.424
280-30748-b-10: 794.352
280-30748-b-14: 671.044
280-30751-d-1: 63.5652
READ BASELINE: 36.2456
RINSE: 34.6898
5000 PPB CCV: 5034.74
CCV 1000PPB: 999.797
CCB: 42.369
PB: 36.2456
280-30751-d-2: 90.9661
MBX: 53.4916
LCS: 5024.88
LCSD: 5031.49
280-30751-d-3: 102.171
280-30751-d-3 MS: 2053.74
280-30751-d-3 MSD: 2073.16
280-30751-d-4: 48.9928
280-30751-d-4 MS: 2189.08
280-30751-d-4 MSD: 2120.56
READ BASELINE: 36.2456
RINSE: 33.4699
5000 PPB CCV: 4975.95
CCV 1000PPB: 1002.56
CCB: 41.852
READ BASELINE: 36.2456
280-30751-d-5: 72.9152
280-30751-d-6: 54.9697
280-30751-d-7: 65.3633
280-30751-d-8: 55.4442
280-30751-d-9: 66.1802
280-30751-d-10: 62.5133
280-30751-d-11: 61.6271
280-30751-d-12: 67.825
280-30753-c-1: 428084
280-30779-d-1: 50.7317
READ BASELINE: 36.2456
RINSE: 35.847
5000 PPB CCV: 5021.15
CCV 1000PPB: 1024.3
CCB: 40.6541
READ BASELINE: 36.2456
280-30779-d-2: 80.9493
280-30779-d-3: 64.9776
280-30779-d-4: 70.5494
280-30779-d-5: 65.9797
280-30779-d-6: 67.3748
280-30425-d-1: 210.951
280-30425-d-2: 759.701
280-30425-d-3: 435.445
CB: 48.4859
MB: 46.198
READ BASELINE: 36.2456
RINSE: 35.7283


Absorbance (µAu) (E+06)
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
Time (sec) (E+04)
1.000
1.050
1.100
1.150
1.200
1.250
1.300
1.350
Channel 1: Ammonia
280-30779-d-6: 67.3748
280-30425-d-1: 210.951
280-30425-d-2: 759.701
280-30425-d-3: 435.445
MB: 48.4859
MB: 46.198
BREAD BASELINE: 36.2456
RINSE: 35.7283
5000 PPB CCV: 5106.56
CCV 1000PPB: 1030.34
CCB: 40.1237
BREAD BASELINE: 36.2456
RINSE: 34.3166
LCS: 5046.33
LCSD: 5038.74
280-30425-I-4: 112.552
280-30425-I-4 MS: 1741.79
280-30425-I-4 MSD: 1728.05
280-30425-d-5: 111.507
280-30425-d-6: 82.5314
280-30425-d-7: 219.442
280-30425-d-8: 78.3532
280-30455-d-1: 125.985
BREAD BASELINE: 36.2456
RINSE: 35.4772
5000 PPB CCV: 5148.69
CCV 1000PPB: 1045.27
CCB: 38.5825
BREAD BASELINE: 36.2456
RINSE: 34.2649
280-30455-d-1 MS: 1715.2
280-30455-d-1 MSD: 1714.6
280-30455-d-2: 132.132
280-30455-d-4: 63.3966
280-30455-d-5: 617.906
280-30455-d-6: 77.9968
280-30455-d-7: 103.586
RINSE: 50.7708
RINSE: 55.0902
RINSE: 58.6672
BREAD: 36.2456
RINSE: 35.272
5000 PPB CCV: 5000.07
CCV 1000PPB: 996.912
CCB: 42.0981

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TKN/351.2 **SOP #** DV-WC-0026

Instrument: ASTORIA **Analyst:** MWOODLEY **Analysis Date:** 7/19/2012

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
308361-11	WATER	127958	128608	351.2	N/A
30753-1	↓	↓	↓	↓	RECHECK
31069-1	↓	↓	↓	↓	N/A
30425 1-4, 4MS/MSD, 5-8	↓	128145	↓	↓	Q4
30865 1,3 / 30878 1-3	↓	↓	↓	↓	N/A
30862-1	↓	↓	↓	↓	↓
30455 1,2,4-7	↓	128384	↓	↓	Q4
30879 1-3	↓	↓	↓	↓	↓

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			✓
2. Correlation coefficient ≥ 0.995 ?	✓			✓
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			✓
4. ICB analyzed immediately after the ICV & results < the RL	✓			✓
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			✓
6. CCB analyzed after every CCV & results < RL?	✓			✓
7. Absolute value of the intercept is < ± ½ the RL?	✓			✓
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			✓
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			✓
3. All reported results bracketed by in control CCV results?	✓			✓
4. Sample analyses done within holding time?	✓			✓
5. Initial pH check documented for all samples? (If Applicable)	✓			✓
6. Preparation benchsheet completed and included in package?	✓			✓
7. Client requirements reviewed and met?	✓			✓
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	✓
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
11. Raw data copies prepared, scanned, and uploaded?	✓			✓
12. Manual integrations done properly and initialed and dated?			✓	✓
13. STD/True Value information is updated and included?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. MS/MSD run at required frequency and within limits or NCM written?	✓			✓
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	✓

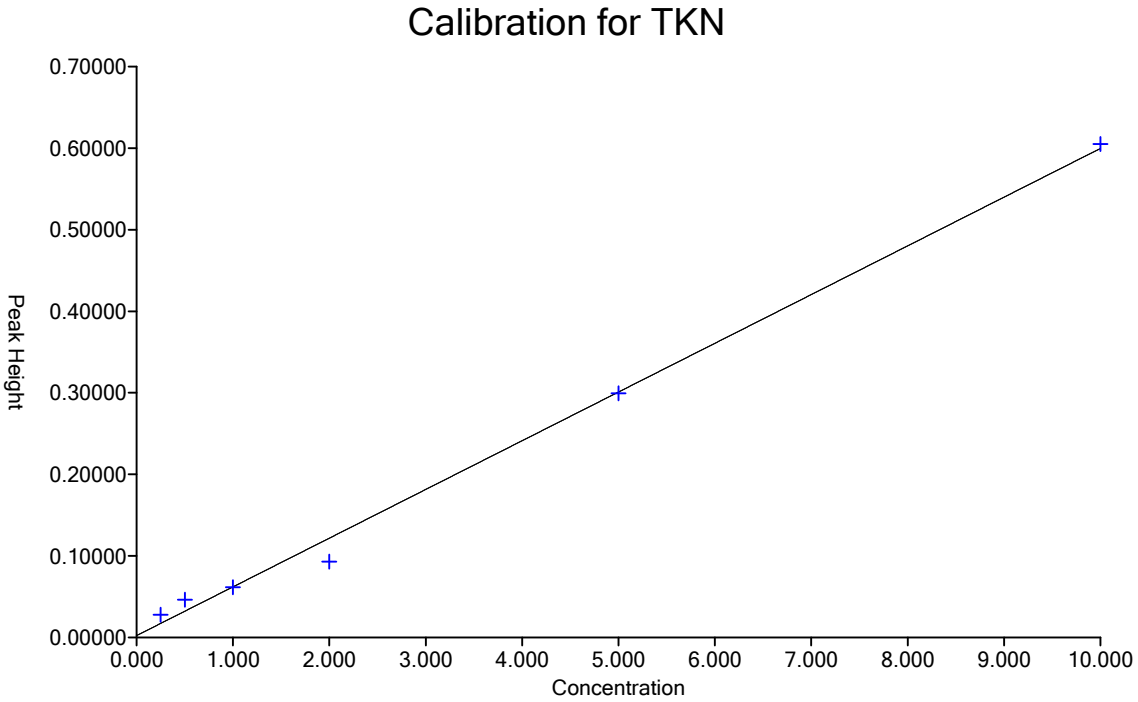
Analyst: [signature] **Date:** 7/20/2012

2nd Level Reviewer : [signature] **Date:** 7/20/12

Run Name: 071912TKN
Configuration: TKN
Run date: 7/19/2012

Analyst: Astoria
ICV/CCV TV: TKN
LCS/MS TV: 351.2

	Positi	Identifier	Type	Comm	Date	Time	Total	TKN Cor Ht	TKN mg/l
1	1:1	SYNC	SYNC	50;351	7/19/2012	10:01:47	1	0.59533	9.930
2	1:2	CO	Carry over		7/19/2012	10:02:17	1	0.00090	-0.022
3	1:3	w	Blank		7/19/2012	10:03:32	1	0.00001	-0.037
4	1:4	W	Wash		7/19/2012	10:04:48	1	0.00000	-0.037
5	1:5	C1	Calibrant		7/19/2012	10:06:03	1	0.02801	0.432
6	1:6	C2	Calibrant		7/19/2012	10:07:18	1	0.04614	0.735
7	1:7	C3	Calibrant		7/19/2012	10:08:34	1	0.06179	0.997
8	1:8	C4	Calibrant		7/19/2012	10:09:49	1	0.09294	1.519
9	1:9	C5	Calibrant		7/19/2012	10:11:04	1	0.29923	4.972
10	1:10	C6	Calibrant		7/19/2012	10:12:20	1	0.60515	10.094
		Curve #:							1
		Curve Type:							Linear
		Correlation:							0.99771
		Intercept:							0.0022135
		Linear coef:							0.059733



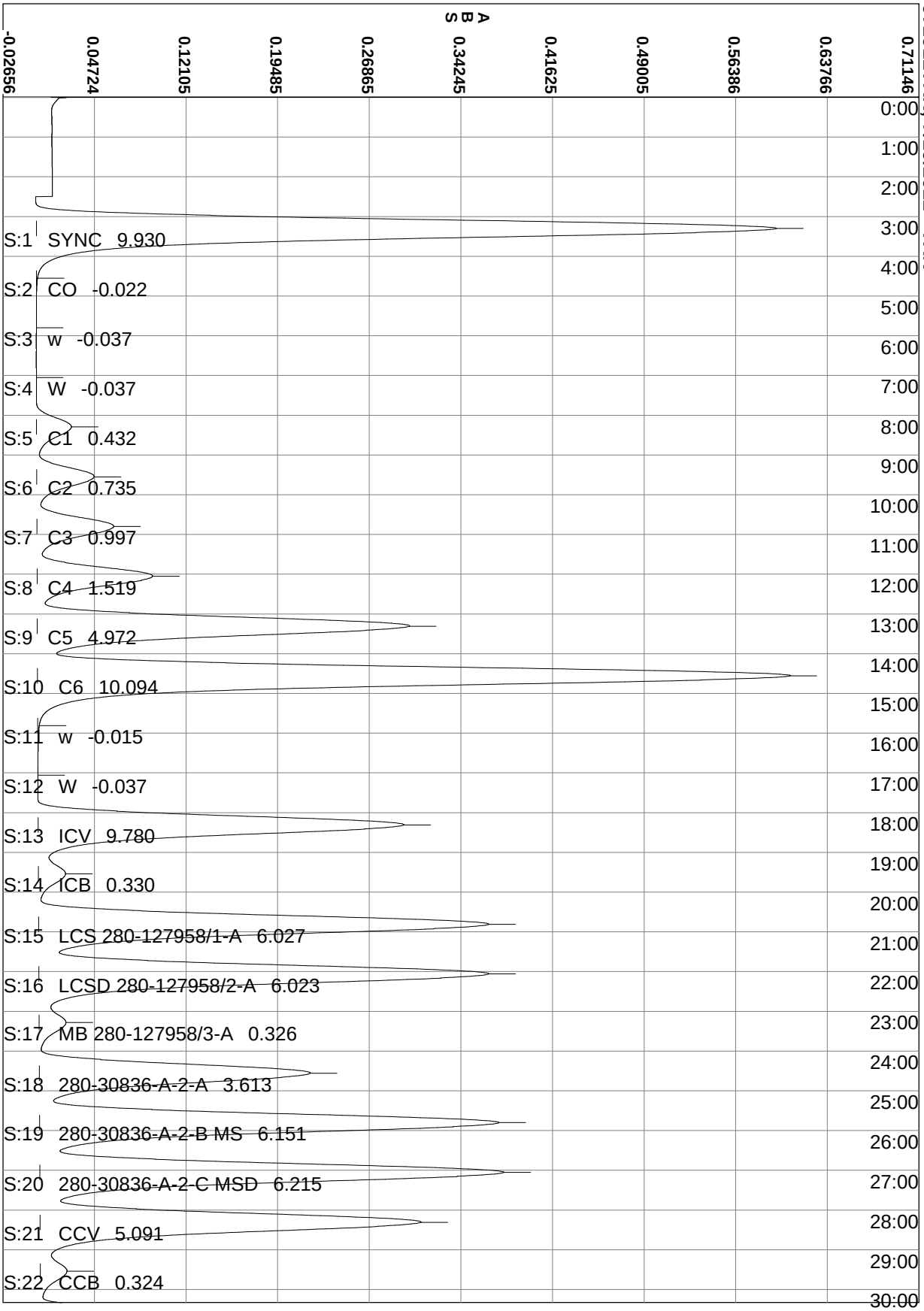
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Correlation: 0.9977 Y Range = 0.00000 to 7.20000

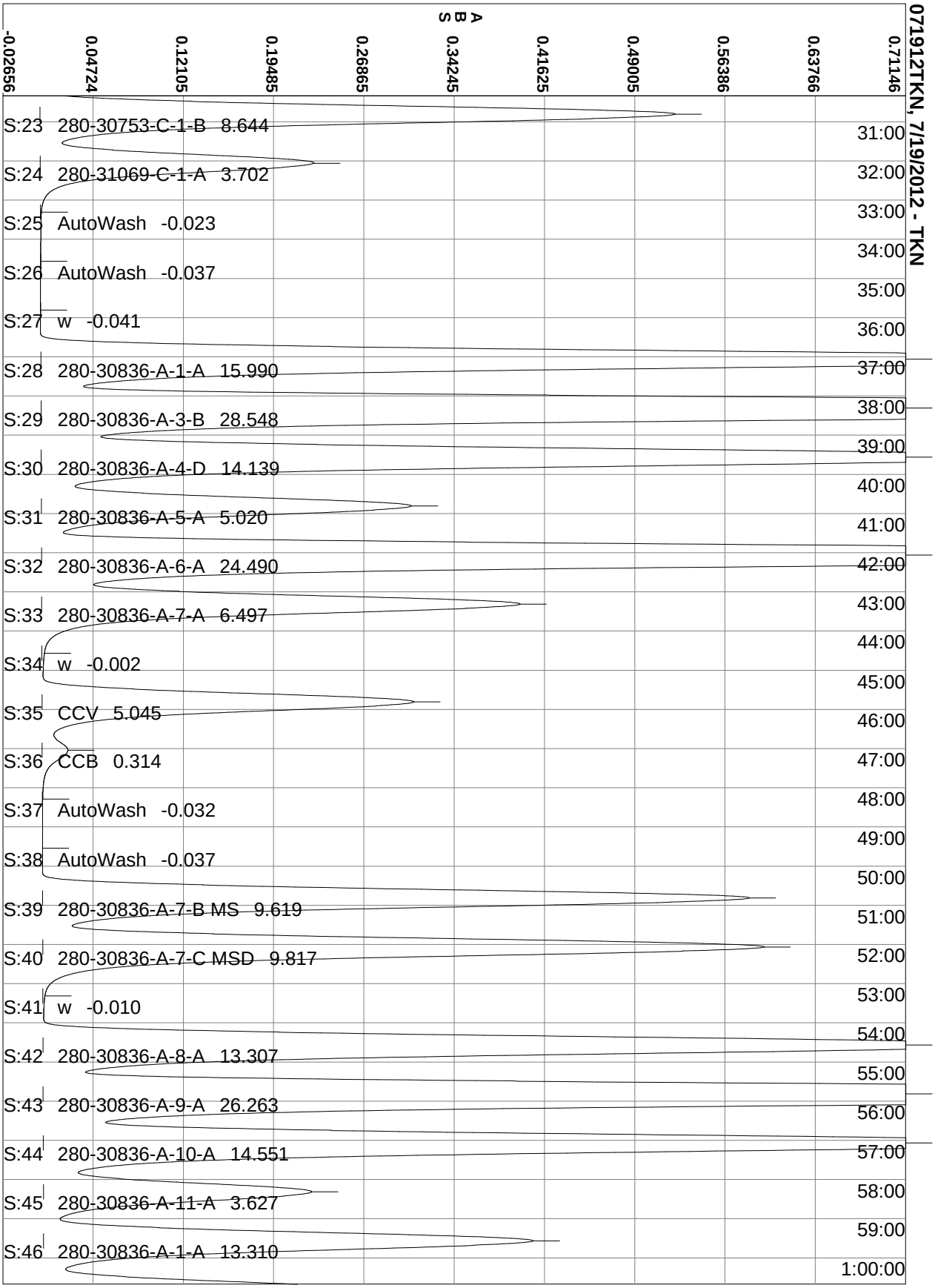
	Positi	Identifier	Type	Comm	Date	Time	Total	TKN Cor Ht	TKN mg/l
11	1:13	w	Blank		7/19/2012	10:13:35	1	0.00130	-0.015
12	1:14	W	Wash		7/19/2012	10:14:50	1	0.00000	-0.037
13	1:15	ICV	ICV		7/19/2012	10:16:05	2	0.29432	9.780
14	1:16	ICB	ICB		7/19/2012	10:17:21	1	0.02193	0.330
15	1:17	LCS 280-127958/1-A	Unknown		7/19/2012	10:18:36	1	0.36223	6.027

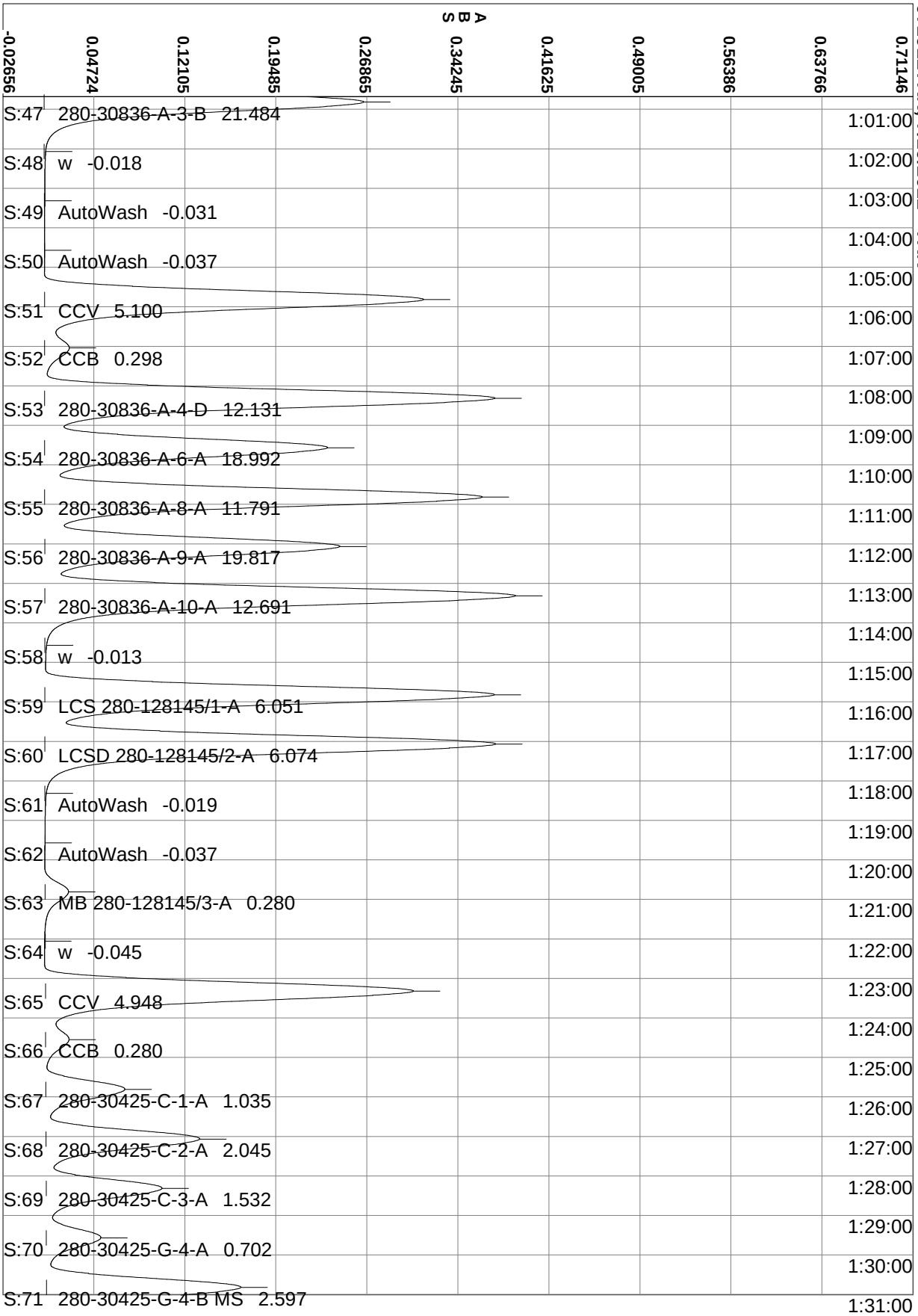
	›siti	Identifier	Type	Comm	Date	Time	Total	TKN Cor Ht	mg/l
16	1:18	LCSD 280-127958/2-A	Unknown		7/19/2012	10:19:51	1	0.36201	6.023
17	1:19	MB 280-127958/3-A	Unknown		7/19/2012	10:21:07	1	0.02170	0.326
18	1:20	280-30836-A-2-A	Unknown		7/19/2012	10:22:22	1	0.21803	3.613
19	1:21	280-30836-A-2-B MS	Unknown		7/19/2012	10:23:37	1	0.36964	6.151
20	1:22	280-30836-A-2-C MSI	Unknown		7/19/2012	10:24:53	1	0.37346	6.215
21	1:23	CCV	CCV		7/19/2012	10:26:08	1	0.30633	5.091
22	1:24	CCB	CCB		7/19/2012	10:27:23	1	0.02156	0.324
23	1:25	280-30753-C-1-B	Unknown		7/19/2012	10:28:39	1	0.51854	8.644
24	1:26	280-31069-C-1-A	Unknown		7/19/2012	10:29:54	1	0.22332	3.702
25	0	AutoWash	AutoWash		7/19/2012	10:31:09	1	0.00085	-0.023
26	0	AutoWash	AutoWash		7/19/2012	10:32:25	1	0.00000	-0.037
27	1:27	w	Blank		7/19/2012	10:33:40	1	-0.00021	-0.041
28	1:28	280-30836-A-1-A	Unknown		7/19/2012	10:34:55	1	0.95732	15.990
29	1:29	280-30836-A-3-B	Unknown		7/19/2012	10:36:10	1	1.70749	28.548
30	1:30	280-30836-A-4-D	Unknown		7/19/2012	10:37:26	1	0.84677	14.139
31	1:31	280-30836-A-5-A	Unknown		7/19/2012	10:38:41	1	0.30205	5.020
32	1:32	280-30836-A-6-A	Unknown		7/19/2012	10:39:56	1	1.46508	24.490
33	1:33	280-30836-A-7-A	Unknown		7/19/2012	10:41:12	1	0.39030	6.497
34	1:34	w	Blank		7/19/2012	10:42:27	1	0.00212	-0.002
35	1:35	CCV	CCV		7/19/2012	10:43:42	1	0.30355	5.045
36	1:36	CCB	CCB		7/19/2012	10:44:58	1	0.02099	0.314
37	0	AutoWash	AutoWash		7/19/2012	10:46:13	1	0.00032	-0.032
38	0	AutoWash	AutoWash		7/19/2012	10:47:28	1	0.00000	-0.037
39	1:37	280-30836-A-7-B MS	Unknown		7/19/2012	10:48:44	1	0.57678	9.619
40	1:38	280-30836-A-7-C MSI	Unknown		7/19/2012	10:49:59	1	0.58858	9.817
41	1:39	w	Blank		7/19/2012	10:51:14	1	0.00161	-0.010
42	1:40	280-30836-A-8-A	Unknown		7/19/2012	10:52:29	1	0.79710	13.307
43	1:41	280-30836-A-9-A	Unknown		7/19/2012	10:53:45	1	1.57095	26.263
44	1:42	280-30836-A-10-A	Unknown		7/19/2012	10:55:00	1	0.87141	14.551
45	1:43	280-30836-A-11-A	Unknown		7/19/2012	10:56:15	1	0.21888	3.627
46	1:44	280-30836-A-1-A	Unknown		7/19/2012	10:57:31	2	0.39972	13.310
47	1:45	280-30836-A-3-B	Unknown		7/19/2012	10:58:46	5	0.25887	21.484
48	1:46	w	Blank		7/19/2012	11:00:01	1	0.00116	-0.018
49	0	AutoWash	AutoWash		7/19/2012	11:01:17	1	0.00036	-0.031
50	0	AutoWash	AutoWash		7/19/2012	11:02:32	1	0.00000	-0.037
51	1:47	CCV	CCV		7/19/2012	11:03:47	1	0.30685	5.100
52	1:48	CCB	CCB		7/19/2012	11:05:03	1	0.02000	0.298
53	1:49	280-30836-A-4-D	Unknown		7/19/2012	11:06:18	2	0.36451	12.131
54	1:50	280-30836-A-6-A	Unknown		7/19/2012	11:07:33	5	0.22911	18.992
55	1:51	280-30836-A-8-A	Unknown		7/19/2012	11:08:49	2	0.35436	11.791
56	1:52	280-30836-A-9-A	Unknown		7/19/2012	11:10:04	5	0.23896	19.817
57	1:53	280-30836-A-10-A	Unknown		7/19/2012	11:11:19	2	0.38126	12.691
58	1:54	w	Blank		7/19/2012	11:12:34	1	0.00144	-0.013
59	1:55	LCS 280-128145/1-A	Unknown		7/19/2012	11:13:50	1	0.36364	6.051
60	1:56	LCSD 280-128145/2-A	Unknown		7/19/2012	11:15:05	1	0.36503	6.074
61	0	AutoWash	AutoWash		7/19/2012	11:16:20	1	0.00109	-0.019
62	0	AutoWash	AutoWash		7/19/2012	11:17:36	1	0.00000	-0.037
63	1:57	MB 280-128145/3-A	Unknown		7/19/2012	11:18:51	1	0.01893	0.280

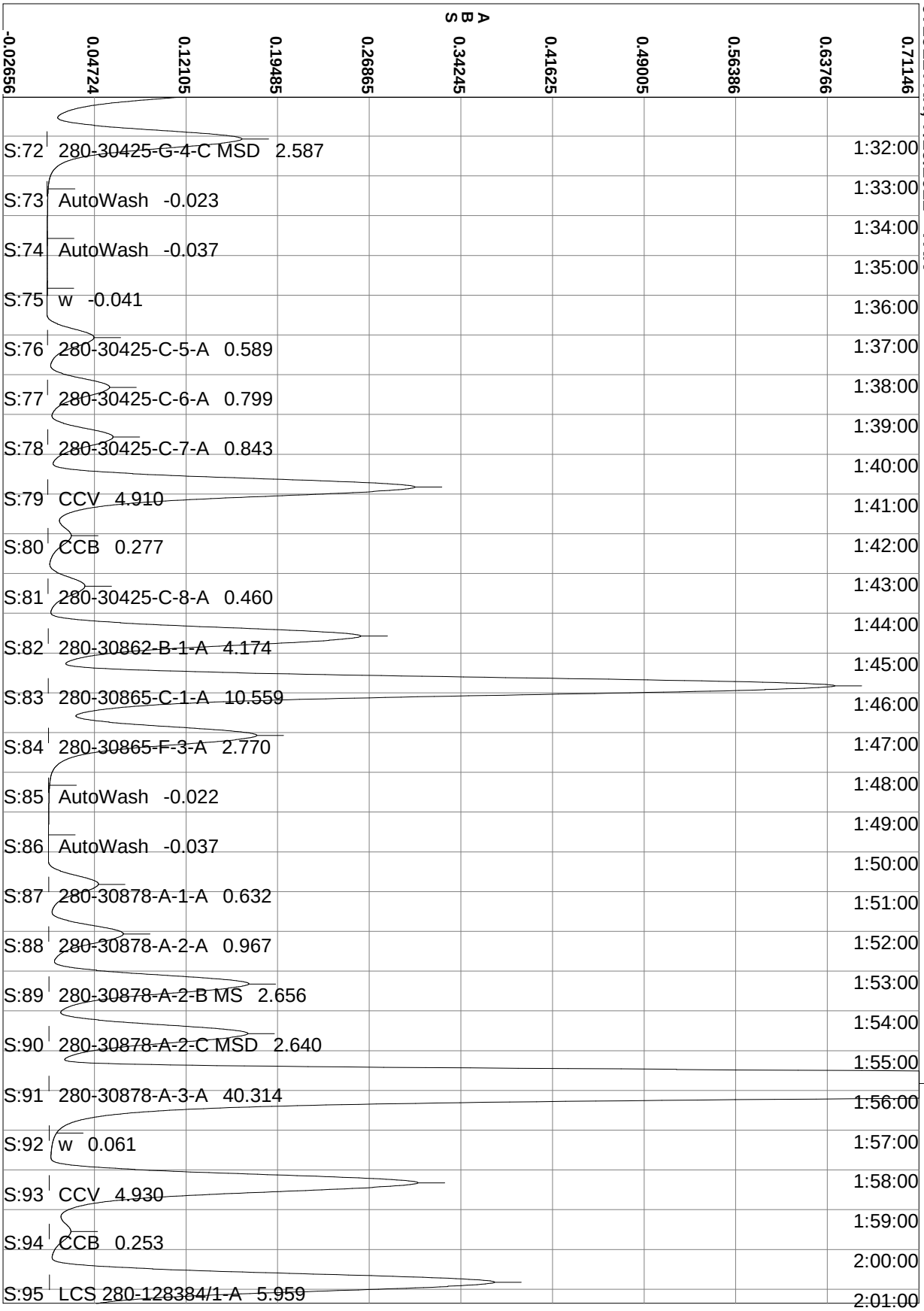
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64	1:58	w	Blank		7/19/2012	11:20:06	1	-0.00050	-0.045
65	1:59	CCV	CCV		7/19/2012	11:21:22	1	0.29778	4.948
66	1:60	CCB	CCB		7/19/2012	11:22:37	1	0.01892	0.280
67	2:1	280-30425-C-1-A	Unknown		7/19/2012	11:23:52	1	0.06403	1.035
68	2:2	280-30425-C-2-A	Unknown		7/19/2012	11:25:08	1	0.12439	2.045
69	2:3	280-30425-C-3-A	Unknown		7/19/2012	11:26:23	1	0.09374	1.532
70	2:4	280-30425-G-4-A	Unknown		7/19/2012	11:27:38	1	0.04414	0.702
71	2:5	280-30425-G-4-B MS	Unknown		7/19/2012	11:28:53	1	0.15731	2.597
72	2:6	280-30425-G-4-C MSI	Unknown		7/19/2012	11:30:09	1	0.15672	2.587
73	0	AutoWash	AutoWash		7/19/2012	11:31:24	1	0.00081	-0.023
74	0	AutoWash	AutoWash		7/19/2012	11:32:39	1	0.00000	-0.037
75	2:7	w	Blank		7/19/2012	11:33:55	1	-0.00025	-0.041
76	2:8	280-30425-C-5-A	Unknown		7/19/2012	11:35:10	1	0.03740	0.589
77	2:9	280-30425-C-6-A	Unknown		7/19/2012	11:36:25	1	0.04991	0.799
78	2:10	280-30425-C-7-A	Unknown		7/19/2012	11:37:40	1	0.05254	0.843
79	2:11	CCV	CCV		7/19/2012	11:38:56	1	0.29552	4.910
80	2:12	CCB	CCB		7/19/2012	11:40:11	1	0.01877	0.277
81	2:13	280-30425-C-8-A	Unknown		7/19/2012	11:41:26	1	0.02967	0.460
82	2:14	280-30862-B-1-A	Unknown		7/19/2012	11:42:42	1	0.25155	4.174
83	2:15	280-30865-C-1-A	Unknown		7/19/2012	11:43:57	1	0.63293	10.559
84	2:16	280-30865-F-3-A	Unknown		7/19/2012	11:45:12	1	0.16765	2.770
85	0	AutoWash	AutoWash		7/19/2012	11:46:28	1	0.00087	-0.022
86	0	AutoWash	AutoWash		7/19/2012	11:47:43	1	0.00000	-0.037
87	2:17	280-30878-A-1-A	Unknown		7/19/2012	11:48:58	1	0.03998	0.632
88	2:18	280-30878-A-2-A	Unknown		7/19/2012	11:50:14	1	0.05995	0.967
89	2:19	280-30878-A-2-B MS	Unknown		7/19/2012	11:51:29	1	0.16085	2.656
90	2:20	280-30878-A-2-C MSI	Unknown		7/19/2012	11:52:44	1	0.15991	2.640
91	2:21	280-30878-A-3-A	Unknown		7/19/2012	11:53:59	1	2.41030	40.314
92	2:22	w	Blank		7/19/2012	11:55:15	1	0.00584	0.061
93	2:23	CCV	CCV		7/19/2012	11:56:30	1	0.29667	4.930
94	2:24	CCB	CCB		7/19/2012	11:57:45	1	0.01734	0.253
95	2:25	LCS 280-128384/1-A	Unknown		7/19/2012	11:59:01	1	0.35819	5.959
96	2:26	LCSD 280-128384/2-A	Unknown		7/20/2012	12:00:16	1	0.35917	5.976
97	0	AutoWash	AutoWash		7/20/2012	12:01:31	1	0.00118	-0.017
98	0	AutoWash	AutoWash		7/20/2012	12:02:47	1	0.00000	-0.037
99	2:27	MB 280-128384/3-A	Unknown		7/20/2012	12:04:02	1	0.02310	0.350
100	2:28	280-30879-A-1-A	Unknown		7/20/2012	12:05:17	1	0.06743	1.092
101	2:29	280-30879-A-1-B MS	Unknown		7/20/2012	12:06:33	1	0.18338	3.033
102	2:30	280-30879-A-1-C MSI	Unknown		7/20/2012	12:07:48	1	0.18443	3.050
103	2:31	280-30879-A-2-A	Unknown		7/20/2012	12:09:03	1	0.07023	1.139
104	2:32	280-30879-A-3-A	Unknown		7/20/2012	12:10:18	1	0.06094	0.983
105	2:33	280-30455-C-1-A	Unknown		7/20/2012	12:11:34	1	0.07110	1.153
106	2:34	280-30455-C-2-A	Unknown		7/20/2012	12:12:49	1	0.05102	0.817
107	2:35	CCV	CCV		7/20/2012	12:14:04	1	0.29564	4.912
108	2:36	CCB	CCB		7/20/2012	12:15:20	1	0.01761	0.258
109	0	AutoWash	AutoWash		7/20/2012	12:16:35	1	0.00045	-0.030
110	0	AutoWash	AutoWash		7/20/2012	12:17:50	1	0.00000	-0.037
111	2:37	280-30455-C-4-A	Unknown		7/20/2012	12:19:06	1	0.05003	0.801

	›siti	Identifier	Type	Comm	Date	Time	Total	TKN Cor Ht	mg/l
112	2:38	280-30455-C-5-A	Unknown		7/20/2012	12:20:21	1	0.10246	1.678
113	2:39	280-30455-C-6-A	Unknown		7/20/2012	12:21:36	1	0.05608	0.902
114	2:40	280-30455-C-7-A	Unknown		7/20/2012	12:22:52	1	0.05133	0.822
115	2:41	280-30865-C-1-A	Unknown		7/20/2012	12:24:07	2	0.28692	9.533
116	2:42	280-30878-A-3-A	Unknown		7/20/2012	12:25:22	10	0.19715	32.635
117	2:43	CCV	CCV		7/20/2012	12:26:38	1	0.29606	4.919
118	2:44	CCB	CCB		7/20/2012	12:27:53	1	0.01744	0.255
119	0	AutoWash	AutoWash		7/20/2012	12:29:08	1	0.00039	-0.031
120	0	AutoWash	AutoWash		7/20/2012	12:30:23	1	0.00000	-0.037

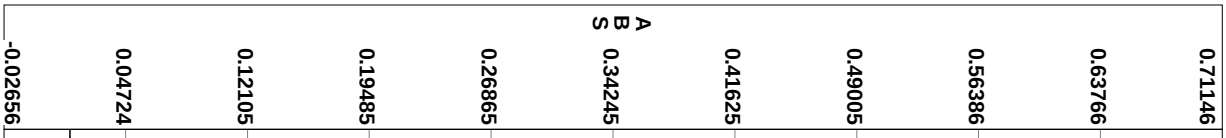

071912TKN, 7/19/2012 - TKN
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0.26865
0.34245
0.41625
0.49005
0.56386
0.63766
0.71146
0:00
1:00
2:00
3:00
4:00
5:00
6:00
7:00
8:00
9:00
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30:00
S:1 SYNC 9.930
S:2 CO -0.022
S:3 w -0.037
S:4 W -0.037
S:5 C1 0.432
S:6 C2 0.735
S:7 C3 0.997
S:8 C4 1.519
S:9 C5 4.972
S:10 C6 10.094
S:11 w -0.015
S:12 W -0.037
S:13 ICV 9.780
S:14 ICB 0.330
S:15 LCS 280-127958/1-A 6.027
S:16 LCSD 280-127958/2-A 6.023
S:17 MB 280-127958/3-A 0.326
S:18 280-30836-A-2-A 3.613
S:19 280-30836-A-2-B MS 6.151
S:20 280-30836-A-2-C MSD 6.215
S:21 CCV 5.091
S:22 CCB 0.324


071912TKN, 7/19/2012 - TKN
ABS
-0.02656
0.04724
0.12105
0.19485
0.26865
0.34245
0.41625
0.49005
0.56386
0.63766
0.71146
S:23 280-30753-C-1-B 8.644
S:24 280-31069-C-1-A 3.702
S:25 AutoWash -0.023
S:26 AutoWash -0.037
S:27 w -0.041
S:28 280-30836-A-1-A 15.990
S:29 280-30836-A-3-B 28.548
S:30 280-30836-A-4-D 14.139
S:31 280-30836-A-5-A 5.020
S:32 280-30836-A-6-A 24.490
S:33 280-30836-A-7-A 6.497
S:34 w -0.002
S:35 CCV 5.045
S:36 CCB 0.314
S:37 AutoWash -0.032
S:38 AutoWash -0.037
S:39 280-30836-A-7-B MS 9.619
S:40 280-30836-A-7-C MSD 9.817
S:41 w -0.010
S:42 280-30836-A-8-A 13.307
S:43 280-30836-A-9-A 26.263
S:44 280-30836-A-10-A 14.551
S:45 280-30836-A-11-A 3.627
S:46 280-30836-A-1-A 13.310
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071912TKN, 7/19/2012 - TKN
ABS
-0.02656
0.04724
0.12105
0.19485
0.26865
0.34245
0.41625
0.49005
0.56386
0.63766
0.71146
S:47 280-30836-A-3-B 21.484
S:48 w -0.018
S:49 AutoWash -0.031
S:50 AutoWash -0.037
S:51 CCV 5.100
S:52 CCB 0.298
S:53 280-30836-A-4-D 12.131
S:54 280-30836-A-6-A 18.992
S:55 280-30836-A-8-A 11.791
S:56 280-30836-A-9-A 19.817
S:57 280-30836-A-10-A 12.691
S:58 w -0.013
S:59 LCS 280-128145/1-A 6.051
S:60 LCSD 280-128145/2-A 6.074
S:61 AutoWash -0.019
S:62 AutoWash -0.037
S:63 MB 280-128145/3-A 0.280
S:64 w -0.045
S:65 CCV 4.948
S:66 CCB 0.280
S:67 280-30425-C-1-A 1.035
S:68 280-30425-C-2-A 2.045
S:69 280-30425-C-3-A 1.532
S:70 280-30425-G-4-A 0.702
S:71 280-30425-G-4-B MS 2.597
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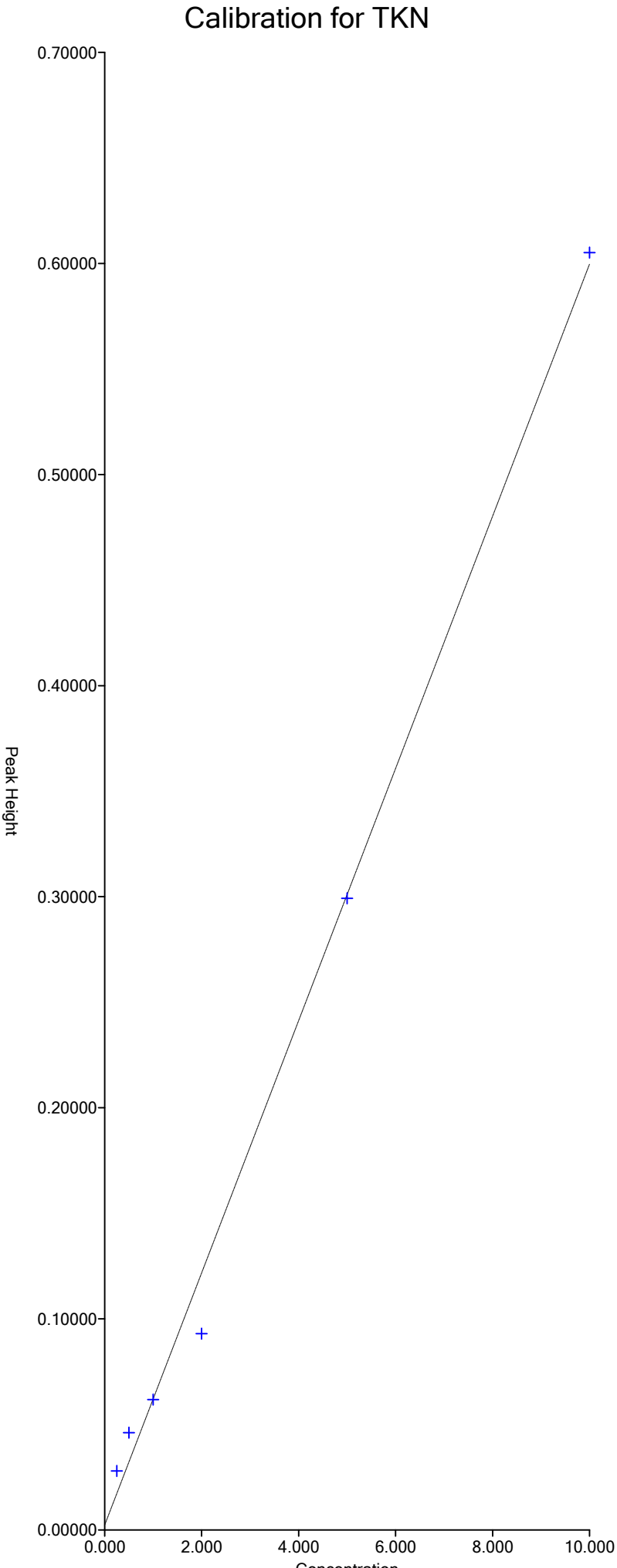

071912TKN, 7/19/2012 - TKN
ABS
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0.04724
0.12105
0.19485
0.26865
0.34245
0.41625
0.49005
0.56386
0.63766
0.71146
S:72 280-30425-G-4-C MSD 2.587
S:73 AutoWash -0.023
S:74 AutoWash -0.037
S:75 w -0.041
S:76 280-30425-C-5-A 0.589
S:77 280-30425-C-6-A 0.799
S:78 280-30425-C-7-A 0.843
S:79 CCV 4.910
S:80 CCB 0.277
S:81 280-30425-C-8-A 0.460
S:82 280-30862-B-1-A 4.174
S:83 280-30865-C-1-A 10.559
S:84 280-30865-F-3-A 2.770
S:85 AutoWash -0.022
S:86 AutoWash -0.037
S:87 280-30878-A-1-A 0.632
S:88 280-30878-A-2-A 0.967
S:89 280-30878-A-2-B MS 2.656
S:90 280-30878-A-2-C MSD 2.640
S:91 280-30878-A-3-A 40.314
S:92 w 0.061
S:93 CCV 4.930
S:94 CCB 0.253
S:95 LCS 280-128384/1-A 5.959
1:32:00
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1:59:00
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2:01:00


071912TKN, 7/19/2012 - TKN
ABS
-0.02656
0.04724
0.12105
0.19485
0.26865
0.34245
0.41625
0.49005
0.56386
0.63766
0.71146
S:96 LCSD 280-128384/2-A 5.976
S:97 AutoWash -0.017
S:98 AutoWash -0.037
S:99 MB 280-128384/3-A 0.350
S:100 280-30879-A-1-A 1.092
S:101 280-30879-A-1-B MS 3.033
S:102 280-30879-A-1-C MSD 3.050
S:103 280-30879-A-2-A 1.139
S:104 280-30879-A-3-A 0.983
S:105 280-30455-C-1-A 1.153
S:106 280-30455-C-2-A 0.817
S:107 CCV 4.912
S:108 CCB 0.258
S:109 AutoWash -0.030
S:110 AutoWash -0.037
S:111 280-30455-C-4-A 0.801
S:112 280-30455-C-5-A 1.678
S:113 280-30455-C-6-A 0.902
S:114 280-30455-C-7-A 0.822
S:115 280-30865-C-1-A 9.533
S:116 280-30878-A-3-A 32.635
S:117 CCV 4.919
S:118 CCB 0.255
S:119 AutoWash -0.031
2:02:00
2:03:00
2:04:00
2:05:00
2:06:00
2:07:00
2:08:00
2:09:00
2:10:00
2:11:00
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2:31:00



S:120 AutoWash -0.037

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3:02:00



Segment 1: Equation: y = 0.05973x + 0.002213
Correlation: 0.9977

X Range = 0.000 to 10.000
Y Range = 0.00000 to 7.20000

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: COD 410.4 **SOP #** DV-WC-0018

Instrument: HACH Spec **Analyst:** M. Fayard **Analysis Date:** 6/16/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30117-1	Water	NA	124298	410.4	NA
280-30007-1					
280-29966-6					
280-29975-1					
280-29988-1					
280-30081-1-5					
280-30093-1					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			–
2. Correlation coefficient ≥ 0.995 ?	✓			–
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			–
4. ICB analyzed immediately after the ICV & results < the RL	✓			–
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			–
6. CCB analyzed after every CCV & results < RL?	✓			–
7. Absolute value of the intercept is < ± ½ the RL?			✓	–
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			–
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			–
3. All reported results bracketed by in control CCV results?	✓			–
4. Sample analyses done within holding time?	✓			–
5. Initial pH check documented for all samples? (If Applicable)	✓			
6. Preparation benchsheet completed and included in package?			✓	–
7. Client requirements reviewed and met?	✓			–
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	–
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			–
11. Raw data copies prepared, scanned, and uploaded?	✓			–
12. Manual integrations done properly and initialed and dated?			✓	–
13. STD/True Value information is updated and included?	✓			–
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			–
2. Method blank < ½ RL or NCM provided?	✓			–
3. LCS/LCSD run for batch and within QC limits?	✓			–
4. MS/MSD run at required frequency and within limits or NCM written?	✓			–
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	–

Analyst: [signature] **Date:** 6/19/12

2nd Level Reviewer : [signature] **Date:** 6.20.12

Test Name/ Method #: COD 410.4 **SOP #** DV-WC-0018

Instrument: HACH SPEC **Analyst:** M. FAYARD **Analysis Date:** 6/16/12

Lot / Sample Numbers	Matrix	Batch	Method	Special Inst
280-30116-1	Water	124298	410.4	NA
280-29669-9, 19, 32, 42	↓	↓	↓	DOE
280-29669-52462				DOE

NA 6/19/12

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: COD - 410.4 **SOP #** DV-WC-0018

Instrument: HACH Spec **Analyst:** M. Fayard **Analysis Date:** 7/3/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30635-7-10	Water	NA	126482	410.4	NA
280-30457-12+13					NA
280-30538-1-4					DoD Q4
280-30425-1-6					DoD Q4

NA 7/3/12

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			—
2. Correlation coefficient ≥ 0.995 ?	✓			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			—
4. ICB analyzed immediately after the ICV & results < the RL	✓			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			—
6. CCB analyzed after every CCV & results < RL?	✓			—
7. Absolute value of the intercept is < ± ½ the RL?			✓	—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?			✓	—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?			✓	—
3. All reported results bracketed by in control CCV results?	✓			—
4. Sample analyses done within holding time?	✓			—
5. Initial pH check documented for all samples? (If Applicable)	✓			—
6. Preparation benchsheet completed and included in package?			✓	—
7. Client requirements reviewed and met?	✓			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	—
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
11. Raw data copies prepared, scanned, and uploaded?	✓			—
12. Manual integrations done properly and initialed and dated?			✓	—
13. STD/True Value information is updated and included?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?	✓			—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	—

Analyst: [signature] **Date:** 7/3/12

2nd Level Reviewer : [signature] **Date:** 7/5/12

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: COD 410.4 **SOP #** DV-WC-0018

Instrument: HACH SPEC **Analyst:** M. FAJARD **Analysis Date:** 7/3/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30425-7+8	Water	NA	126498	410.4	Q4
280-30455-1,2,4-7	↓	↓	↓	↓	Q4
	7/3/12				

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			—
2. Correlation coefficient ≥ 0.995 ?	✓			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			—
4. ICB analyzed immediately after the ICV & results < the RL	✓			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			—
6. CCB analyzed after every CCV & results < RL?	✓			—
7. Absolute value of the intercept is < ± ½ the RL?			✓	—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?			✓	—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?			✓	—
3. All reported results bracketed by in control CCV results?	✓			—
4. Sample analyses done within holding time?	✓			—
5. Initial pH check documented for all samples? (If Applicable)	✓			—
6. Preparation benchsheet completed and included in package?			✓	—
7. Client requirements reviewed and met?	✓			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	—
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
11. Raw data copies prepared, scanned, and uploaded?	✓			—
12. Manual integrations done properly and initialed and dated?			✓	—
13. STD/True Value information is updated and included?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?	✓			—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	—

Analyst: [signature] **Date:** 7/3/12

2nd Level Reviewer : [signature] **Date:** 7/4/12

TestAmerica

Wet Chemistry Data Review Checklist
Direct Measurement Methods (pH, Conductance, etc.)

Test Name/Method #: Color **Analysis Date** 6 27 12

SOP #: DV WC 0058 **Analyst:** DH **Instrument:** Nesslertubes

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280 30425/1-8	Wate	NA	126228	2120B	NA

DH 6 30 12

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the instrument properly standardized?	✓			✓
2. Second-source ICV analyzed immediately after instrument standardization & recovery ± 10% of true value?			✓	✓
3. ICB analyzed immediately after ICV & results < the RL?			✓	✓
4. CCV analyzed after every ten samples & recovery ± 10% of true value?			✓	✓
5. CCB analyzed after every CCV & all results < the RL?			✓	✓
B. Sample Results				
1. pH sample and duplicate within ± 0.1 units?			✓	✓
1. Are all sample dilutions appropriate and do associated RLs reflect required dilutions or limited sample volumes?	✓			✓
2. All reported results bracketed by in control CCV results?			✓	✓
3. Sample analyses done within holding time?	✓			✓
4. Preparation benchsheet completed and included in package (if applicable)?	✓			✓
5. Special client requirements reviewed and met?	✓			✓
6. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓			✓
7. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
8. STD/True Value information is updated and included?	✓			✓
9. Raw data copies prepared, scanned, and uploaded?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?			✓	✓
4. Sample DUP run at required frequency and RPD within established limits?	✓			✓

Analyst: _____ **Date:** 6 30 12

2nd Level Reviewer : _____ **Date:** 6/30/12

5/18/10 Version 2
QA/Edit/Forms/Data Review\Direct Measurement Methods Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver Wet Chemistry Data Review Checklist
For Titration Methods

ANALYTE: Hardness ANALYST: AA ANALYSIS DATE: 7/19/12 SOP: WC-0060

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30425	W	N/A	128483	2340C	
30924	↓	↓	↓	↓	
30824					
30865					
31032					
30455					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the normality of the titrant verified and found acceptable?	✓			✓
B. Sample Results				
1. Are all sample dilutions appropriate and do associated RLs/MDLs reflect required dilutions or limited sample volume?	✓			–
2. All reported results bracketed by in control CCV/CCB?			✓	–
3. Sample analyses done within holding time?	✓			–
4. Initial pH check documented for all samples (if required)?			✓	–
5. Preparation benchsheet completed and included in package (if applicable)?	✓			–
6. Special client requirements checked?	✓			✓
7. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures? (If Applicable)	✓			–
8. Do the prep and analysis dates in TALS reflect the actual dates?	✓			–
9. STD/True Value information is updated and included?	✓			–
10. Raw data copies prepared, scanned, and uploaded?	✓			–
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			–
2. Method blank < ½ RL or NCM provided?	✓			–
3. LCS/LCSD run for batch and within QC limits?	✓			–
4. MS/MSD run at required frequency and within limits or NCM written?	✓		Jaa	7/19/12
5. DUP run at required frequency and RPD within 20% or NCM written?			✓	

Analyst: [signature] Date: 7/19/12

Comments:

2nd Level Reviewer : [signature] Date: 7/20/12

Comments:

HARDNESS BY TITRATION

Analyst:	AA	**Titration Solutions**		**SOP Information:**	**Rep. / Detection Limits**
Date:	7/19/2012	Solution 1:	EDTA	Number: DV-WC-0060	MDL 0
QC Batch:		Source:	RICCA	Revision: No.3 05/10	Rep. Limit 2
MS Run:		LOT#	_00010	**Calibration Information**	
Time:9:30		Normality:	0.01960	Std# Hard 00021	
2340C		Exp. Date:	7/31/2013	Lot #	
		Std#	22	Made By: LabChem	
Pipette Verification	5.04			Concentration:1000	
at 5mls:		5000n		Exp: 3/11/13	
Brinkmann bottletop		5000x		DCS True Value: 400.00	
Buret 50				Spike True Value: 200.00	

Lot Number	Work Order	Sample Volume	Buret Start	Buret Stop	Flags	Final mL	Concentratn mg/L	Prep D.F.	Analyt. D.F.	Final Conc mg/L	% Rec.
	titrant stdz	10	0.00	10.24		10.24	1003.441	1	1	1003.44	0.01953
	titrant stdz	10	0.00	10.17		10.17	996.582	1	1	996.58	0.01967
	MB	25	0.00	0.00		0.00	0.000	1	1	0.00	
	LCS	25	0.00	10.20		10.20	399.809	1	1	399.81	
	LCS	25	0.00	10.13		10.13	397.065	1	1	397.06	
280-30425-M-4	X	25	0.00	5.61		5.61	219.895	1	1	219.89	
280-30425-M-4 ms	X	25	0.00	15.31		15.31	600.105	1	1	600.11	
280-30425-M-4 msd	X	25	0.00	15.85		15.85	621.271	1	1	621.27	
280-30425-E-1	X	25	0.00	6.75		6.75	264.579	1	1	264.58	
280-30425-E-2	X	25	0.00	8.86		8.86	347.285	1	1	347.28	
280-30425-E-3	X	25	0.00	7.52		7.52	294.761	1	1	294.76	
280-30425-E-5	X	25	0.00	5.37		5.37	210.488	1	1	210.49	
280-30425-E-6	x	25	0.00	3.92		3.92	153.652	1	1	153.65	
280-30425-E-7	x	25	0.00	2.06		2.06	80.746	1	1	80.75	
280-30425-E-8	x	25	0.00	0.00		0.00	0.000	1	1	0.00	
280-30924-C-1	x	25	0.00	2.63		2.63	103.088	1	1	103.09	
280-30924-C-3	x	2.5	0.00	10.24		10.24	4013.766	1	1	4013.77	
280-30824-C-1	x	5	0.00	12.64		12.64	2477.246	1	1	2477.25	
280-30865-H-1	x	25	0.00	4.76		4.76	186.577	1	1	186.58	
280-30865-J-3	x	25	0.00	3.86		3.86	151.300	1	1	151.30	
280-31032-A-2	x	25	0.00	3.71		3.71	145.421	1	1	145.42	
280-30455-E-1	x	25	0.00	1.88		1.88	73.690	1	1	73.69	
280-30455-E-2	x	25	0.00	2.14		2.14	83.881	1	1	83.88	
280-30455-E-4	x	25	0.00	6.37		6.37	249.684	1	1	249.68	
280-30455-E-5	x	25	0.00	9.21		9.21	361.004	1	1	361.00	
280-30455-E-6	x	25	0.00	3.94		3.94	154.436	1	1	154.44	
280-30455-E-7	x	25	0.00	0.00		0.00	0.000	1	1	0.00	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	

Buffer:	Hardness Buffer _00012	
Exp:	10 18 12	
Calmagit	_00001	Exp:06/22/13

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8
#Samples: 49
Created: 6/26/2012 9:12:51 AM by WETCHEMD
Last Update: 6/27/2012 5:36:16 AM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time	Weight
1	RT CHECK	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 10:39:00 AM	1.0000
2	cal1	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 10:55:48 AM	1.0000
3	cal2	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 11:12:36 AM	1.0000
4	cal3	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 11:29:24 AM	1.0000
5	cal4	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 11:46:12 AM	1.0000
6	cal5	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 12:03:00 PM	1.0000
7	cal6	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 12:19:49 PM	1.0000
8	BLK	Unknown	6	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 12:36:37 PM	1.0000
9	ICV STD#00813	Unknown	201	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 1:15:06 PM	1.0000
10	ICB	Unknown	187	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 1:31:54 PM	1.0000
11	ICV STD#00824	Unknown	426	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 8:48:25 AM	1.0000
12	ICB	Unknown	203	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 9:14:02 AM	1.0000
13	MRL 0.02	Unknown	203	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 9:30:50 AM	1.0000
14	LCS STD#00824	Unknown	194	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 9:47:39 AM	1.0000
15	LCSD	Unknown	193	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 10:04:27 AM	1.0000
16	MRL 0.05	Unknown	139	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 10:42:18 AM	1.0000
17	MB	Unknown	175	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 10:59:06 AM	1.0000
18	280-29862-k-1 50X	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 11:21:50 AM	1.0000
19	280-29862-k-1 500X	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 11:38:38 AM	1.0000
20	280-30425-b-1	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 12:15:21 PM	1.0000
21	280-30425-b-2	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 12:32:09 PM	1.0000
22	280-30425-b-3	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 12:48:57 PM	1.0000
23	280-30425-e-4	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 1:05:46 PM	1.0000
24	DU 280-30425-e-4	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 1:22:34 PM	1.0000
25	MS 280-30425-e-4	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 1:39:22 PM	1.0000
26	MSD 280-30425-e-4	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 1:56:11 PM	1.0000
27	280-30425-b-5	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 2:12:59 PM	1.0000
28	CCV	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 2:29:47 PM	1.0000
29	CCB	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 2:46:36 PM	1.0000
30	280-30425-b-6	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 3:03:23 PM	1.0000
31	280-30425-b-7	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 3:20:12 PM	1.0000
32	280-30425-b-8	Unknown	411	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 3:37:00 PM	1.0000
33	280-30424-a-3	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 3:53:48 PM	1.0000
34	280-30424-a-4	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 4:10:36 PM	1.0000
35	280-30424-a-5	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 4:27:25 PM	1.0000
36	280-30424-a-6	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 4:44:13 PM	1.0000
37	280-30447-i-1	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 5:01:01 PM	1.0000
38	280-30447-i-2	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 5:17:50 PM	1.0000
39	DU 280-30424-a-3	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 5:34:38 PM	1.0000
40	CCV	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 5:51:26 PM	1.0000
41	CCB	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 6:08:14 PM	1.0000
42	280-30441-d-1	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 6:25:03 PM	1.0000
43	280-30441-d-2	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 6:41:51 PM	1.0000
44	280-30424-a-4 5X	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 6:58:39 PM	1.0000

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/26/2012 9:12:51 AM by WETCHEMD
#Samples: 49 Last Update: 6/27/2012 5:36:16 AM by WETCHEMD

No.	Name	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	RT CHECK	1.0000	1.0000	100		EMK
2	cal1	1.0000	1.0000	101		EMK
3	cal2	1.0000	1.0000	102		EMK
4	cal3	1.0000	1.0000	103		EMK
5	cal4	1.0000	1.0000	104		EMK
6	cal5	1.0000	1.0000	105		EMK
7	cal6	1.0000	1.0000	106		EMK
8	BLK	1.0000	1.0000	107		EMK
9	ICV STD#00813	1.0000	1.0000	108		EMK
10	ICB	1.0000	1.0000	109		EMK
11	ICV STD#00824	1.0000	1.0000	110		EMK
12	ICB	1.0000	1.0000	111		EMK
13	MRL 0.02	1.0000	1.0000	112		EMK
14	LCS STD#00824	1.0000	1.0000	113		EMK
15	LCSD	1.0000	1.0000	114		EMK
16	MRL 0.05	1.0000	1.0000	115		EMK
17	MB	1.0000	1.0000	116		EMK
18	280-29862-k-1 50X	50.0000	1.0000	117		EMK
19	280-29862-k-1 500X	500.0000	1.0000	118		EMK
20	280-30425-b-1	1.0000	1.0000	119		EMK
21	280-30425-b-2	1.0000	1.0000	120		EMK
22	280-30425-b-3	1.0000	1.0000	121		EMK
23	280-30425-e-4	1.0000	1.0000	122		EMK
24	DU 280-30425-e-4	1.0000	1.0000	123		EMK
25	MS 280-30425-e-4	1.0000	1.0000	124		EMK
26	MSD 280-30425-e-4	1.0000	1.0000	125		EMK
27	280-30425-b-5	1.0000	1.0000	126		EMK
28	CCV	1.0000	1.0000	127		EMK
29	CCB	1.0000	1.0000	128		EMK
30	280-30425-b-6	1.0000	1.0000	129		EMK
31	280-30425-b-7	1.0000	1.0000	130		EMK
32	280-30425-b-8	1.0000	1.0000	131		EMK
33	280-30424-a-3	1.0000	1.0000	132		EMK
34	280-30424-a-4	1.0000	1.0000	133		EMK
35	280-30424-a-5	1.0000	1.0000	134		EMK
36	280-30424-a-6	1.0000	1.0000	135		EMK
37	280-30447-i-1	1.0000	1.0000	136		EMK
38	280-30447-i-2	1.0000	1.0000	137		EMK
39	DU 280-30424-a-3	1.0000	1.0000	138		EMK
40	CCV	1.0000	1.0000	139		EMK
41	CCB	1.0000	1.0000	140		EMK
42	280-30441-d-1	1.0000	1.0000	141		EMK
43	280-30441-d-2	1.0000	1.0000	142		EMK
44	280-30424-a-4 5X	5.0000	1.0000	143		EMK

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8
#Samples: 49
Created: 6/26/2012 9:12:51 AM by WETCHEMD
Last Update: 6/27/2012 5:36:16 AM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time	Weight
45	280-30441-d-1 5X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 7:15:28 PM	1.0000
46	280-30441-d-2 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 7:32:15 PM	1.0000
47	CCV	Unknown	426	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 7:49:04 PM	1.0000
48	CCB	Unknown	426	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 8:05:52 PM	1.0000
49	END	Unknown	421	10.0	stop	7 ANION AS11	Finished	6/26/2012 8:22:40 PM	1.0000

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/26/2012 9:12:51 AM by WETCHEMD
#Samples: 49 Last Update: 6/27/2012 5:36:16 AM by WETCHEMD

No.	Name	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
45	280-30441-d-1 5X	5.0000	1.0000	144		EMK
46	280-30441-d-2 5X	5.0000	1.0000	145		EMK
47	CCV	1.0000	1.0000	146		EMK
48	CCB	1.0000	1.0000	147		EMK
49	END	1.0000	1.0000	148		EMK

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Pressure.LowerLimit =              200 [psi]
           Pressure.UpperLimit =              3000 [psi]
           %A.Equate =                        "DI H2O"
           CR_TC =                            On
           Pump_InjectValve.State             LoadPosition
           Data_Collection_Rate =             5.0 [Hz]
           CellTemperature.Nominal =          35.0 [°C]
           ColumnTemperature.Nominal =        30.0 [°C]
           Suppressor_Type =                  ASRS_4mm
           ; Pump_ECD.Hydroxide =             50.0
           ; Pump_ECD.Recommended Current =   124
           ; Pump_ECD.Carbonate =             0.0
           ; Pump_ECD.Bicarbonate =           0.0
           ; Pump_ECD.Tetraborate =           0.0
           ; Pump_ECD.Other eluent =          0.0
           Suppressor_Current =               125 [mA]
           Flow =                             1.00 [ml/min]

-2.700     Pump_ECD_Relay_1.Open              Duration=0.01
           Concentration =                    10.00 [mM]
           Curve =                            5

-2.500     Pump_ECD_Relay_1.Closed            Duration=0.01

 0.000     Autozero
           ECD_1.AcqOn
           Pump_InjectValve.InjectPosition    Duration=720.00

 7.500     Concentration =                    10.00 [mM]
           Curve =                            5

10.500     Concentration =                    40.00 [mM]
           Curve =                            5

10.600     Concentration =                    50.00 [mM]
           Curve =                            5

12.500     Concentration =                    50.00 [mM]
           Curve =                            5

12.600     Concentration =                    10.00 [mM]
           Curve =                            5

13.000     Concentration =                    10.00 [mM]
```

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Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Curve =                          5

14.000     ECD_1.AcqOff
           End
```

Chromeleon © Dionex Corporation, Version 6.80 SP3 Build 2345 (128616)

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ
Timebase: ICS-8
Created: 3/20/2008 10:44:59 AM by kudlae
Changed: 3/31/2008 10:13:48 AM by kudlae

No.	Channel	Operation	Parameters

Title: Stop
Datasource: D3YCYMF1_local Created: 3/11/2008 4:10:47 PM by Test America Labs
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ
Timebase: ICS-8 Changed: 3/11/2008 4:10:47 PM by Test America Labs

```
           ColumnTemperature =                Off
           CellTemperature.Nominal =          Off
; Pump_ECD.Hydroxide =                        50.0
; Pump_ECD.Recommended Current =              124
; Pump_ECD.Carbonate =                        0.0
; Pump_ECD.Bicarbonate =                      0.0
; Pump_ECD.Tetraborate =                      0.0
; Pump_ECD.Other eluent =                     0.0
           Pressure.LowerLimit =              200
           Pressure.UpperLimit =              3000
           %A.Equate =                        "DI H2O"
           CR_TC =                            Off
           ;LoadPosition
           Data_Collection_Rate =             5.0
           Suppressor_Type =                  ASRS_4mm
           Suppressor_Current =               124
           Suppressor_Mode =                  Off
           ECD_Total.Step =                   0.50
           ECD_Total.Average =                Off
           Channel_Pressure.Step =            0.50
           Channel_Pressure.Average =         Off

           Pump_ECD_Relay_1.Open
           Concentration =                    10.00
           Curve =                            5

           Pump_ECD_Relay_1.State             Open
           Mode =                             Off
           Flow =                             1.00

 0.000     off

           End
```

Chromeleon © Dionex Corporation, Version 6.80 SP3 Build 2345 (128616)

Title: Stop
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ
Timebase: ICS-8
Created: 3/11/2008 4:10:47 PM by Test America Labs
Changed: 3/11/2008 4:10:47 PM by Test America Labs

No.	Channel	Operation	Parameters

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

Blank Run Subtraction: No Blank Run Subtraction

Detection Table:

No.	Ret. Time [min]	Param. Name	Param. Value	Channel
1	0.000	Minimum Area	0.5E-3 "[Signal]*min"	All Channels
2	0.000	Sensitivity	0.8E-3 "[Signal]"	All Channels
3	0.000	Inhibit Integration	On	All Channels
4	0.000	Valley to Valley	On	All Channels
5	0.000	Fronting Sensitivity Factor	5.0	All Channels
6	0.000	Tailing Sensitivity Factor	6.0	All Channels
7	1.500	Void Volume Treatment	On	All Channels
8	1.500	Inhibit Integration	Off	All Channels
9	1.800	Void Volume Treatment	Off	All Channels
10	2.000	Maximum Width	0.75 min	All Channels
11	8.200	Inhibit Integration	On	All Channels
12	11.000	Inhibit Integration	Off	All Channels

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Group	Comment	Amount BLK	Amount cal1
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*		*Autogenerated*	*0.000000*	*0.200000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.000000
3	Chloride	3.200 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
5	Bromide	6.200 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
6	Nitrate	6.800 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
7	Sulfate	11.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Amount cal2	Amount cal3	Amount cal4	Amount cal5	Amount cal6
1	*Fluoride*	*1.900 min*	*0.500000*	*1.000000*	*4.000000*	*8.000000*	*10.000000*
2	Acetate	2.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
3	Chloride	3.200 min	2.500000	5.000000	20.000000	40.000000	50.000000
4	Nitrite	3.800 min	0.500000	1.000000	4.000000	8.000000	10.000000
5	Bromide	6.200 min	0.500000	1.000000	4.000000	8.000000	10.000000
6	Nitrate	6.800 min	0.500000	1.000000	4.000000	8.000000	10.000000
7	Sulfate	11.300 min	2.500000	5.000000	20.000000	40.000000	50.000000
8	Ortho as P	12.600 min	0.500000	1.000000	4.000000	8.000000	10.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Left Limit	Right Limit	Group	Resp.Fact.
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*	*0.000*	*0.000*		*1.000000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
3	Chloride	3.200 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
5	Bromide	6.200 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
6	Nitrate	6.800 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
7	Sulfate	11.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Comment
1	*Fluoride*	*1.900 min*	*Autogenerated*
2	Acetate	2.700 min	Autogenerated
3	Chloride	3.200 min	Autogenerated
4	Nitrite	3.800 min	Autogenerated
5	Bromide	6.200 min	Autogenerated
6	Nitrate	6.800 min	Autogenerated
7	Sulfate	11.300 min	Autogenerated
8	Ortho as P	12.600 min	Autogenerated

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Smp.No.	Pos.	Inj. Vol.	Weight	ISTD Amount	Dil. Factor	Inj. Date/Time	Sample Comment
1	☒	cal1	2	151	10.0	1.0000	1.0000	1.0000	6/25/2012 10:5	EMK
2	☒	cal2	3	151	10.0	1.0000	1.0000	1.0000	6/25/2012 11:1	EMK
3	☒	cal3	4	151	10.0	1.0000	1.0000	1.0000	6/25/2012 11:2	EMK
4	☒	cal4	5	151	10.0	1.0000	1.0000	1.0000	6/25/2012 11:4	EMK
5	☒	cal5	6	151	10.0	1.0000	1.0000	1.0000	6/25/2012 12:0	EMK
6	☒	cal6	7	151	10.0	1.0000	1.0000	1.0000	6/25/2012 12:1	EMK

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Calib.	Comment
1	☒	cal1	Ok	
2	☒	cal2	Ok	
3	☒	cal3	Ok	
4	☒	cal4	Ok	
5	☒	cal5	Ok	
6	☒	cal6	Ok	

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

System Suitability Test:

No.	Name	Sample Condition	Test Condition	Aggregate	Operator	Value	Channel	Peak	N.A.
1									

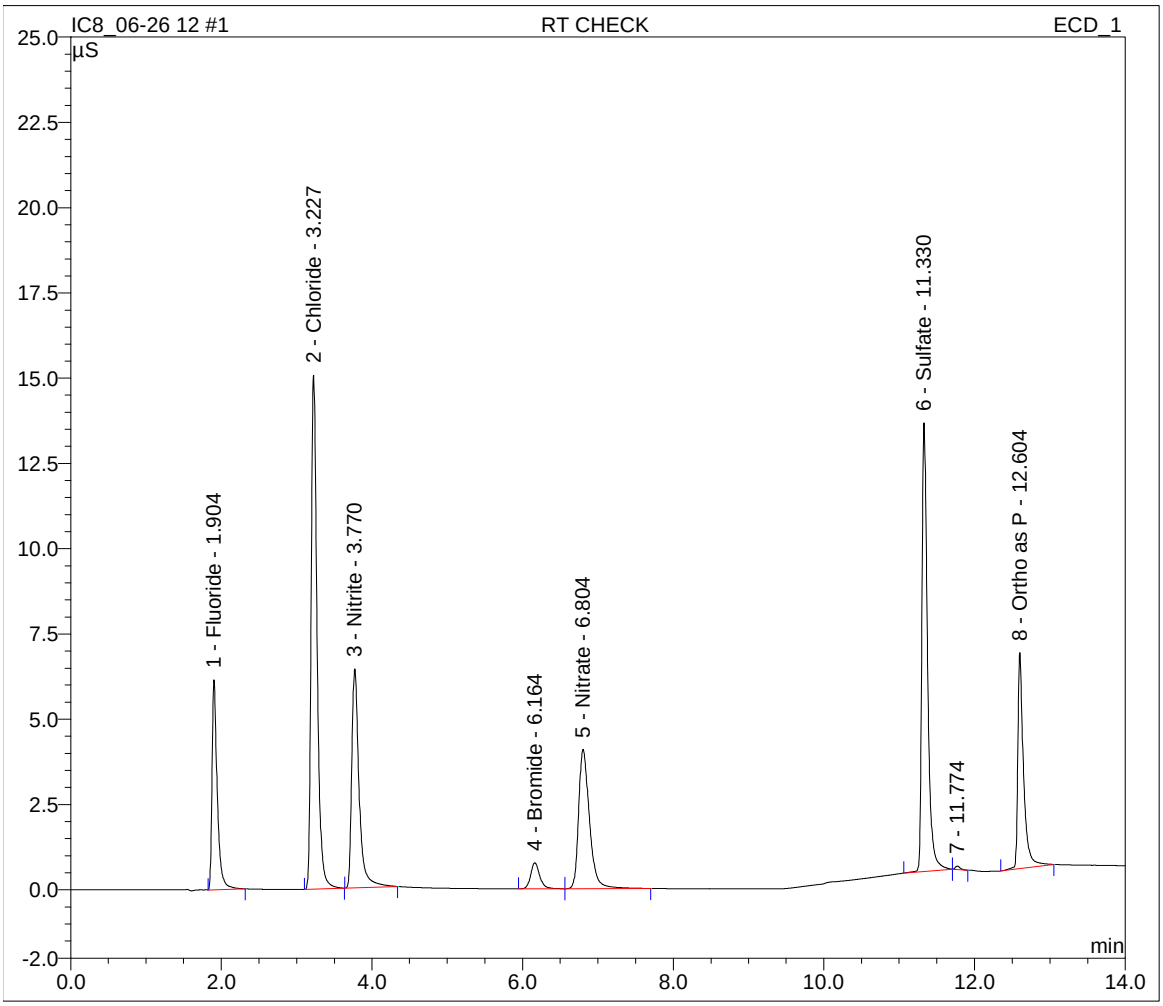
Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

System Suitability Test:

No.	Name	Fail-Action	Result	SST Message	Rounding
1					

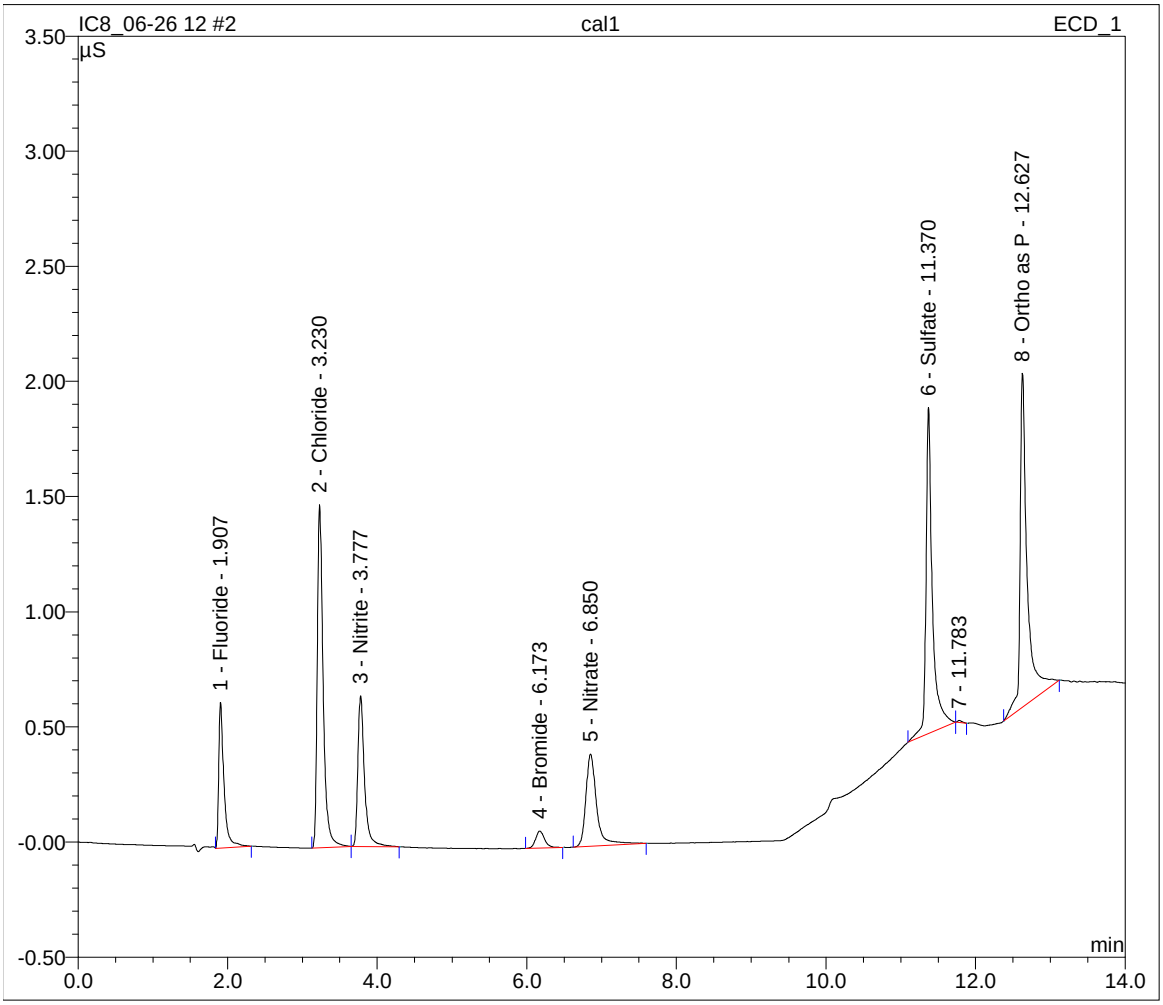
Sample Name:	**RT CHECK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 10:39**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	0.496	6.147	2.0713
2	3.23	Chloride	BMB	1.376	15.070	9.9785
3	3.77	Nitrite	BMB	0.723	6.427	2.0203
4	6.16	Bromide	BMB	0.106	0.761	1.8482
5	6.80	Nitrate	BMB	0.681	4.080	1.9432
6	11.33	Sulfate	BMb	1.158	13.153	10.2101
8	12.60	Ortho as P	BMB	0.565	6.336	2.2661
		TOTAL:		5.11	51.97	30.34



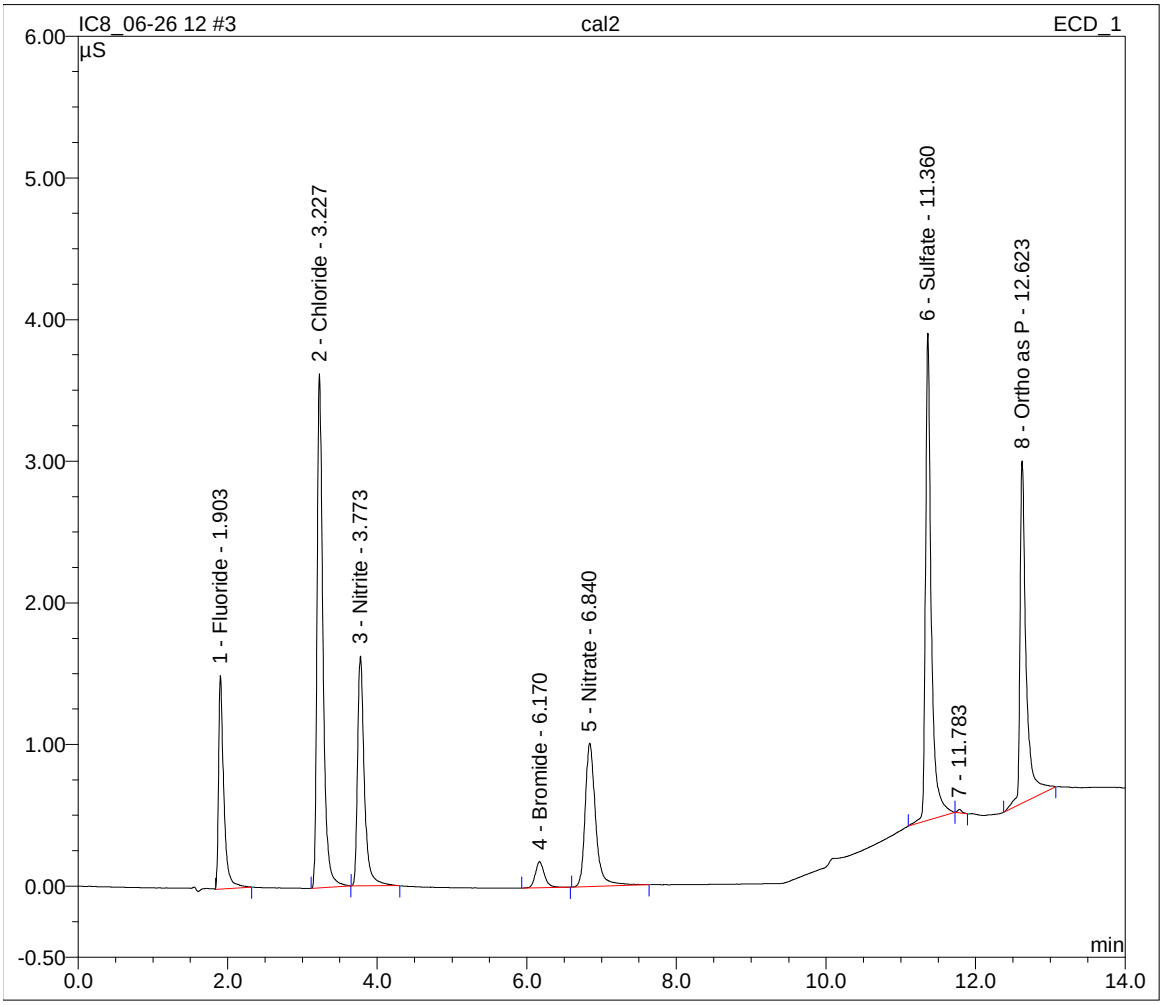
Sample Name:	**cal1**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 10:55**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.052	0.632	0.1948
2	3.23	Chloride	BMB	0.137	1.490	1.0358
3	3.78	Nitrite	BMB	0.068	0.655	0.2071
4	6.17	Bromide	BMB	0.010	0.074	0.2195
5	6.85	Nitrate	BMB	0.067	0.401	0.2132
6	11.37	Sulfate	BMb	0.140	1.416	0.9943
8	12.63	Ortho as P	BMB	0.159	1.450	0.1644
		TOTAL:		0.63	6.12	3.03



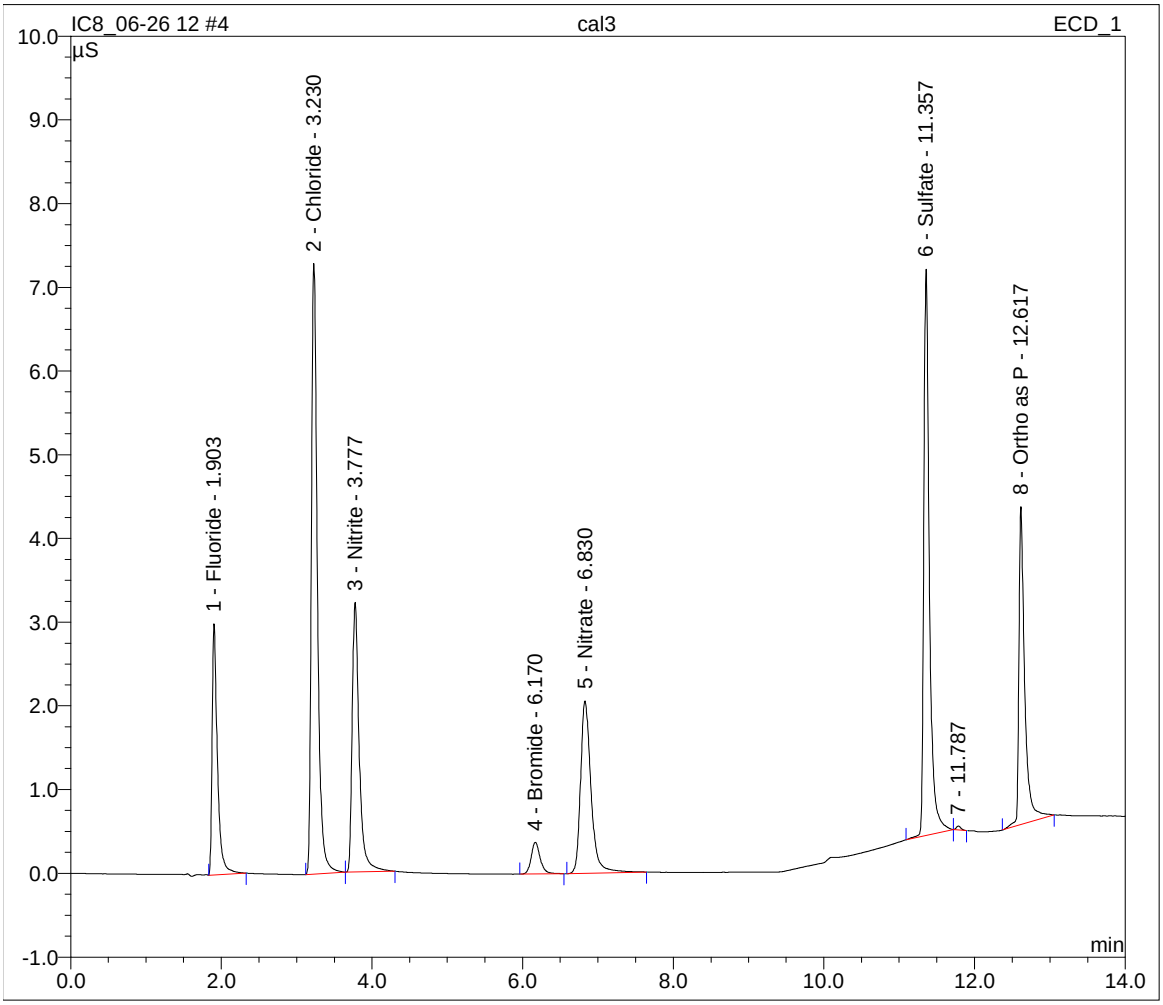
Sample Name:	**cal2**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 11:12**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	0.123	1.507	0.4958
2	3.23	Chloride	BMB	0.334	3.627	2.4627
3	3.77	Nitrite	BMB	0.170	1.622	0.4901
4	6.17	Bromide	BMB	0.026	0.184	0.4870
5	6.84	Nitrate	BMB	0.164	1.011	0.4857
6	11.36	Sulfate	BMb	0.306	3.439	2.4923
8	12.62	Ortho as P	BMB	0.230	2.416	0.5278
		TOTAL:		1.35	13.81	7.44



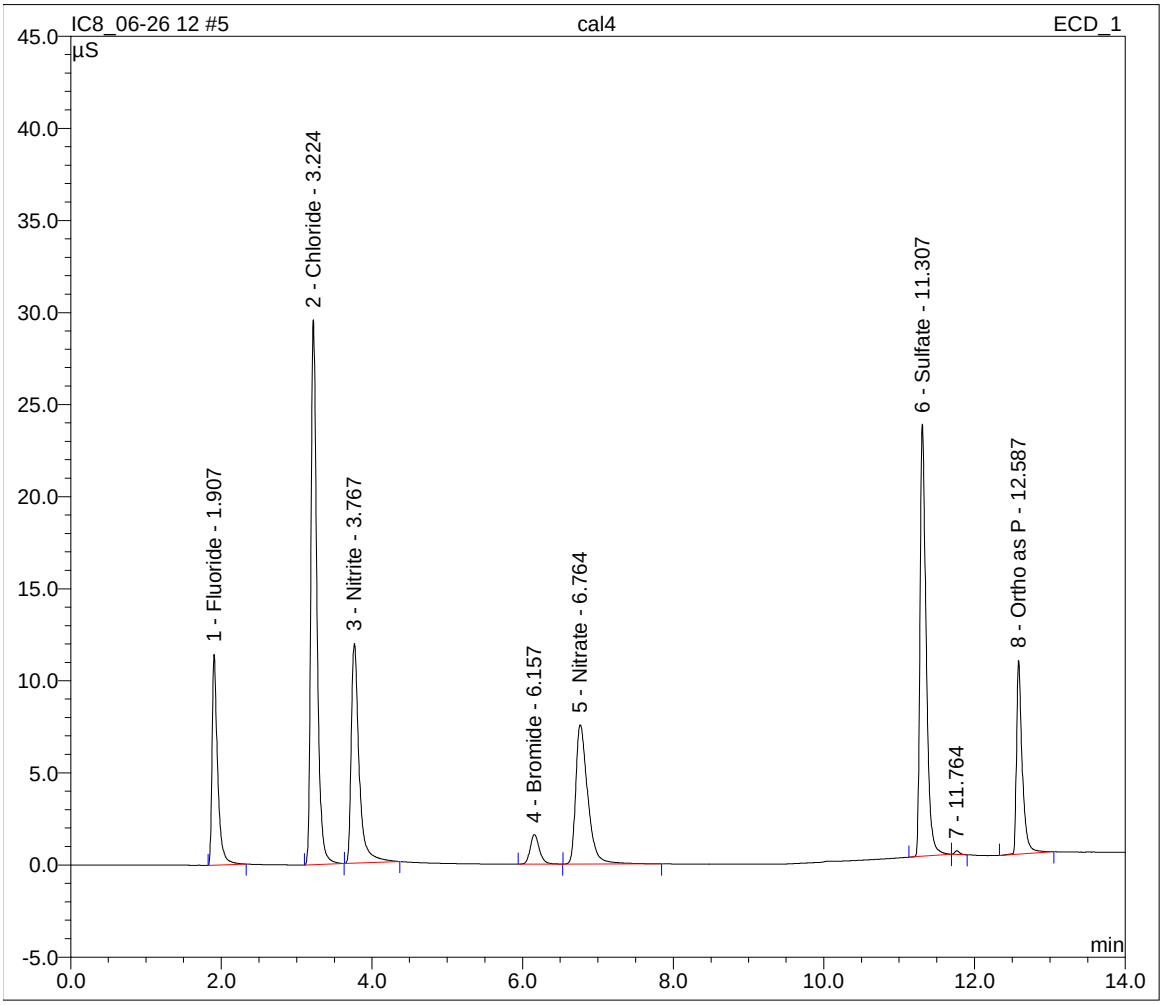
Sample Name:	**cal3**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 11:29**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	0.247	3.002	1.0171
2	3.23	Chloride	BMb	0.671	7.294	4.8939
3	3.78	Nitrite	bMB	0.345	3.220	0.9757
4	6.17	Bromide	BMB	0.053	0.378	0.9365
5	6.83	Nitrate	BMB	0.333	2.056	0.9612
6	11.36	Sulfate	BMb	0.584	6.767	5.0132
8	12.62	Ortho as P	BMB	0.341	3.800	1.1054
		TOTAL:		2.57	26.52	14.90



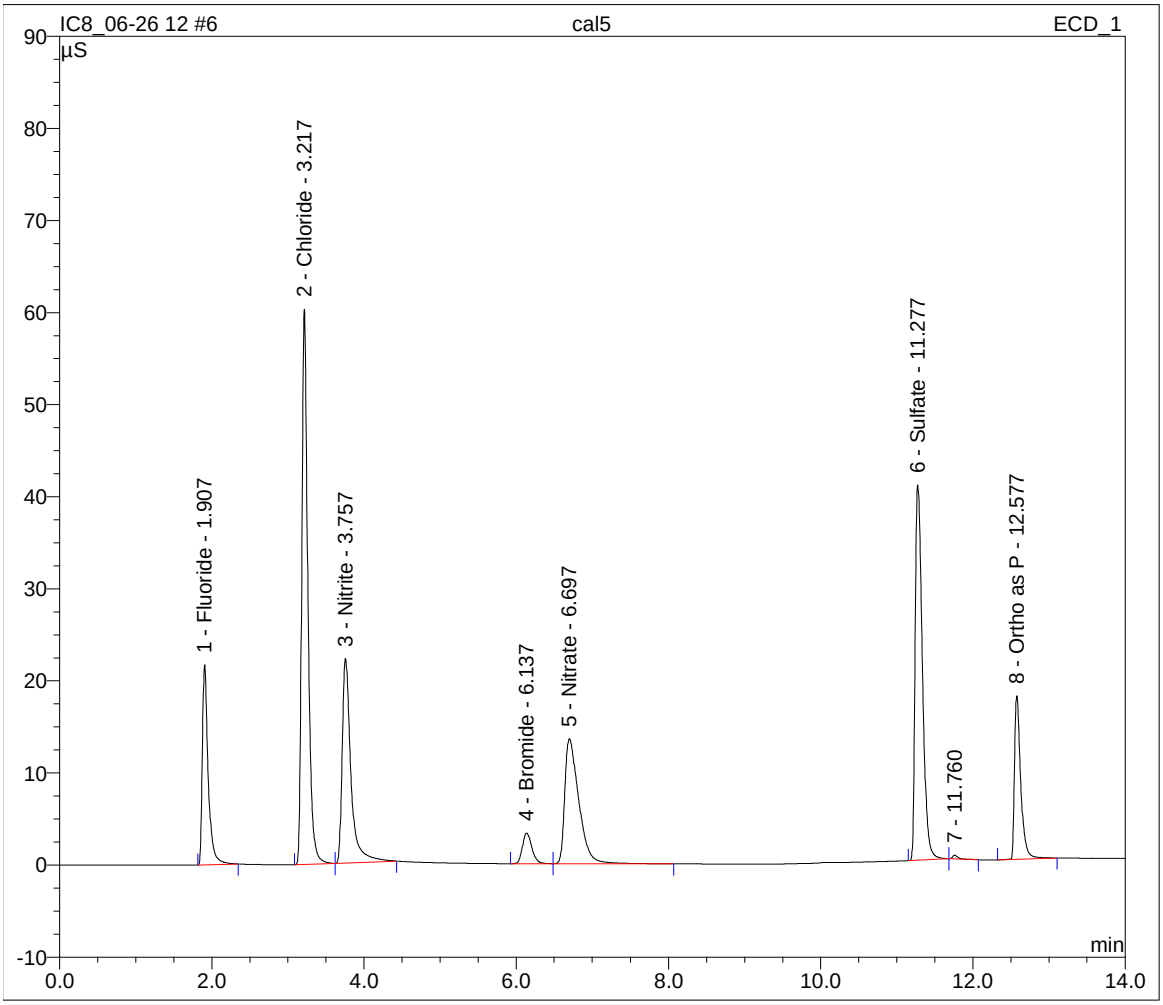
Sample Name:	**cal4**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 11:46**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.976	11.448	4.0991
2	3.22	Chloride	BMB	2.738	29.605	19.8084
3	3.77	Nitrite	BMB	1.441	11.950	4.0055
4	6.16	Bromide	BMB	0.226	1.597	3.8798
5	6.76	Nitrate	BMB	1.395	7.541	3.9535
6	11.31	Sulfate	BMb	2.248	23.462	20.0907
8	12.59	Ortho as P	BMB	0.933	10.518	4.1699
TOTAL:				9.96	96.12	60.01



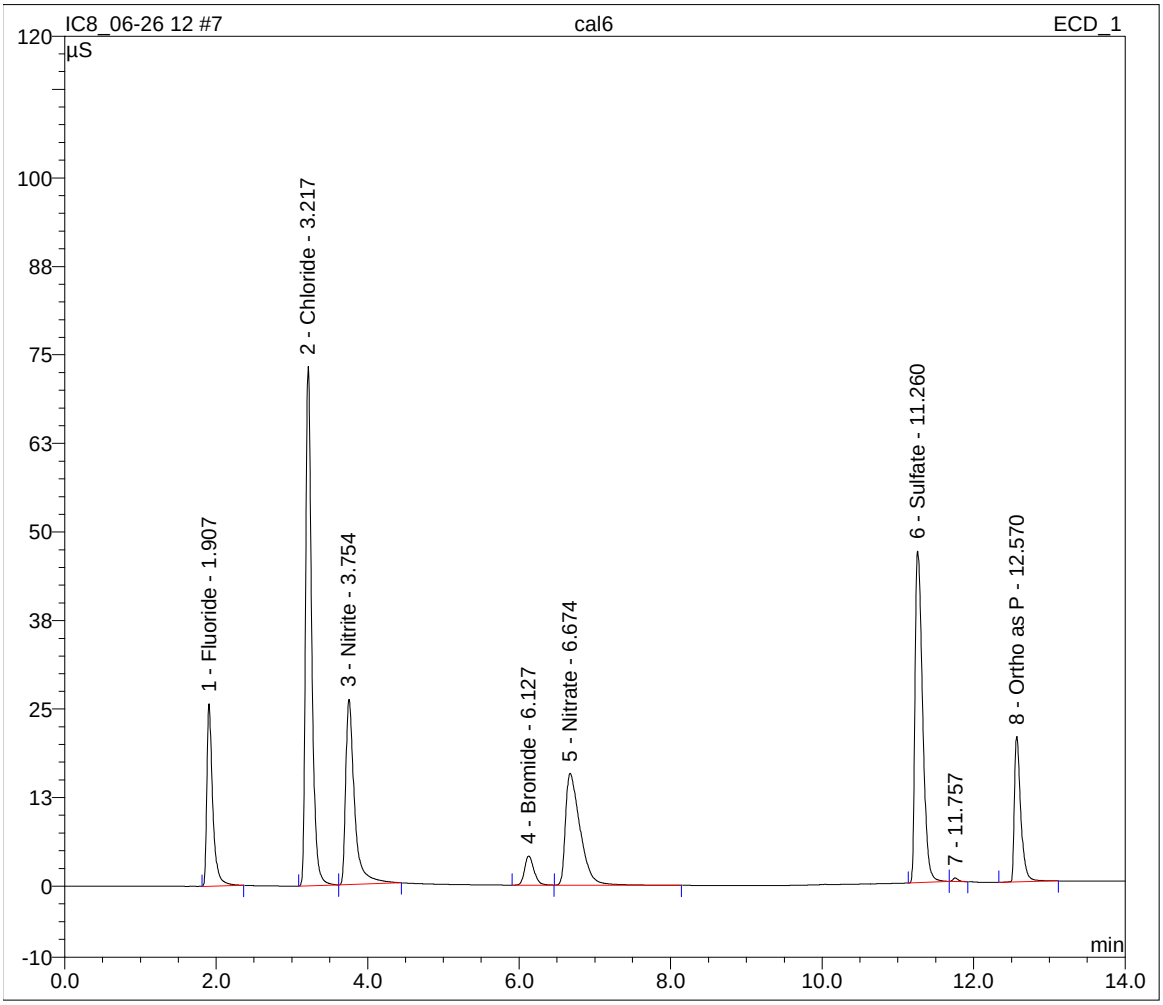
Sample Name:	**cal5**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 12:03**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.932	21.752	8.1384
2	3.22	Chloride	BMb	5.646	60.318	40.7971
3	3.76	Nitrite	bMB	2.956	22.236	8.1946
4	6.14	Bromide	BMB	0.479	3.332	8.1854
5	6.70	Nitrate	BMB	2.890	13.554	8.1660
6	11.28	Sulfate	BMb	4.522	40.748	40.6905
8	12.58	Ortho as P	BMB	1.681	17.748	8.0490
		TOTAL:		20.11	179.69	122.22



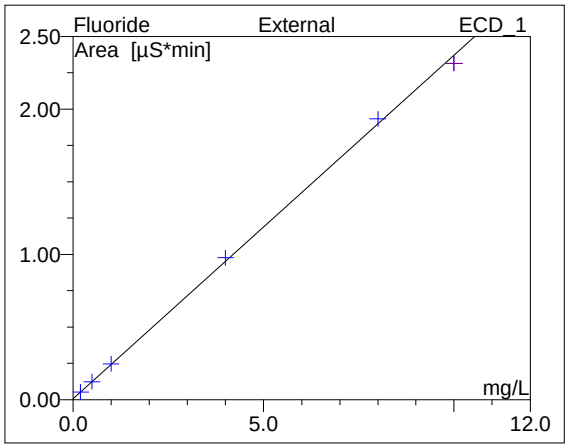
Sample Name:	**cal6**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 12:19**	*Run Time:*	**14.00**

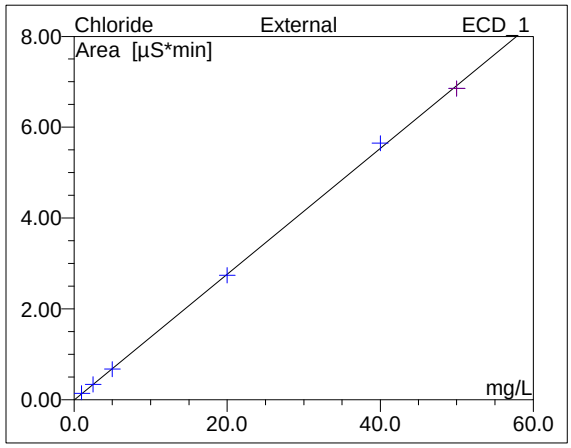
No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	2.315	25.717	9.7549
2	3.22	Chloride	BMb	6.852	73.288	49.5022
3	3.75	Nitrite	bMB	3.546	26.160	9.8269
4	6.13	Bromide	BMB	0.585	4.094	9.9919
5	6.67	Nitrate	BMB	3.513	15.766	9.9203
6	11.26	Sulfate	BMb	5.463	46.800	49.2191
8	12.57	Ortho as P	BMB	1.997	20.501	9.6835
		TOTAL:		24.27	212.33	147.90

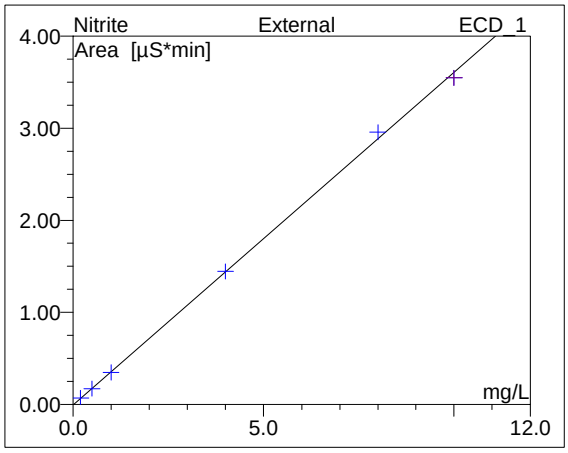


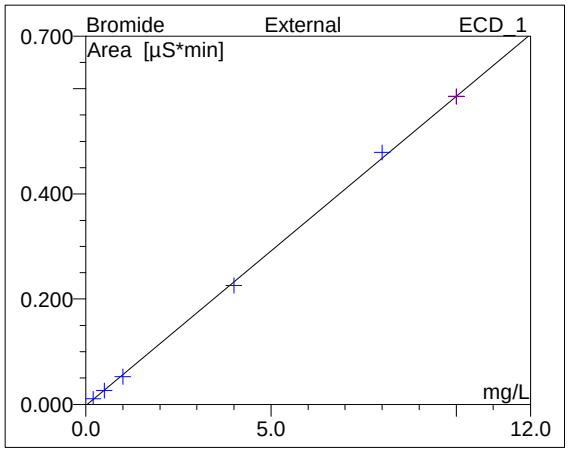
Calibration Batch Report

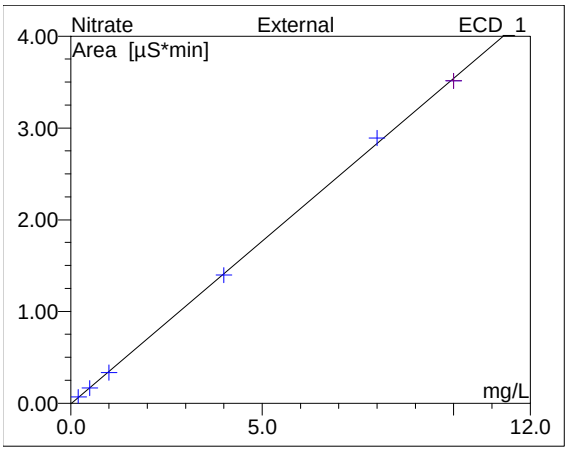
Sequence:	**IC8_06-26 12**	Inj. Vol.:	**10.0**
Program:	**7 Anion**	Operator:	**DENPC241**
Inj. Date/Time:	**06/25/12 12:19**	Run Time:	**14.00**

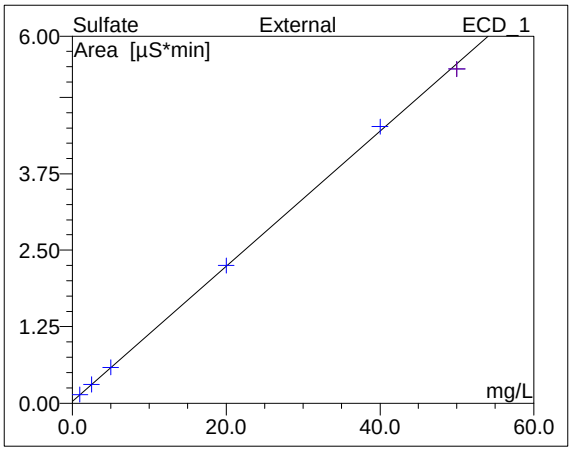




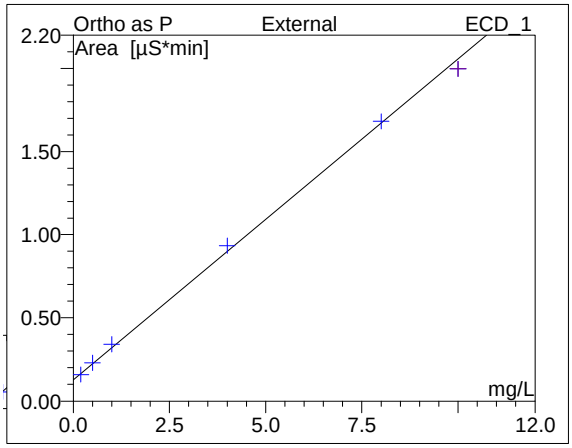








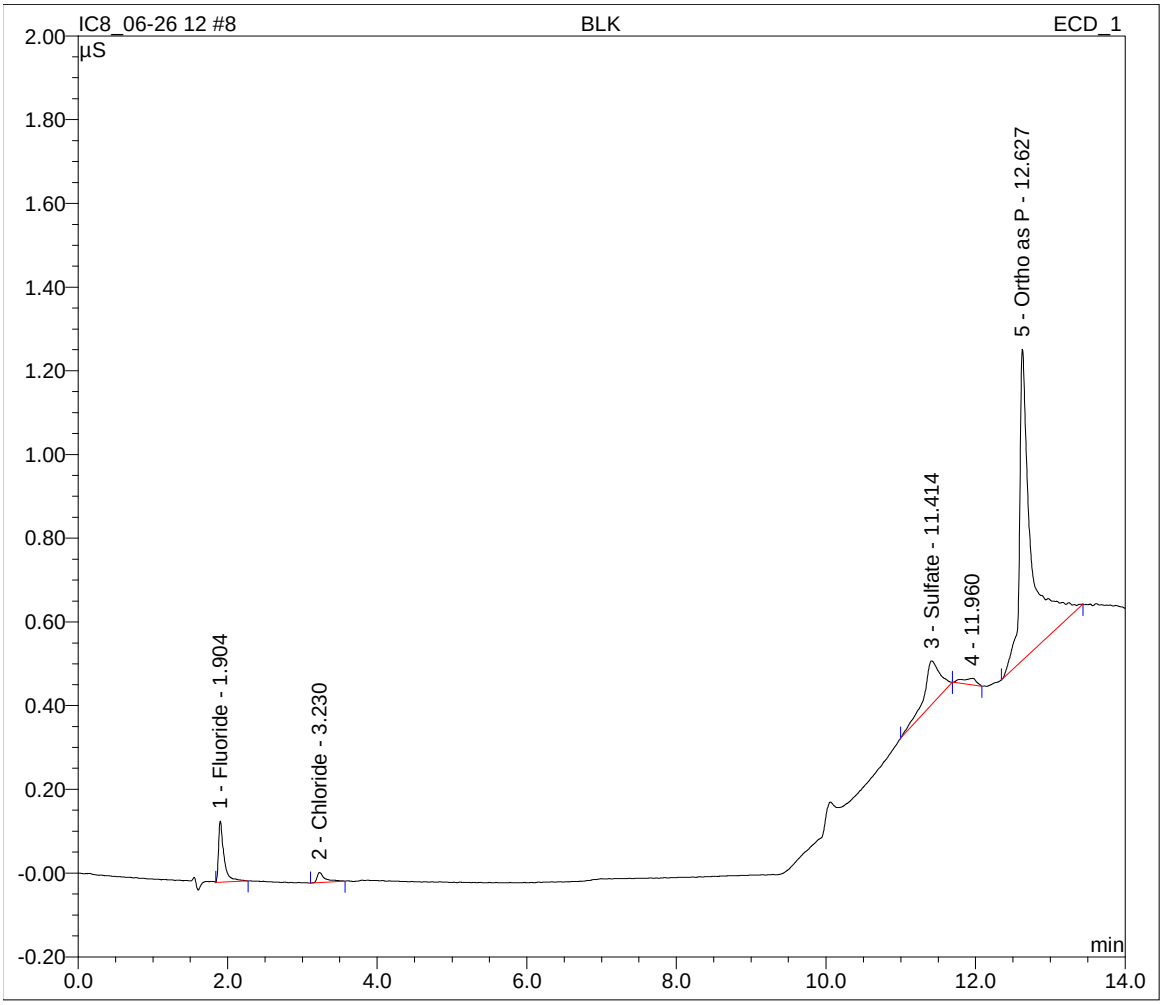
Program:	**7 Anion**	*Operator:*	**n.a.**
Ini. Date/Time:	**06/25/12 12:19**	*Run Time:*	**14.00**



No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
1	1.91	Fluoride	XLOff	6	0.006	0.237	0.000	99.971
2	3.22	Chloride	XLOff	6	-0.007	0.139	0.000	99.986
3	3.75	Nitrite	XLOff	6	-0.007	0.362	0.000	99.977
4	6.13	Bromide	XLOff	6	-0.003	0.059	0.000	99.964
5	6.67	Nitrate	XLOff	6	-0.009	0.355	0.000	99.981
6	11.26	Sulfate	XLOff	6	0.031	0.110	0.000	99.987
8	12.57	Ortho as P	XLOff	6	0.128	0.193	0.000	99.906
AVERAGE:					0.0199	0.2077	0.0000	99.9675

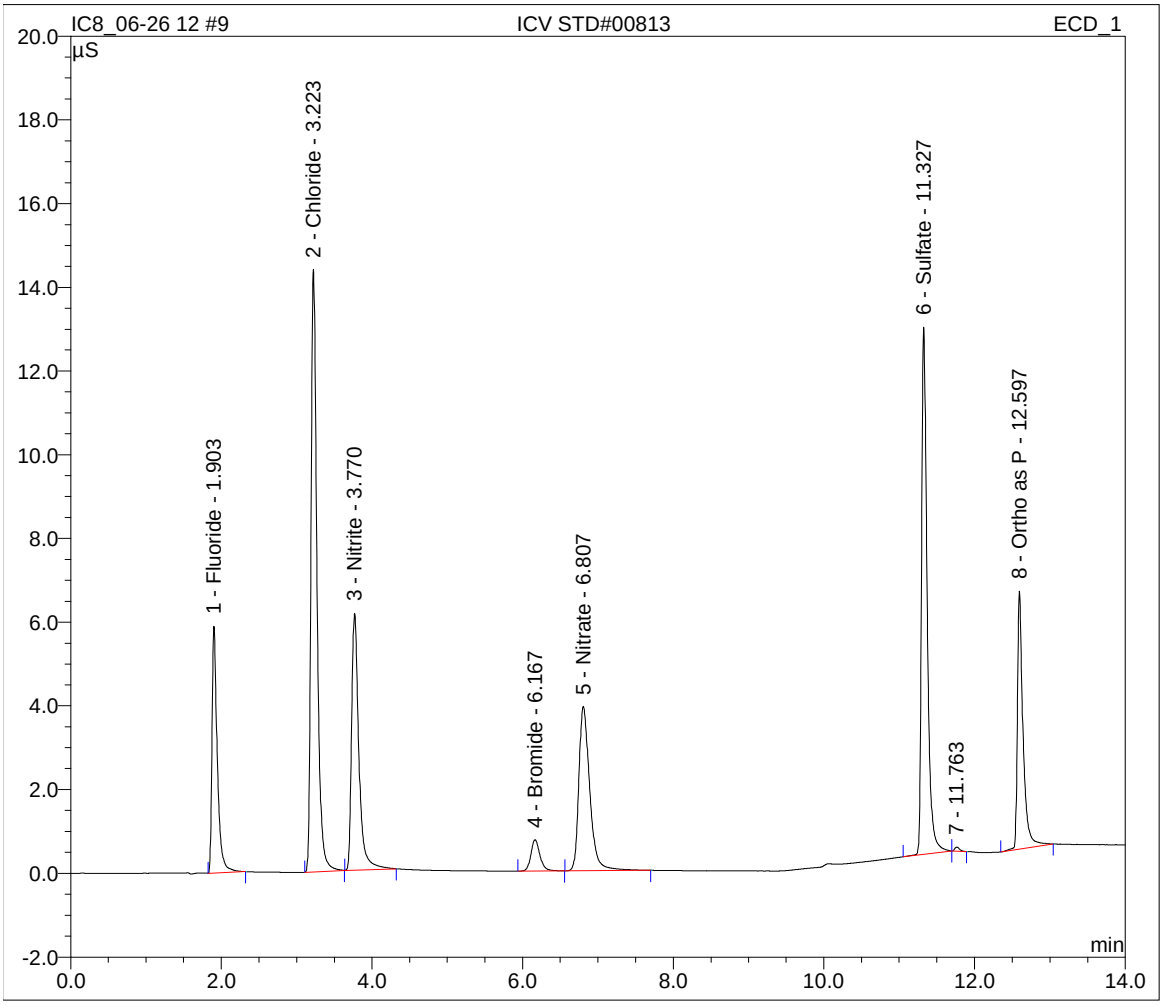
Sample Name:	**BLK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 12:36**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	0.012	0.146	0.0280
2	3.23	Chloride	BMB	0.003	0.024	0.0704
3	11.41	Sulfate	BMb	0.025	0.105	-0.0472
5	12.63	Ortho as P	BMB	0.138	0.743	0.0515
		TOTAL:		0.18	1.02	0.10



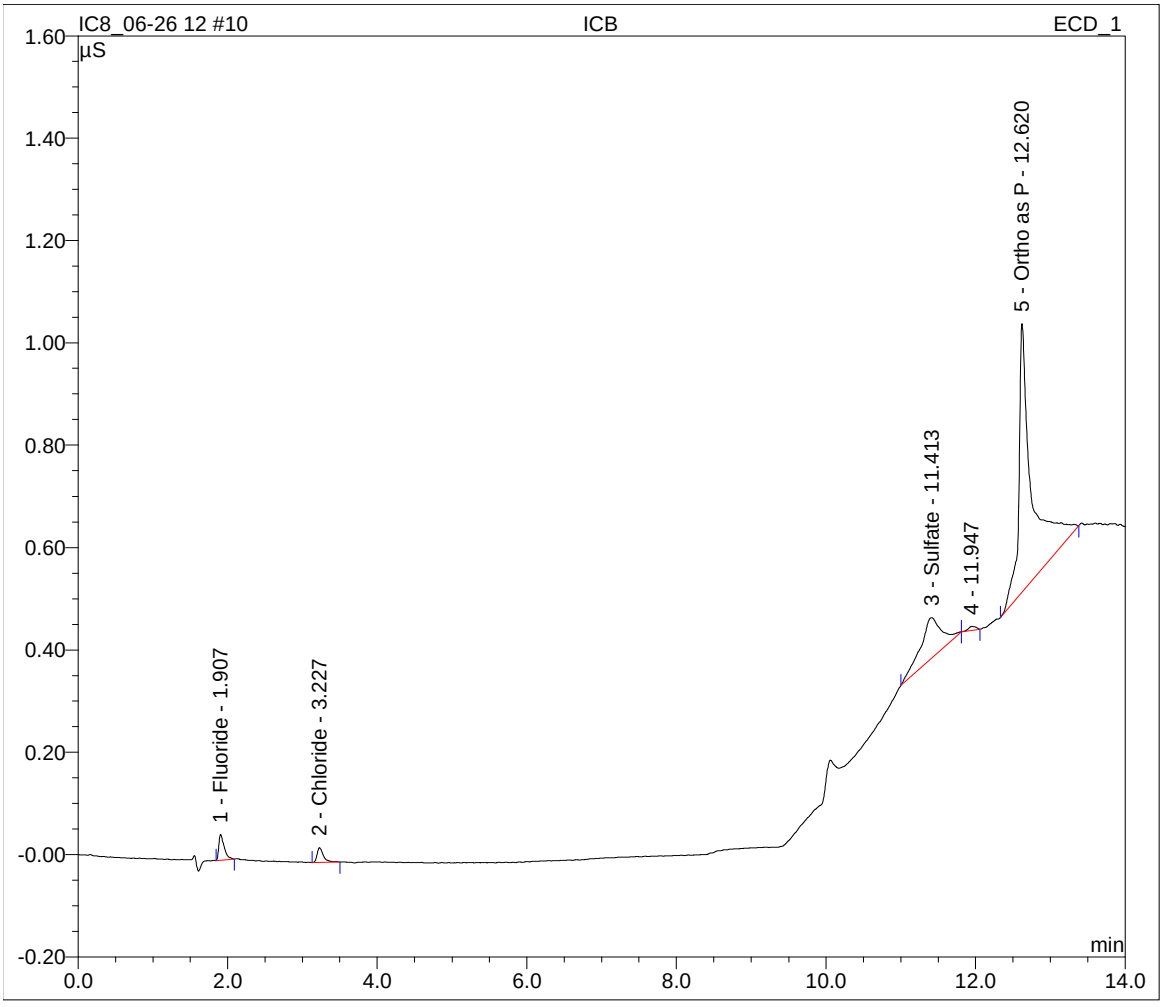
Sample Name:	**ICV STD#00813**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 13:15**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	0.484	5.901	2.0214
2	3.22	Chloride	BMB	1.322	14.391	9.5923
3	3.77	Nitrite	BMB	0.681	6.133	1.9036
4	6.17	Bromide	BMB	0.104	0.744	1.8126
5	6.81	Nitrate	BMB	0.660	3.923	1.8849
6	11.33	Sulfate	BMb	1.100	12.595	9.6847
8	12.60	Ortho as P	BMB	0.540	6.167	2.1356
		TOTAL:		4.89	49.85	29.04



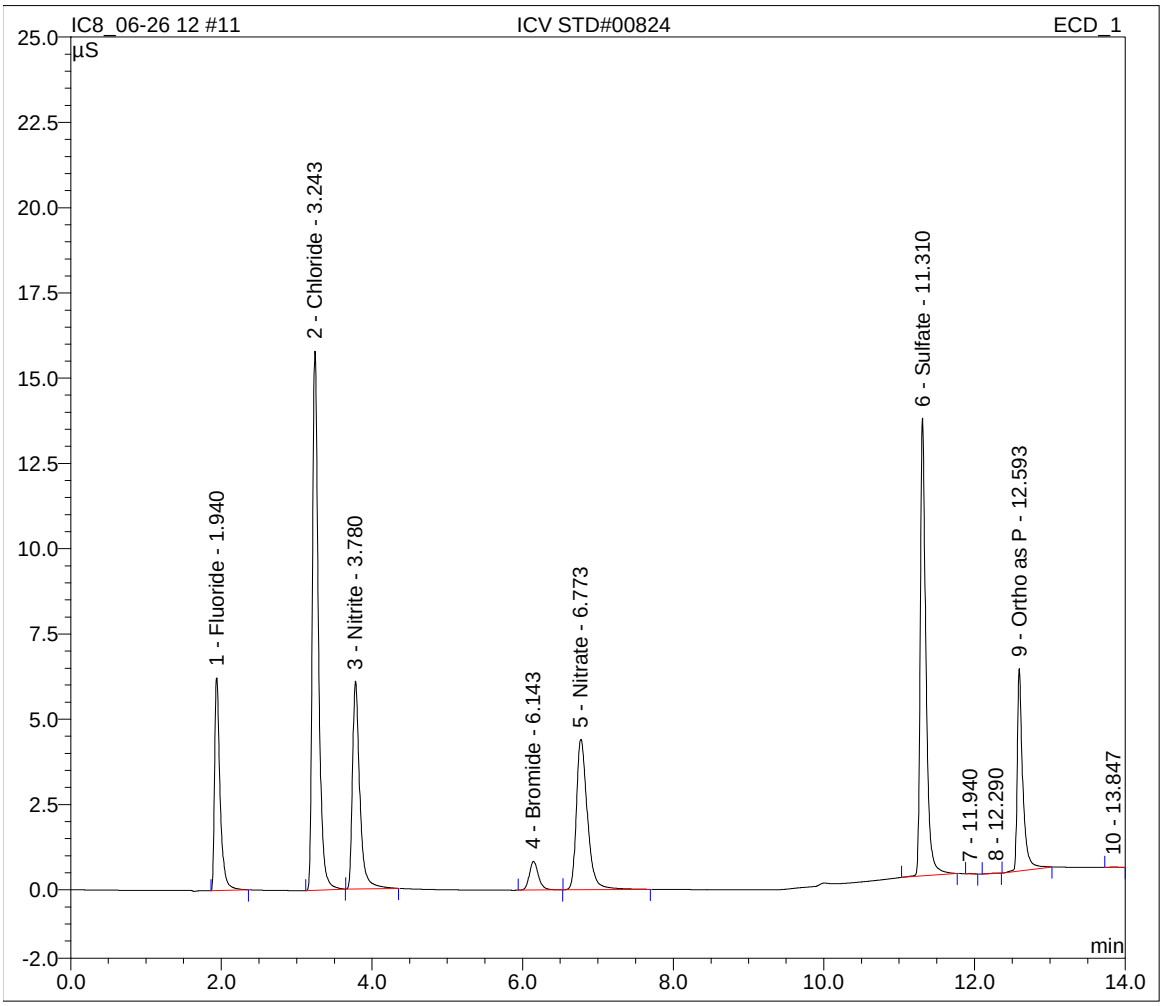
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 13:31**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.004	0.050	-0.0068
2	3.23	Chloride	BMB	0.003	0.029	0.0694
3	11.41	Sulfate	BMB	0.026	0.079	-0.0425
5	12.62	Ortho as P	BMB	0.108	0.526	-0.1028
		TOTAL:		0.14	0.68	-0.08



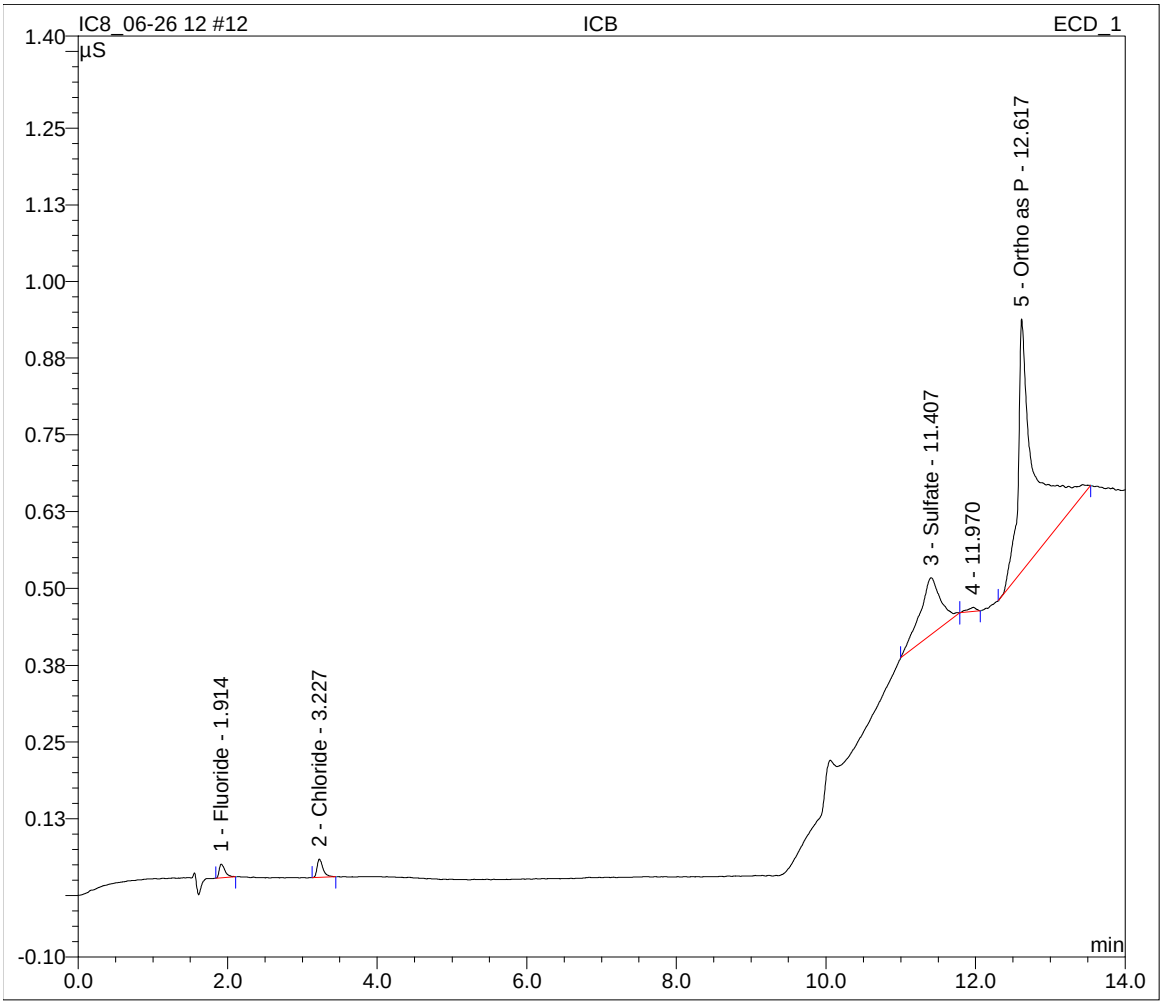
Sample Name:	**ICV STD#00824**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 08:48**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	0.522	6.244	2.1807
2	3.24	Chloride	BMB	1.466	15.809	10.6309
3	3.78	Nitrite	BMB	0.681	6.086	1.9045
4	6.14	Bromide	BMB	0.118	0.840	2.0460
5	6.77	Nitrate	BMB	0.747	4.402	2.1288
6	11.31	Sulfate	BMB	1.190	13.418	10.5059
9	12.59	Ortho as P	BMB	0.507	5.938	1.9645
TOTAL:				5.23	52.74	31.36



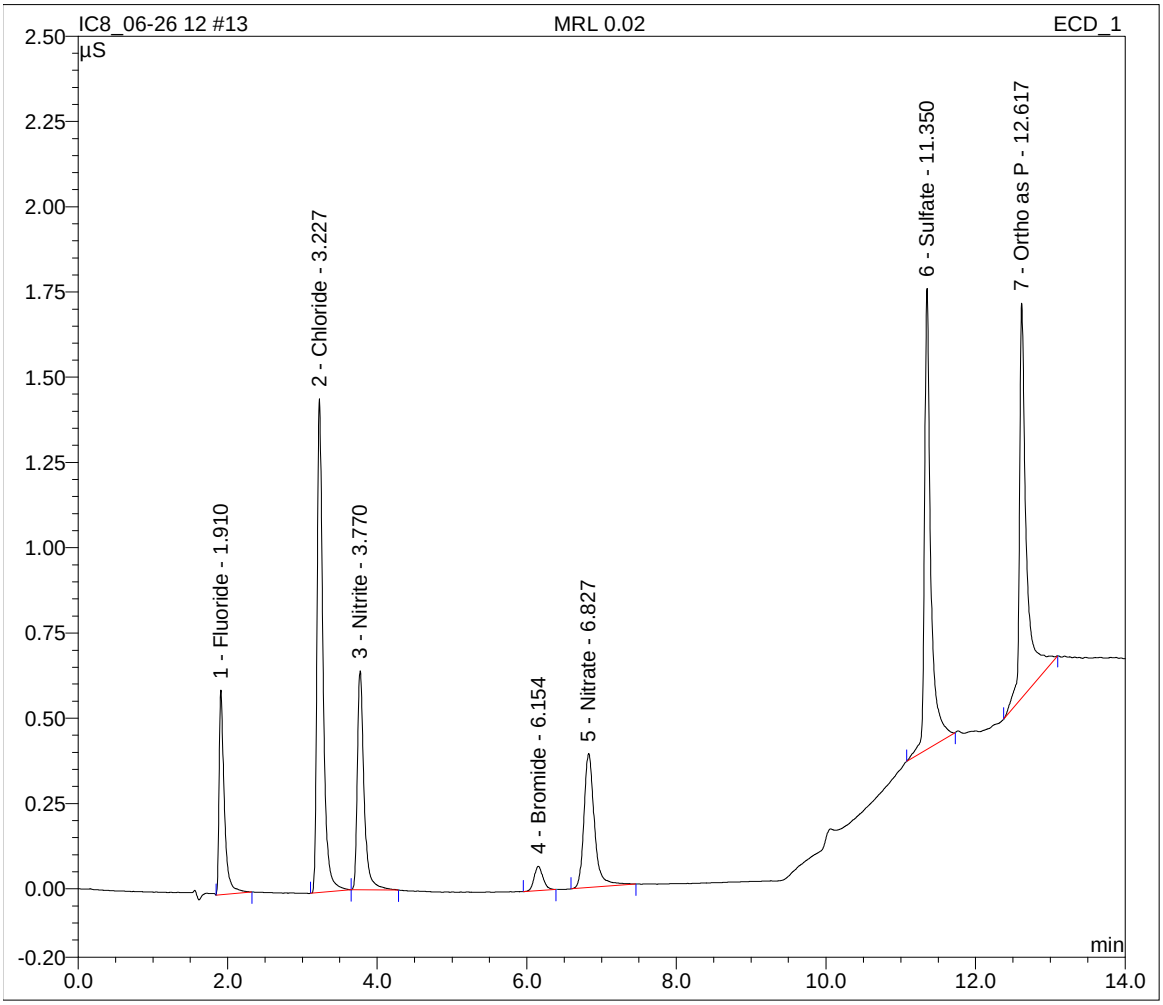
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 09:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.002	0.022	-0.0163
2	3.23	Chloride	BMB	0.003	0.030	0.0685
3	11.41	Sulfate	BMB	0.030	0.092	-0.0056
5	12.62	Ortho as P	BMB	0.108	0.412	-0.1021
TOTAL:				0.14	0.56	-0.06



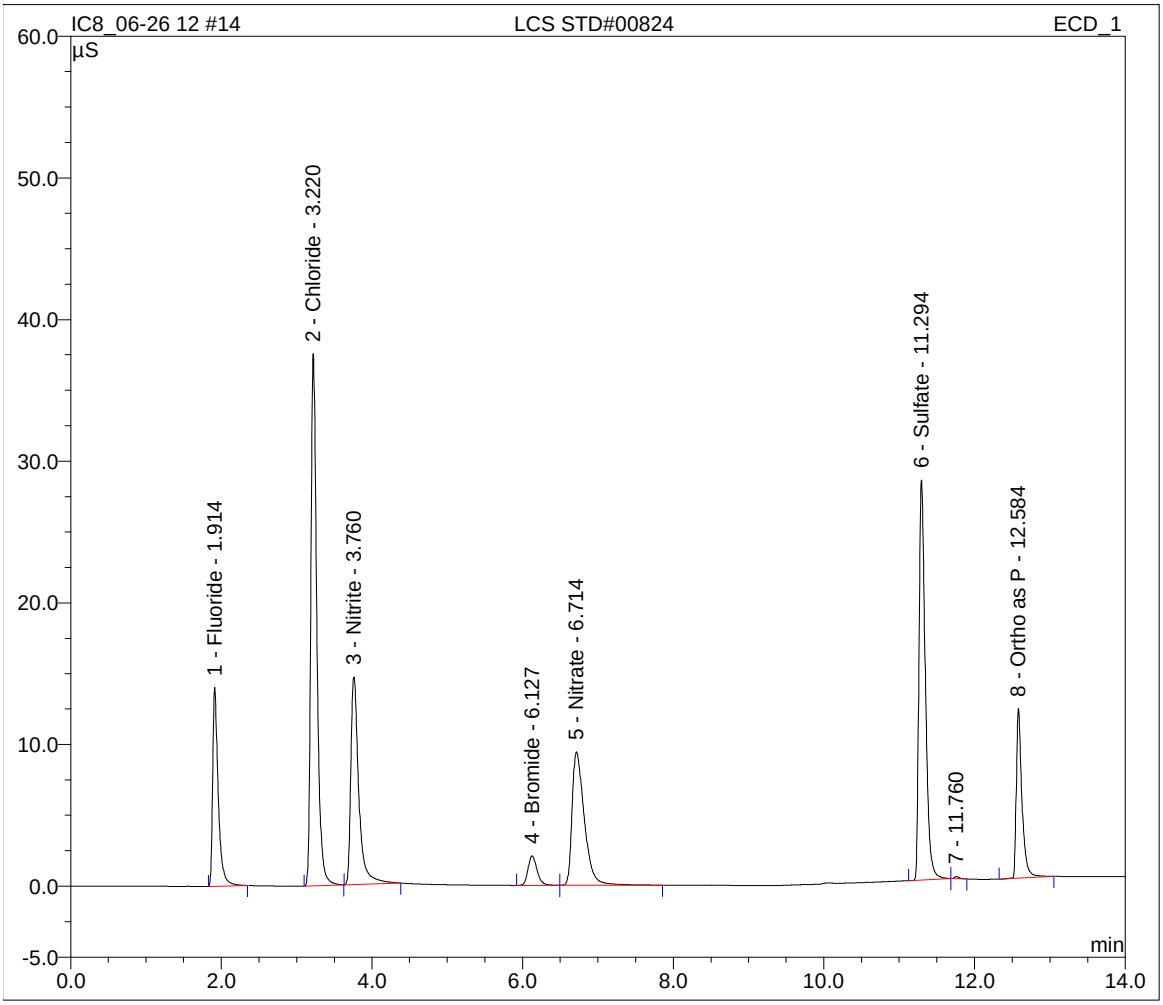
Sample Name:	**MRL 0.02**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 09:30**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.049	0.599	0.1815
2	3.23	Chloride	BMB	0.134	1.447	1.0154
3	3.77	Nitrite	BMB	0.066	0.643	0.2041
4	6.15	Bromide	BMB	0.010	0.072	0.2106
5	6.83	Nitrate	BMB	0.064	0.393	0.2043
6	11.35	Sulfate	BMB	0.130	1.352	0.8984
7	12.62	Ortho as P	BMB	0.125	1.158	-0.0140
		TOTAL:		0.58	5.66	2.70



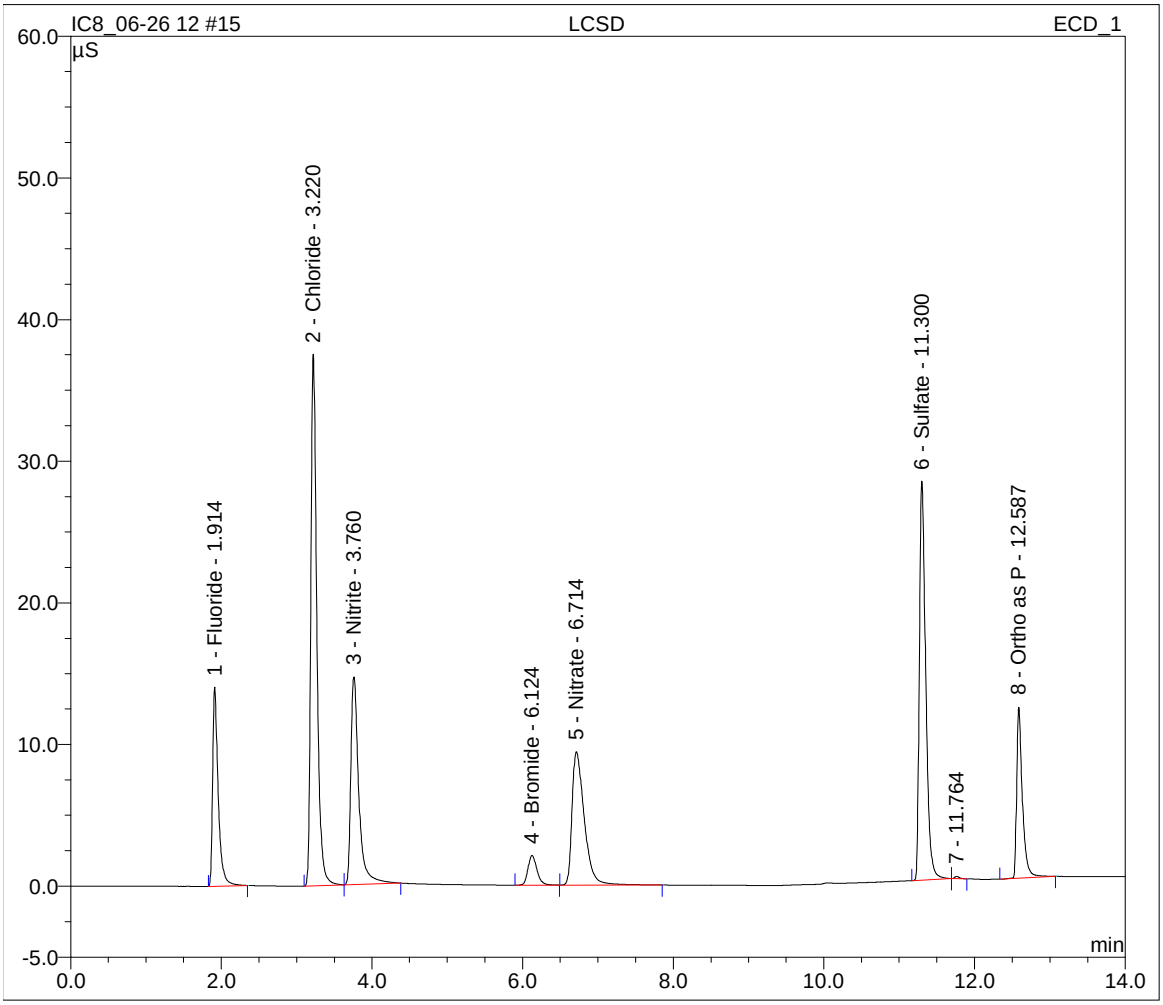
Sample Name:	**LCS STD#00824**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 09:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.203	14.030	5.0558
2	3.22	Chloride	BMB	3.467	37.549	25.0736
3	3.76	Nitrite	BMB	1.789	14.661	4.9694
4	6.13	Bromide	BMB	0.290	2.085	4.9660
5	6.71	Nitrate	BMB	1.768	9.404	5.0039
6	11.29	Sulfate	BMb	2.789	28.229	24.9910
8	12.58	Ortho as P	BMB	1.047	11.962	4.7622
		TOTAL:		12.35	117.92	74.82



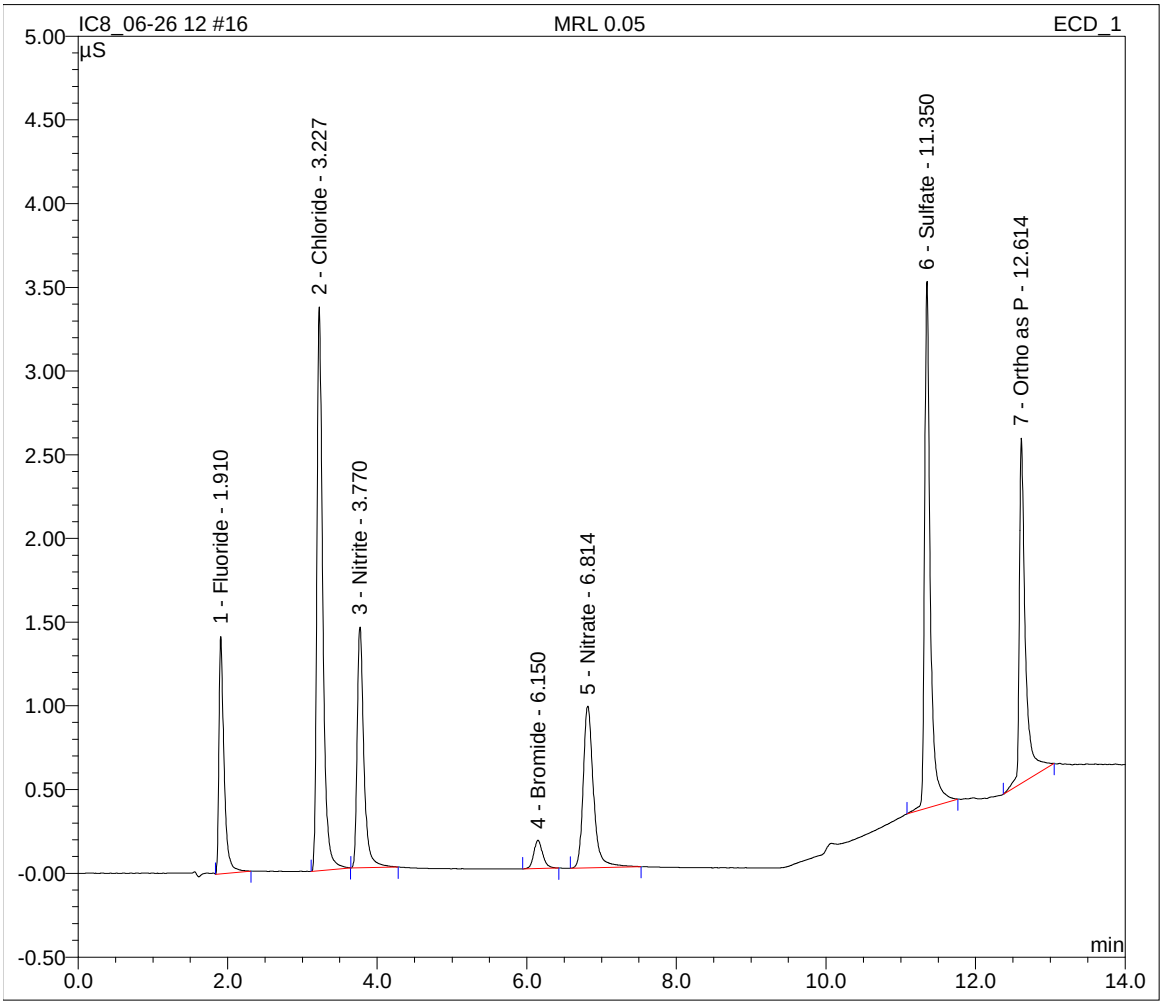
Sample Name:	**LCSD**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 10:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.203	14.040	5.0583
2	3.22	Chloride	BMB	3.465	37.514	25.0580
3	3.76	Nitrite	bMB	1.784	14.658	4.9529
4	6.12	Bromide	BMB	0.289	2.092	4.9639
5	6.71	Nitrate	BMB	1.768	9.408	5.0060
6	11.30	Sulfate	BMb	2.786	28.164	24.9674
8	12.59	Ortho as P	BMB	1.069	12.061	4.8786
		TOTAL:		12.37	117.94	74.89



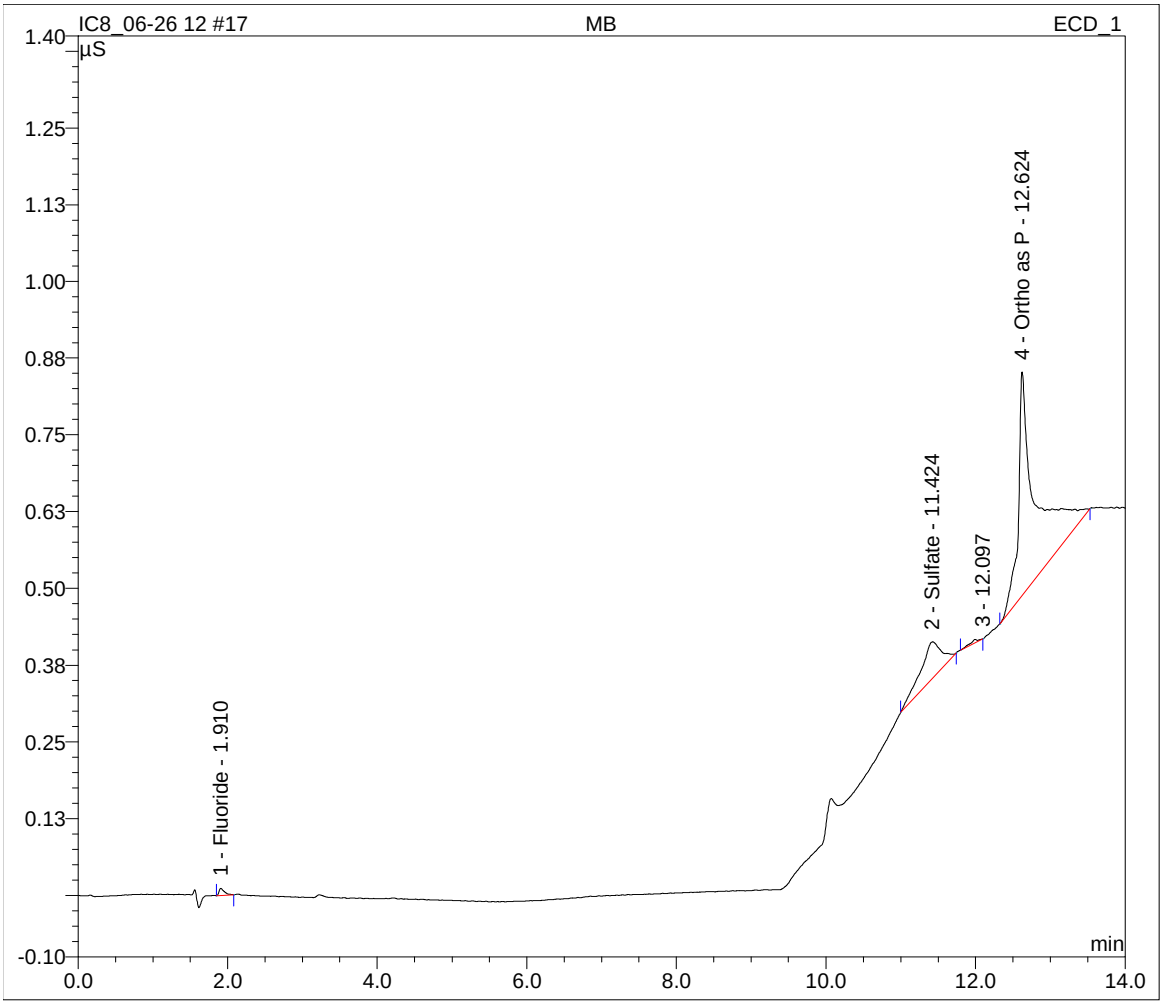
Sample Name:	**MRL 0.05**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 10:42**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.114	1.419	0.4551
2	3.23	Chloride	BMB	0.310	3.367	2.2890
3	3.77	Nitrite	BMB	0.149	1.439	0.4315
4	6.15	Bromide	BMB	0.023	0.169	0.4407
5	6.81	Nitrate	BMB	0.153	0.965	0.4558
6	11.35	Sulfate	BMB	0.275	3.146	2.2124
7	12.61	Ortho as P	BMB	0.194	2.062	0.3450
TOTAL:				1.22	12.57	6.63



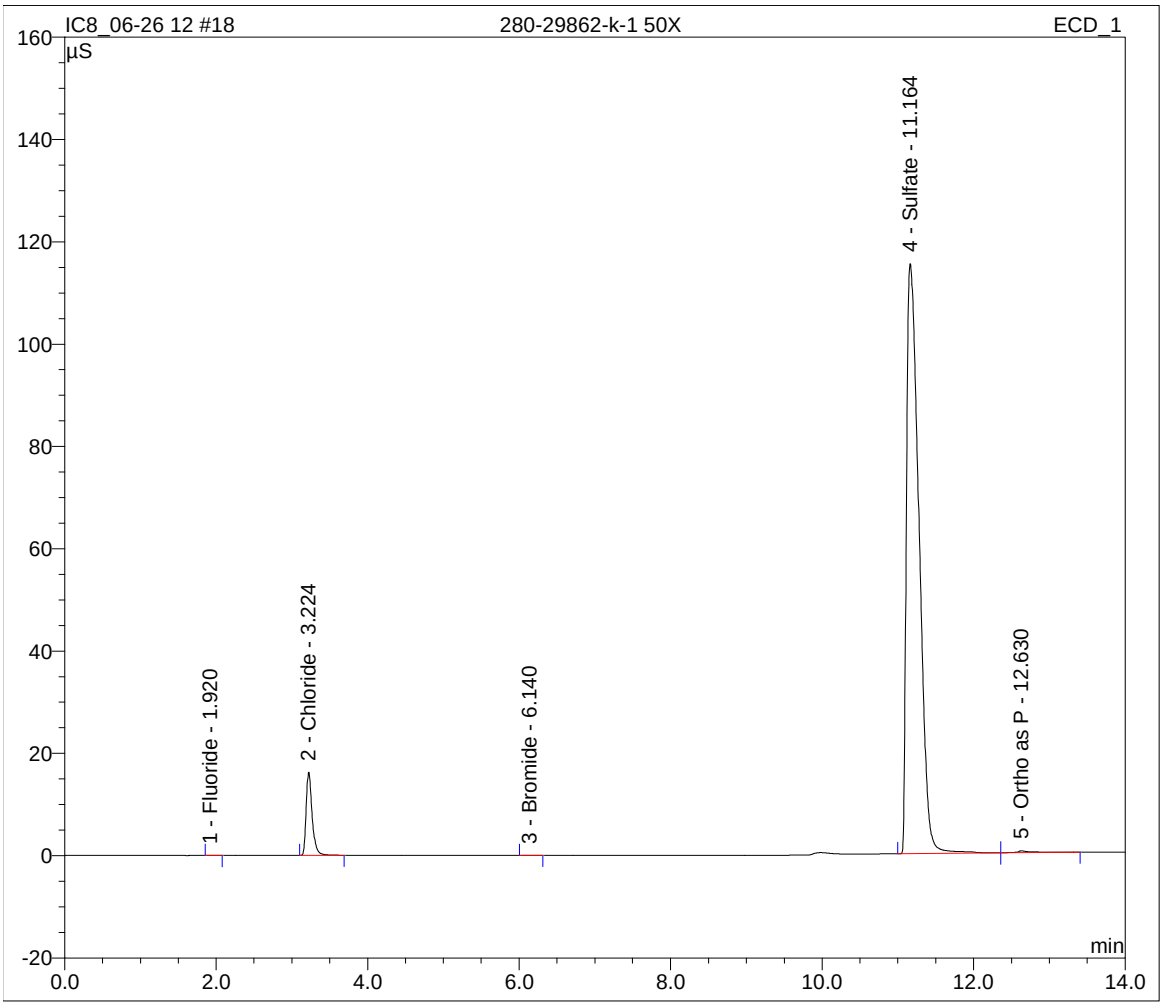
Sample Name:	**MB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 10:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.001	0.012	-0.0207
2	11.42	Sulfate	BMB	0.020	0.060	-0.1002
4	12.62	Ortho as P	BMB	0.099	0.364	-0.1467
		TOTAL:		0.12	0.44	-0.27



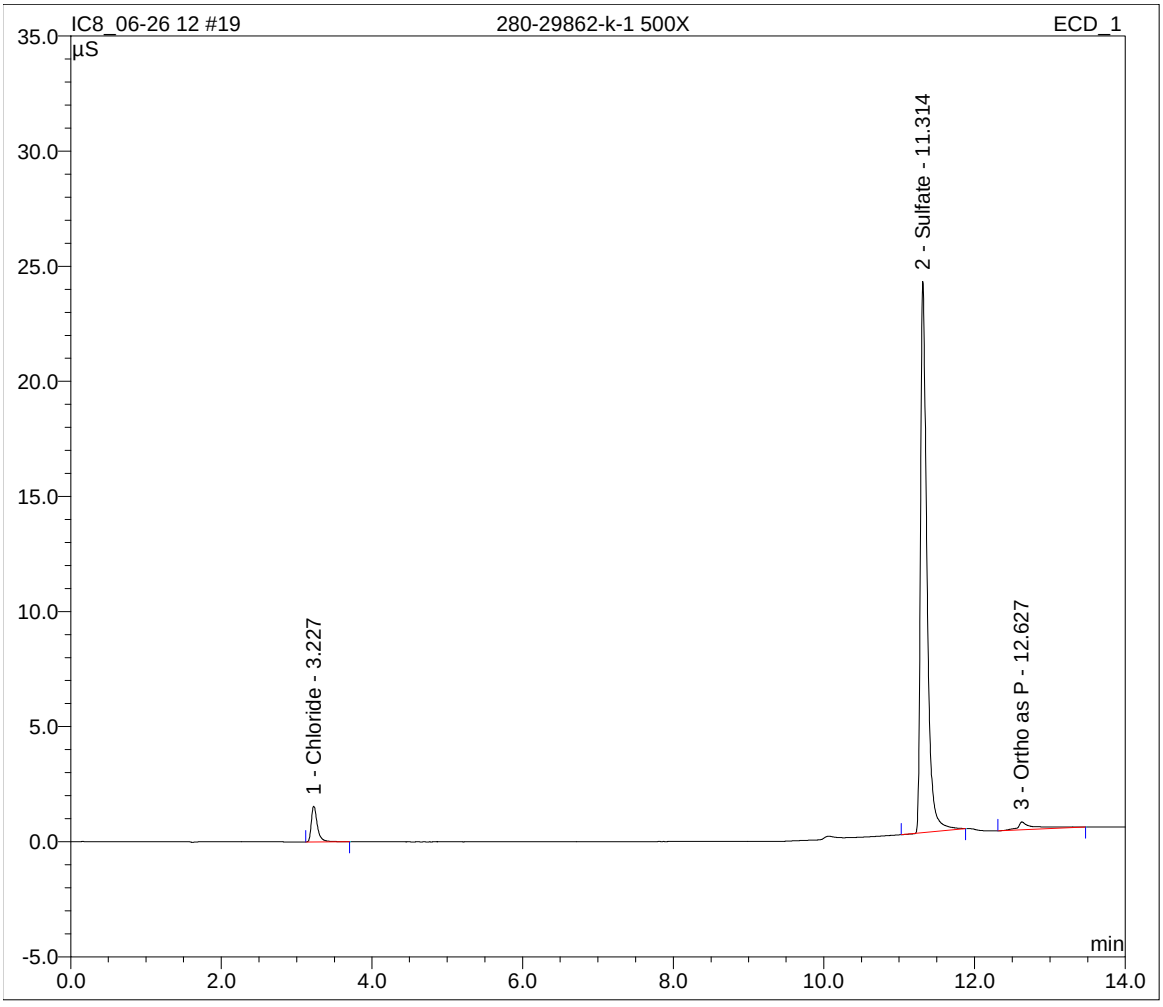
Sample Name:	**280-29862-k-1 50X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 11:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.001	0.011	-1.0295
2	3.22	Chloride	BMB	1.488	16.236	539.4495
3	6.14	Bromide	BMB	0.001	0.011	3.3836
4	11.16	Sulfate	BMB	22.028	115.371	9965.2394
5	12.63	Ortho as P	BMB	0.087	0.369	-10.5668
		TOTAL:		23.61	132.00	10496.48



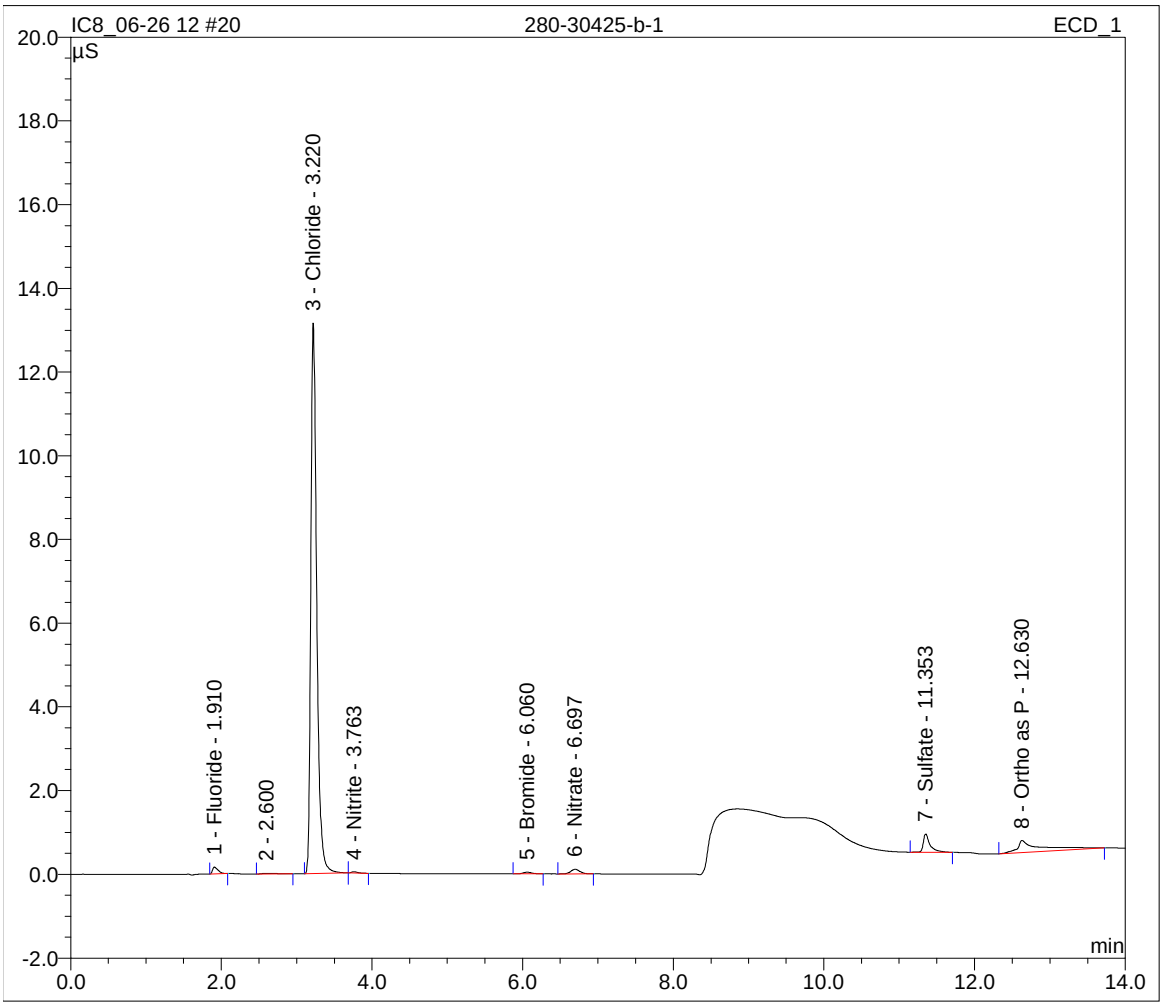
Sample Name:	**280-29862-k-1 500X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**500.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 11:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	3.23	Chloride	BMB	0.142	1.547	537.1724
2	11.31	Sulfate	BMB	2.403	23.952	10745.2951
3	12.63	Ortho as P	BMB	0.085	0.337	-110.7529
		TOTAL:		2.63	25.84	11171.71



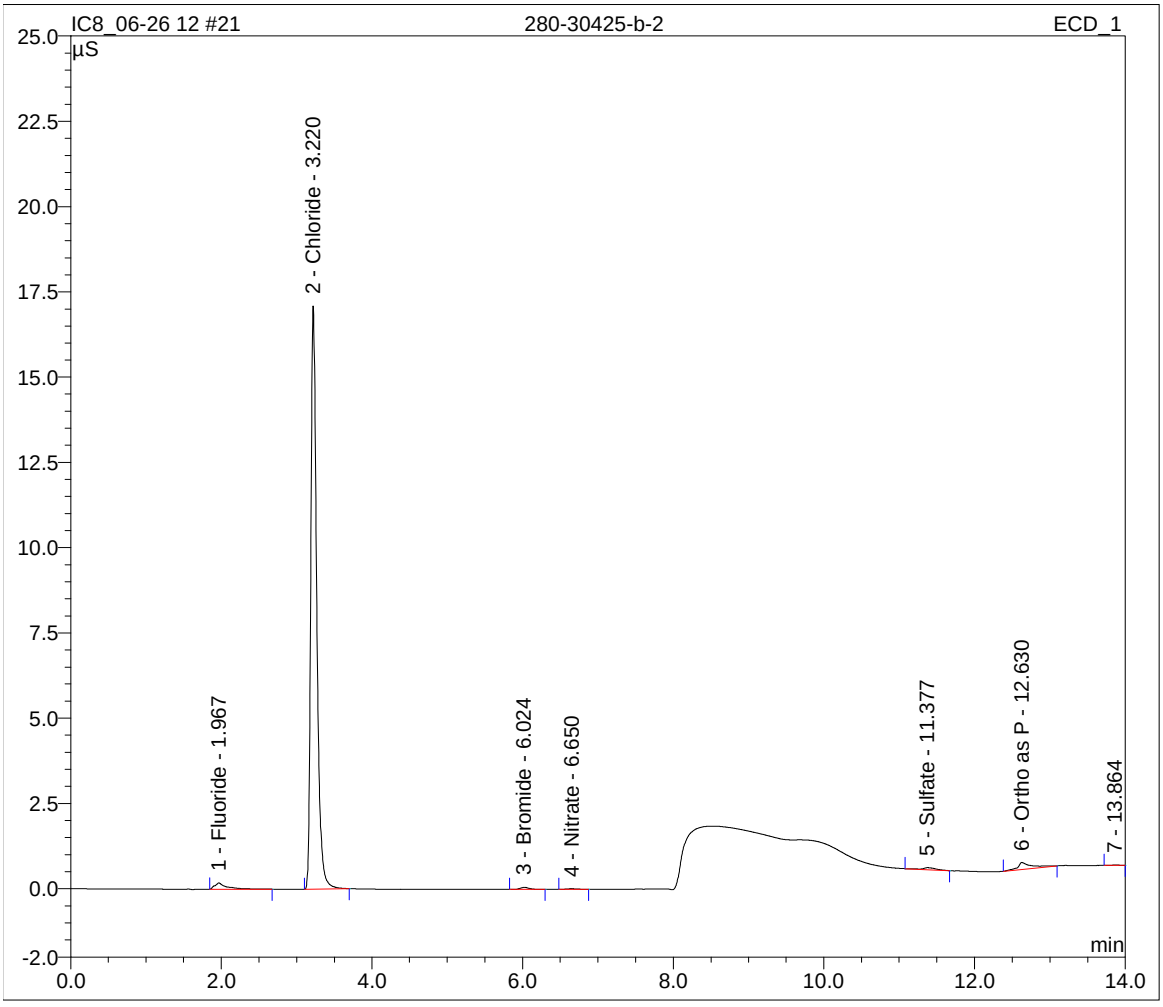
Sample Name:	**280-30425-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 12:15**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.014	0.166	0.0348
3	3.22	Chloride	BMb	1.193	13.156	8.6557
4	3.76	Nitrite	bMB	0.003	0.030	0.0278
5	6.06	Bromide	BMB	0.005	0.040	0.1348
6	6.70	Nitrate	BMB	0.016	0.110	0.0682
7	11.35	Sulfate	BMB	0.046	0.439	0.1393
8	12.63	Ortho as P	BMB	0.101	0.286	-0.1367
TOTAL:				1.38	14.23	8.92



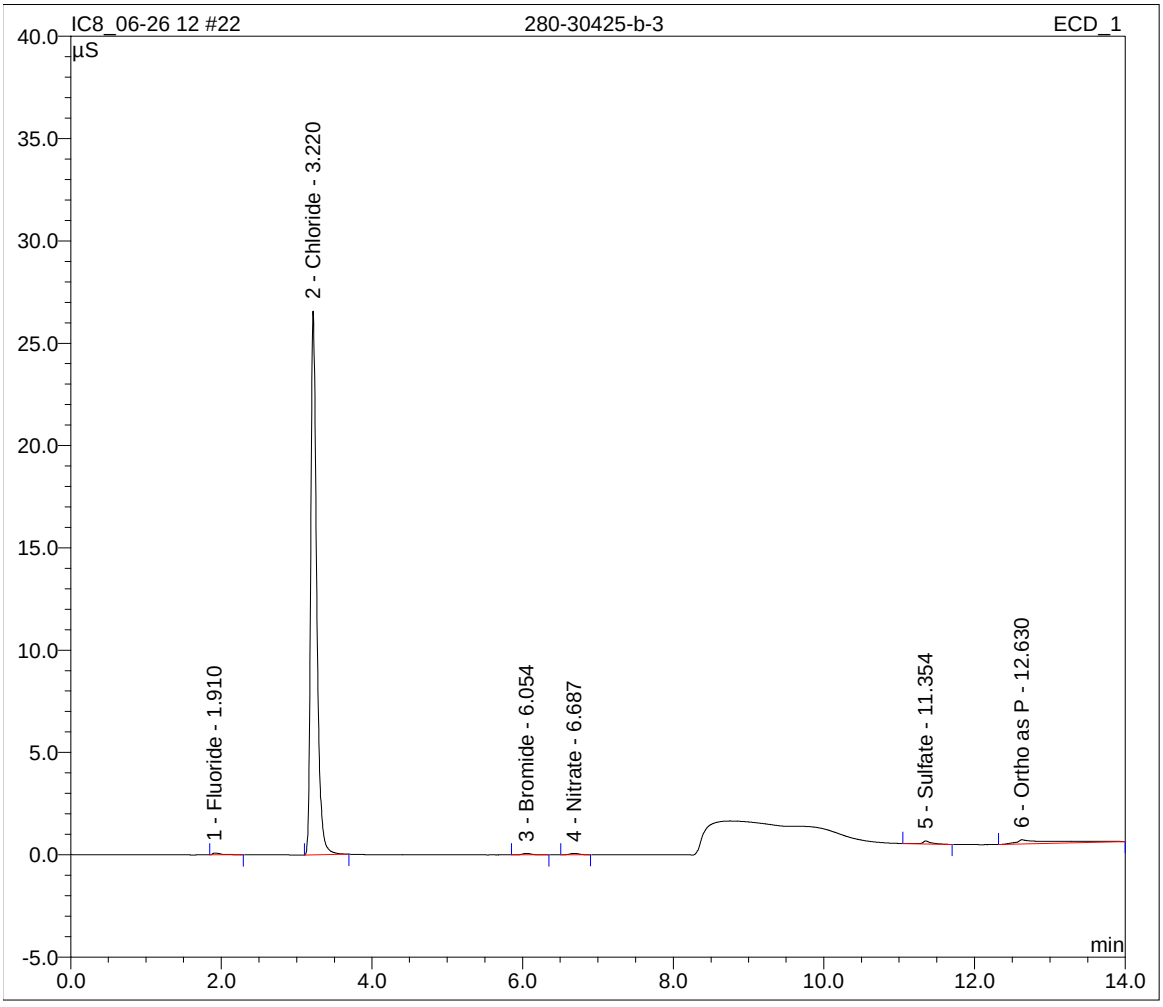
Sample Name:	**280-30425-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 12:32**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.97	Fluoride	BMB	0.035	0.185	0.1230
2	3.22	Chloride	BMB	1.562	17.105	11.3195
3	6.02	Bromide	BMB	0.008	0.060	0.1762
4	6.65	Nitrate	BMB	0.002	0.015	0.0303
5	11.38	Sulfate	BMB	0.012	0.059	-0.1706
6	12.63	Ortho as P	BMB	0.042	0.202	-0.4437
		TOTAL:		1.66	17.63	11.03



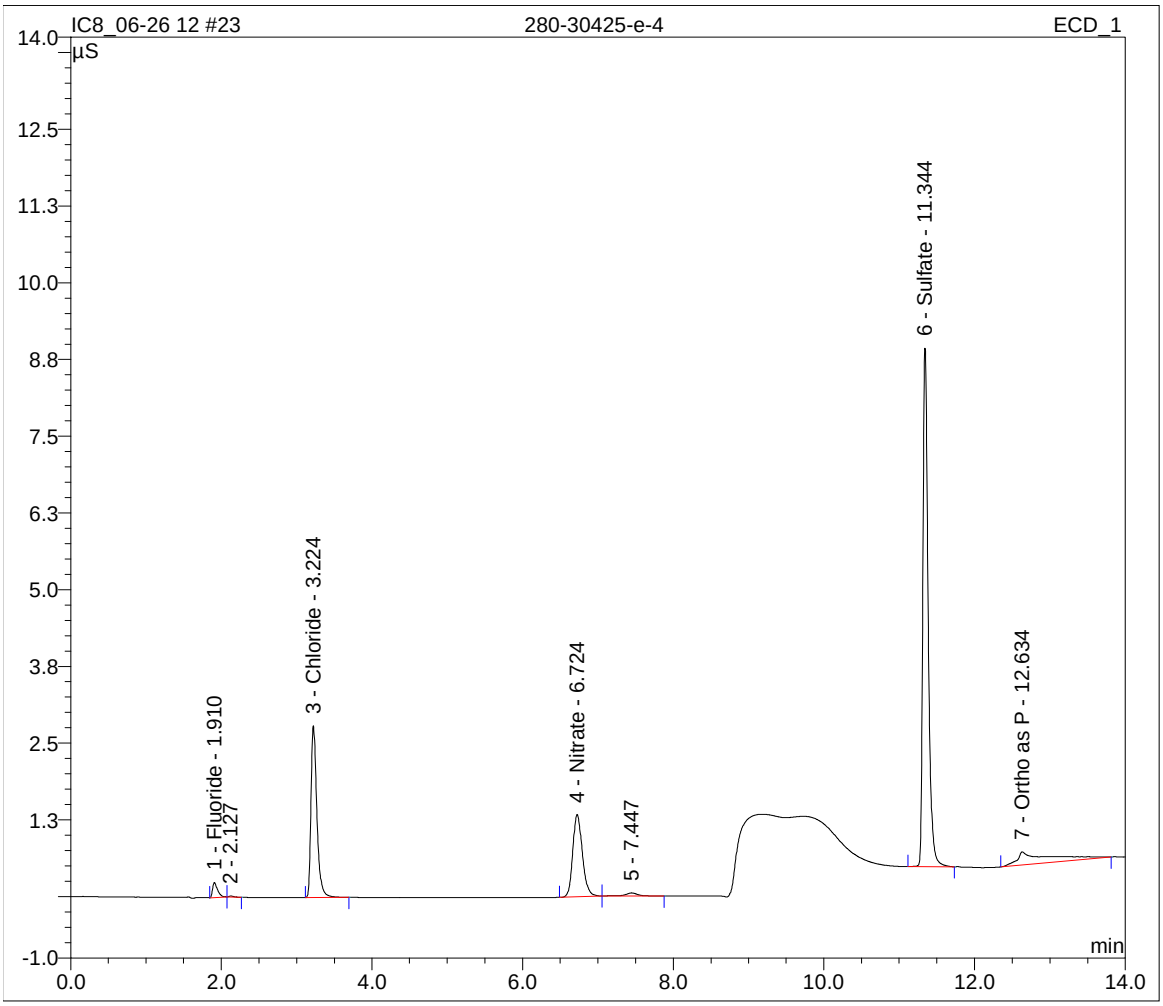
Sample Name:	**280-30425-b-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 12:48**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.012	0.084	0.0257
2	3.22	Chloride	BMB	2.436	26.577	17.6281
3	6.05	Bromide	BMB	0.010	0.073	0.2108
4	6.69	Nitrate	BMB	0.010	0.069	0.0518
5	11.35	Sulfate	BMB	0.019	0.147	-0.1019
6	12.63	Ortho as P	BMB	0.122	0.206	-0.0302
		TOTAL:		2.61	27.16	17.78



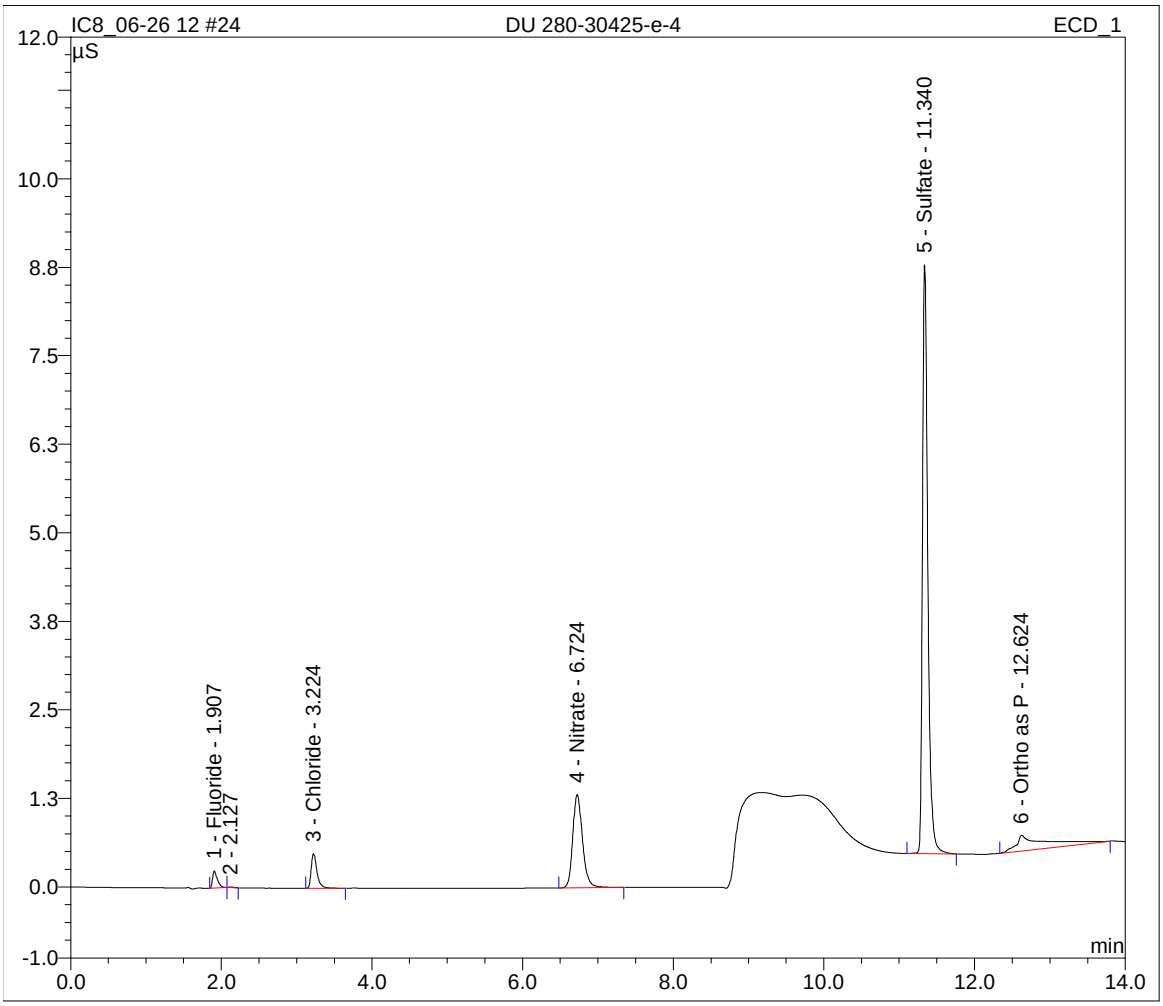
Sample Name:	**280-30425-e-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 13:05**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.019	0.245	0.0545
3	3.22	Chloride	BMB	0.254	2.797	1.8827
4	6.72	Nitrate	BMB	0.198	1.340	0.5810
6	11.34	Sulfate	BMB	0.688	8.446	5.9595
7	12.63	Ortho as P	BMB	0.104	0.214	-0.1207
		TOTAL:		1.26	13.04	8.36



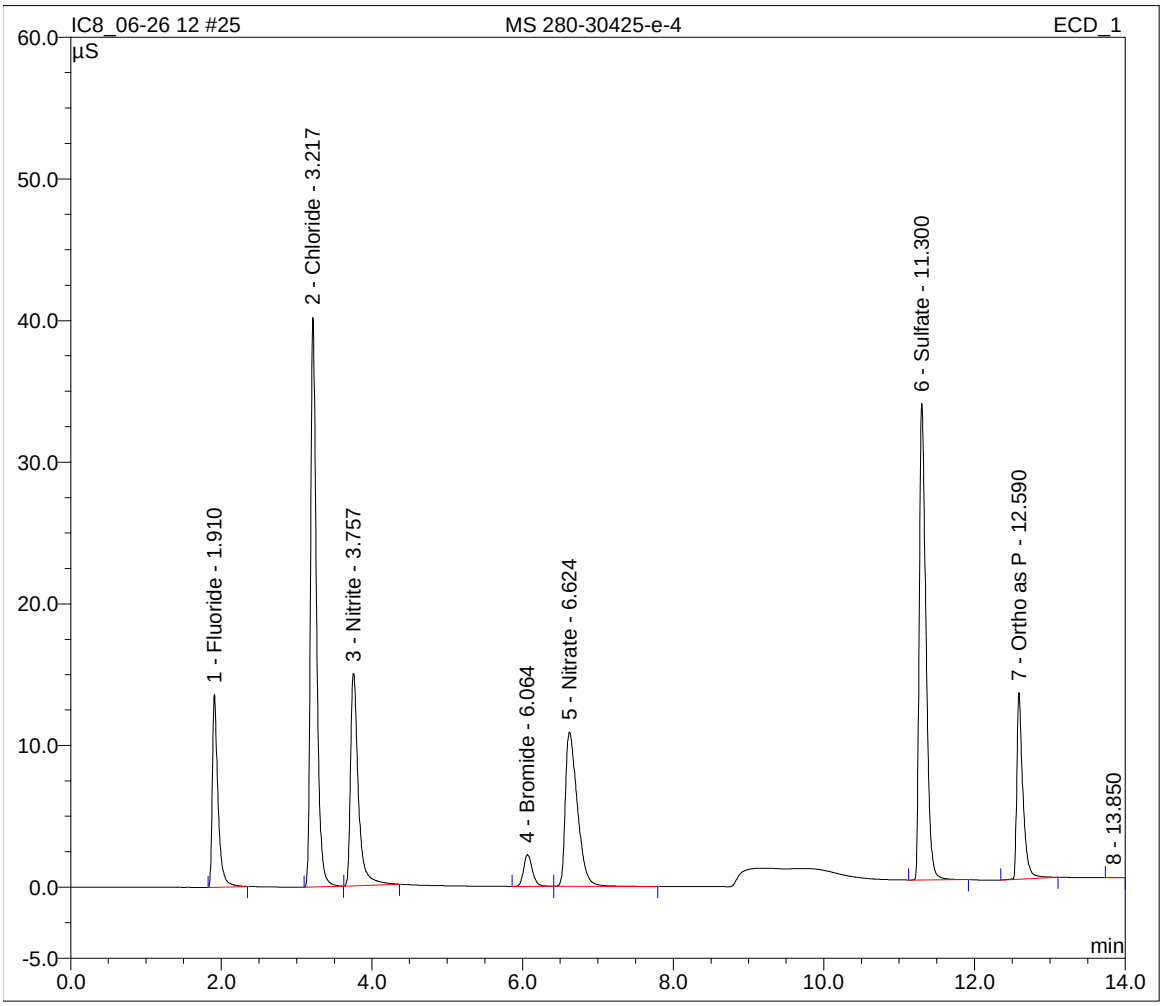
Sample Name:	**DU 280-30425-e-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 13:22**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.018	0.242	0.0511
3	3.22	Chloride	BMB	0.044	0.487	0.3632
4	6.72	Nitrate	BMB	0.198	1.315	0.5813
5	11.34	Sulfate	BMB	0.681	8.311	5.8922
6	12.62	Ortho as P	BMB	0.099	0.221	-0.1474
		TOTAL:		1.04	10.58	6.74



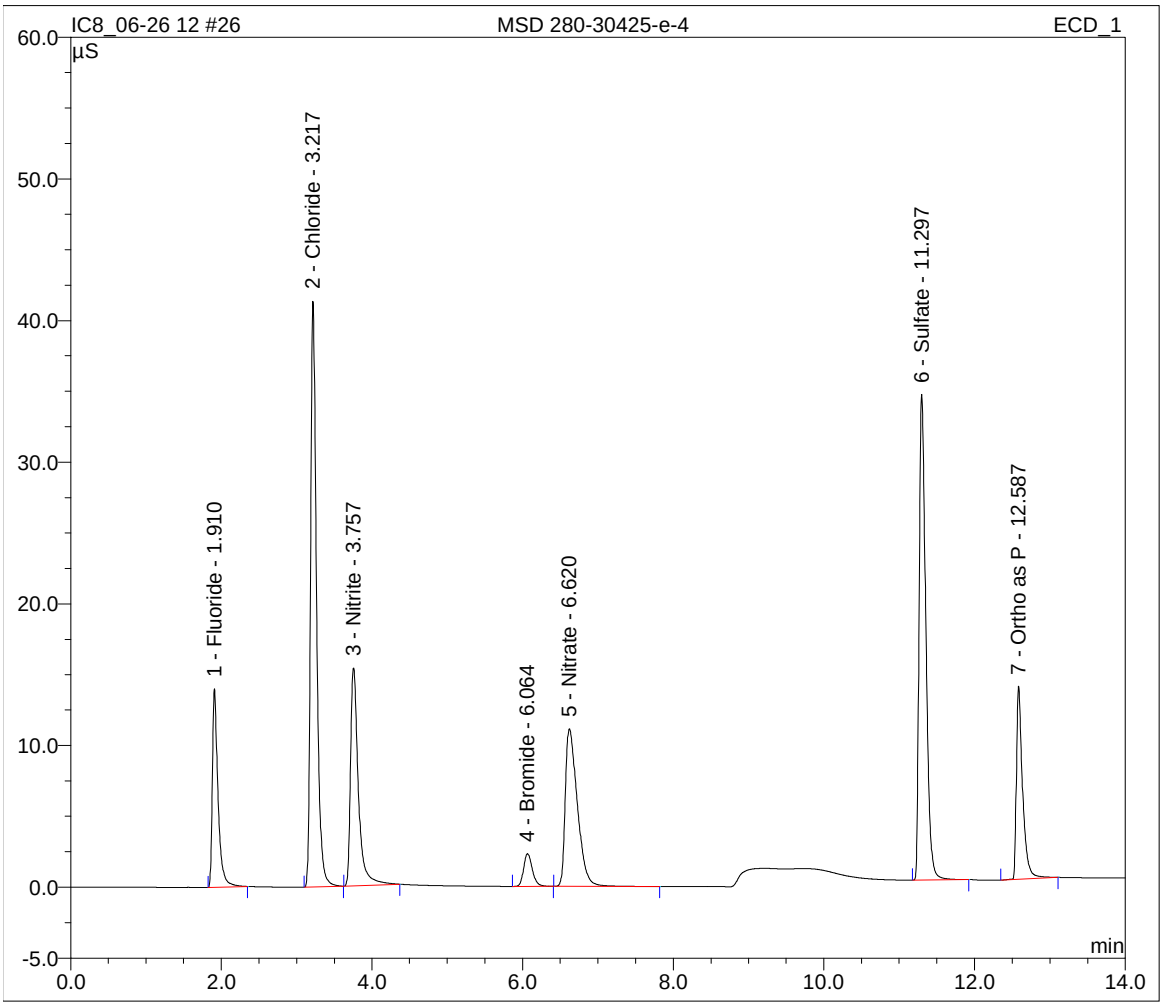
Sample Name:	**MS 280-30425-e-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 13:39**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.184	13.599	4.9785
2	3.22	Chloride	BMB	3.685	40.206	26.6467
3	3.76	Nitrite	BMB	1.799	14.999	4.9956
4	6.06	Bromide	BMB	0.300	2.239	5.1396
5	6.62	Nitrate	BMB	2.014	10.889	5.6967
6	11.30	Sulfate	BMB	3.510	33.628	31.5283
7	12.59	Ortho as P	BMB	1.238	13.163	5.7520
		TOTAL:		13.73	128.72	84.74



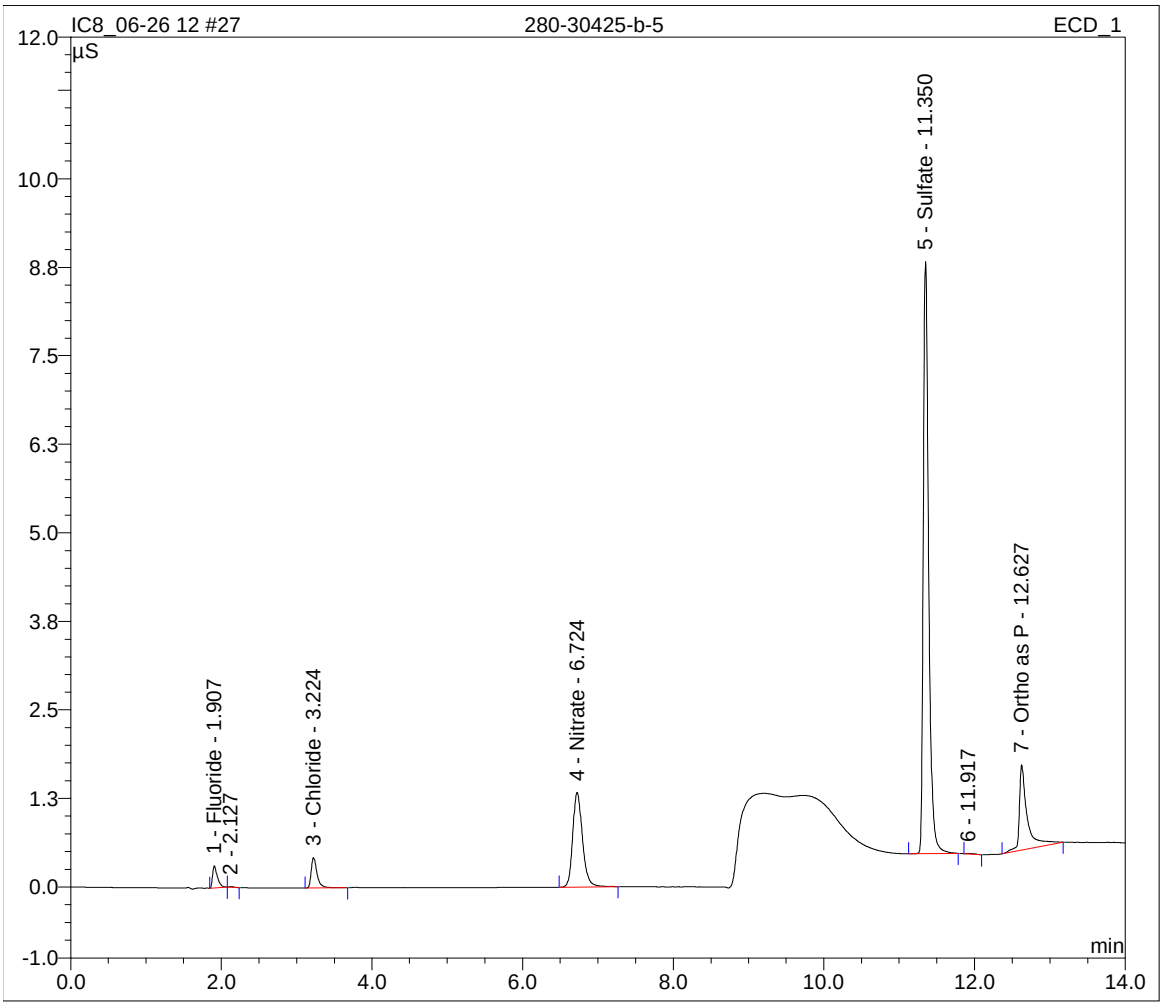
Sample Name:	**MSD 280-30425-e-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 13:56**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.222	13.999	5.1370
2	3.22	Chloride	BMB	3.793	41.360	27.4248
3	3.76	Nitrite	BMB	1.848	15.382	5.1319
4	6.06	Bromide	BMB	0.309	2.308	5.2999
5	6.62	Nitrate	BMB	2.068	11.113	5.8504
6	11.30	Sulfate	BMB	3.576	34.267	32.1262
7	12.59	Ortho as P	BMB	1.306	13.611	6.1016
TOTAL:				14.12	132.04	87.07



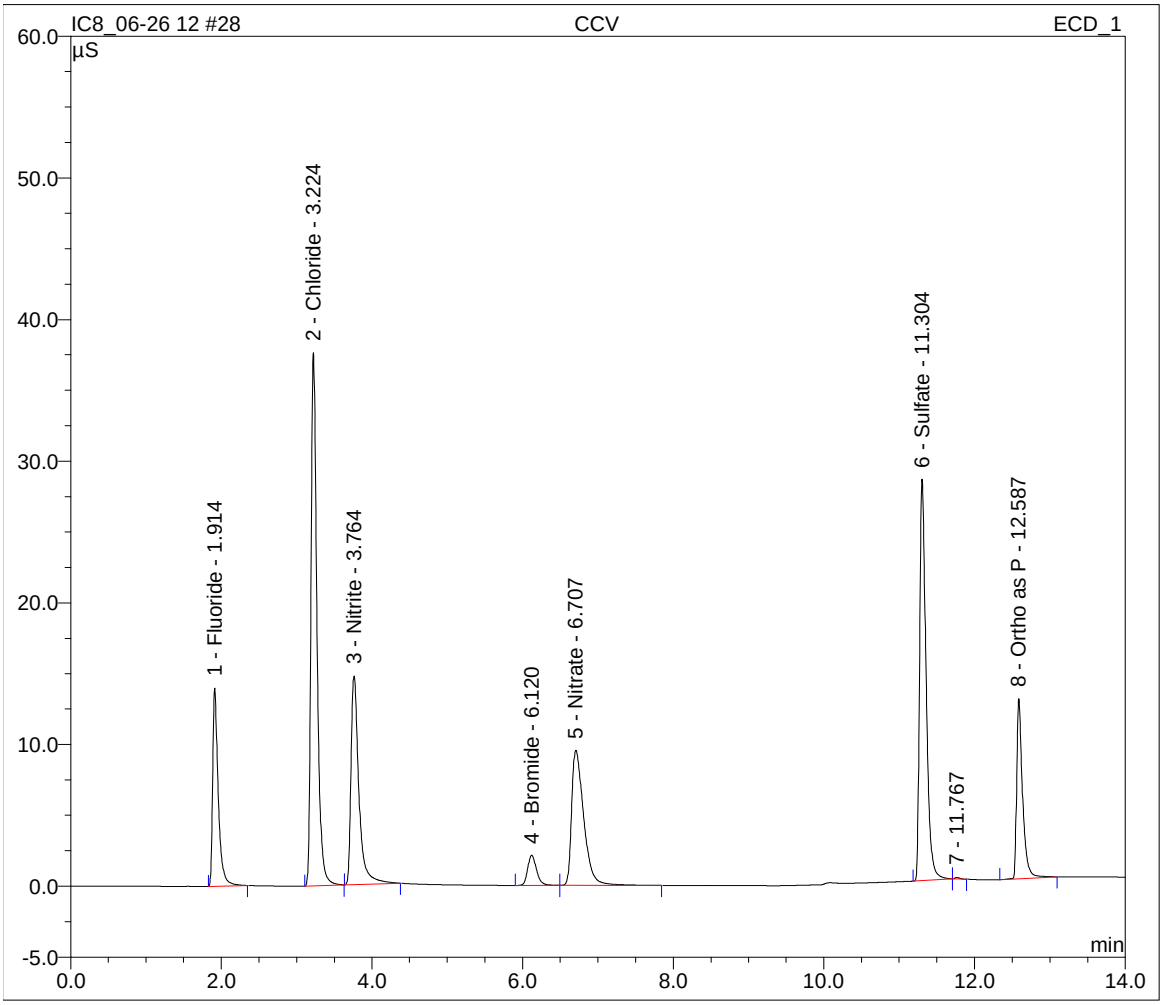
Sample Name:	**280-30425-b-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 14:12**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.024	0.313	0.0746
3	3.22	Chloride	BMB	0.038	0.426	0.3260
4	6.72	Nitrate	BMB	0.200	1.335	0.5883
5	11.35	Sulfate	BMB	0.689	8.358	5.9672
7	12.63	Ortho as P	BMB	0.146	1.201	0.0935
		TOTAL:		1.10	11.63	7.05



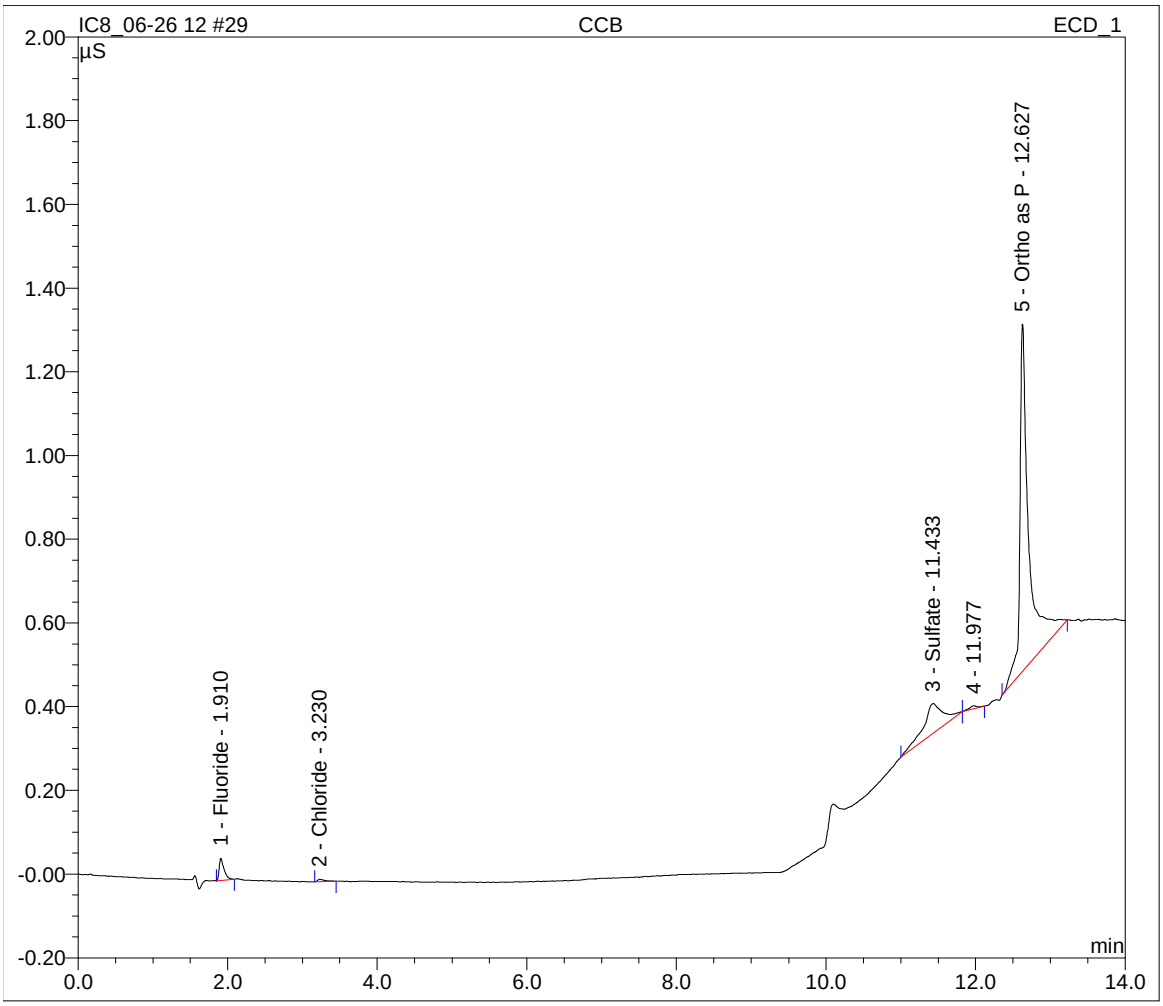
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 14:29**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.197	13.993	5.0326
2	3.22	Chloride	BMB	3.465	37.638	25.0587
3	3.76	Nitrite	BMB	1.783	14.739	4.9500
4	6.12	Bromide	BMB	0.290	2.133	4.9816
5	6.71	Nitrate	BMB	1.767	9.526	5.0018
6	11.30	Sulfate	BMb	2.850	28.335	25.5417
8	12.59	Ortho as P	BMB	1.158	12.693	5.3373
		TOTAL:		12.51	119.06	75.90



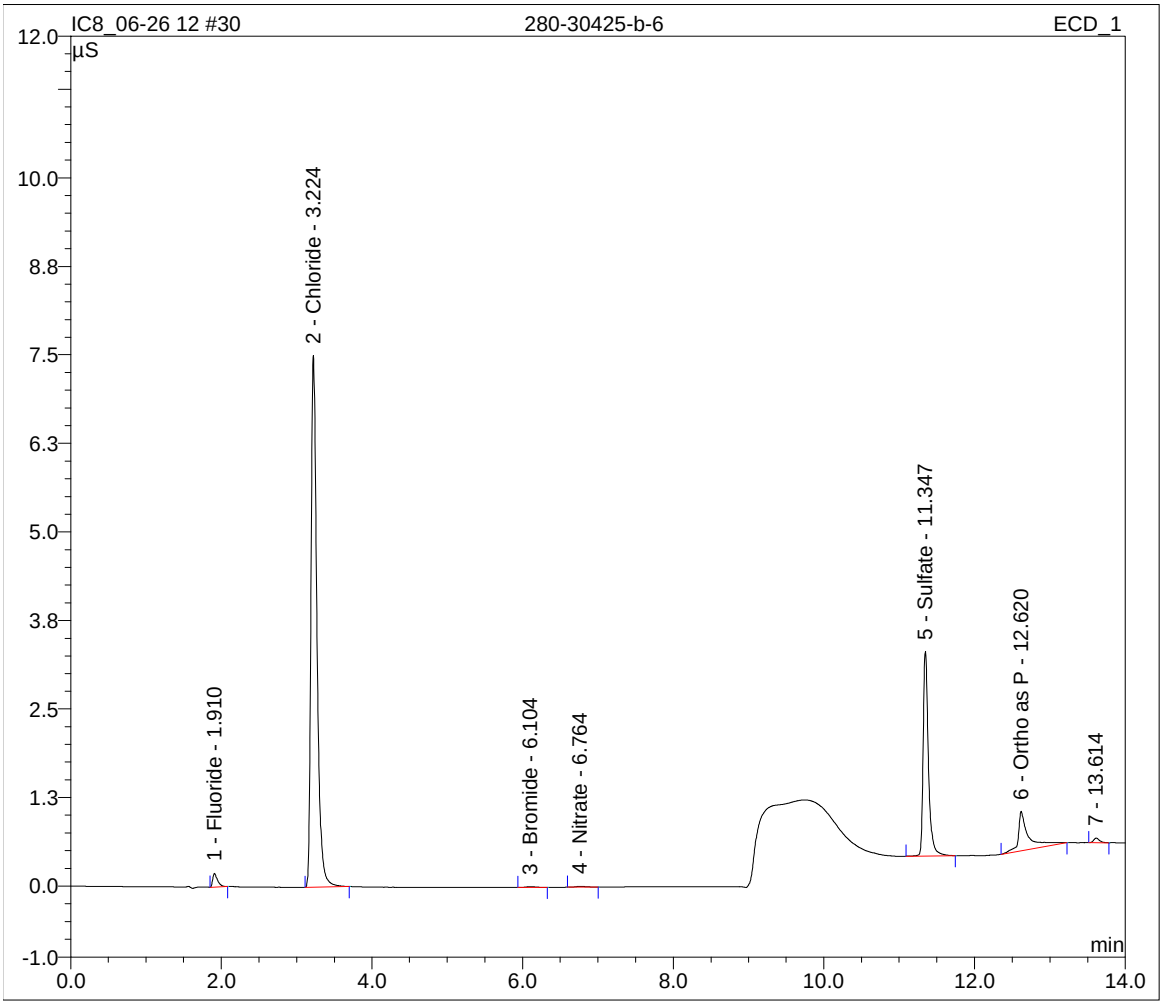
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 14:46**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.004	0.053	-0.0077
2	3.23	Chloride	BMB	0.001	0.006	0.0533
3	11.43	Sulfate	BMB	0.021	0.071	-0.0844
5	12.63	Ortho as P	BMB	0.116	0.831	-0.0607
TOTAL:				0.14	0.96	-0.10



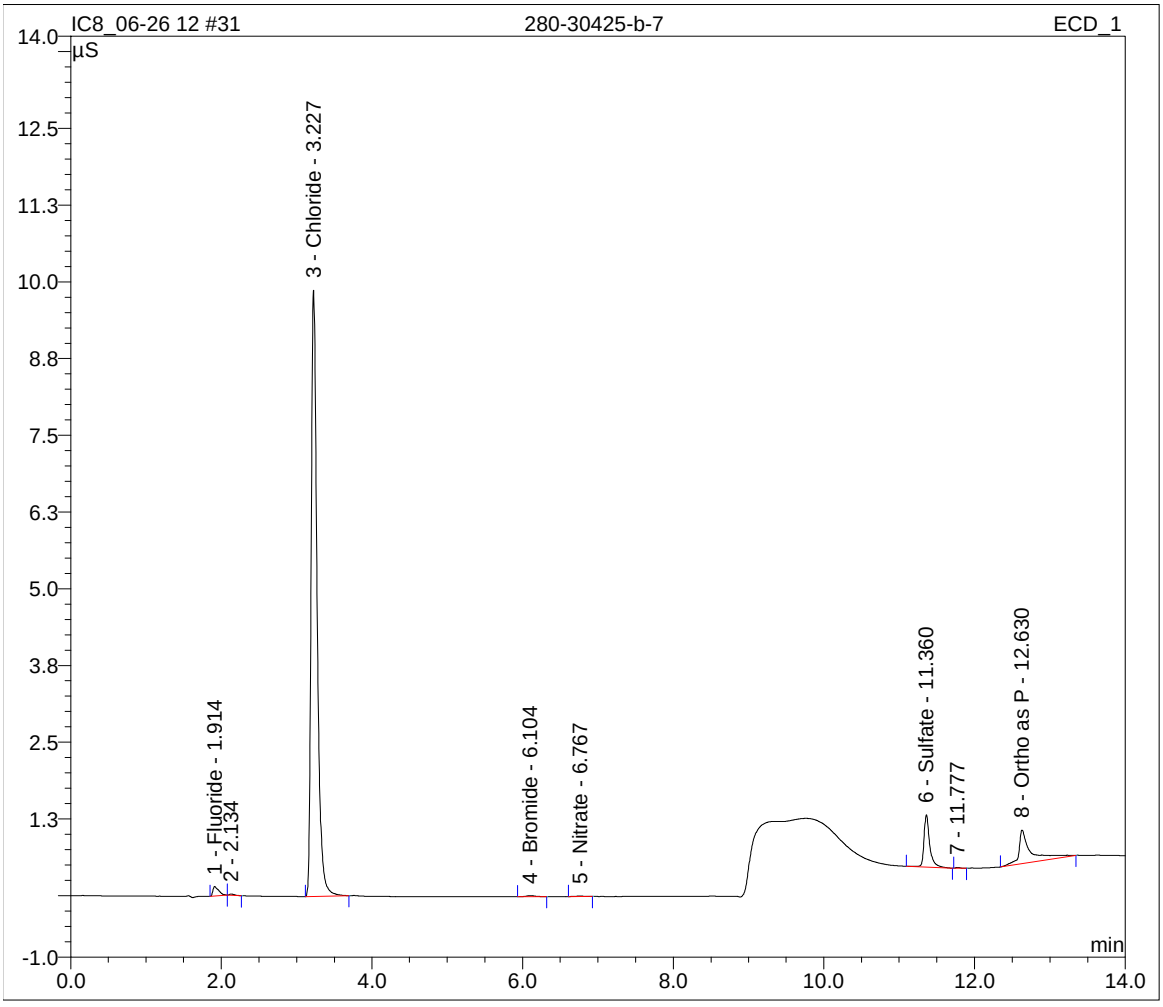
Sample Name:	**280-30425-b-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 15:03**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.014	0.193	0.0361
2	3.22	Chloride	BMB	0.686	7.505	4.9980
3	6.10	Bromide	BMB	0.001	0.010	0.0675
4	6.76	Nitrate	BMB	0.002	0.011	0.0290
5	11.35	Sulfate	BMB	0.232	2.886	1.8242
6	12.62	Ortho as P	BMB	0.089	0.557	-0.2026
TOTAL:				1.02	11.16	6.75



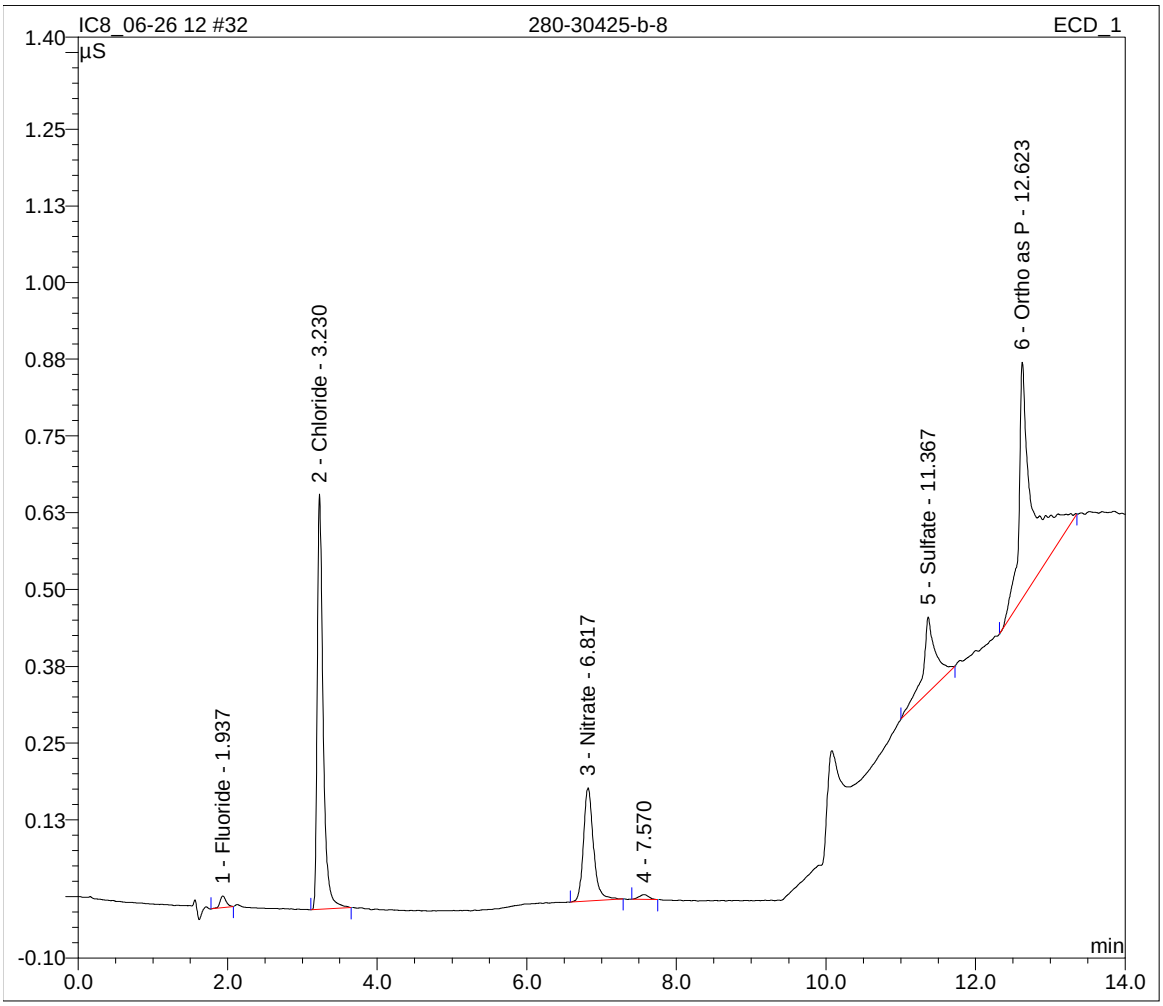
Sample Name:	**280-30425-b-7**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 15:20**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.014	0.156	0.0349
3	3.23	Chloride	BMB	0.901	9.878	6.5507
4	6.10	Bromide	BMB	0.002	0.016	0.0790
5	6.77	Nitrate	BMB	0.001	0.007	0.0271
6	11.36	Sulfate	BMB	0.075	0.855	0.4014
8	12.63	Ortho as P	BMB	0.100	0.548	-0.1428
		TOTAL:		1.09	11.46	6.95



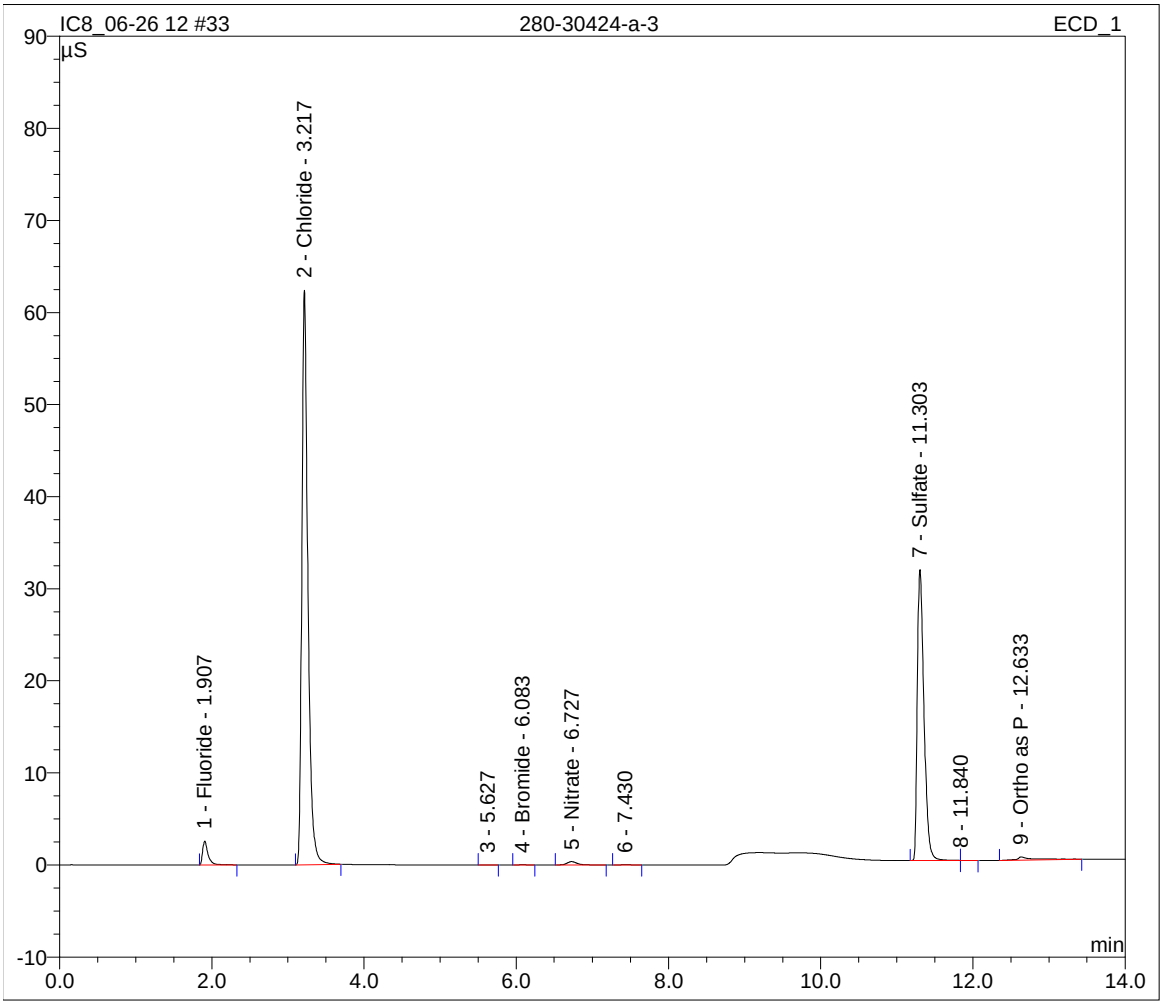
Sample Name:	**280-30425-b-8**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 15:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	0.002	0.019	-0.0172
2	3.23	Chloride	BMB	0.062	0.676	0.4934
3	6.82	Nitrate	BMB	0.029	0.184	0.1047
5	11.37	Sulfate	BMB	0.024	0.123	-0.0606
6	12.62	Ortho as P	BMB	0.083	0.385	-0.2296
		TOTAL:		0.20	1.39	0.29



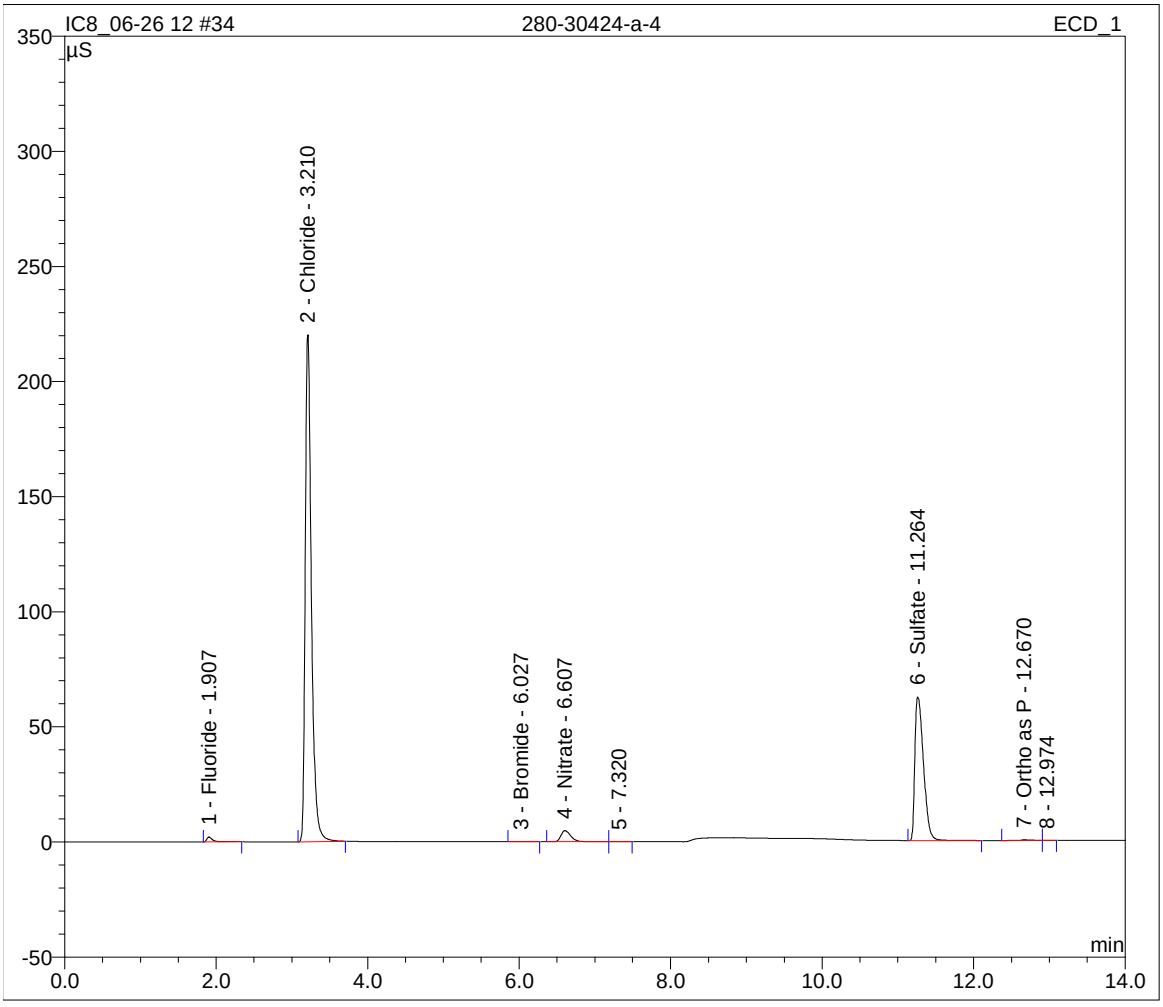
Sample Name:	**280-30424-a-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 15:53**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.215	2.599	0.8822
2	3.22	Chloride	BMB	5.765	62.420	41.6575
4	6.08	Bromide	BMB	0.002	0.015	0.0754
5	6.73	Nitrate	BMB	0.053	0.361	0.1743
7	11.30	Sulfate	BMB	3.216	31.586	28.8590
9	12.63	Ortho as P	BMB	0.085	0.357	-0.2196
TOTAL:				9.34	97.34	71.43



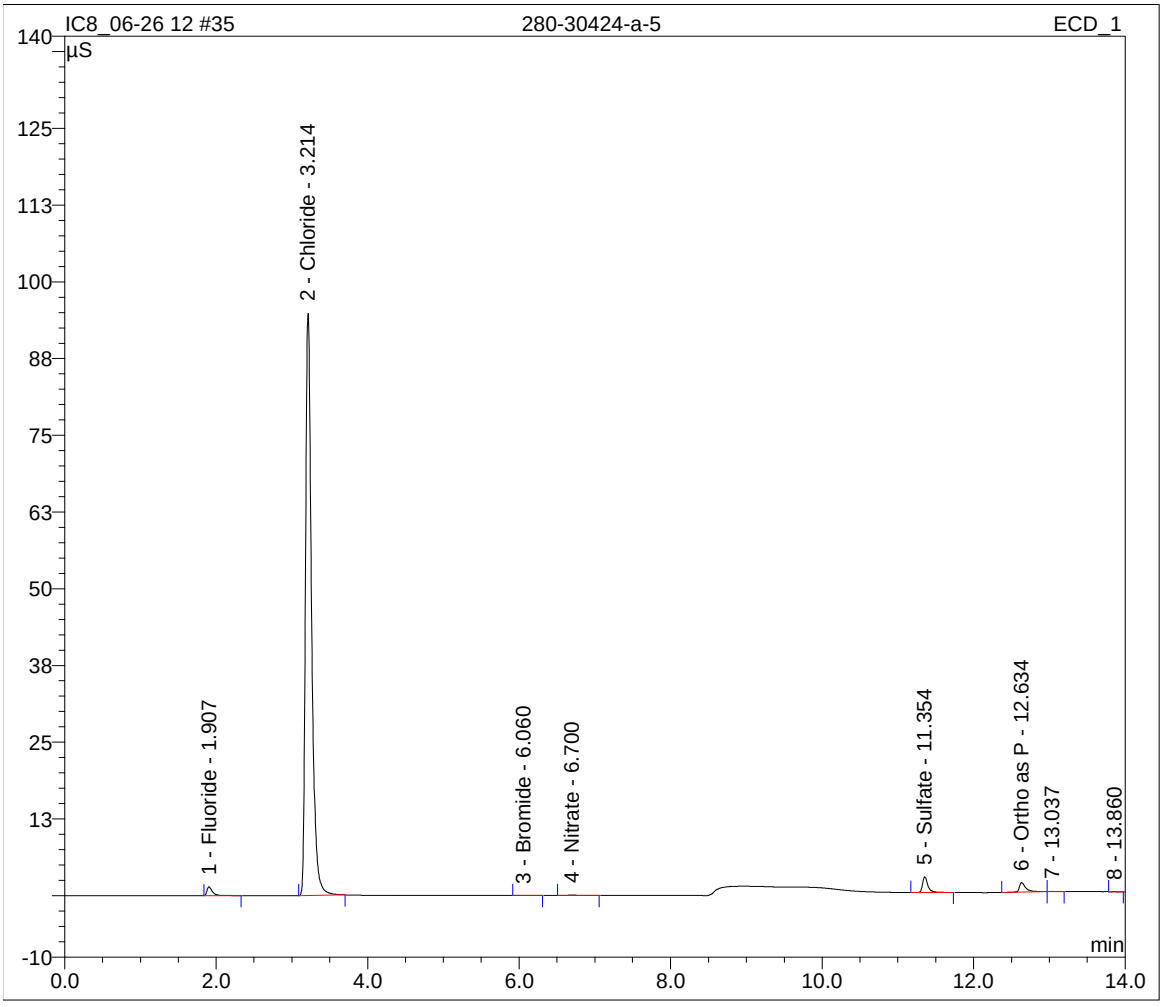
Sample Name:	**280-30424-a-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 16:10**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.182	2.104	0.7460
2	3.21	Chloride	BMB	20.654	220.346	149.1203
3	6.03	Bromide	BMB	0.008	0.059	0.1723
4	6.61	Nitrate	BMb	0.727	4.849	2.0719
6	11.26	Sulfate	BMB	8.255	62.347	74.5182
7	12.67	Ortho as P	BMb	0.041	0.261	-0.4515
		TOTAL:		29.87	289.97	226.18



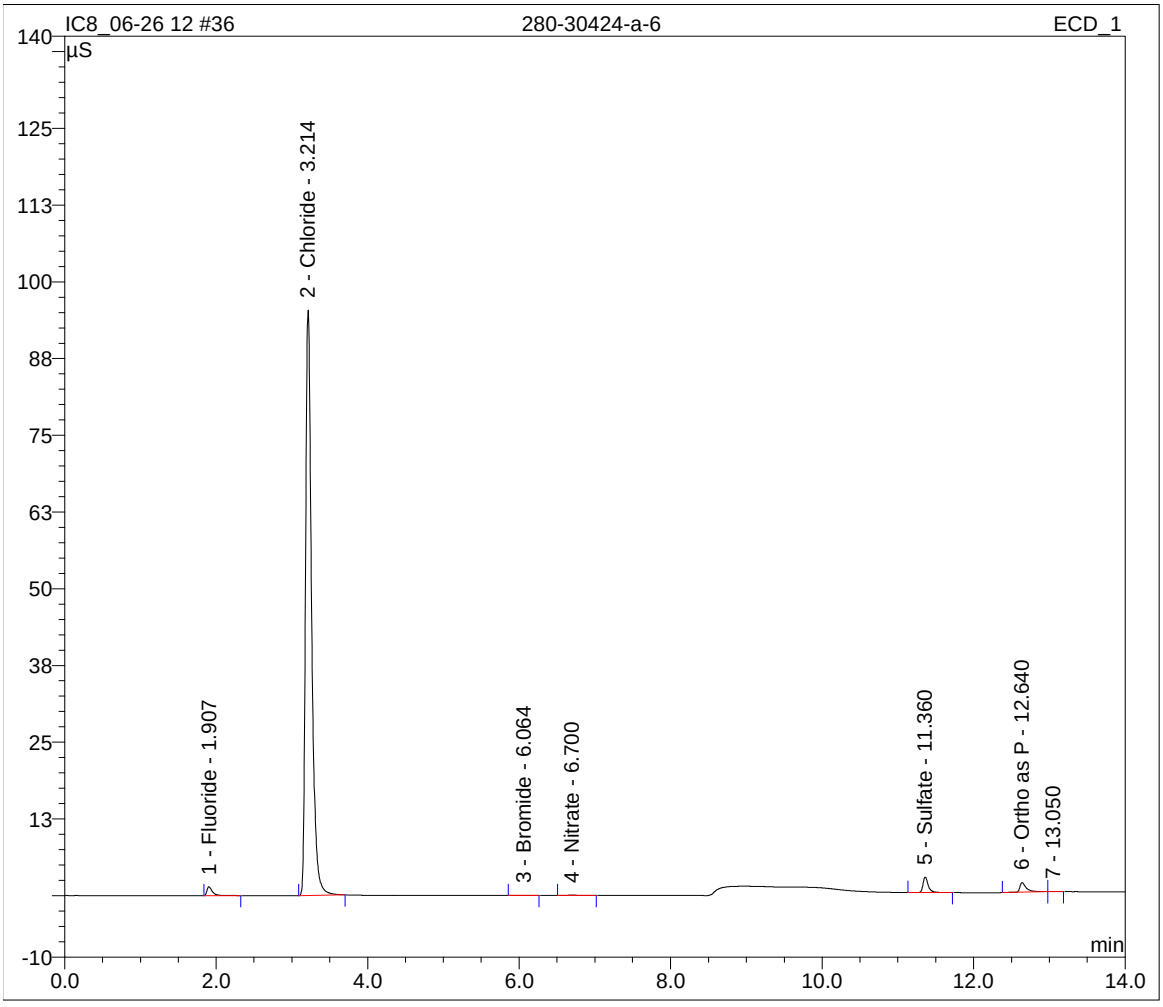
Sample Name:	**280-30424-a-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 16:27**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.122	1.451	0.4906
2	3.21	Chloride	BMB	8.809	94.851	63.6272
3	6.06	Bromide	BMB	0.003	0.024	0.0978
4	6.70	Nitrate	BMB	0.011	0.079	0.0565
5	11.35	Sulfate	BMB	0.205	2.527	1.5804
6	12.63	Ortho as P	BMb	0.159	1.549	0.1611
		TOTAL:		9.31	100.48	66.01



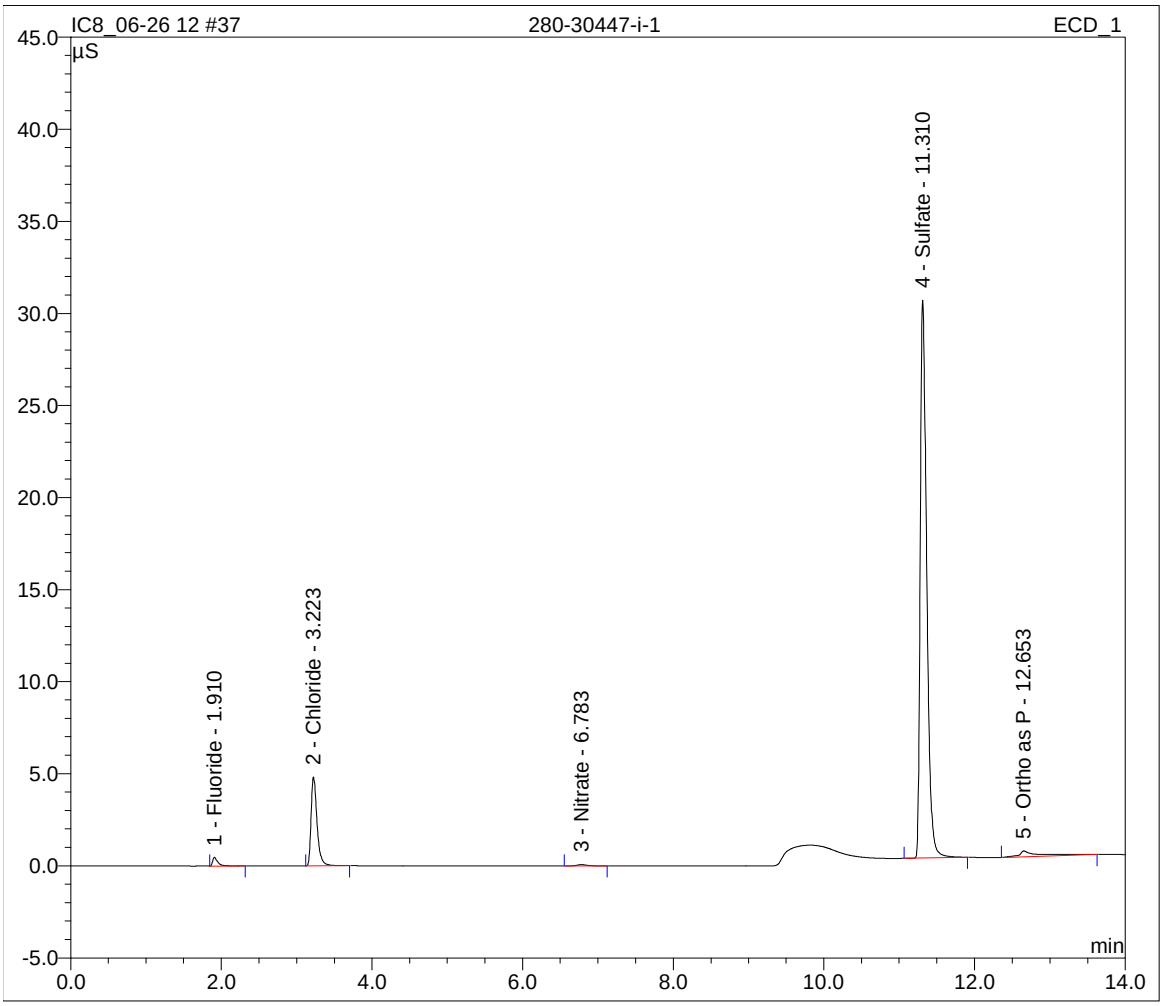
Sample Name:	**280-30424-a-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 16:44**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.122	1.452	0.4904
2	3.21	Chloride	BMB	8.854	95.382	63.9540
3	6.06	Bromide	BMB	0.003	0.024	0.0980
4	6.70	Nitrate	BMB	0.011	0.074	0.0544
5	11.36	Sulfate	BMB	0.199	2.490	1.5236
6	12.64	Ortho as P	BMb	0.159	1.564	0.1597
		TOTAL:		9.35	100.99	66.28



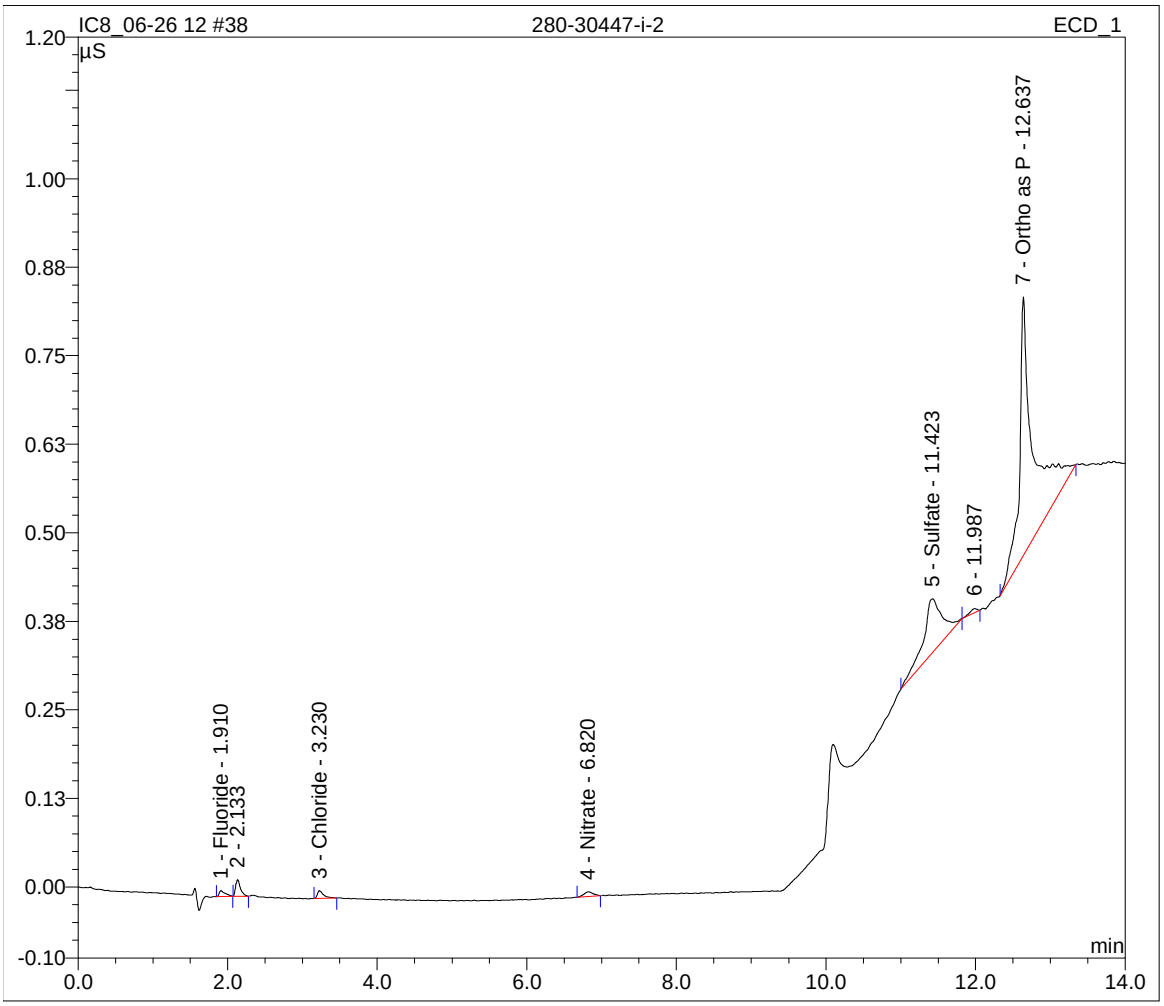
Sample Name:	**280-30447-i-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 17:01**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.038	0.474	0.1370
2	3.22	Chloride	BMB	0.440	4.828	3.2272
3	6.78	Nitrate	BMB	0.011	0.071	0.0545
4	11.31	Sulfate	BMB	3.053	30.308	27.3867
5	12.65	Ortho as P	BMB	0.097	0.314	-0.1571
		TOTAL:		3.64	36.00	30.65



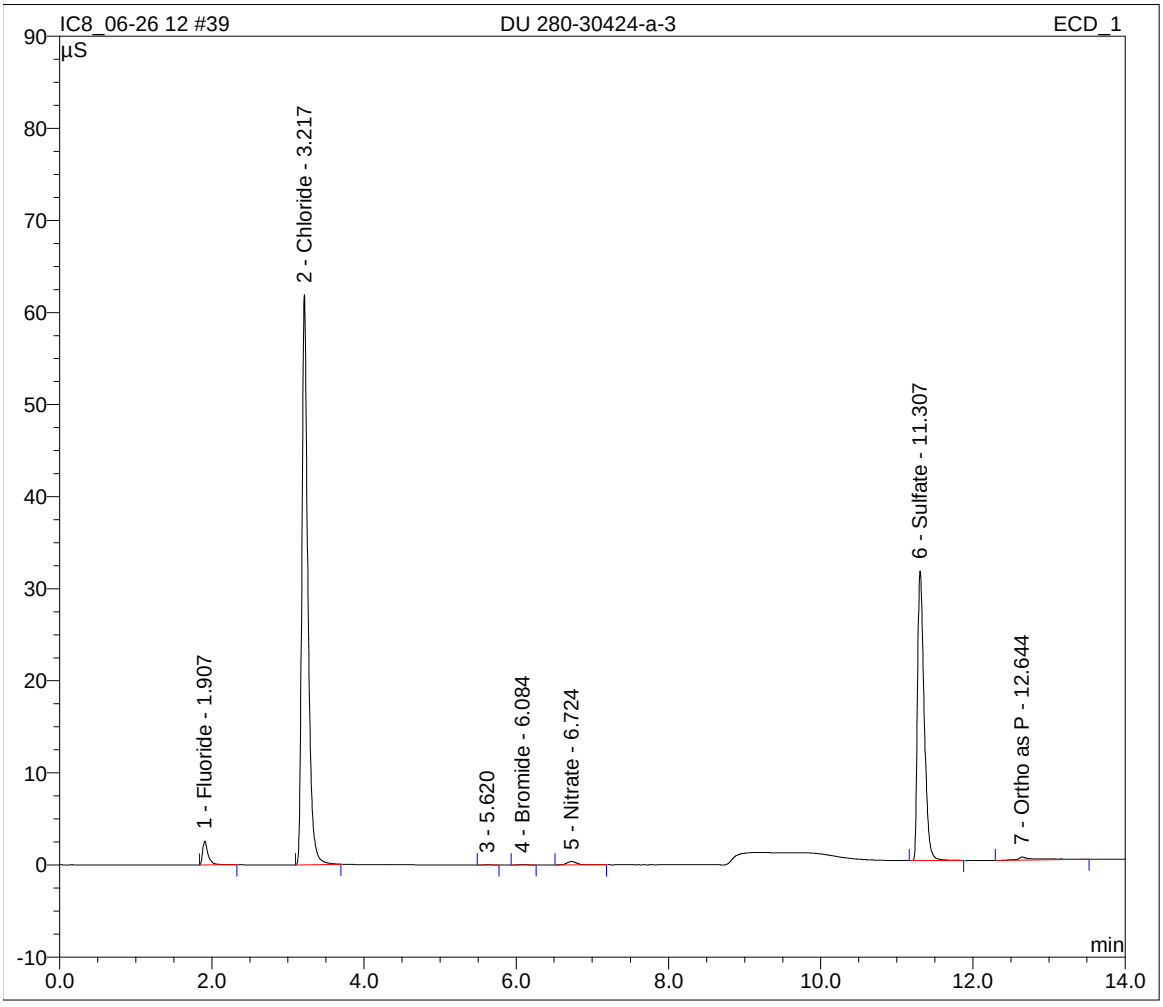
Sample Name:	**280-30447-i-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 17:17**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.001	0.008	-0.0214
3	3.23	Chloride	BMB	0.001	0.011	0.0564
4	6.82	Nitrate	BMB	0.001	0.007	0.0269
5	11.42	Sulfate	BMB	0.022	0.076	-0.0789
7	12.64	Ortho as P	BMB	0.078	0.365	-0.2567
		TOTAL:		0.10	0.47	-0.27



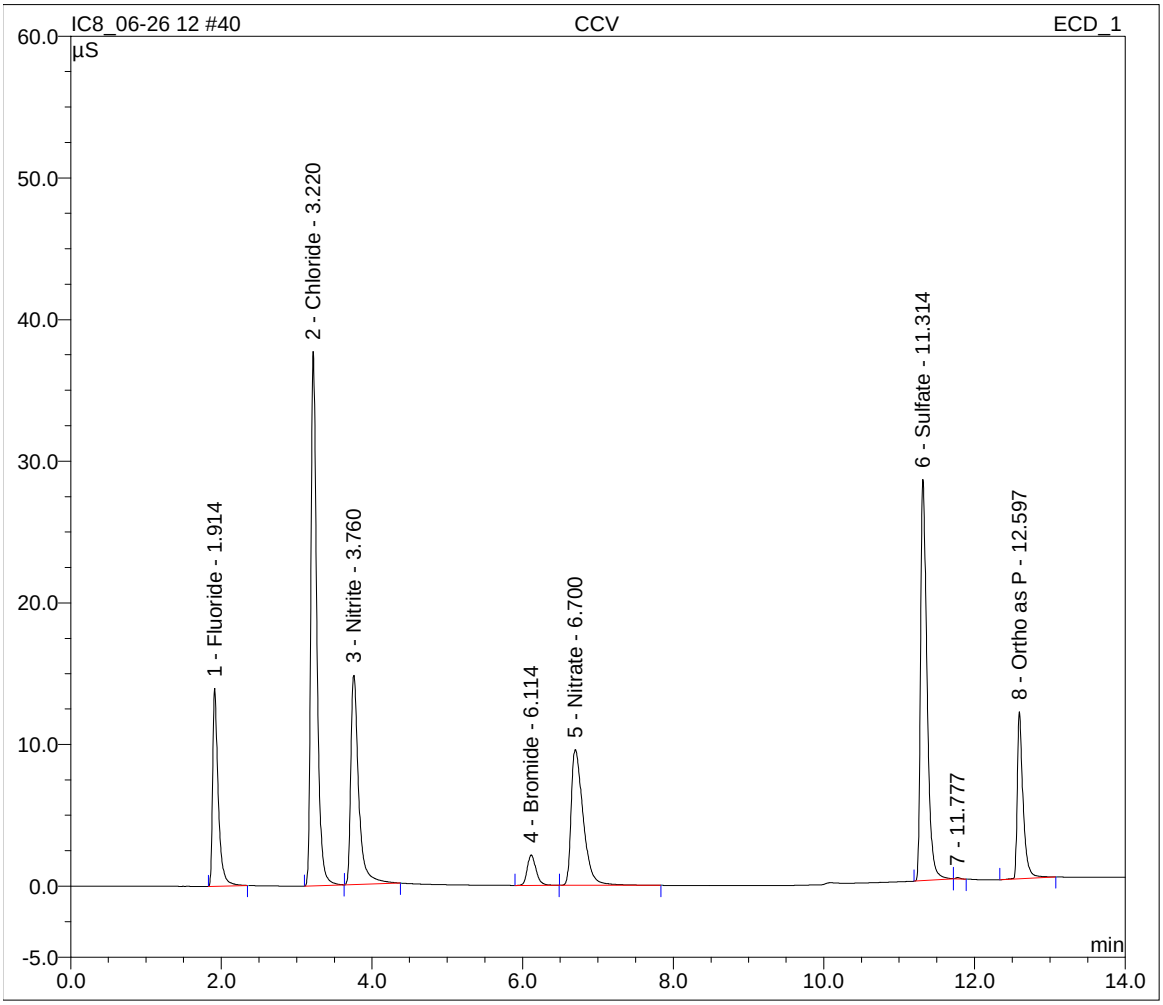
Sample Name:	**DU 280-30424-a-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 17:34**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.214	2.588	0.8796
2	3.22	Chloride	BMB	5.703	61.914	41.2108
4	6.08	Bromide	BMB	0.002	0.015	0.0770
5	6.72	Nitrate	BMB	0.053	0.360	0.1747
6	11.31	Sulfate	BMB	3.199	31.470	28.7035
7	12.64	Ortho as P	BMB	0.090	0.331	-0.1956
TOTAL:				9.26	96.68	70.85



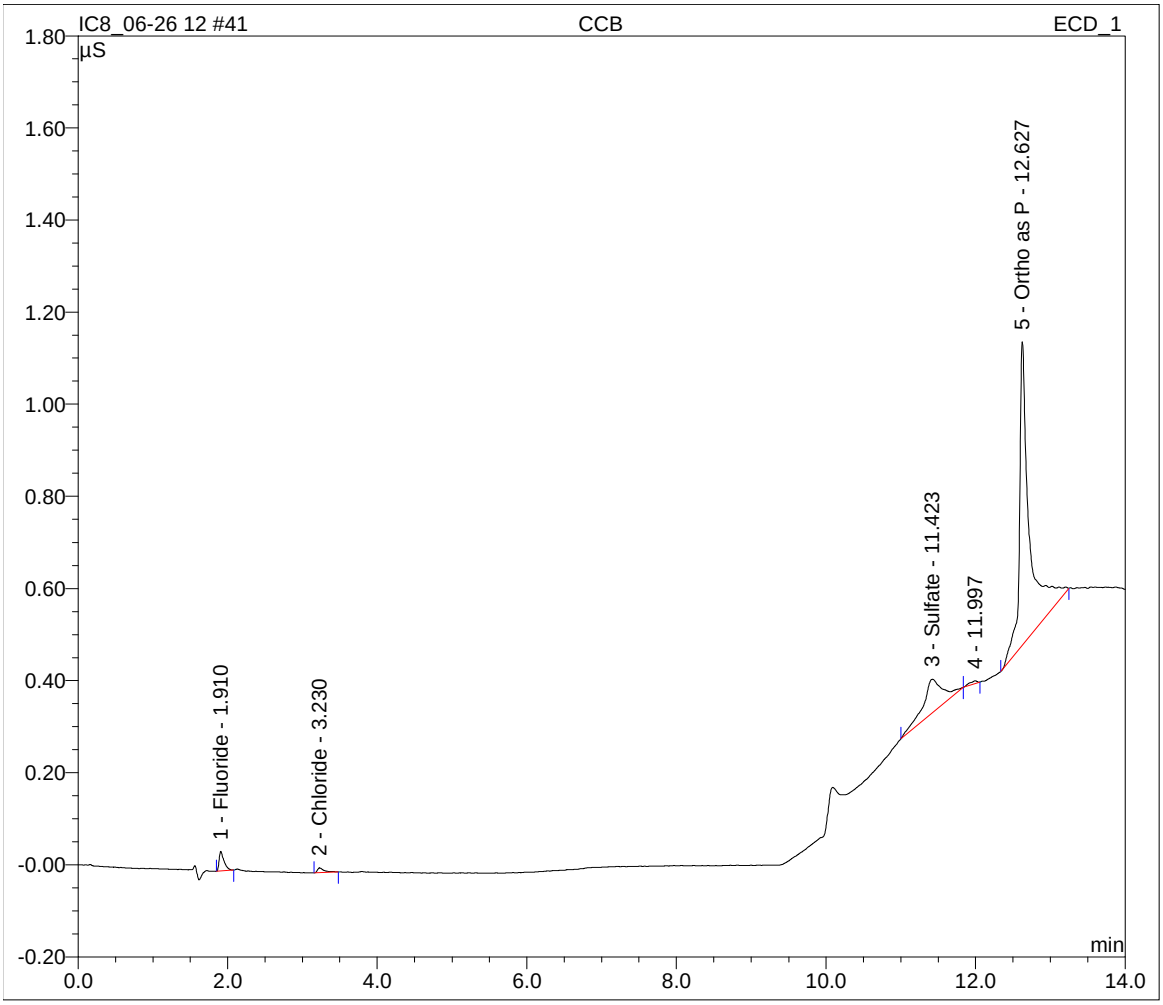
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 17:51**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.198	13.958	5.0376
2	3.22	Chloride	BMB	3.471	37.707	25.0991
3	3.76	Nitrite	BMB	1.792	14.792	4.9754
4	6.11	Bromide	BMB	0.291	2.145	4.9863
5	6.70	Nitrate	BMB	1.769	9.578	5.0091
6	11.31	Sulfate	BMb	2.864	28.326	25.6755
8	12.60	Ortho as P	BMB	1.052	11.770	4.7903
		TOTAL:		12.44	118.28	75.57



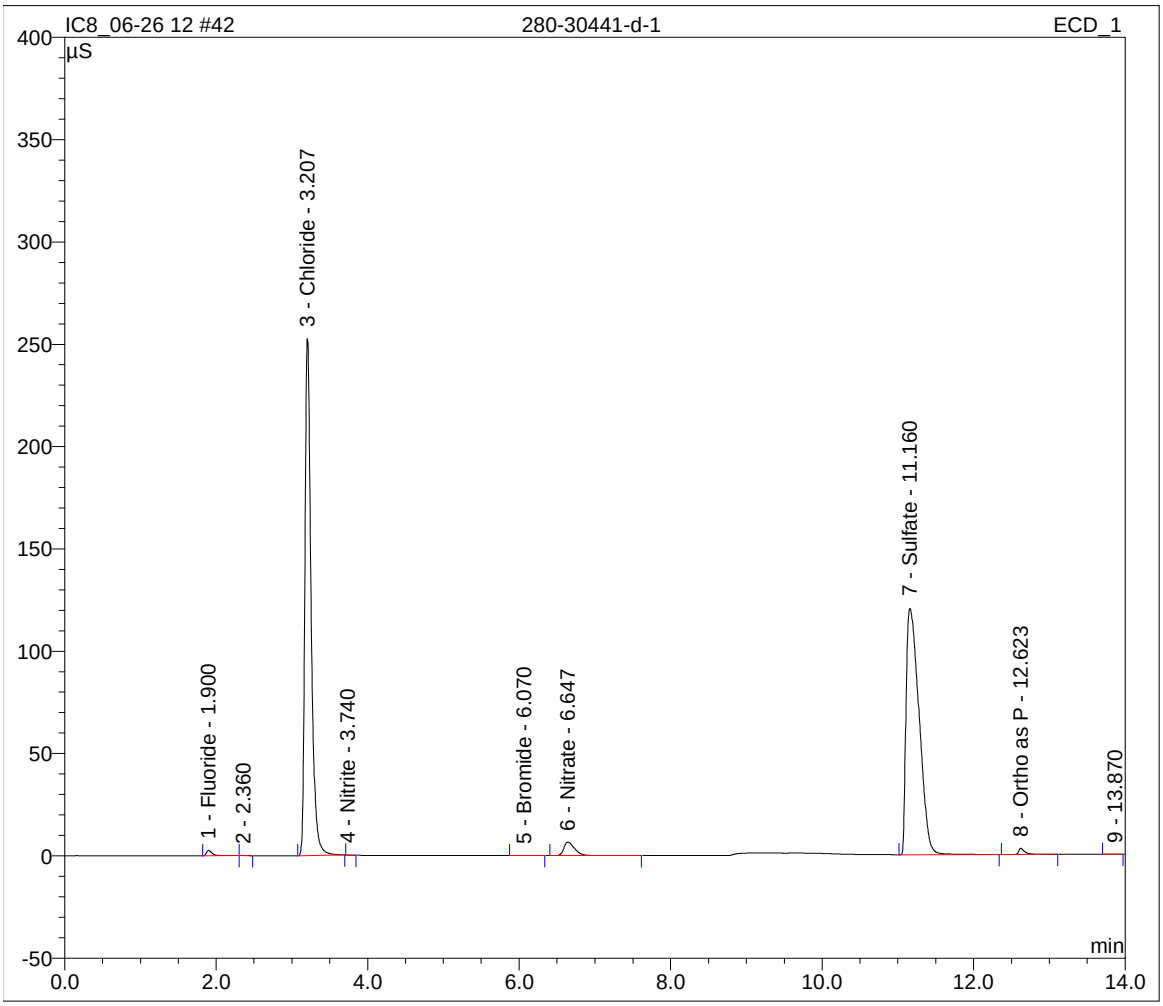
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 18:08**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.003	0.043	-0.0110
2	3.23	Chloride	BMB	0.001	0.010	0.0563
3	11.42	Sulfate	BMB	0.022	0.073	-0.0808
5	12.63	Ortho as P	BMB	0.102	0.658	-0.1313
TOTAL:				0.13	0.78	-0.17



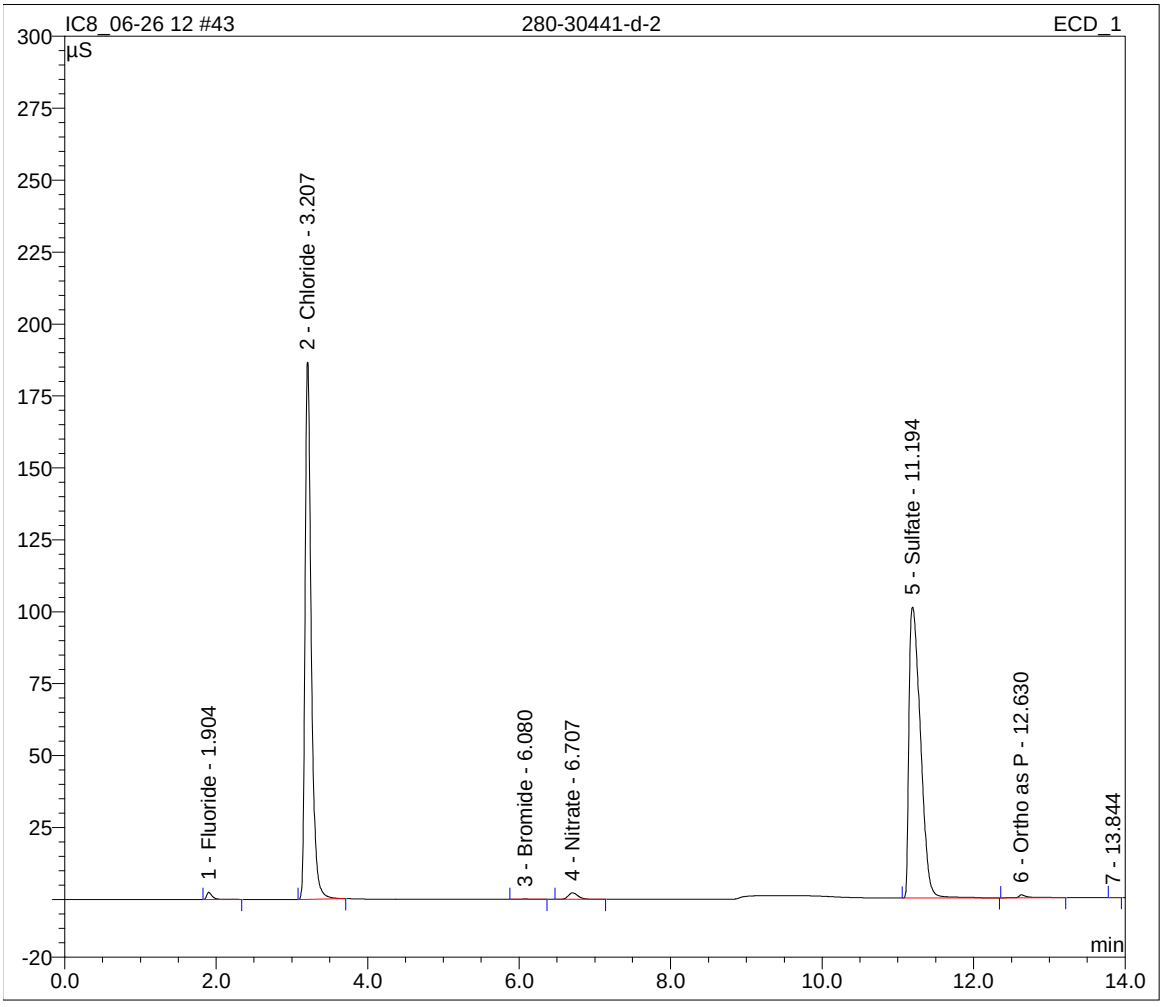
Sample Name:	**280-30441-d-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 18:25**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMb	0.226	2.620	0.9282
3	3.21	Chloride	BMB	23.882	252.740	172.4188
4	3.74	Nitrite	BMB	0.002	0.027	0.0265
5	6.07	Bromide	BMB	0.013	0.096	0.2627
6	6.65	Nitrate	BMB	1.096	6.585	3.1120
7	11.16	Sulfate	BMB	23.937	120.464	216.6028
8	12.62	Ortho as P	BMB	0.306	3.093	0.9222
		TOTAL:		49.46	385.62	394.27



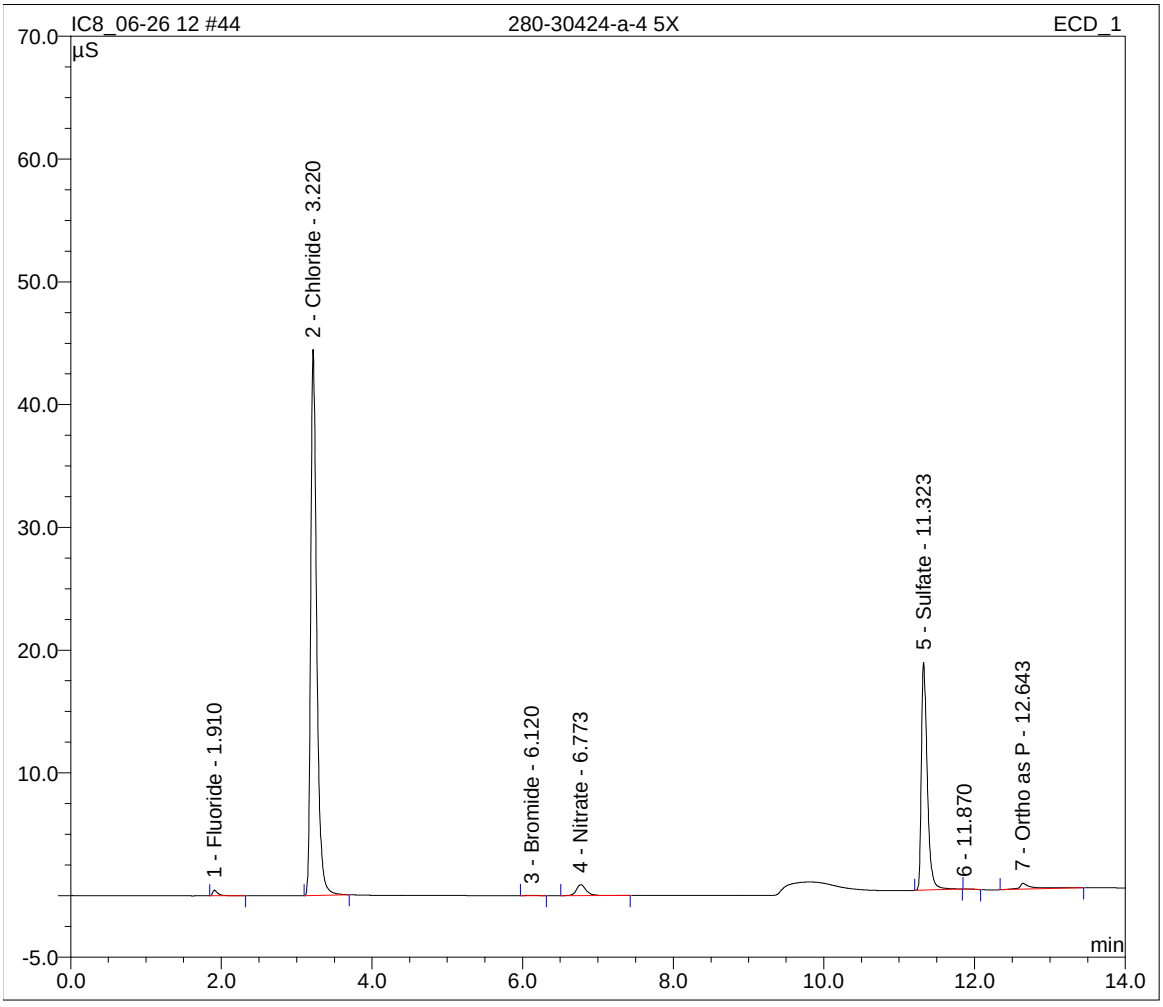
Sample Name:	**280-30441-d-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 18:41**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	0.210	2.489	0.8644
2	3.21	Chloride	BMB	17.635	186.594	127.3272
3	6.08	Bromide	BMB	0.016	0.120	0.3176
4	6.71	Nitrate	BMB	0.342	2.264	0.9872
5	11.19	Sulfate	BMB	17.810	101.091	161.0883
6	12.63	Ortho as P	BMB	0.140	1.053	0.0630
		TOTAL:		36.15	293.61	290.65



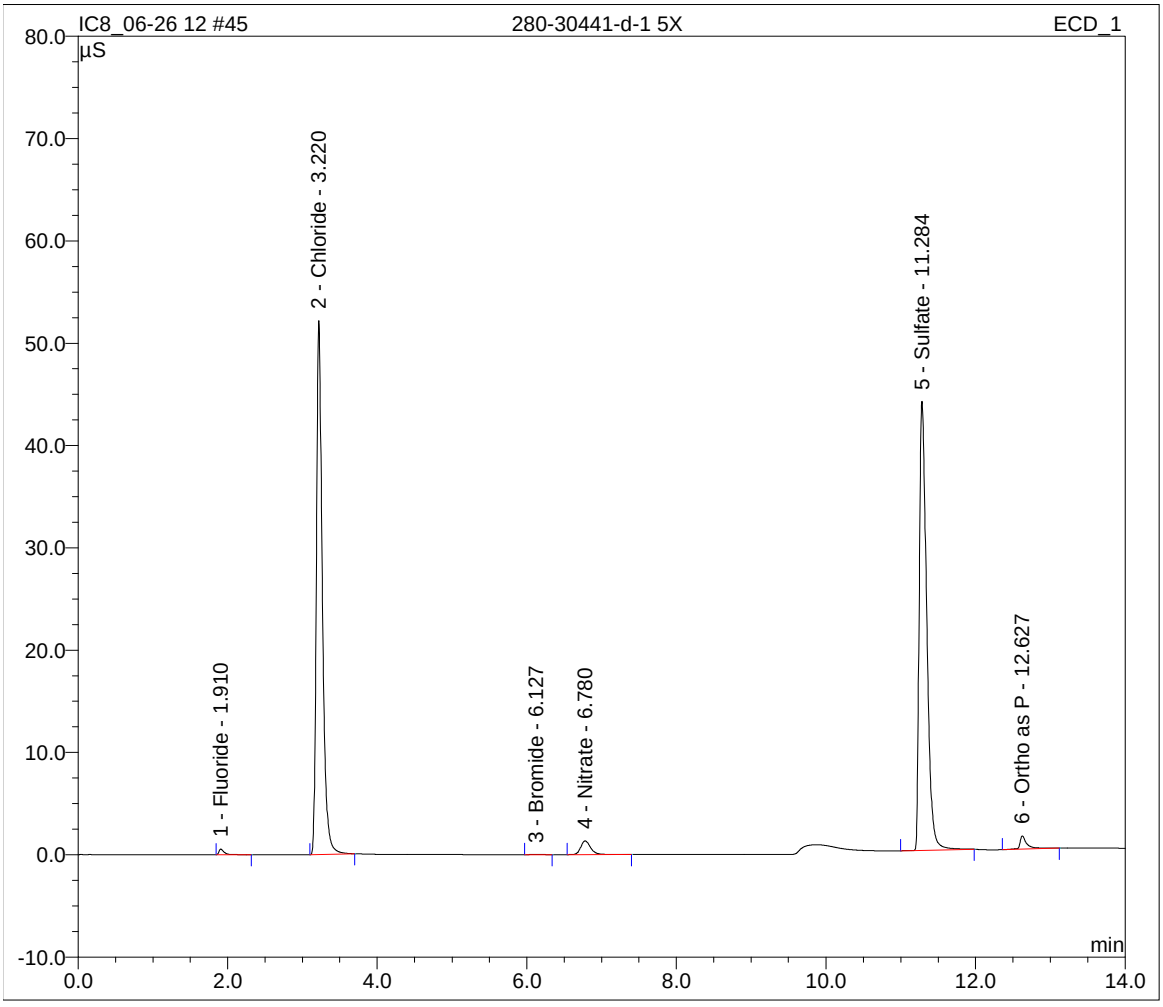
Sample Name:	**280-30424-a-4 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 18:58**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.038	0.464	0.6718
2	3.22	Chloride	BMB	4.097	44.461	148.0818
3	6.12	Bromide	BMB	0.001	0.010	0.3313
4	6.77	Nitrate	BMB	0.134	0.883	2.0149
5	11.32	Sulfate	BMB	1.708	18.562	75.9983
7	12.64	Ortho as P	BMB	0.103	0.482	-0.6429
		TOTAL:		6.08	64.86	226.46



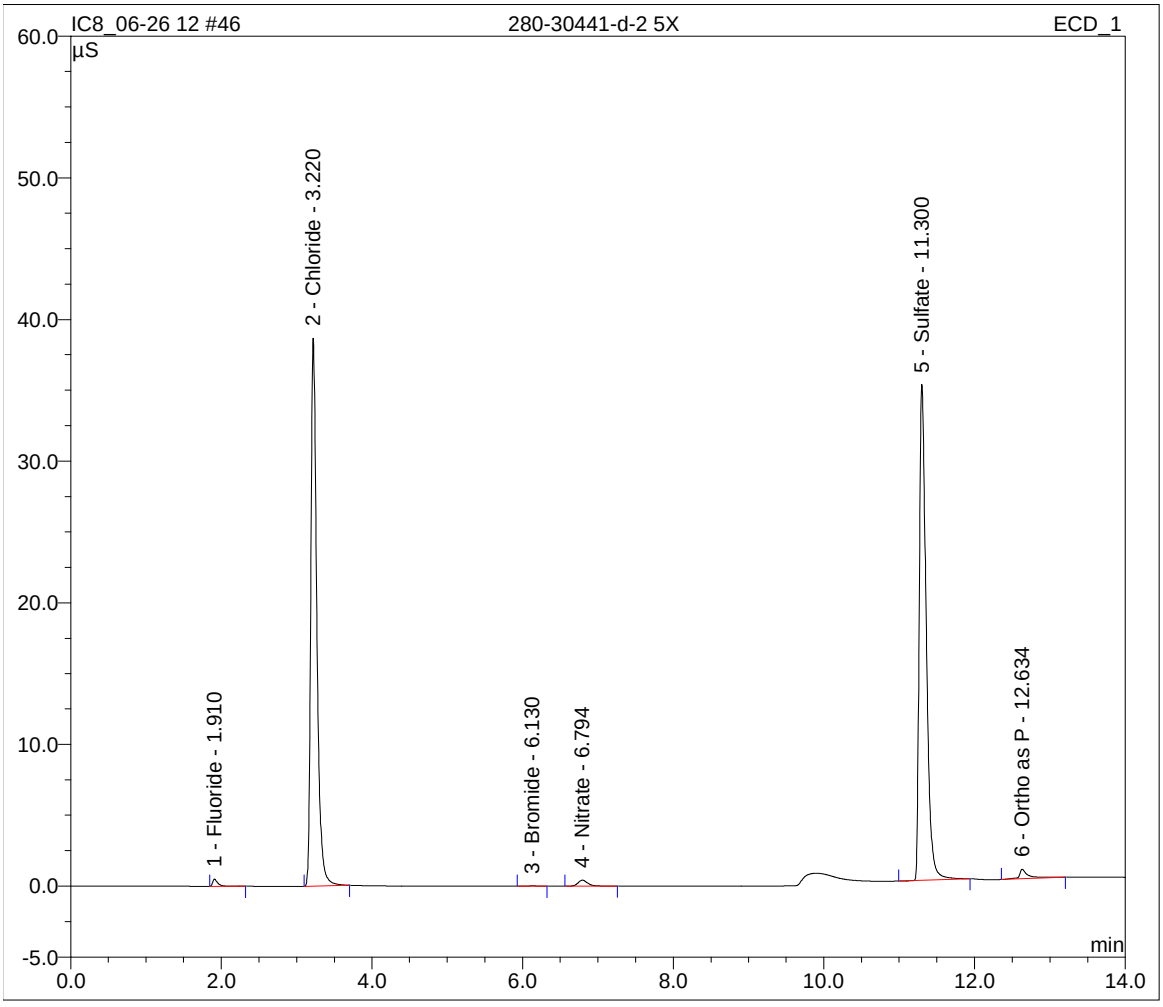
Sample Name:	**280-30441-d-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 19:15**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.046	0.558	0.8429
2	3.22	Chloride	BMB	4.837	52.205	174.7882
3	6.13	Bromide	BMB	0.002	0.018	0.4176
4	6.78	Nitrate	BMB	0.206	1.343	3.0258
5	11.28	Sulfate	BMB	5.083	43.874	228.8683
6	12.63	Ortho as P	BMB	0.144	1.297	0.4272
		TOTAL:		10.32	99.30	408.37



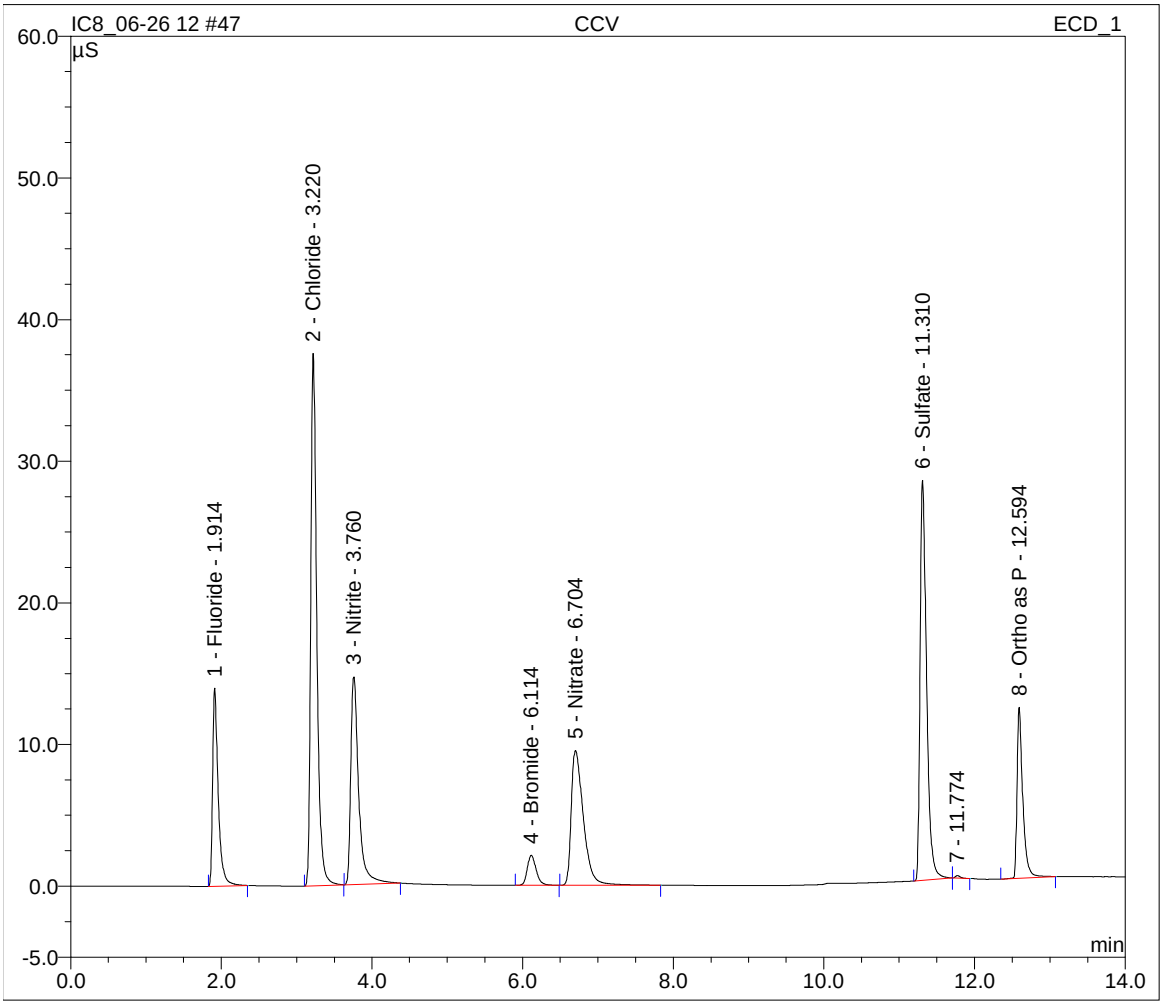
Sample Name:	**280-30441-d-2 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 19:32**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.042	0.518	0.7670
2	3.22	Chloride	BMB	3.570	38.679	129.0774
3	6.13	Bromide	BMB	0.003	0.023	0.4729
4	6.79	Nitrate	BMB	0.064	0.422	1.0185
5	11.30	Sulfate	BMB	3.780	34.999	169.8678
6	12.63	Ortho as P	BMB	0.096	0.669	-0.8299
		TOTAL:		7.56	75.31	300.37



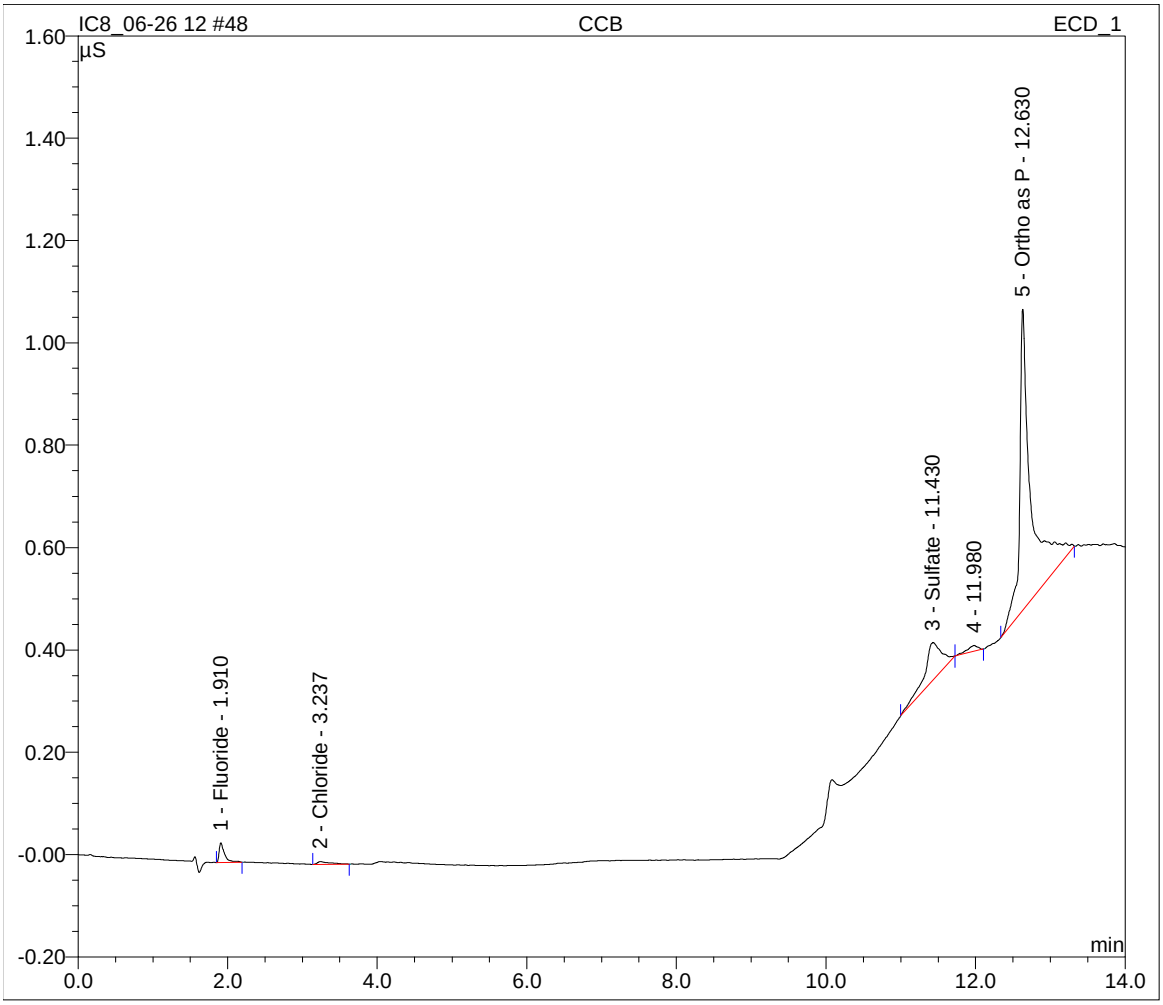
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 19:49**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.206	13.978	5.0683
2	3.22	Chloride	BMB	3.474	37.587	25.1255
3	3.76	Nitrite	BMB	1.782	14.672	4.9476
4	6.11	Bromide	BMB	0.290	2.121	4.9746
5	6.70	Nitrate	BMB	1.773	9.504	5.0187
6	11.31	Sulfate	BMb	2.850	28.221	25.5446
8	12.59	Ortho as P	BMB	1.075	12.055	4.9079
		TOTAL:		12.45	118.14	75.59



Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 20:05**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.003	0.039	-0.0109
2	3.24	Chloride	BMB	0.001	0.006	0.0571
3	11.43	Sulfate	BMB	0.019	0.074	-0.1055
5	12.63	Ortho as P	BMB	0.105	0.589	-0.1180
TOTAL:				0.13	0.71	-0.18



Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8
#Samples: 49
Created: 6/26/2012 9:12:51 AM by WETCHEMD
Last Update: 6/27/2012 5:36:16 AM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time	Weight
1	RT CHECK	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 10:39:00 AM	1.0000
2	cal1	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 10:55:48 AM	1.0000
3	cal2	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 11:12:36 AM	1.0000
4	cal3	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 11:29:24 AM	1.0000
5	cal4	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 11:46:12 AM	1.0000
6	cal5	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 12:03:00 PM	1.0000
7	cal6	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 12:19:49 PM	1.0000
8	BLK	Unknown	6	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 12:36:37 PM	1.0000
9	ICV STD#00813	Unknown	201	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 1:15:06 PM	1.0000
10	ICB	Unknown	187	10.0	7 Anion	7 ANION AS11	Finished	6/25/2012 1:31:54 PM	1.0000
11	ICV STD#00824	Unknown	426	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 8:48:25 AM	1.0000
12	ICB	Unknown	203	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 9:14:02 AM	1.0000
13	MRL 0.02	Unknown	203	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 9:30:50 AM	1.0000
14	LCS STD#00824	Unknown	194	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 9:47:39 AM	1.0000
15	LCSD	Unknown	193	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 10:04:27 AM	1.0000
16	MRL 0.05	Unknown	139	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 10:42:18 AM	1.0000
17	MB	Unknown	175	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 10:59:06 AM	1.0000
18	280-29862-k-1 50X	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 11:21:50 AM	1.0000
19	280-29862-k-1 500X	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 11:38:38 AM	1.0000
20	280-30425-b-1	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 12:15:21 PM	1.0000
21	280-30425-b-2	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 12:32:09 PM	1.0000
22	280-30425-b-3	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 12:48:57 PM	1.0000
23	280-30425-e-4	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 1:05:46 PM	1.0000
24	DU 280-30425-e-4	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 1:22:34 PM	1.0000
25	MS 280-30425-e-4	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 1:39:22 PM	1.0000
26	MSD 280-30425-e-4	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 1:56:11 PM	1.0000
27	280-30425-b-5	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 2:12:59 PM	1.0000
28	CCV	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 2:29:47 PM	1.0000
29	CCB	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 2:46:36 PM	1.0000
30	280-30425-b-6	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 3:03:23 PM	1.0000
31	280-30425-b-7	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 3:20:12 PM	1.0000
32	280-30425-b-8	Unknown	411	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 3:37:00 PM	1.0000
33	280-30424-a-3	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 3:53:48 PM	1.0000
34	280-30424-a-4	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 4:10:36 PM	1.0000
35	280-30424-a-5	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 4:27:25 PM	1.0000
36	280-30424-a-6	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 4:44:13 PM	1.0000
37	280-30447-i-1	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 5:01:01 PM	1.0000
38	280-30447-i-2	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 5:17:50 PM	1.0000
39	DU 280-30424-a-3	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 5:34:38 PM	1.0000
40	CCV	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 5:51:26 PM	1.0000
41	CCB	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 6:08:14 PM	1.0000
42	280-30441-d-1	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 6:25:03 PM	1.0000
43	280-30441-d-2	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 6:41:51 PM	1.0000
44	280-30424-a-4 5X	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 6:58:39 PM	1.0000

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/26/2012 9:12:51 AM by WETCHEMD
#Samples: 49 Last Update: 6/27/2012 5:36:16 AM by WETCHEMD

No.	Name	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	RT CHECK	1.0000	1.0000	100		EMK
2	cal1	1.0000	1.0000	101		EMK
3	cal2	1.0000	1.0000	102		EMK
4	cal3	1.0000	1.0000	103		EMK
5	cal4	1.0000	1.0000	104		EMK
6	cal5	1.0000	1.0000	105		EMK
7	cal6	1.0000	1.0000	106		EMK
8	BLK	1.0000	1.0000	107		EMK
9	ICV STD#00813	1.0000	1.0000	108		EMK
10	ICB	1.0000	1.0000	109		EMK
11	ICV STD#00824	1.0000	1.0000	110		EMK
12	ICB	1.0000	1.0000	111		EMK
13	MRL 0.02	1.0000	1.0000	112		EMK
14	LCS STD#00824	1.0000	1.0000	113		EMK
15	LCSD	1.0000	1.0000	114		EMK
16	MRL 0.05	1.0000	1.0000	115		EMK
17	MB	1.0000	1.0000	116		EMK
18	280-29862-k-1 50X	50.0000	1.0000	117		EMK
19	280-29862-k-1 500X	500.0000	1.0000	118		EMK
20	280-30425-b-1	1.0000	1.0000	119		EMK
21	280-30425-b-2	1.0000	1.0000	120		EMK
22	280-30425-b-3	1.0000	1.0000	121		EMK
23	280-30425-e-4	1.0000	1.0000	122		EMK
24	DU 280-30425-e-4	1.0000	1.0000	123		EMK
25	MS 280-30425-e-4	1.0000	1.0000	124		EMK
26	MSD 280-30425-e-4	1.0000	1.0000	125		EMK
27	280-30425-b-5	1.0000	1.0000	126		EMK
28	CCV	1.0000	1.0000	127		EMK
29	CCB	1.0000	1.0000	128		EMK
30	280-30425-b-6	1.0000	1.0000	129		EMK
31	280-30425-b-7	1.0000	1.0000	130		EMK
32	280-30425-b-8	1.0000	1.0000	131		EMK
33	280-30424-a-3	1.0000	1.0000	132		EMK
34	280-30424-a-4	1.0000	1.0000	133		EMK
35	280-30424-a-5	1.0000	1.0000	134		EMK
36	280-30424-a-6	1.0000	1.0000	135		EMK
37	280-30447-i-1	1.0000	1.0000	136		EMK
38	280-30447-i-2	1.0000	1.0000	137		EMK
39	DU 280-30424-a-3	1.0000	1.0000	138		EMK
40	CCV	1.0000	1.0000	139		EMK
41	CCB	1.0000	1.0000	140		EMK
42	280-30441-d-1	1.0000	1.0000	141		EMK
43	280-30441-d-2	1.0000	1.0000	142		EMK
44	280-30424-a-4 5X	5.0000	1.0000	143		EMK

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/26/2012 9:12:51 AM by WETCHEMD
#Samples: 49 Last Update: 6/27/2012 5:36:16 AM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time	Weight
45	280-30441-d-1 5X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 7:15:28 PM	1.0000
46	280-30441-d-2 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 7:32:15 PM	1.0000
47	CCV	Unknown	426	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 7:49:04 PM	1.0000
48	CCB	Unknown	426	10.0	7 Anion	7 ANION AS11	Finished	6/26/2012 8:05:52 PM	1.0000
49	END	Unknown	421	10.0	stop	7 ANION AS11	Finished	6/26/2012 8:22:40 PM	1.0000

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/26/2012 9:12:51 AM by WETCHEMD
#Samples: 49 Last Update: 6/27/2012 5:36:16 AM by WETCHEMD

No.	Name	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
45	280-30441-d-1 5X	5.0000	1.0000	144		EMK
46	280-30441-d-2 5X	5.0000	1.0000	145		EMK
47	CCV	1.0000	1.0000	146		EMK
48	CCB	1.0000	1.0000	147		EMK
49	END	1.0000	1.0000	148		EMK

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Pressure.LowerLimit =              200 [psi]
           Pressure.UpperLimit =              3000 [psi]
           %A.Equate =                        "DI H2O"
           CR_TC =                            On
           Pump_InjectValve.State             LoadPosition
           Data_Collection_Rate =             5.0 [Hz]
           CellTemperature.Nominal =          35.0 [°C]
           ColumnTemperature.Nominal =        30.0 [°C]
           Suppressor_Type =                  ASRS_4mm
           ; Pump_ECD.Hydroxide =             50.0
           ; Pump_ECD.Recommended Current =   124
           ; Pump_ECD.Carbonate =             0.0
           ; Pump_ECD.Bicarbonate =           0.0
           ; Pump_ECD.Tetraborate =           0.0
           ; Pump_ECD.Other eluent =          0.0
           Suppressor_Current =               125 [mA]
           Flow =                             1.00 [ml/min]

-2.700     Pump_ECD_Relay_1.Open              Duration=0.01
           Concentration =                    10.00 [mM]
           Curve =                            5

-2.500     Pump_ECD_Relay_1.Closed            Duration=0.01

 0.000     Autozero
           ECD_1.AcqOn
           Pump_InjectValve.InjectPosition    Duration=720.00

 7.500     Concentration =                    10.00 [mM]
           Curve =                            5

10.500     Concentration =                    40.00 [mM]
           Curve =                            5

10.600     Concentration =                    50.00 [mM]
           Curve =                            5

12.500     Concentration =                    50.00 [mM]
           Curve =                            5

12.600     Concentration =                    10.00 [mM]
           Curve =                            5

13.000     Concentration =                    10.00 [mM]
```

Chromeleon © Dionex Corporation, Version 6.80 SP3 Build 2345 (128616)

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Curve =                          5

14.000     ECD_1.AcqOff
           End
```

Chromeleon © Dionex Corporation, Version 6.80 SP3 Build 2345 (128616)

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ
Timebase: ICS-8
Created: 3/20/2008 10:44:59 AM by kudlae
Changed: 3/31/2008 10:13:48 AM by kudlae

No.	Channel	Operation	Parameters

Title: Stop
Datasource: D3YCYMF1_local Created: 3/11/2008 4:10:47 PM by Test America Labs
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ
Timebase: ICS-8 Changed: 3/11/2008 4:10:47 PM by Test America Labs

```
           ColumnTemperature =                Off
           CellTemperature.Nominal =          Off
; Pump_ECD.Hydroxide =                        50.0
; Pump_ECD.Recommended Current =              124
; Pump_ECD.Carbonate =                        0.0
; Pump_ECD.Bicarbonate =                      0.0
; Pump_ECD.Tetraborate =                      0.0
; Pump_ECD.Other eluent =                     0.0
           Pressure.LowerLimit =              200
           Pressure.UpperLimit =              3000
           %A.Equate =                        "DI H2O"
           CR_TC =                            Off
           ;LoadPosition
           Data_Collection_Rate =             5.0
           Suppressor_Type =                  ASRS_4mm
           Suppressor_Current =               124
           Suppressor_Mode =                  Off
           ECD_Total.Step =                   0.50
           ECD_Total.Average =                Off
           Channel_Pressure.Step =            0.50
           Channel_Pressure.Average =         Off

           Pump_ECD_Relay_1.Open
           Concentration =                    10.00
           Curve =                            5

           Pump_ECD_Relay_1.State             Open
           Mode =                             Off
           Flow =                             1.00

 0.000     off

           End
```

Chromeleon © Dionex Corporation, Version 6.80 SP3 Build 2345 (128616)

Title: Stop
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ
Timebase: ICS-8
Created: 3/11/2008 4:10:47 PM by Test America Labs
Changed: 3/11/2008 4:10:47 PM by Test America Labs

No.	Channel	Operation	Parameters

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

Blank Run Subtraction: No Blank Run Subtraction

Detection Table:

No.	Ret. Time [min]	Param. Name	Param. Value	Channel
1	0.000	Minimum Area	0.5E-3 "[Signal]*min"	All Channels
2	0.000	Sensitivity	0.8E-3 "[Signal]"	All Channels
3	0.000	Inhibit Integration	On	All Channels
4	0.000	Valley to Valley	On	All Channels
5	0.000	Fronting Sensitivity Factor	5.0	All Channels
6	0.000	Tailing Sensitivity Factor	6.0	All Channels
7	1.500	Void Volume Treatment	On	All Channels
8	1.500	Inhibit Integration	Off	All Channels
9	1.800	Void Volume Treatment	Off	All Channels
10	2.000	Maximum Width	0.75 min	All Channels
11	8.200	Inhibit Integration	On	All Channels
12	11.000	Inhibit Integration	Off	All Channels

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Group	Comment	Amount BLK	Amount cal1
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*		*Autogenerated*	*0.000000*	*0.200000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.000000
3	Chloride	3.200 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
5	Bromide	6.200 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
6	Nitrate	6.800 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
7	Sulfate	11.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Amount cal2	Amount cal3	Amount cal4	Amount cal5	Amount cal6
1	*Fluoride*	*1.900 min*	*0.500000*	*1.000000*	*4.000000*	*8.000000*	*10.000000*
2	Acetate	2.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
3	Chloride	3.200 min	2.500000	5.000000	20.000000	40.000000	50.000000
4	Nitrite	3.800 min	0.500000	1.000000	4.000000	8.000000	10.000000
5	Bromide	6.200 min	0.500000	1.000000	4.000000	8.000000	10.000000
6	Nitrate	6.800 min	0.500000	1.000000	4.000000	8.000000	10.000000
7	Sulfate	11.300 min	2.500000	5.000000	20.000000	40.000000	50.000000
8	Ortho as P	12.600 min	0.500000	1.000000	4.000000	8.000000	10.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Left Limit	Right Limit	Group	Resp.Fact.
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*	*0.000*	*0.000*		*1.000000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
3	Chloride	3.200 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
5	Bromide	6.200 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
6	Nitrate	6.800 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
7	Sulfate	11.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Comment
1	*Fluoride*	*1.900 min*	*Autogenerated*
2	Acetate	2.700 min	Autogenerated
3	Chloride	3.200 min	Autogenerated
4	Nitrite	3.800 min	Autogenerated
5	Bromide	6.200 min	Autogenerated
6	Nitrate	6.800 min	Autogenerated
7	Sulfate	11.300 min	Autogenerated
8	Ortho as P	12.600 min	Autogenerated

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Smp.No.	Pos.	Inj. Vol.	Weight	ISTD Amount	Dil. Factor	Inj. Date/Time	Sample Comment
1	☒	cal1	2	151	10.0	1.0000	1.0000	1.0000	6/25/2012 10:5	EMK
2	☒	cal2	3	151	10.0	1.0000	1.0000	1.0000	6/25/2012 11:1	EMK
3	☒	cal3	4	151	10.0	1.0000	1.0000	1.0000	6/25/2012 11:2	EMK
4	☒	cal4	5	151	10.0	1.0000	1.0000	1.0000	6/25/2012 11:4	EMK
5	☒	cal5	6	151	10.0	1.0000	1.0000	1.0000	6/25/2012 12:0	EMK
6	☒	cal6	7	151	10.0	1.0000	1.0000	1.0000	6/25/2012 12:1	EMK

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Calib.	Comment
1	☒	cal1	Ok	
2	☒	cal2	Ok	
3	☒	cal3	Ok	
4	☒	cal4	Ok	
5	☒	cal5	Ok	
6	☒	cal6	Ok	

Title: 9056

Datasource:	D3YCYMF1_local	Created:	7/13/2004 10:19:05 PM by COONL
Location:	ICS-8\data\2012\06 12\IC8_06-26 12.SEQ	Last Update:	6/25/2012 10:58:55 AM by WETCHEMD

System Suitability Test:

No.	Name	Sample Condition	Test Condition	Aggregate	Operator	Value	Channel	Peak	N.A.
1									

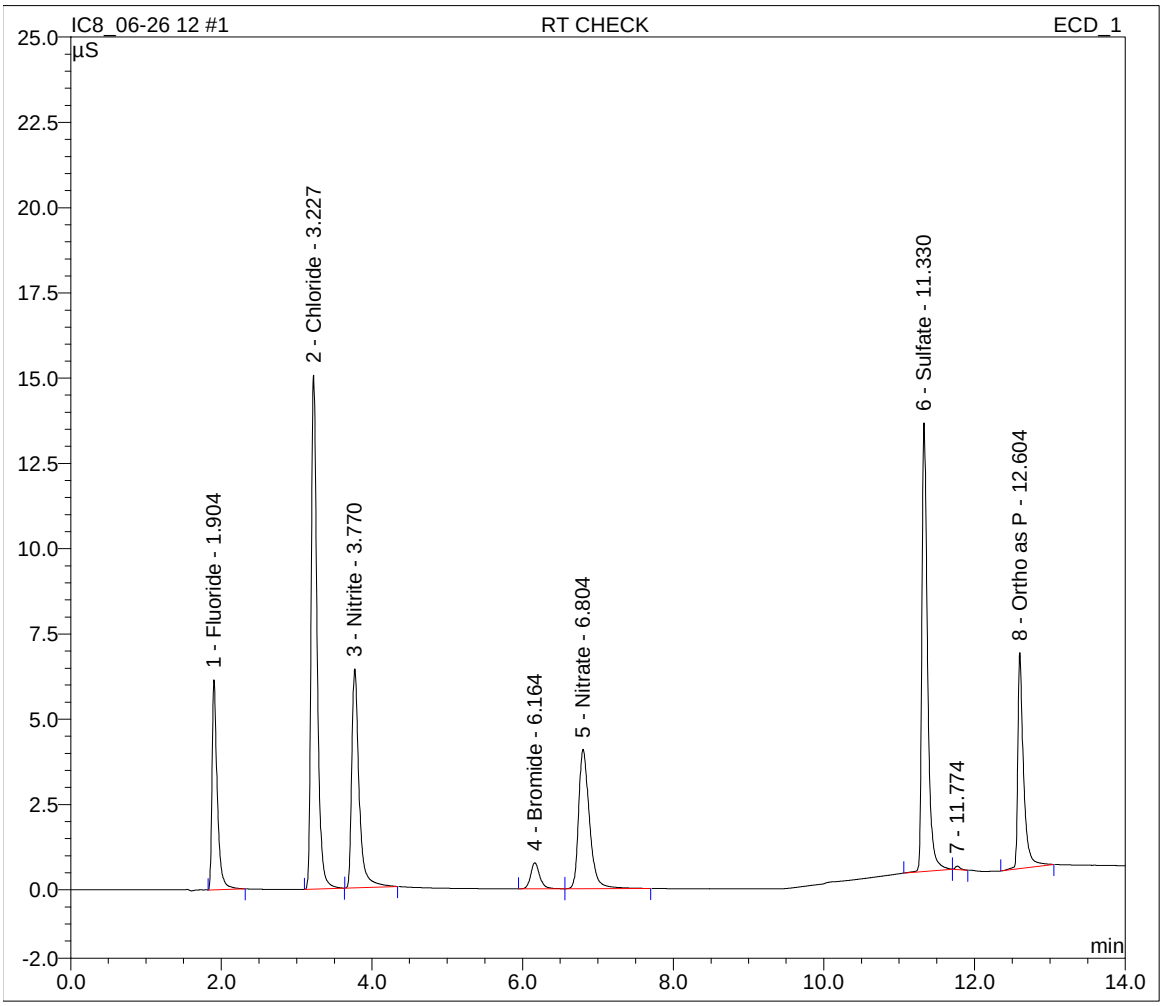
Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-26 12.SEQ Last Update: 6/25/2012 10:58:55 AM by WETCHEMD

System Suitability Test:

No.	Name	Fail-Action	Result	SST Message	Rounding
1					

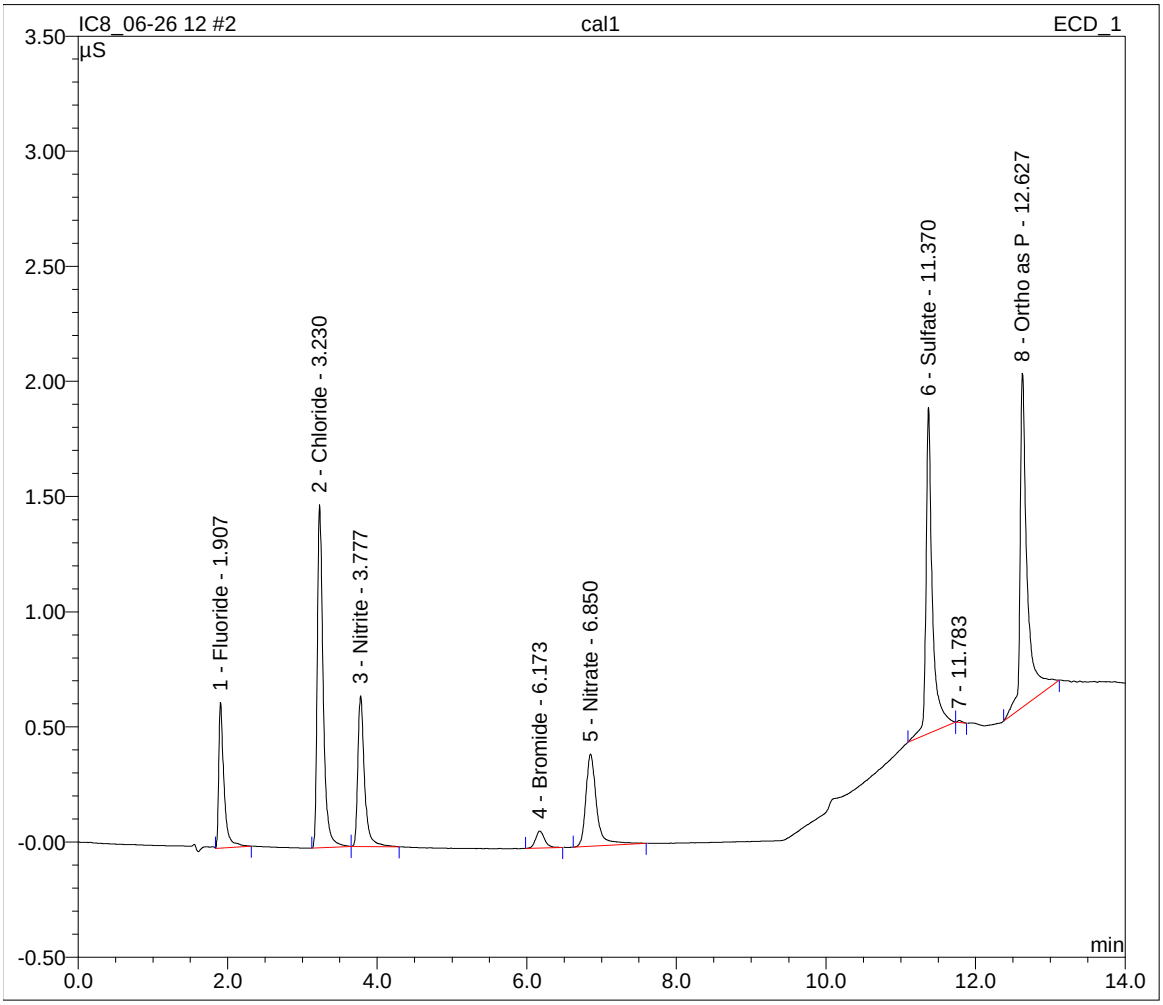
Sample Name:	**RT CHECK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 10:39**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	0.496	6.147	2.0713
2	3.23	Chloride	BMB	1.376	15.070	9.9785
3	3.77	Nitrite	BMB	0.723	6.427	2.0203
4	6.16	Bromide	BMB	0.106	0.761	1.8482
5	6.80	Nitrate	BMB	0.681	4.080	1.9432
6	11.33	Sulfate	BMb	1.158	13.153	10.2101
8	12.60	Ortho as P	BMB	0.565	6.336	2.2661
		TOTAL:		5.11	51.97	30.34



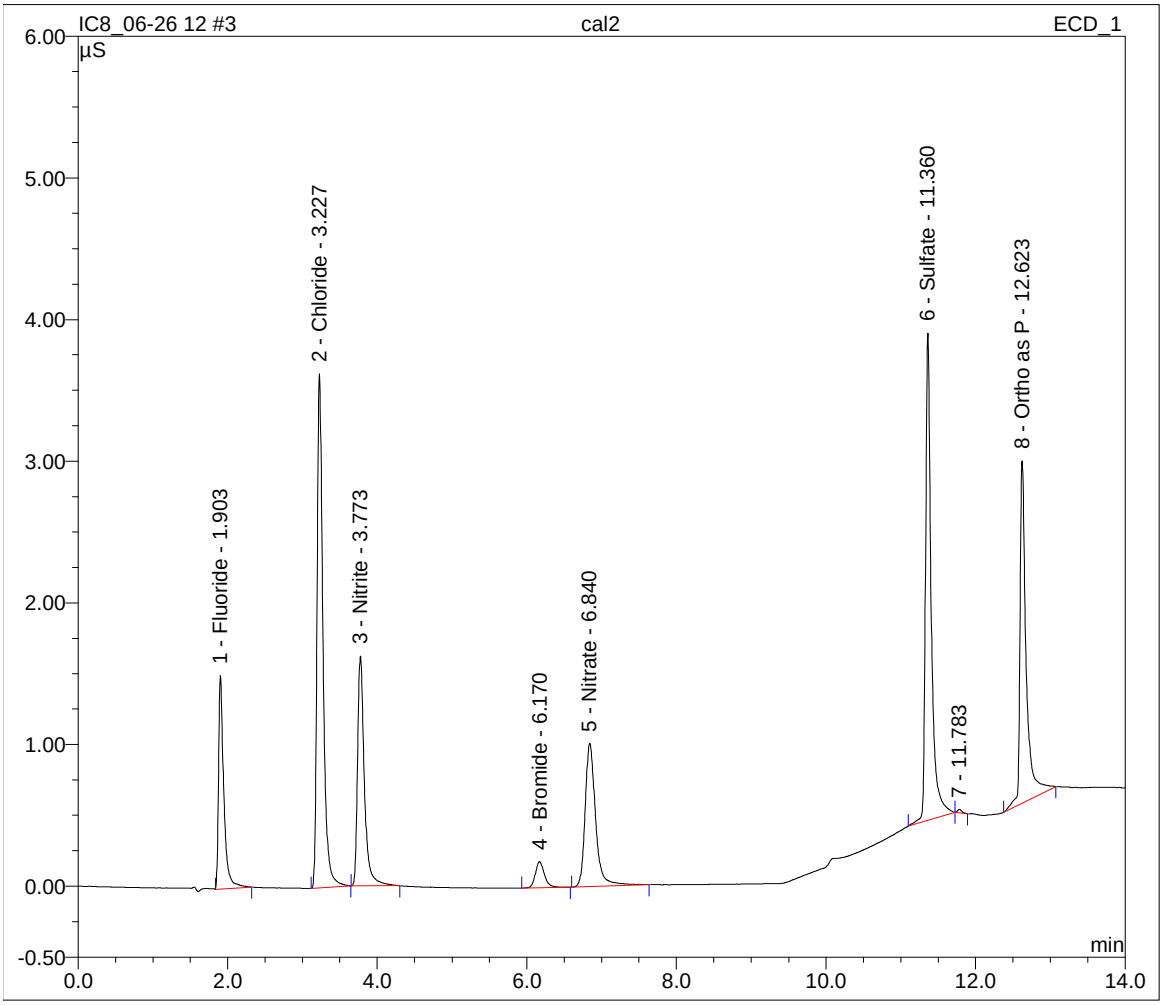
Sample Name:	**cal1**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 10:55**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.052	0.632	0.1948
2	3.23	Chloride	BMB	0.137	1.490	1.0358
3	3.78	Nitrite	BMB	0.068	0.655	0.2071
4	6.17	Bromide	BMB	0.010	0.074	0.2195
5	6.85	Nitrate	BMB	0.067	0.401	0.2132
6	11.37	Sulfate	BMb	0.140	1.416	0.9943
8	12.63	Ortho as P	BMB	0.159	1.450	0.1644
		TOTAL:		0.63	6.12	3.03



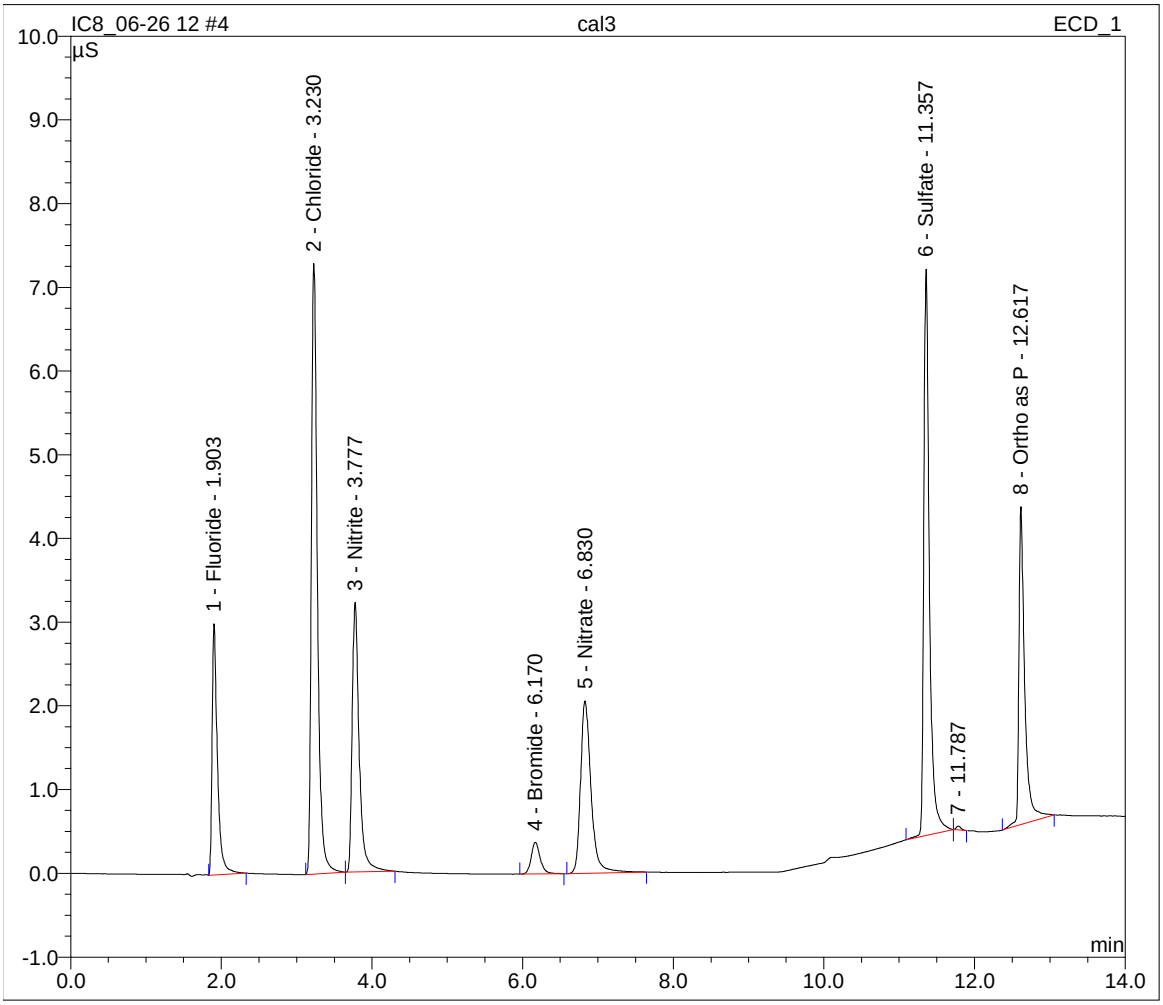
Sample Name:	**cal2**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 11:12**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	0.123	1.507	0.4958
2	3.23	Chloride	BMB	0.334	3.627	2.4627
3	3.77	Nitrite	BMB	0.170	1.622	0.4901
4	6.17	Bromide	BMB	0.026	0.184	0.4870
5	6.84	Nitrate	BMB	0.164	1.011	0.4857
6	11.36	Sulfate	BMb	0.306	3.439	2.4923
8	12.62	Ortho as P	BMB	0.230	2.416	0.5278
		TOTAL:		1.35	13.81	7.44



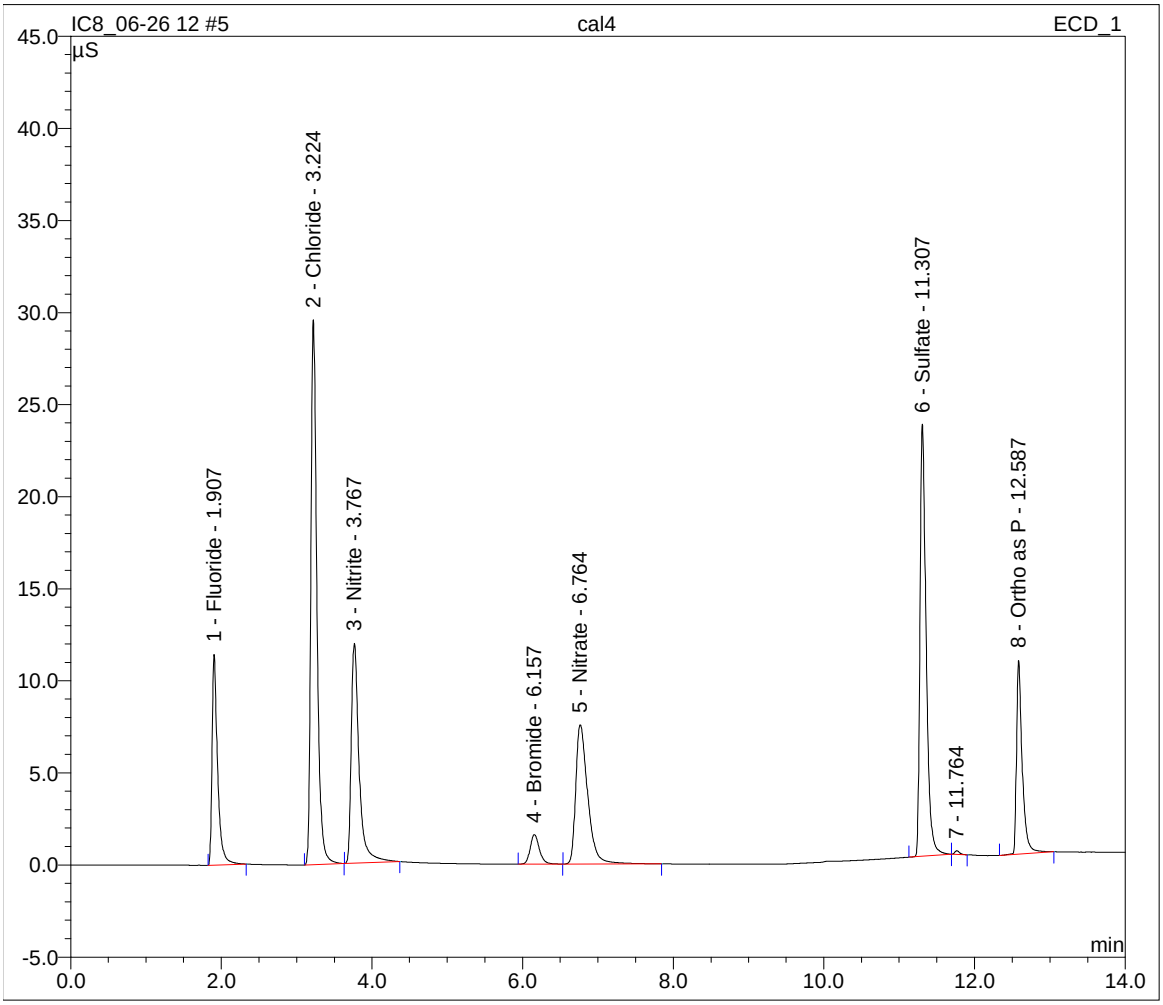
Sample Name:	**cal3**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 11:29**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	0.247	3.002	1.0171
2	3.23	Chloride	BMb	0.671	7.294	4.8939
3	3.78	Nitrite	bMB	0.345	3.220	0.9757
4	6.17	Bromide	BMB	0.053	0.378	0.9365
5	6.83	Nitrate	BMB	0.333	2.056	0.9612
6	11.36	Sulfate	BMb	0.584	6.767	5.0132
8	12.62	Ortho as P	BMB	0.341	3.800	1.1054
		TOTAL:		2.57	26.52	14.90



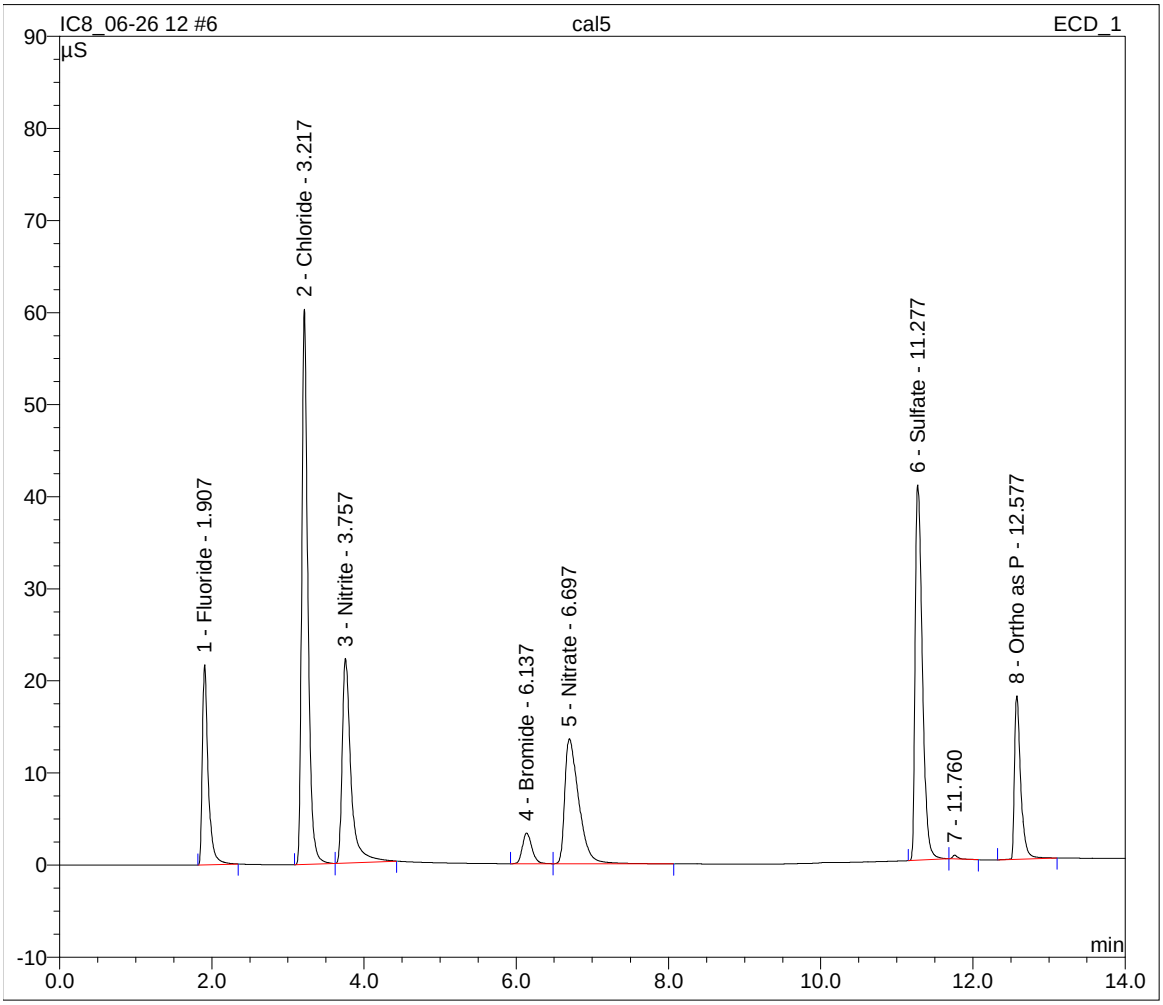
Sample Name:	**cal4**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 11:46**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.976	11.448	4.0991
2	3.22	Chloride	BMB	2.738	29.605	19.8084
3	3.77	Nitrite	BMB	1.441	11.950	4.0055
4	6.16	Bromide	BMB	0.226	1.597	3.8798
5	6.76	Nitrate	BMB	1.395	7.541	3.9535
6	11.31	Sulfate	BMb	2.248	23.462	20.0907
8	12.59	Ortho as P	BMB	0.933	10.518	4.1699
TOTAL:				9.96	96.12	60.01



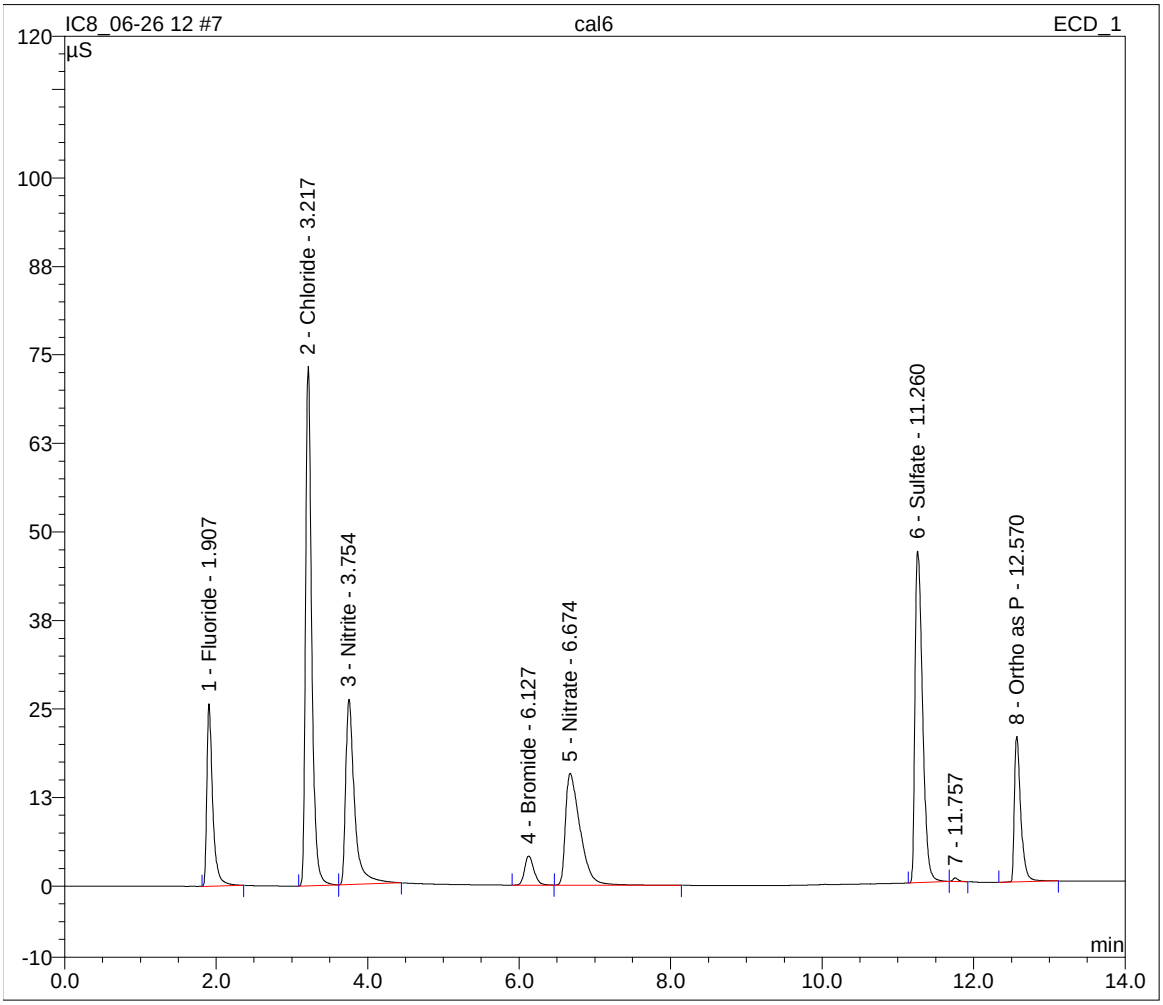
Sample Name:	**cal5**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 12:03**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.932	21.752	8.1384
2	3.22	Chloride	BMb	5.646	60.318	40.7971
3	3.76	Nitrite	bMB	2.956	22.236	8.1946
4	6.14	Bromide	BMB	0.479	3.332	8.1854
5	6.70	Nitrate	BMB	2.890	13.554	8.1660
6	11.28	Sulfate	BMb	4.522	40.748	40.6905
8	12.58	Ortho as P	BMB	1.681	17.748	8.0490
		TOTAL:		20.11	179.69	122.22



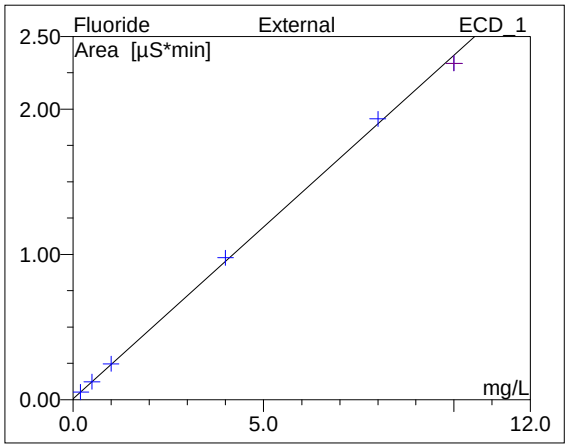
Sample Name:	**cal6**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 12:19**	*Run Time:*	**14.00**

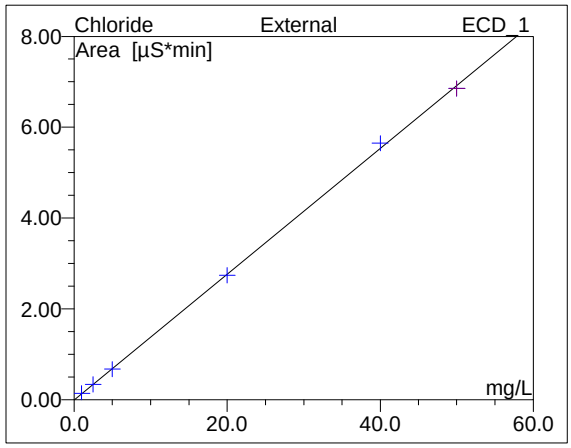
No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	2.315	25.717	9.7549
2	3.22	Chloride	BMb	6.852	73.288	49.5022
3	3.75	Nitrite	bMB	3.546	26.160	9.8269
4	6.13	Bromide	BMB	0.585	4.094	9.9919
5	6.67	Nitrate	BMB	3.513	15.766	9.9203
6	11.26	Sulfate	BMb	5.463	46.800	49.2191
8	12.57	Ortho as P	BMB	1.997	20.501	9.6835
		TOTAL:		24.27	212.33	147.90

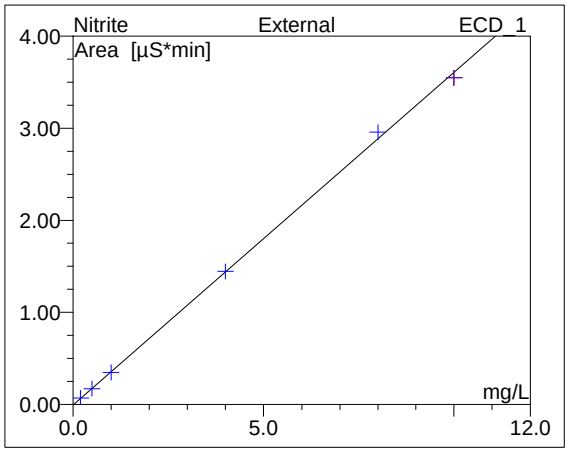


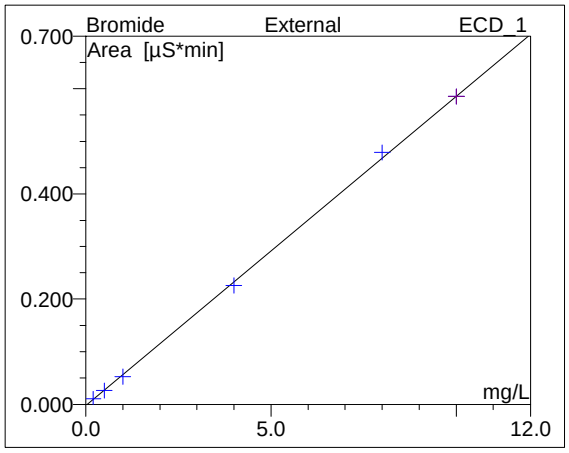
Calibration Batch Report

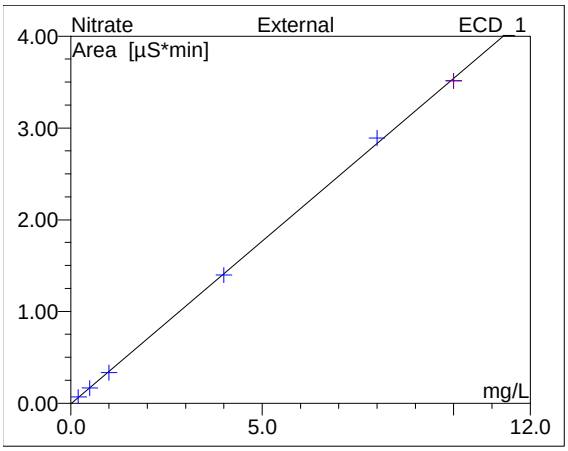
Sequence:	**IC8_06-26 12**	Inj. Vol.:	**10.0**
Program:	**7 Anion**	Operator:	**DENPC241**
Inj. Date/Time:	**06/25/12 12:19**	Run Time:	**14.00**

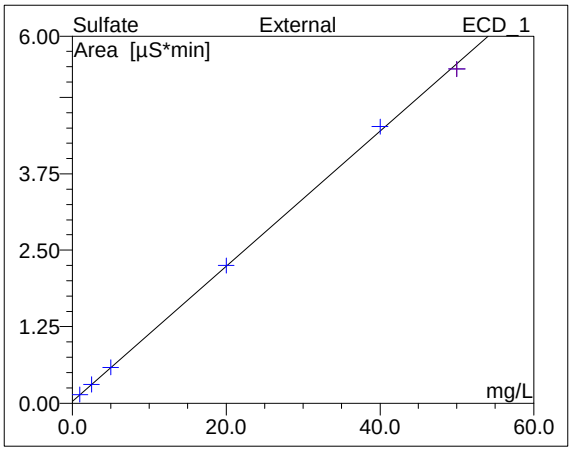




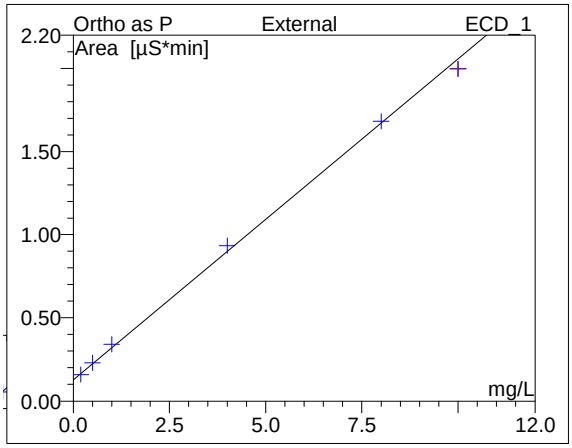








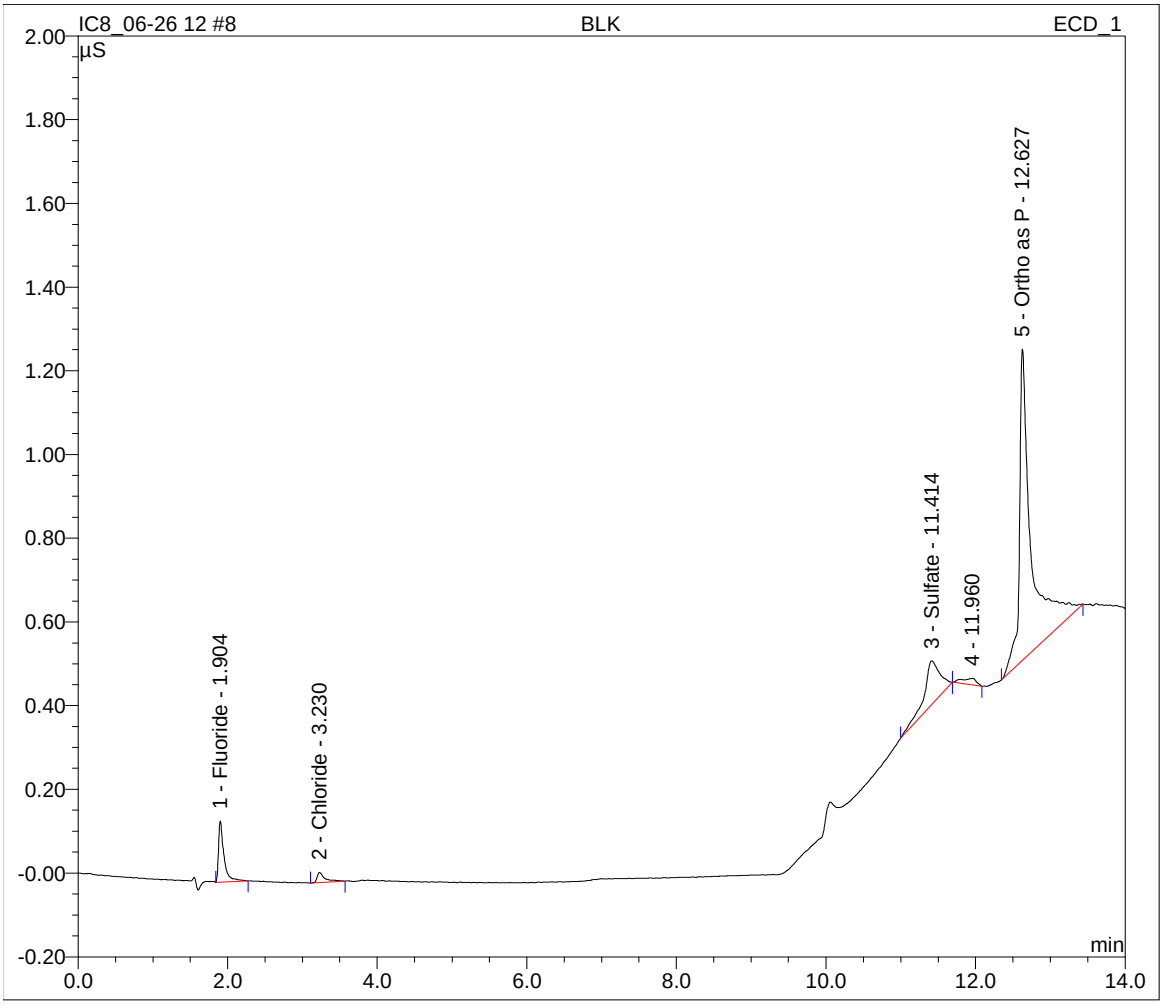
Program:	**7 Anion**	*Operator:*	**n.a.**
Ini. Date/Time:	**06/25/12 12:19**	*Run Time:*	**14.00**



No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
1	1.91	Fluoride	XLOff	6	0.006	0.237	0.000	99.971
2	3.22	Chloride	XLOff	6	-0.007	0.139	0.000	99.986
3	3.75	Nitrite	XLOff	6	-0.007	0.362	0.000	99.977
4	6.13	Bromide	XLOff	6	-0.003	0.059	0.000	99.964
5	6.67	Nitrate	XLOff	6	-0.009	0.355	0.000	99.981
6	11.26	Sulfate	XLOff	6	0.031	0.110	0.000	99.987
8	12.57	Ortho as P	XLOff	6	0.128	0.193	0.000	99.906
AVERAGE:					0.0199	0.2077	0.0000	99.9675

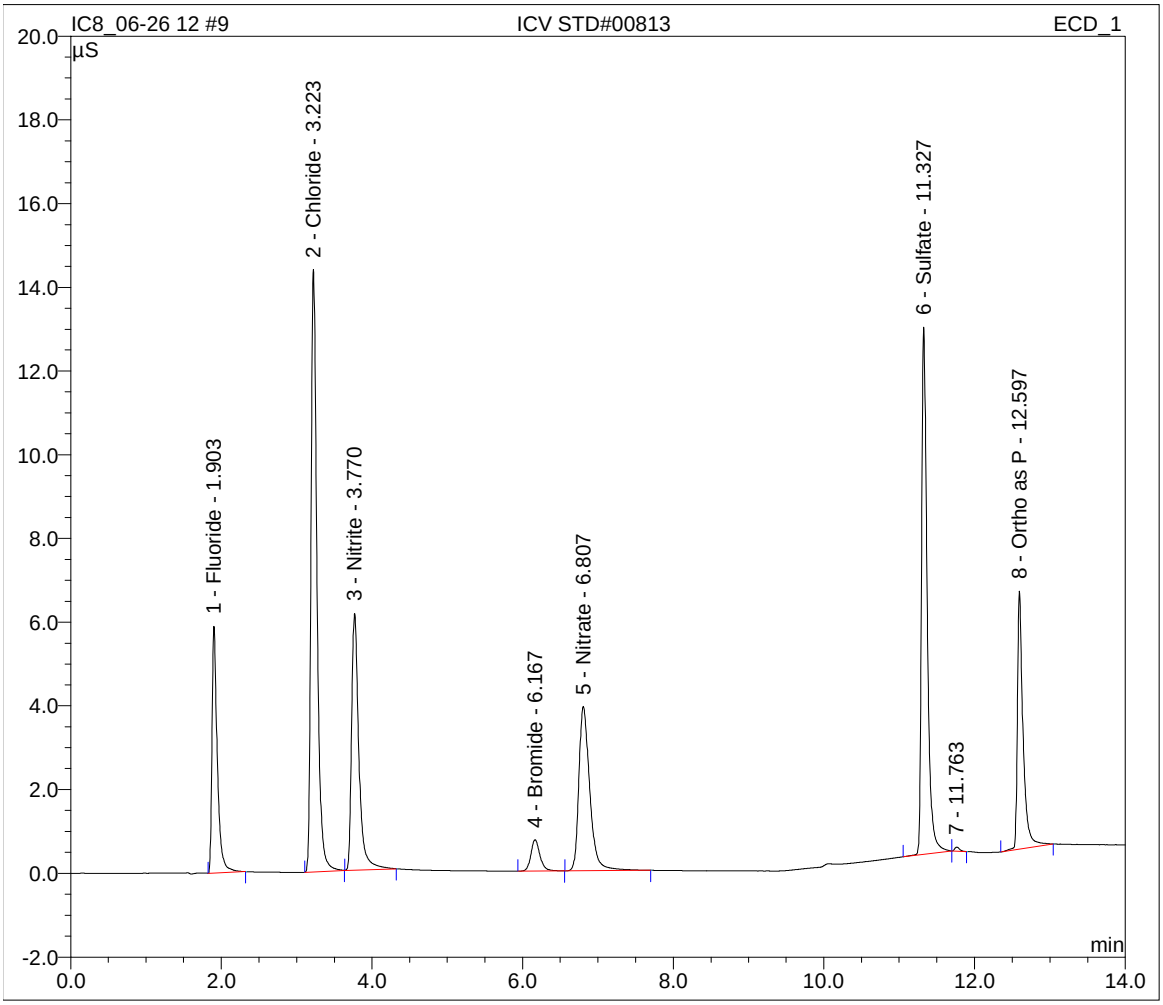
Sample Name:	**BLK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 12:36**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	0.012	0.146	0.0280
2	3.23	Chloride	BMB	0.003	0.024	0.0704
3	11.41	Sulfate	BMb	0.025	0.105	-0.0472
5	12.63	Ortho as P	BMB	0.138	0.743	0.0515
		TOTAL:		0.18	1.02	0.10



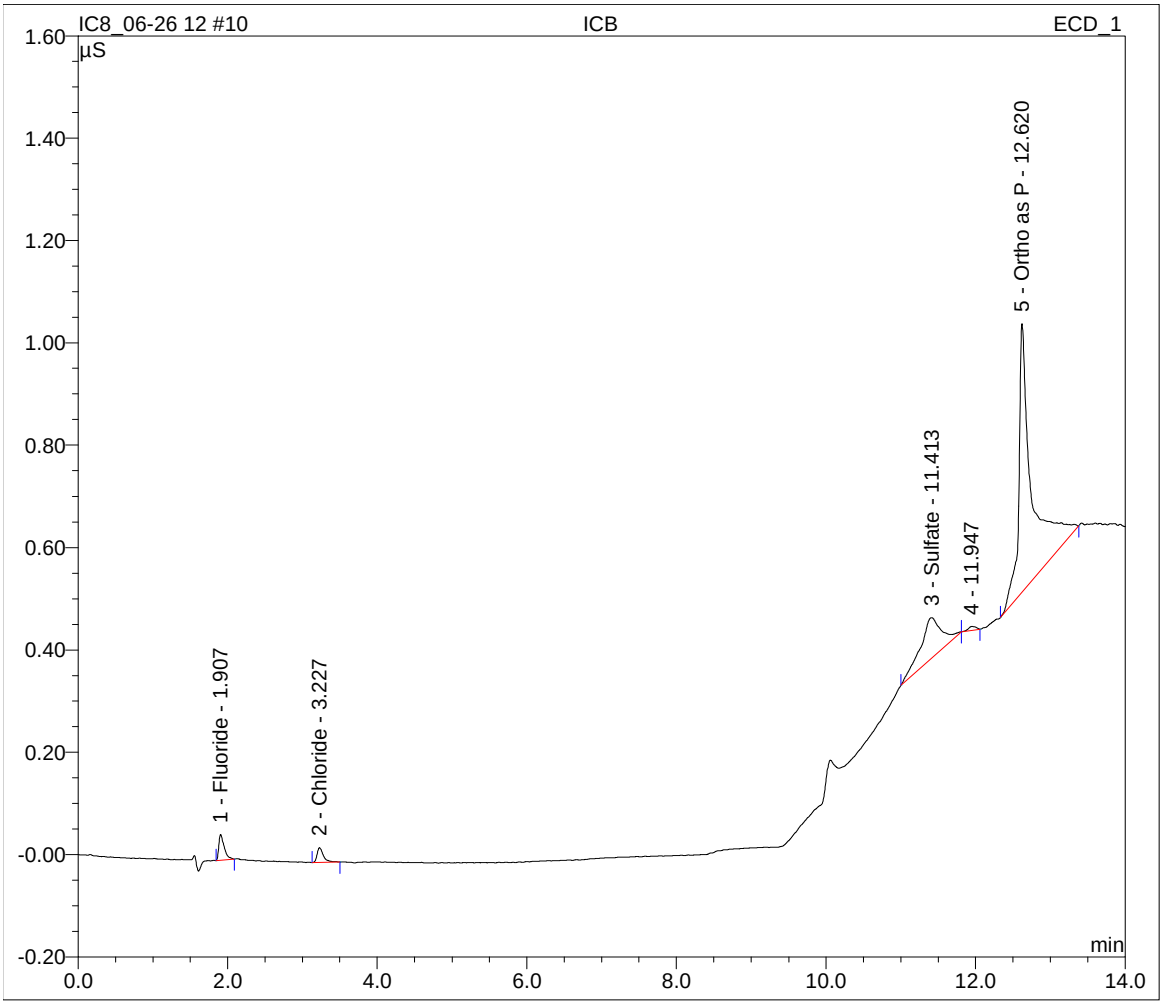
Sample Name:	**ICV STD#00813**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 13:15**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	0.484	5.901	2.0214
2	3.22	Chloride	BMB	1.322	14.391	9.5923
3	3.77	Nitrite	BMB	0.681	6.133	1.9036
4	6.17	Bromide	BMB	0.104	0.744	1.8126
5	6.81	Nitrate	BMB	0.660	3.923	1.8849
6	11.33	Sulfate	BMb	1.100	12.595	9.6847
8	12.60	Ortho as P	BMB	0.540	6.167	2.1356
		TOTAL:		4.89	49.85	29.04



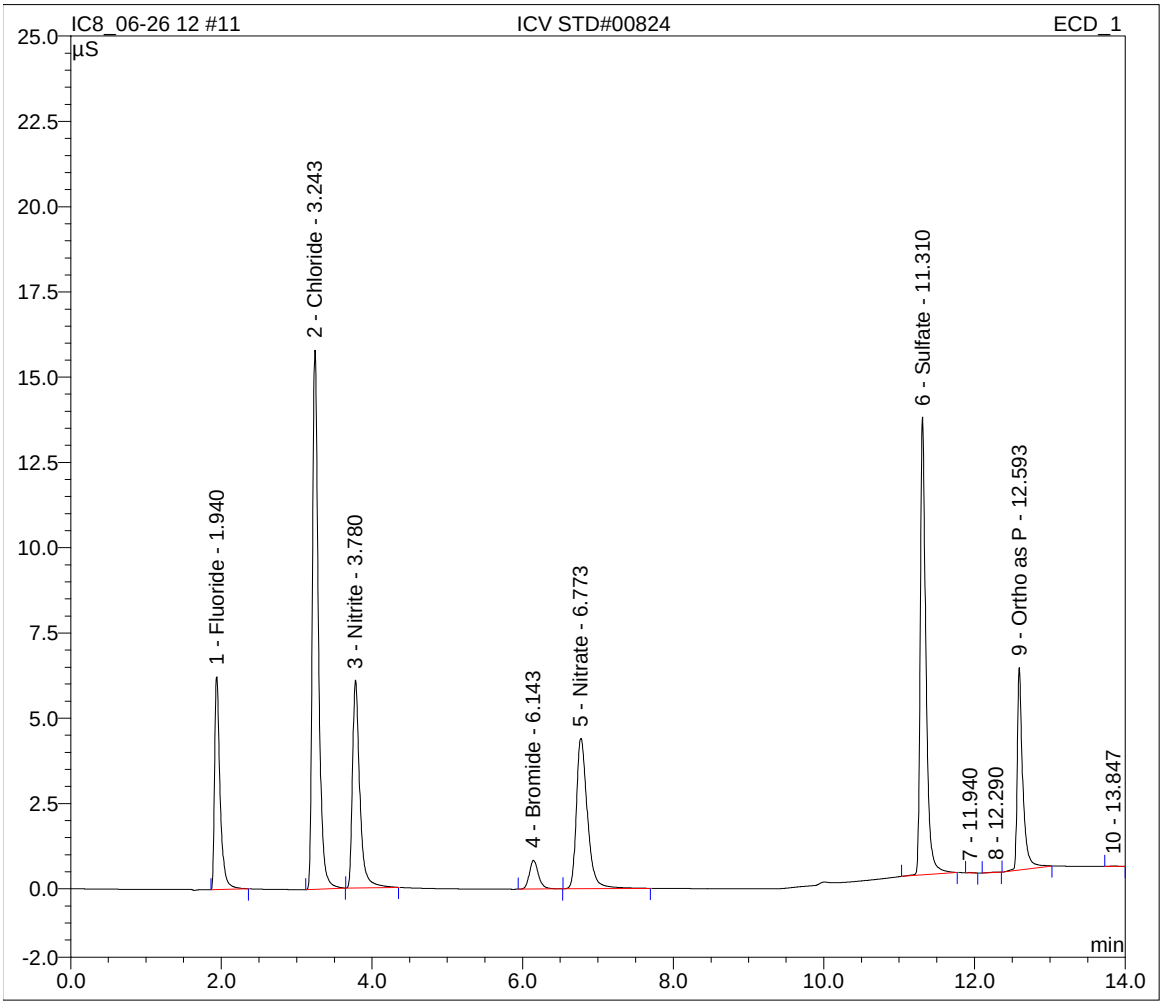
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**25.06.12 13:31**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.004	0.050	-0.0068
2	3.23	Chloride	BMB	0.003	0.029	0.0694
3	11.41	Sulfate	BMB	0.026	0.079	-0.0425
5	12.62	Ortho as P	BMB	0.108	0.526	-0.1028
TOTAL:				0.14	0.68	-0.08



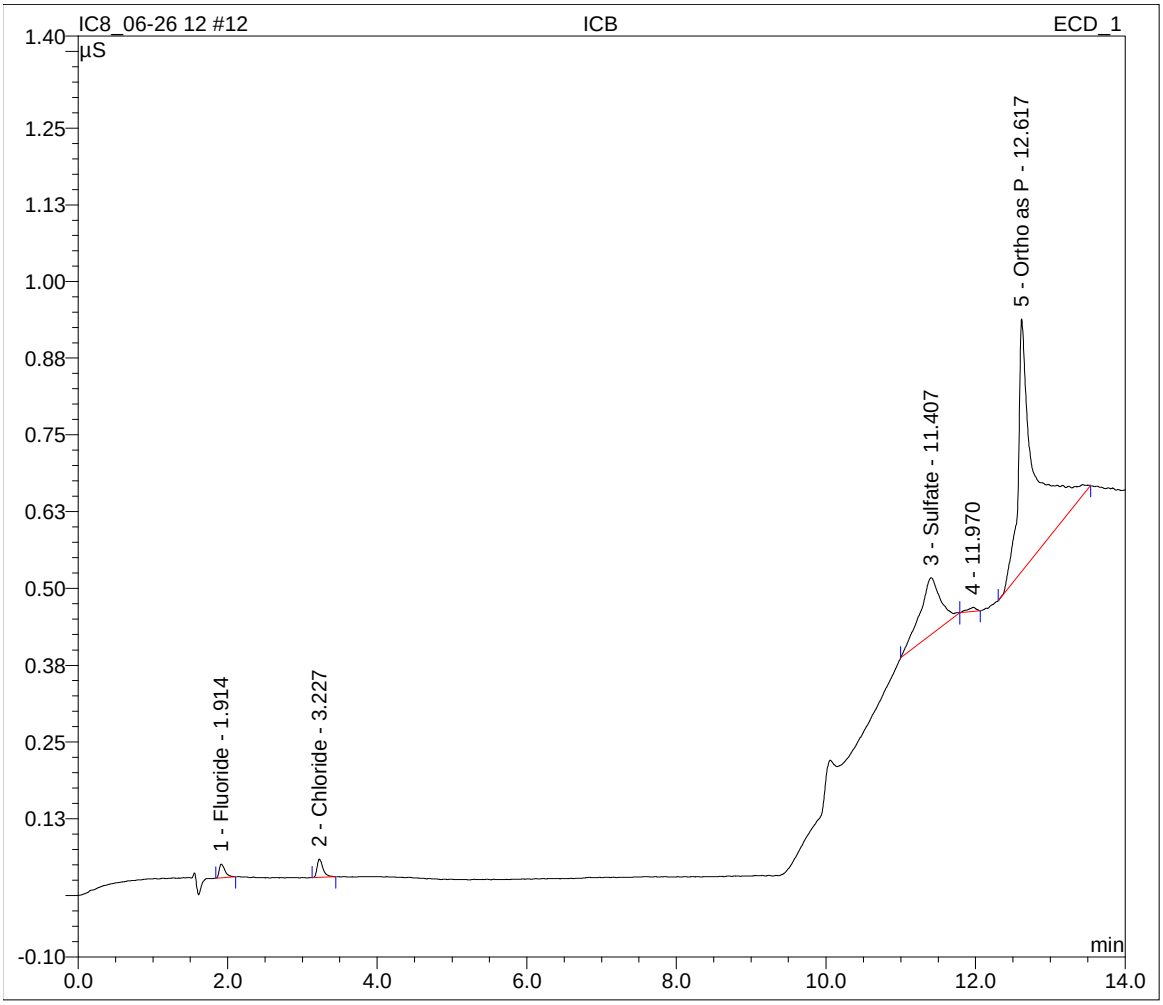
Sample Name:	**ICV STD#00824**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 08:48**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	0.522	6.244	2.1807
2	3.24	Chloride	BMB	1.466	15.809	10.6309
3	3.78	Nitrite	BMB	0.681	6.086	1.9045
4	6.14	Bromide	BMB	0.118	0.840	2.0460
5	6.77	Nitrate	BMB	0.747	4.402	2.1288
6	11.31	Sulfate	BMB	1.190	13.418	10.5059
9	12.59	Ortho as P	BMB	0.507	5.938	1.9645
TOTAL:				5.23	52.74	31.36



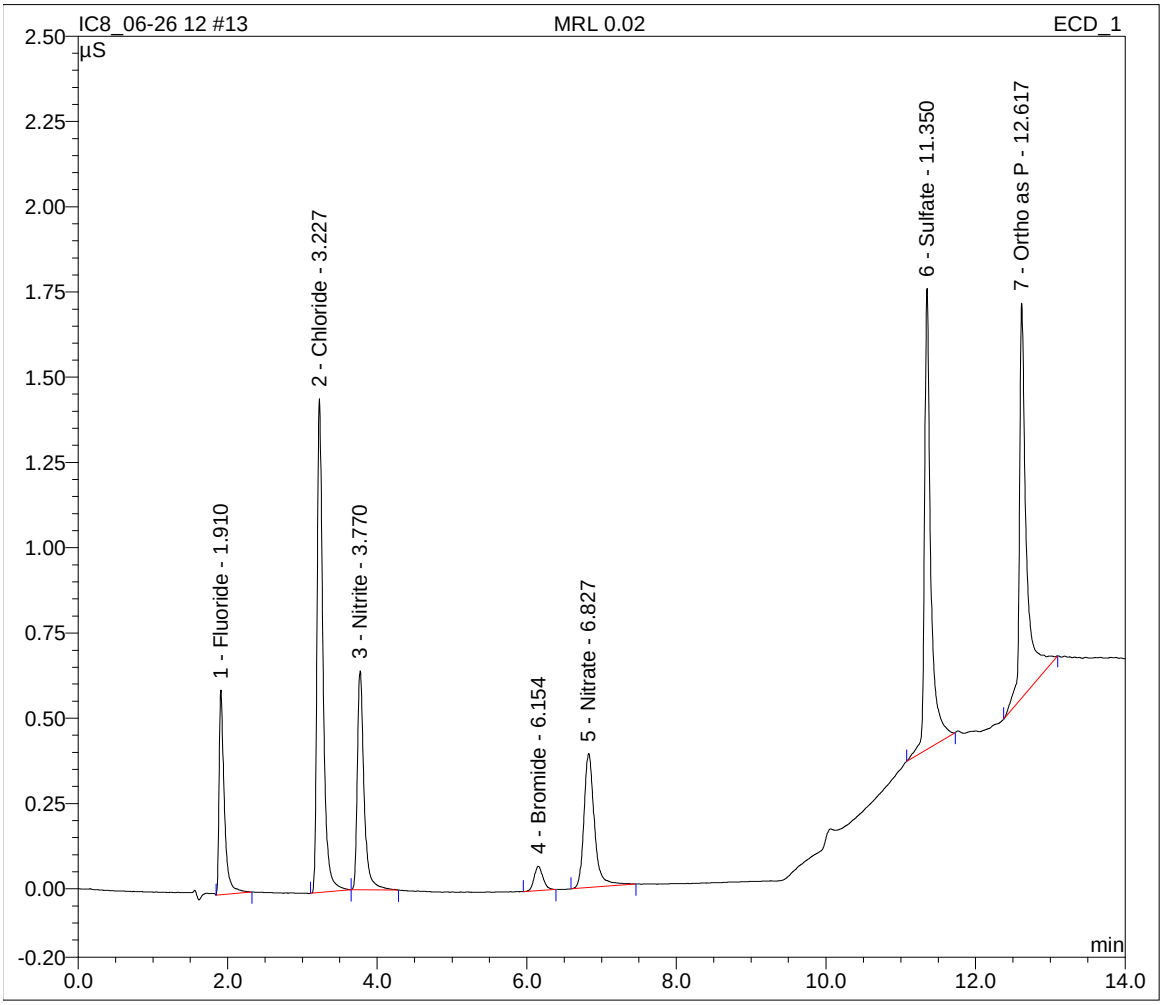
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 09:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.002	0.022	-0.0163
2	3.23	Chloride	BMB	0.003	0.030	0.0685
3	11.41	Sulfate	BMB	0.030	0.092	-0.0056
5	12.62	Ortho as P	BMB	0.108	0.412	-0.1021
TOTAL:				0.14	0.56	-0.06



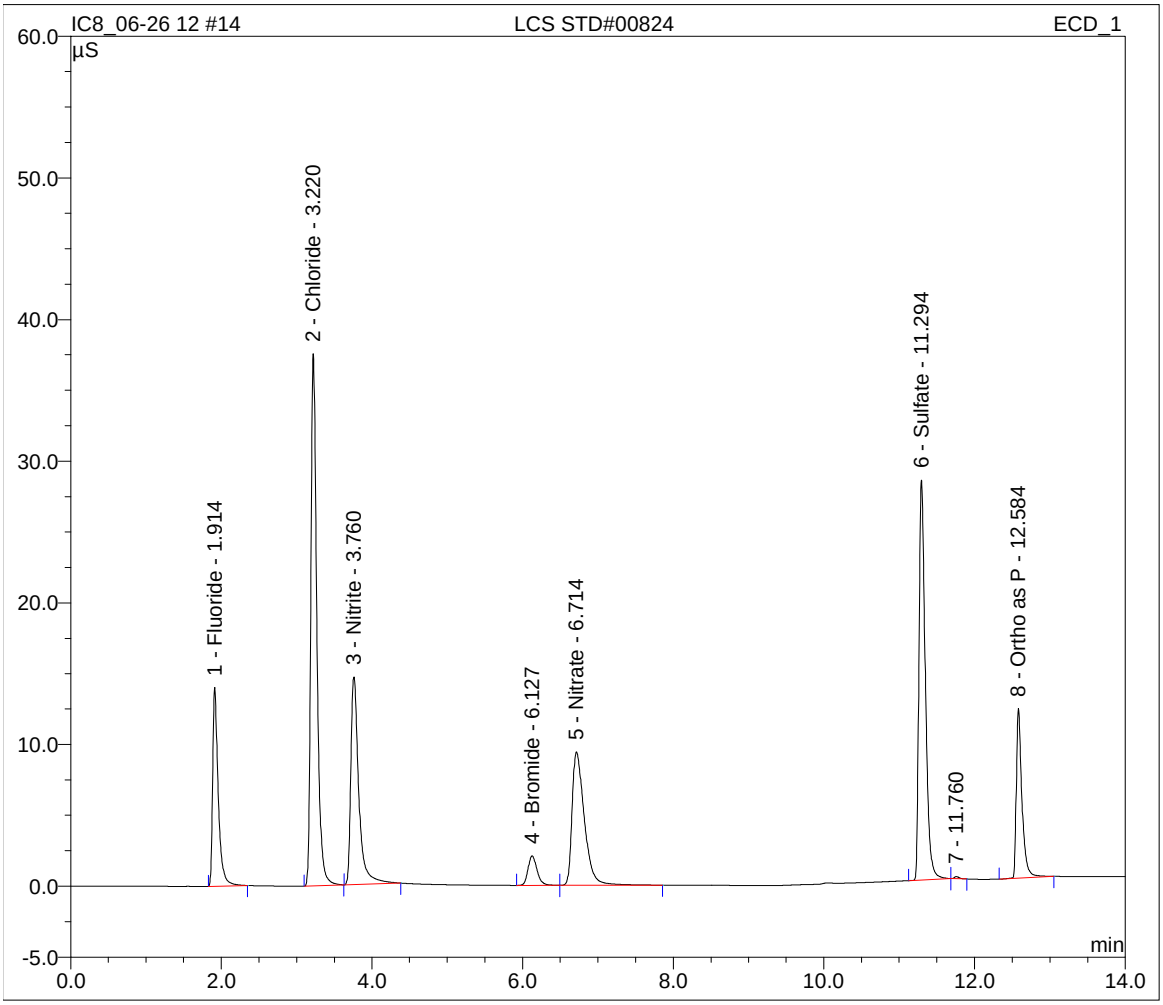
Sample Name:	**MRL 0.02**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 09:30**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.049	0.599	0.1815
2	3.23	Chloride	BMB	0.134	1.447	1.0154
3	3.77	Nitrite	BMB	0.066	0.643	0.2041
4	6.15	Bromide	BMB	0.010	0.072	0.2106
5	6.83	Nitrate	BMB	0.064	0.393	0.2043
6	11.35	Sulfate	BMB	0.130	1.352	0.8984
7	12.62	Ortho as P	BMB	0.125	1.158	-0.0140
TOTAL:				0.58	5.66	2.70



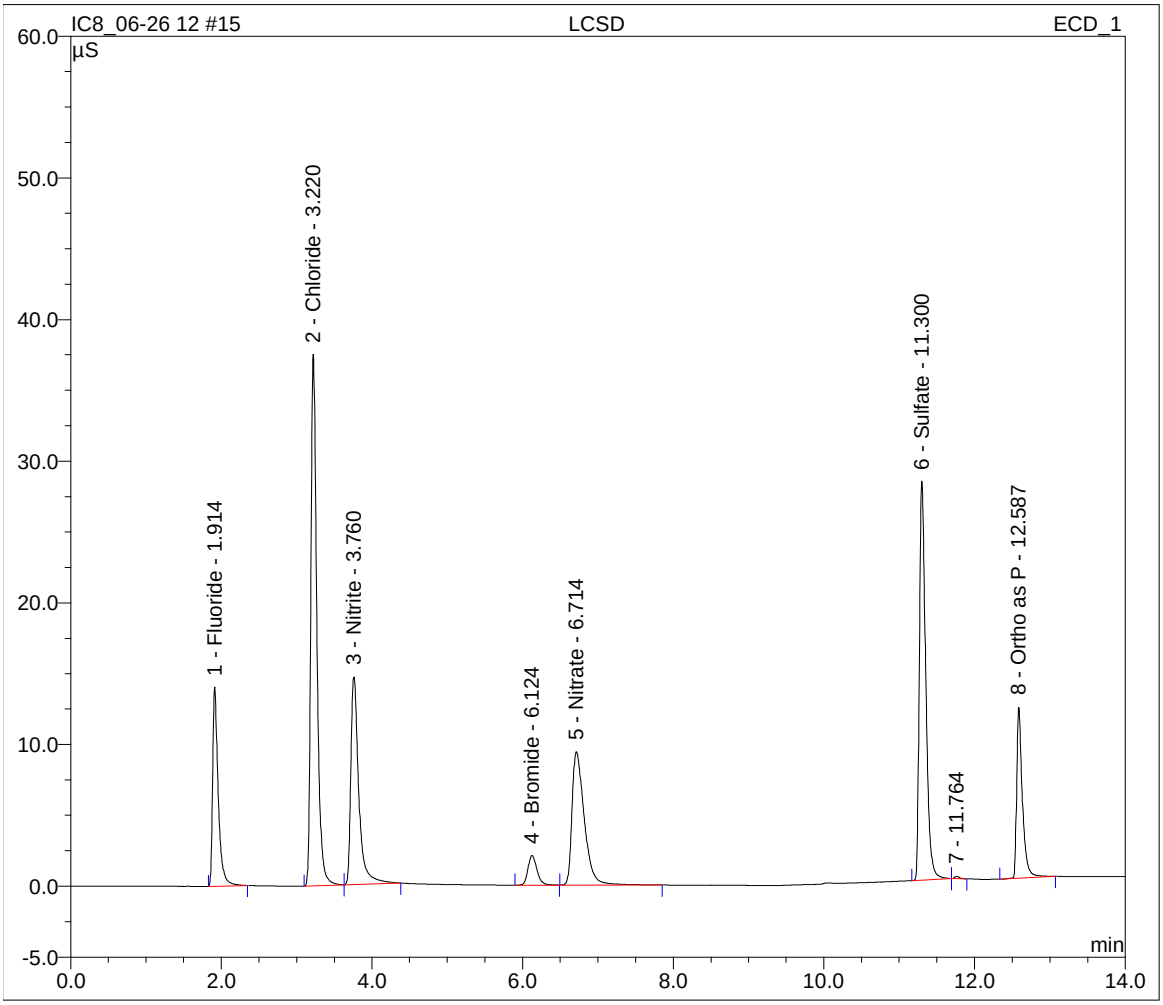
Sample Name:	**LCS STD#00824**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 09:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.203	14.030	5.0558
2	3.22	Chloride	BMB	3.467	37.549	25.0736
3	3.76	Nitrite	BMB	1.789	14.661	4.9694
4	6.13	Bromide	BMB	0.290	2.085	4.9660
5	6.71	Nitrate	BMB	1.768	9.404	5.0039
6	11.29	Sulfate	BMb	2.789	28.229	24.9910
8	12.58	Ortho as P	BMB	1.047	11.962	4.7622
		TOTAL:		12.35	117.92	74.82



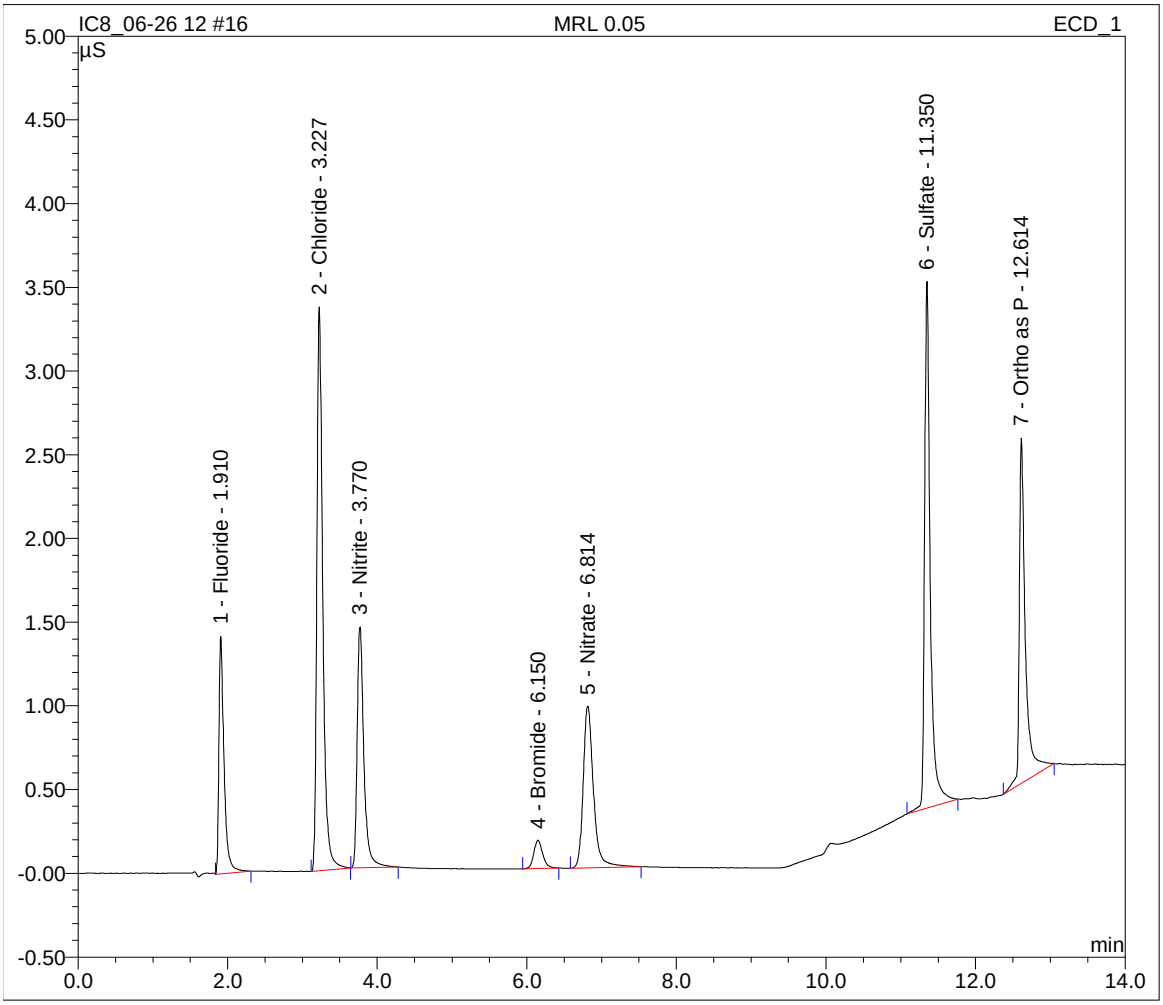
Sample Name:	**LCSD**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 10:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.203	14.040	5.0583
2	3.22	Chloride	BMB	3.465	37.514	25.0580
3	3.76	Nitrite	bMB	1.784	14.658	4.9529
4	6.12	Bromide	BMB	0.289	2.092	4.9639
5	6.71	Nitrate	BMB	1.768	9.408	5.0060
6	11.30	Sulfate	BMb	2.786	28.164	24.9674
8	12.59	Ortho as P	BMB	1.069	12.061	4.8786
		TOTAL:		12.37	117.94	74.89



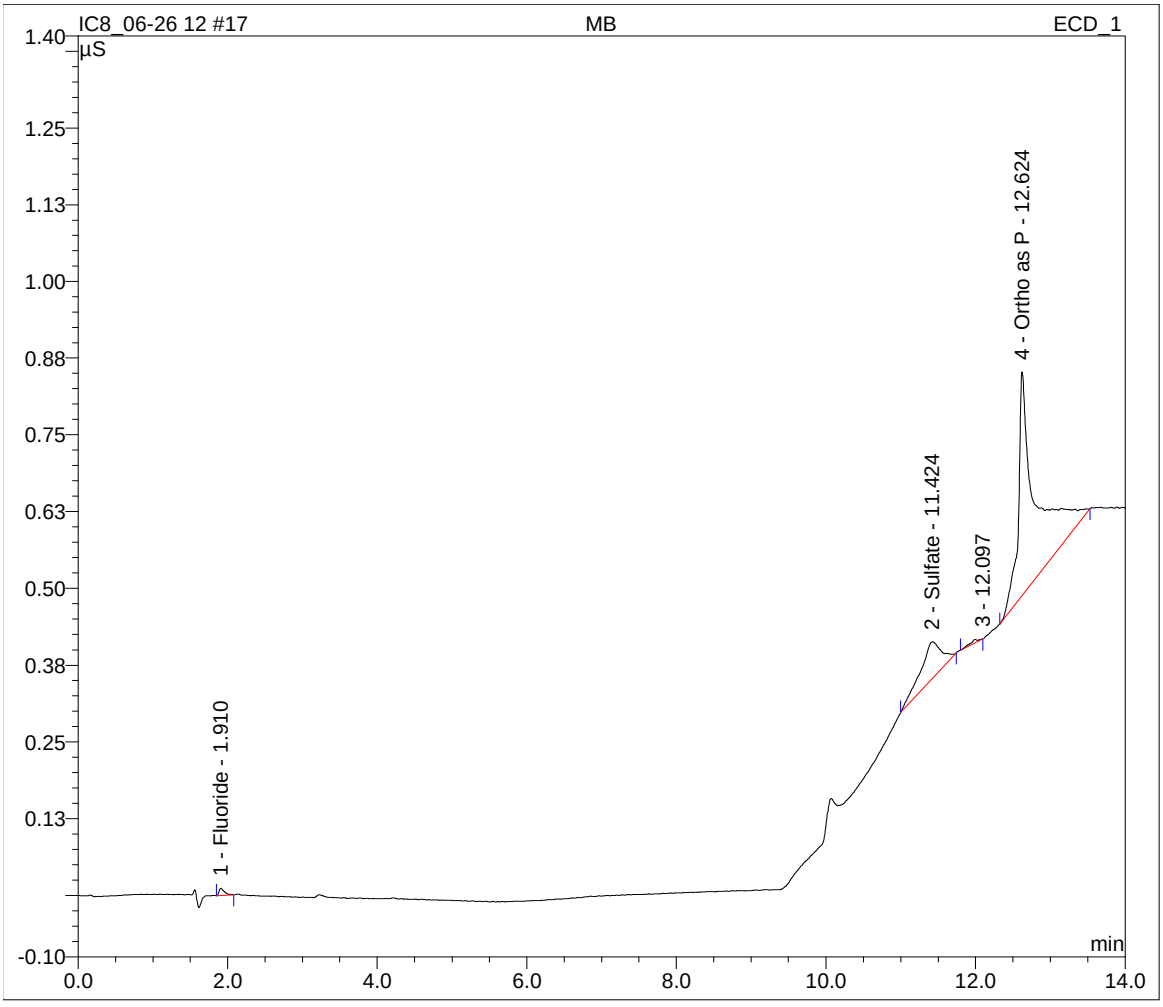
Sample Name:	**MRL 0.05**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 10:42**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.114	1.419	0.4551
2	3.23	Chloride	BMB	0.310	3.367	2.2890
3	3.77	Nitrite	BMB	0.149	1.439	0.4315
4	6.15	Bromide	BMB	0.023	0.169	0.4407
5	6.81	Nitrate	BMB	0.153	0.965	0.4558
6	11.35	Sulfate	BMB	0.275	3.146	2.2124
7	12.61	Ortho as P	BMB	0.194	2.062	0.3450
		TOTAL:		1.22	12.57	6.63



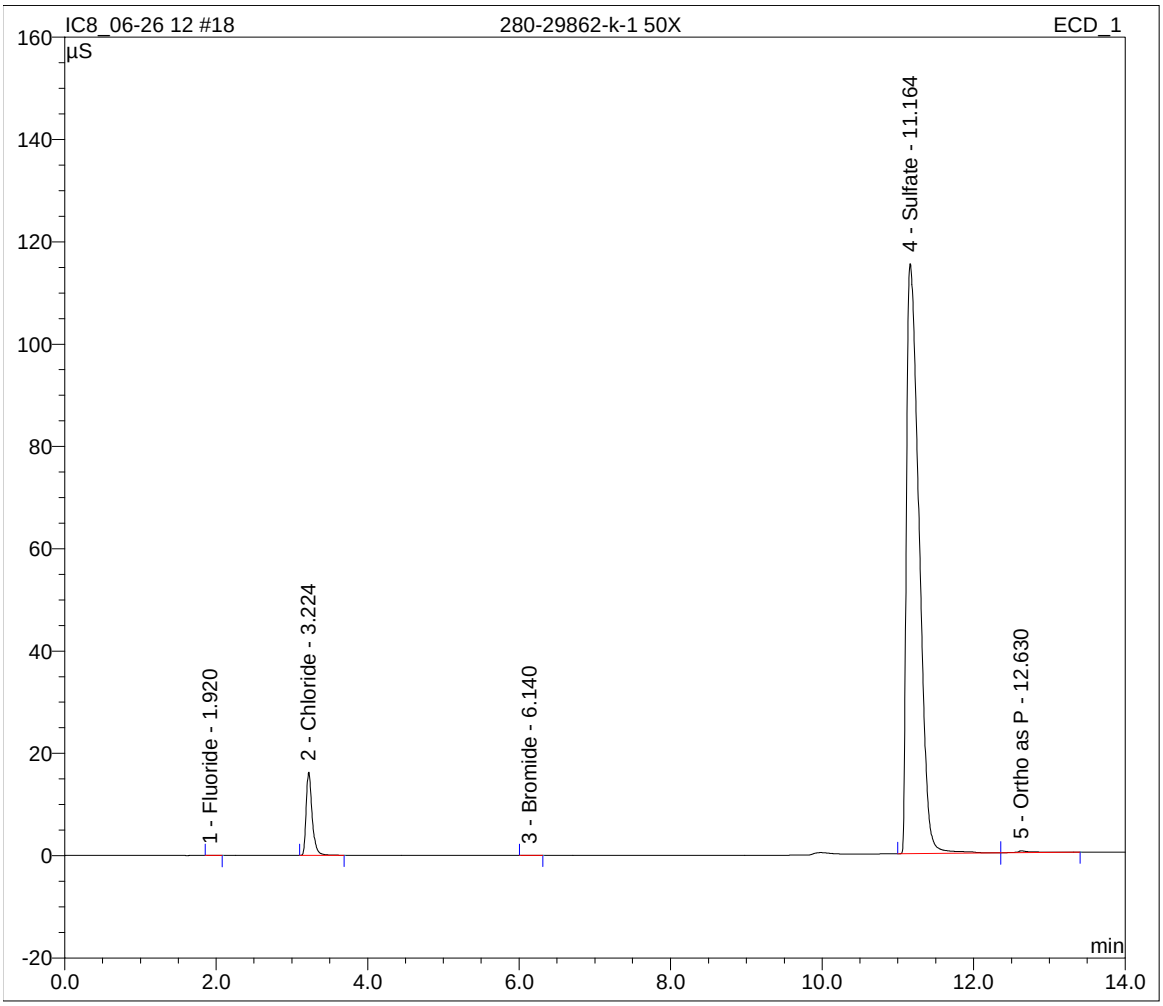
Sample Name:	**MB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 10:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.001	0.012	-0.0207
2	11.42	Sulfate	BMB	0.020	0.060	-0.1002
4	12.62	Ortho as P	BMB	0.099	0.364	-0.1467
		TOTAL:		0.12	0.44	-0.27



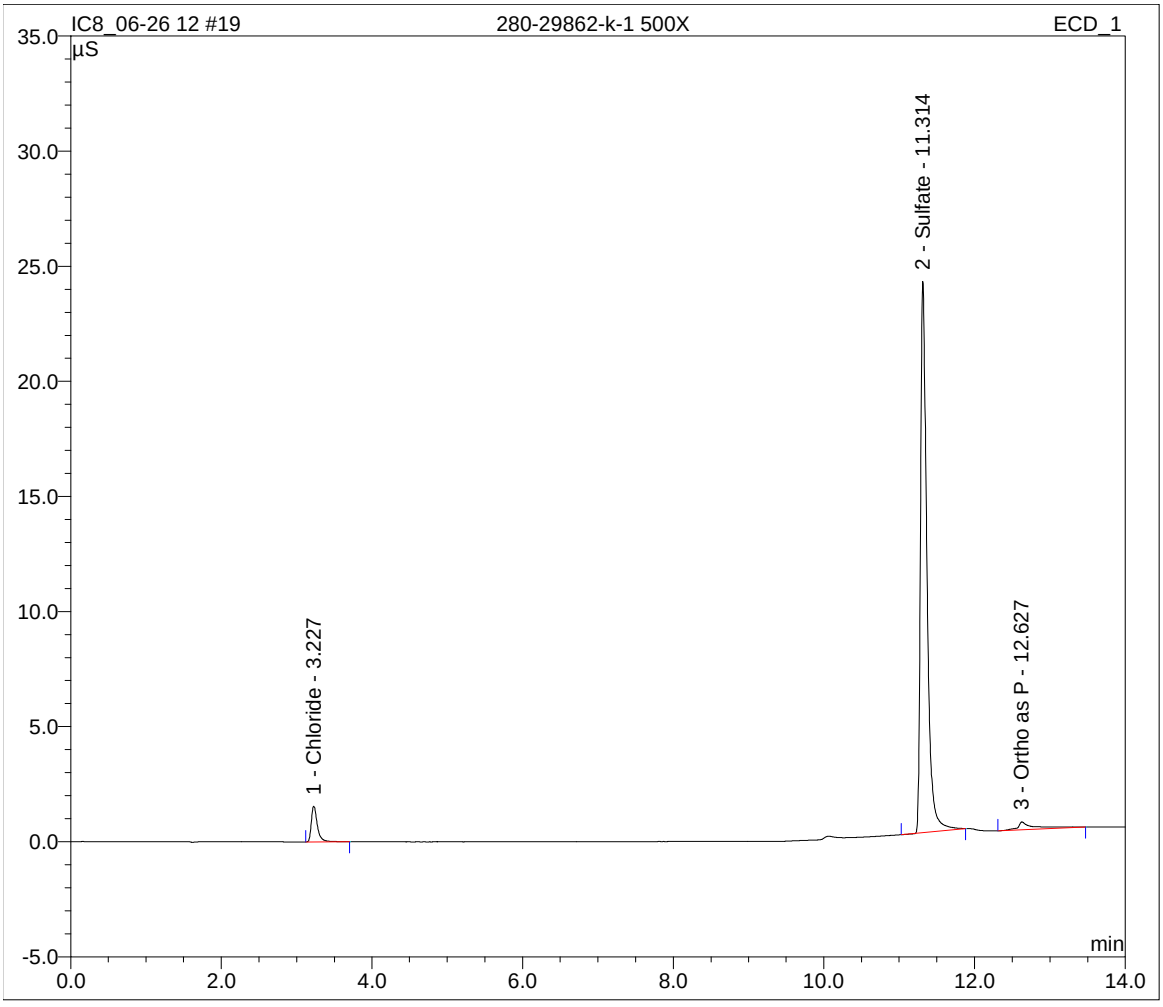
Sample Name:	**280-29862-k-1 50X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 11:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.001	0.011	-1.0295
2	3.22	Chloride	BMB	1.488	16.236	539.4495
3	6.14	Bromide	BMB	0.001	0.011	3.3836
4	11.16	Sulfate	BMB	22.028	115.371	9965.2394
5	12.63	Ortho as P	BMB	0.087	0.369	-10.5668
		TOTAL:		23.61	132.00	10496.48



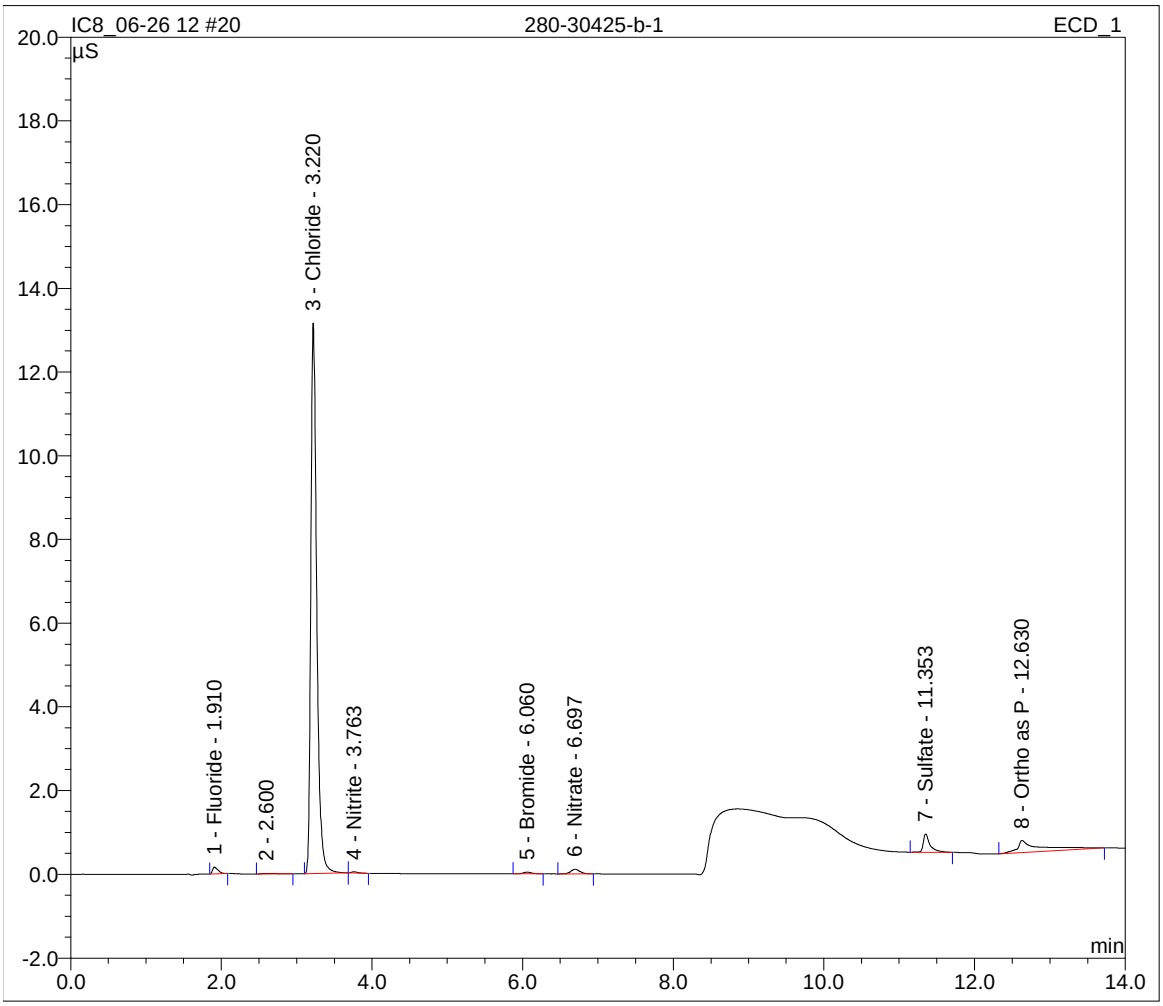
Sample Name:	**280-29862-k-1 500X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**500.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 11:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	3.23	Chloride	BMB	0.142	1.547	537.1724
2	11.31	Sulfate	BMB	2.403	23.952	10745.2951
3	12.63	Ortho as P	BMB	0.085	0.337	-110.7529
		TOTAL:		2.63	25.84	11171.71



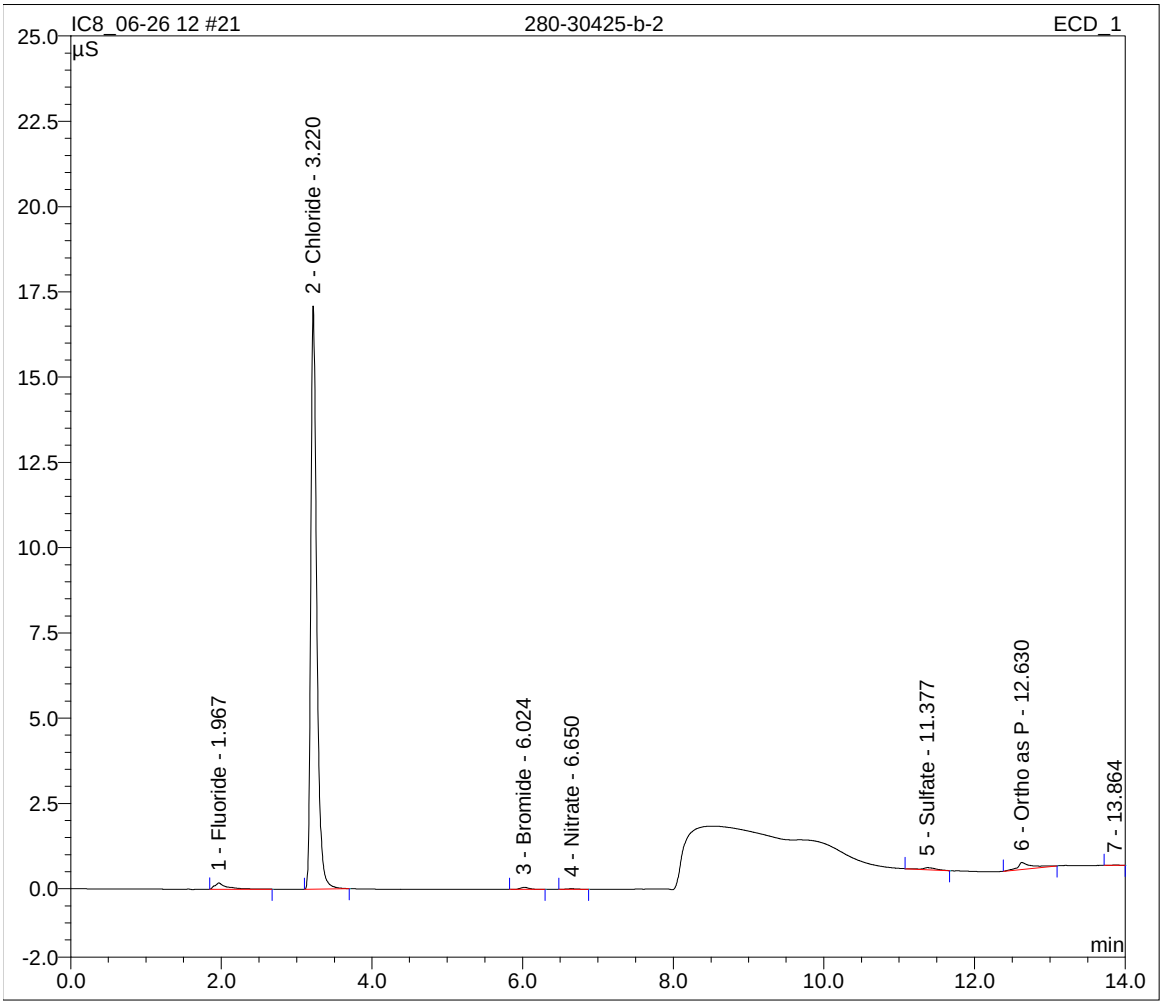
Sample Name:	**280-30425-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 12:15**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.014	0.166	0.0348
3	3.22	Chloride	BMb	1.193	13.156	8.6557
4	3.76	Nitrite	bMB	0.003	0.030	0.0278
5	6.06	Bromide	BMB	0.005	0.040	0.1348
6	6.70	Nitrate	BMB	0.016	0.110	0.0682
7	11.35	Sulfate	BMB	0.046	0.439	0.1393
8	12.63	Ortho as P	BMB	0.101	0.286	-0.1367
TOTAL:				1.38	14.23	8.92



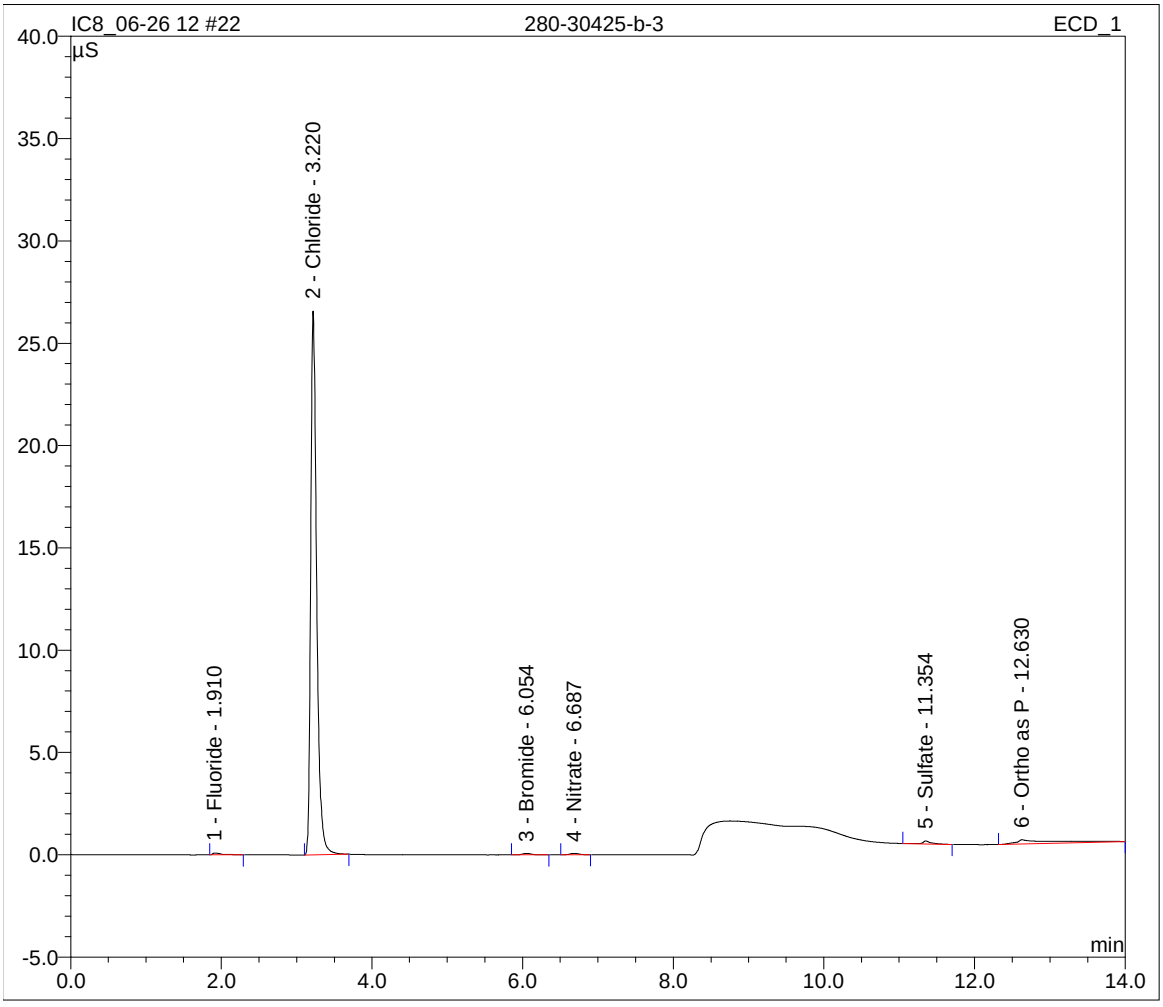
Sample Name:	**280-30425-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 12:32**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.97	Fluoride	BMB	0.035	0.185	0.1230
2	3.22	Chloride	BMB	1.562	17.105	11.3195
3	6.02	Bromide	BMB	0.008	0.060	0.1762
4	6.65	Nitrate	BMB	0.002	0.015	0.0303
5	11.38	Sulfate	BMB	0.012	0.059	-0.1706
6	12.63	Ortho as P	BMB	0.042	0.202	-0.4437
		TOTAL:		1.66	17.63	11.03



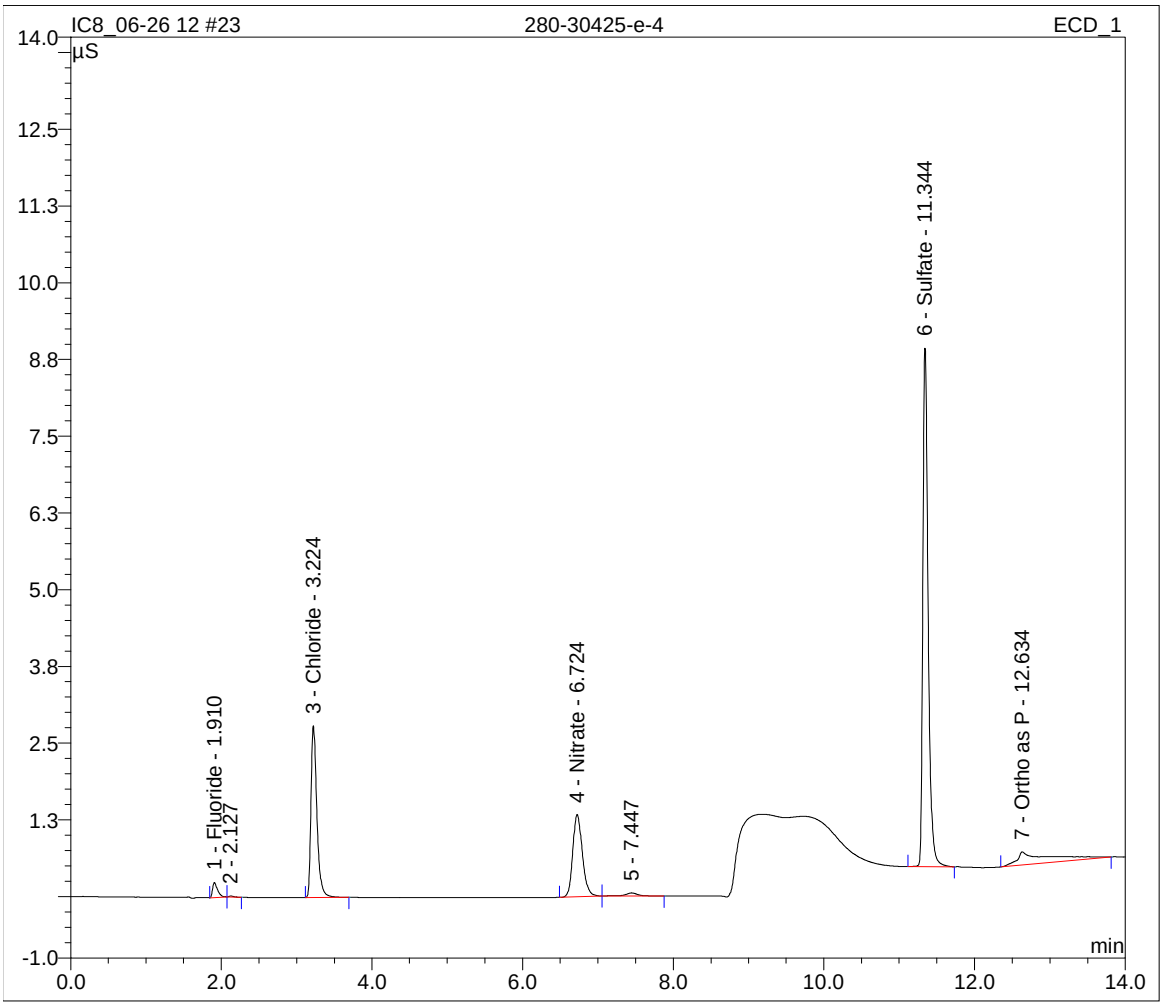
Sample Name:	**280-30425-b-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 12:48**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.012	0.084	0.0257
2	3.22	Chloride	BMB	2.436	26.577	17.6281
3	6.05	Bromide	BMB	0.010	0.073	0.2108
4	6.69	Nitrate	BMB	0.010	0.069	0.0518
5	11.35	Sulfate	BMB	0.019	0.147	-0.1019
6	12.63	Ortho as P	BMB	0.122	0.206	-0.0302
		TOTAL:		2.61	27.16	17.78



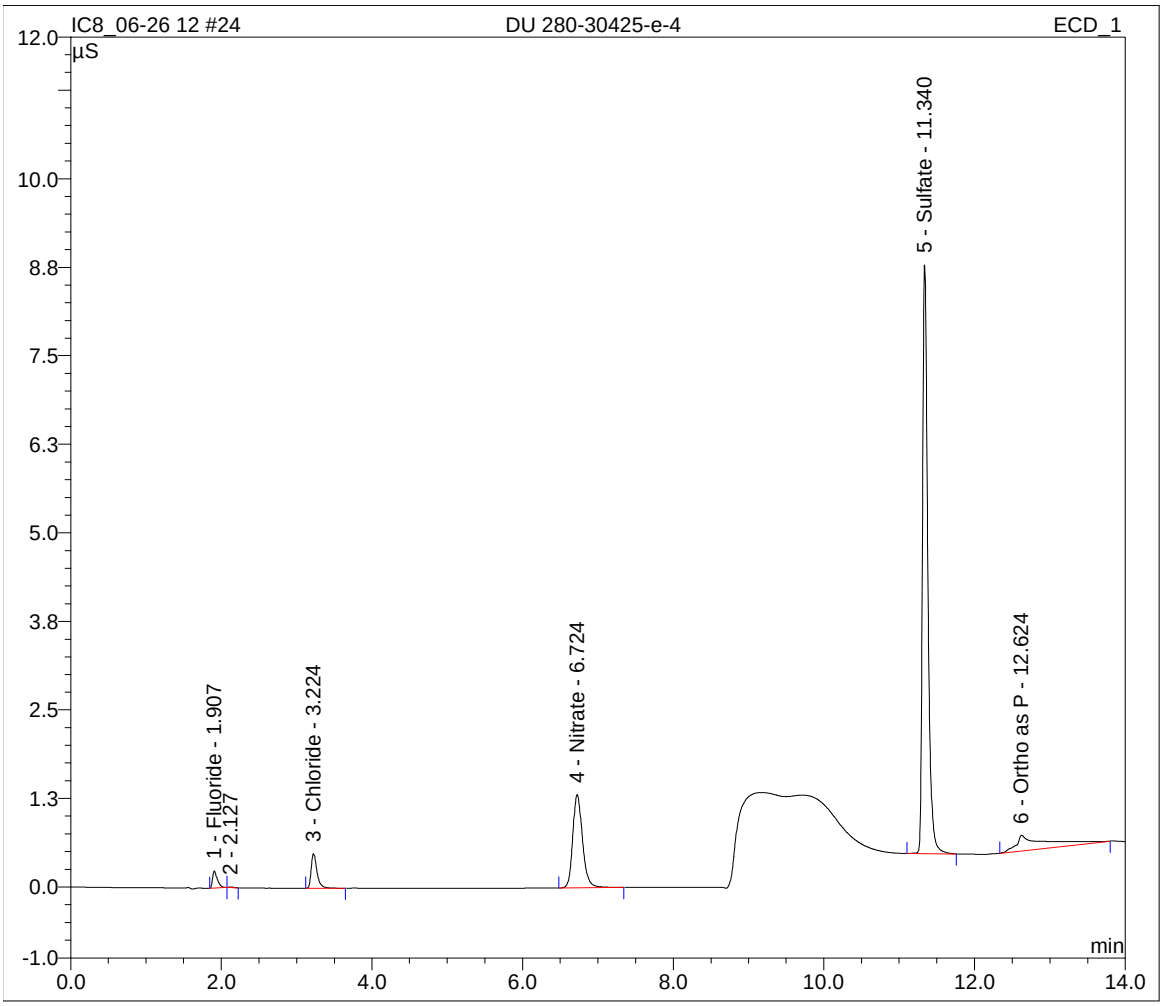
Sample Name:	**280-30425-e-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 13:05**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.019	0.245	0.0545
3	3.22	Chloride	BMB	0.254	2.797	1.8827
4	6.72	Nitrate	BMB	0.198	1.340	0.5810
6	11.34	Sulfate	BMB	0.688	8.446	5.9595
7	12.63	Ortho as P	BMB	0.104	0.214	-0.1207
		TOTAL:		1.26	13.04	8.36



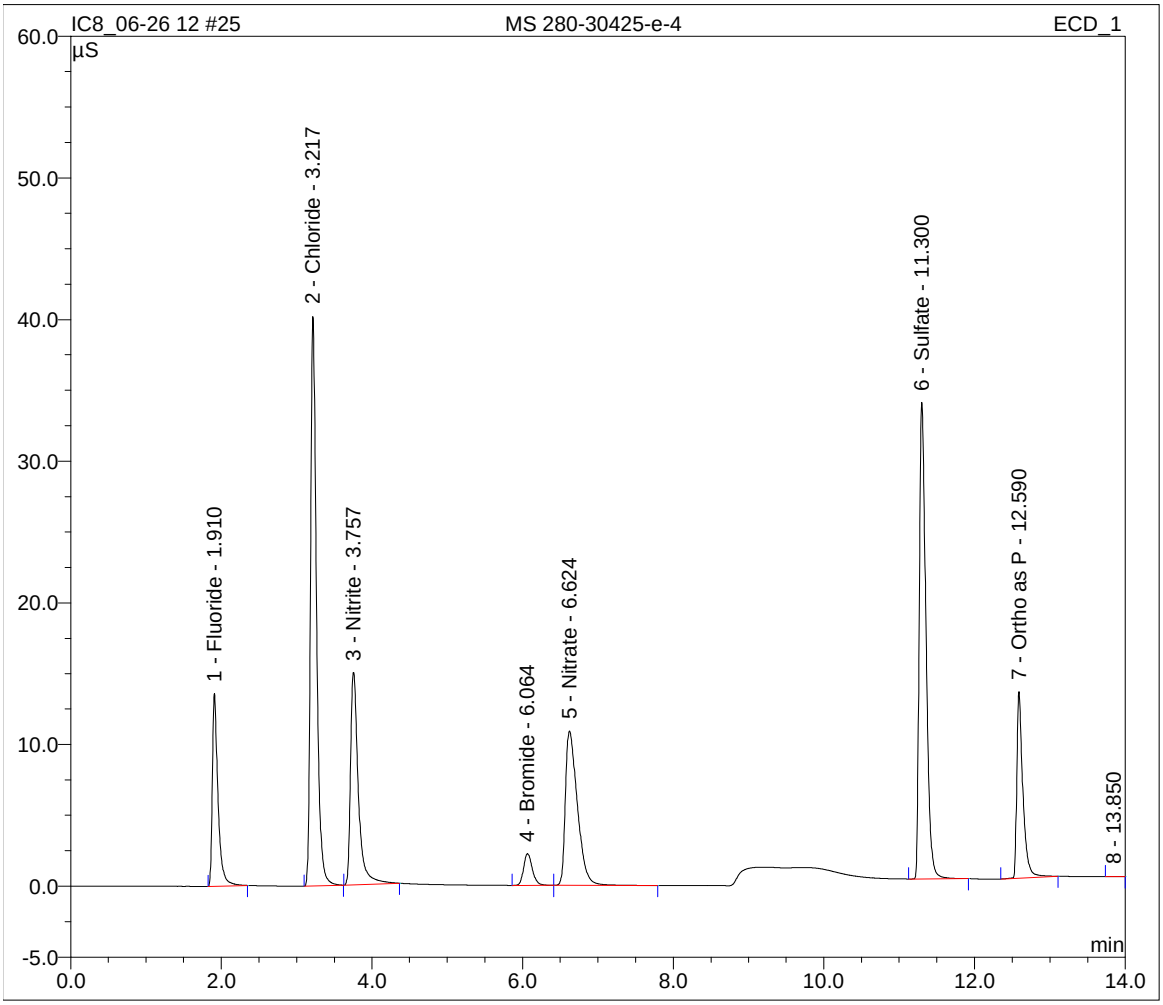
Sample Name:	**DU 280-30425-e-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 13:22**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.018	0.242	0.0511
3	3.22	Chloride	BMB	0.044	0.487	0.3632
4	6.72	Nitrate	BMB	0.198	1.315	0.5813
5	11.34	Sulfate	BMB	0.681	8.311	5.8922
6	12.62	Ortho as P	BMB	0.099	0.221	-0.1474
		TOTAL:		1.04	10.58	6.74



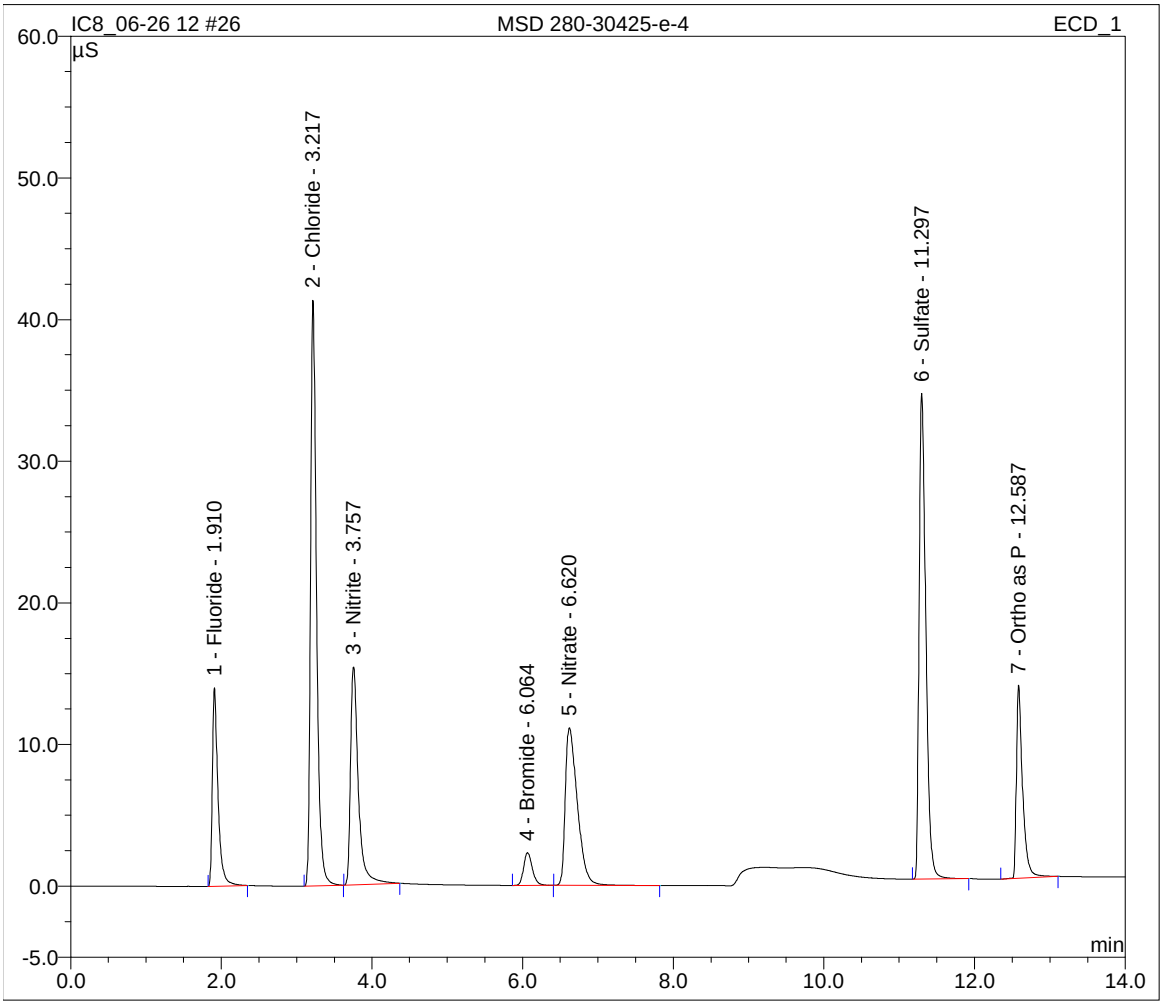
Sample Name:	**MS 280-30425-e-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 13:39**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.184	13.599	4.9785
2	3.22	Chloride	BMB	3.685	40.206	26.6467
3	3.76	Nitrite	BMB	1.799	14.999	4.9956
4	6.06	Bromide	BMB	0.300	2.239	5.1396
5	6.62	Nitrate	BMB	2.014	10.889	5.6967
6	11.30	Sulfate	BMB	3.510	33.628	31.5283
7	12.59	Ortho as P	BMB	1.238	13.163	5.7520
TOTAL:				13.73	128.72	84.74



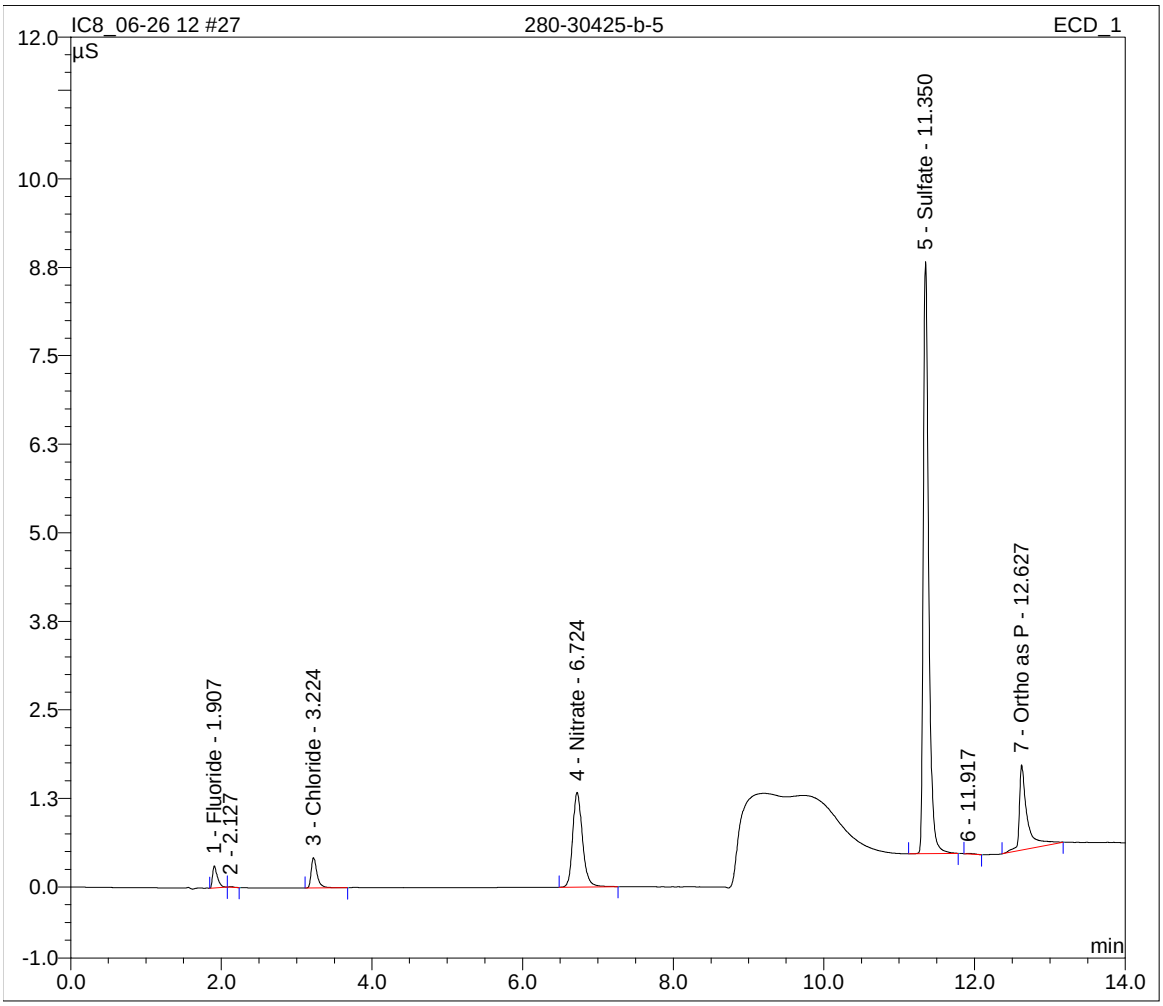
Sample Name:	**MSD 280-30425-e-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 13:56**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.222	13.999	5.1370
2	3.22	Chloride	BMB	3.793	41.360	27.4248
3	3.76	Nitrite	BMB	1.848	15.382	5.1319
4	6.06	Bromide	BMB	0.309	2.308	5.2999
5	6.62	Nitrate	BMB	2.068	11.113	5.8504
6	11.30	Sulfate	BMB	3.576	34.267	32.1262
7	12.59	Ortho as P	BMB	1.306	13.611	6.1016
TOTAL:				14.12	132.04	87.07



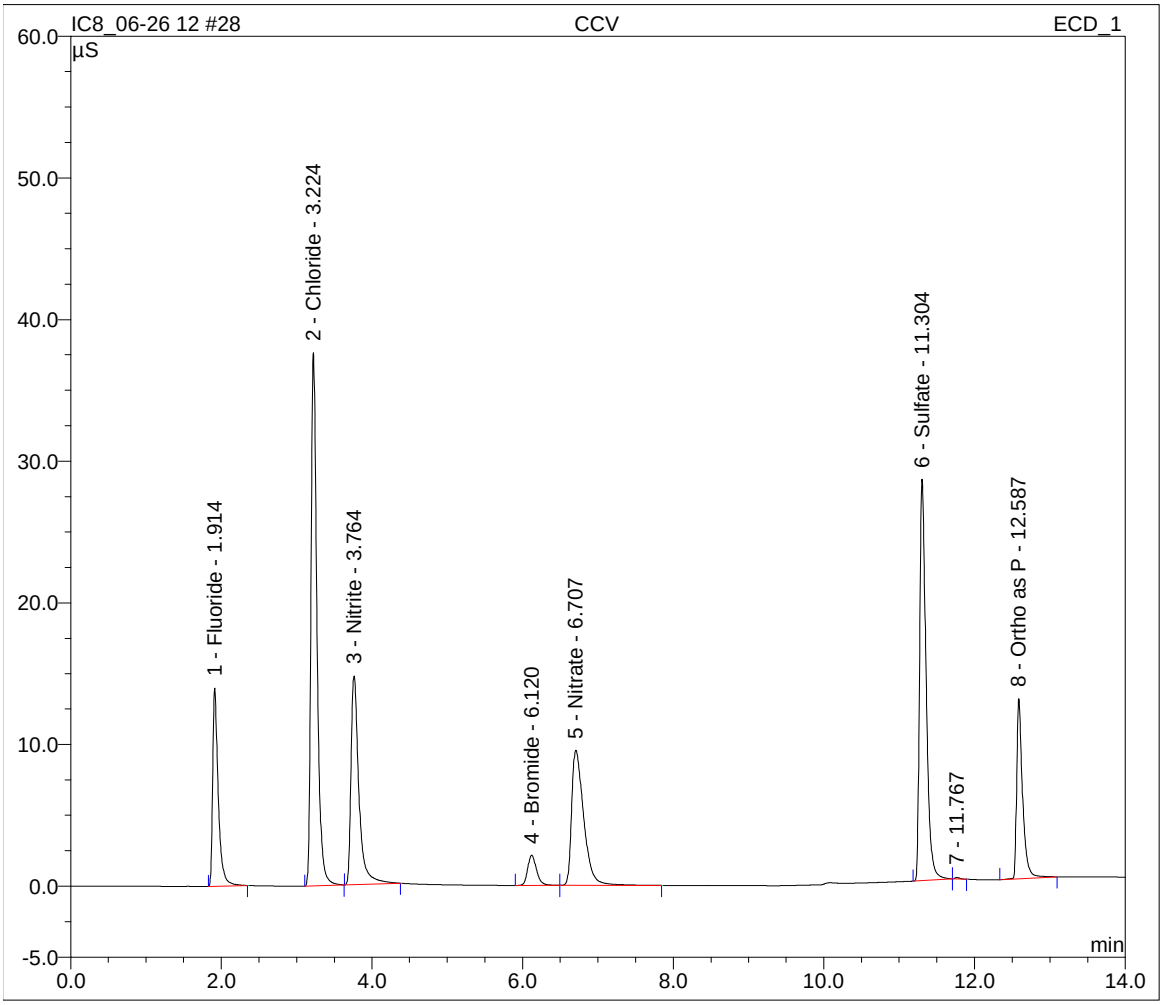
Sample Name:	**280-30425-b-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 14:12**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.024	0.313	0.0746
3	3.22	Chloride	BMB	0.038	0.426	0.3260
4	6.72	Nitrate	BMB	0.200	1.335	0.5883
5	11.35	Sulfate	BMB	0.689	8.358	5.9672
7	12.63	Ortho as P	BMB	0.146	1.201	0.0935
		TOTAL:		1.10	11.63	7.05



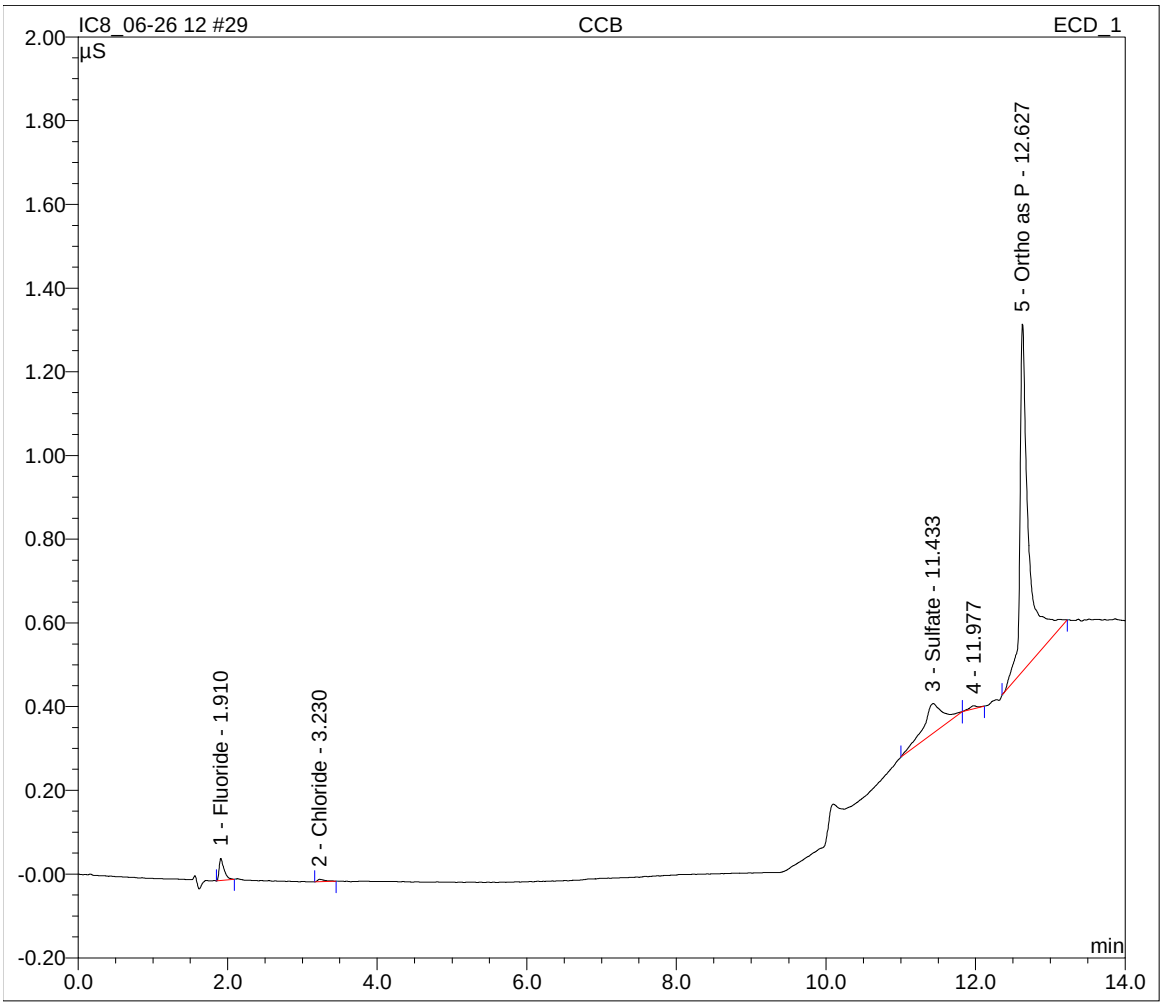
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 14:29**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.197	13.993	5.0326
2	3.22	Chloride	BMB	3.465	37.638	25.0587
3	3.76	Nitrite	BMB	1.783	14.739	4.9500
4	6.12	Bromide	BMB	0.290	2.133	4.9816
5	6.71	Nitrate	BMB	1.767	9.526	5.0018
6	11.30	Sulfate	BMb	2.850	28.335	25.5417
8	12.59	Ortho as P	BMB	1.158	12.693	5.3373
		TOTAL:		12.51	119.06	75.90



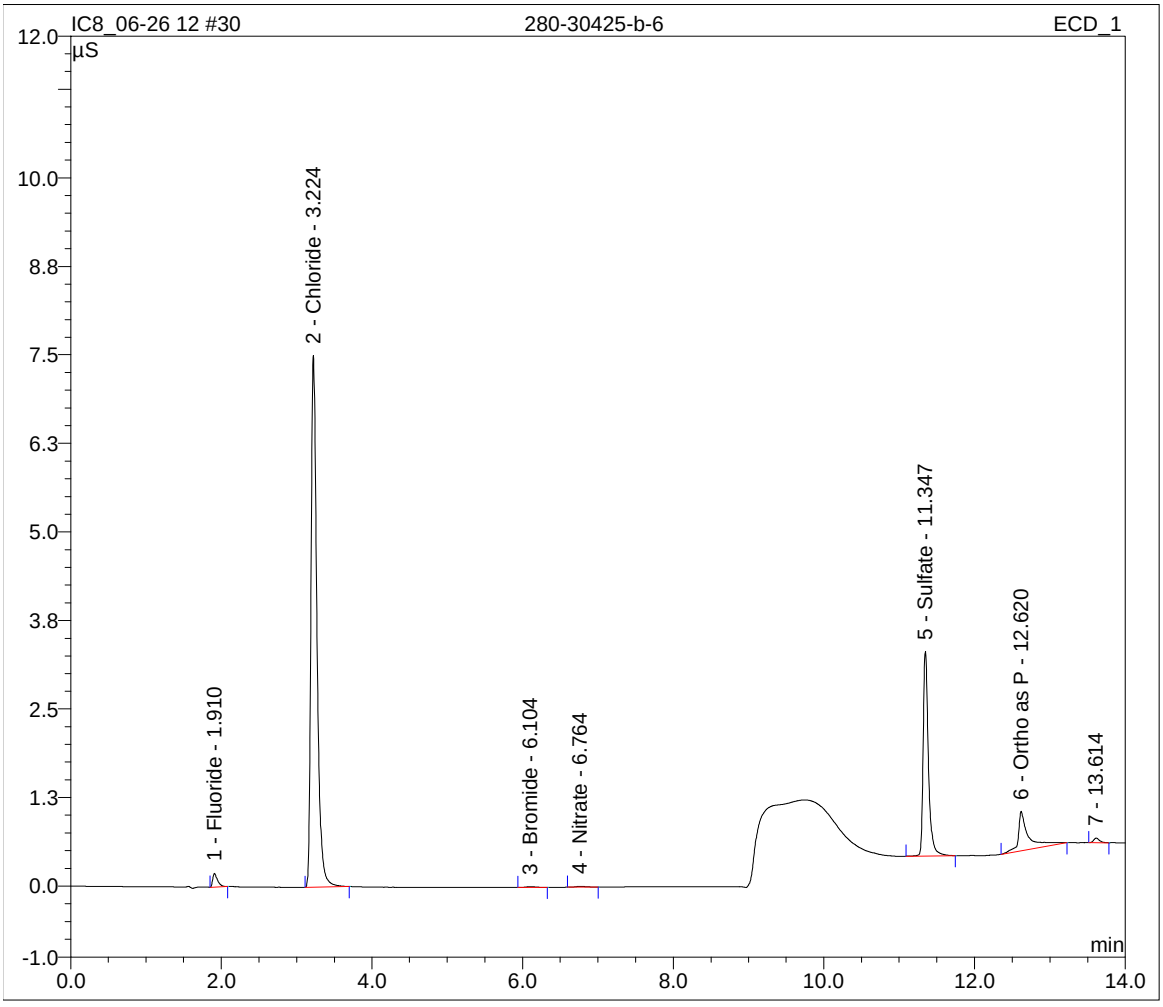
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 14:46**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.004	0.053	-0.0077
2	3.23	Chloride	BMB	0.001	0.006	0.0533
3	11.43	Sulfate	BMB	0.021	0.071	-0.0844
5	12.63	Ortho as P	BMB	0.116	0.831	-0.0607
TOTAL:				0.14	0.96	-0.10



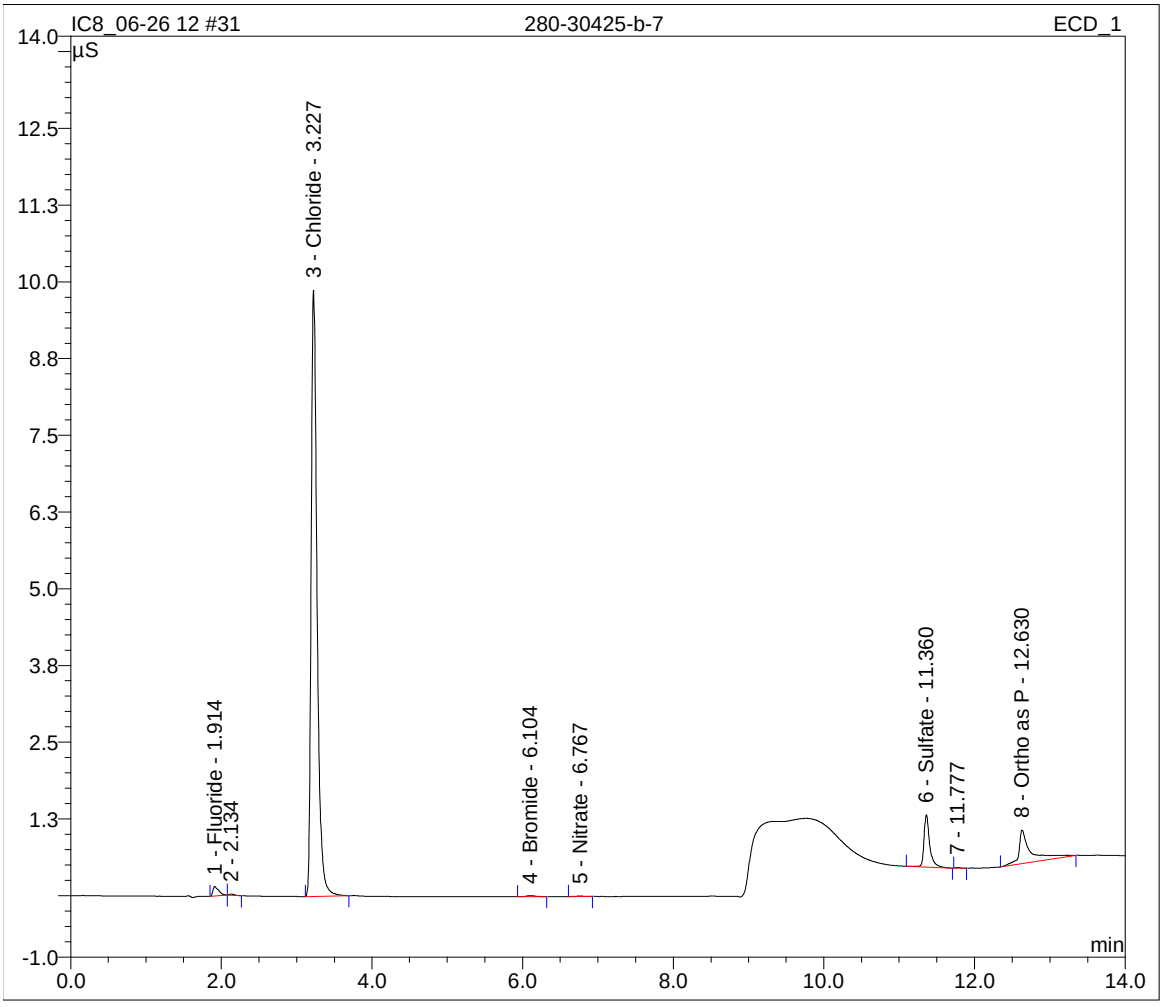
Sample Name:	**280-30425-b-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 15:03**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.014	0.193	0.0361
2	3.22	Chloride	BMB	0.686	7.505	4.9980
3	6.10	Bromide	BMB	0.001	0.010	0.0675
4	6.76	Nitrate	BMB	0.002	0.011	0.0290
5	11.35	Sulfate	BMB	0.232	2.886	1.8242
6	12.62	Ortho as P	BMB	0.089	0.557	-0.2026
TOTAL:				1.02	11.16	6.75



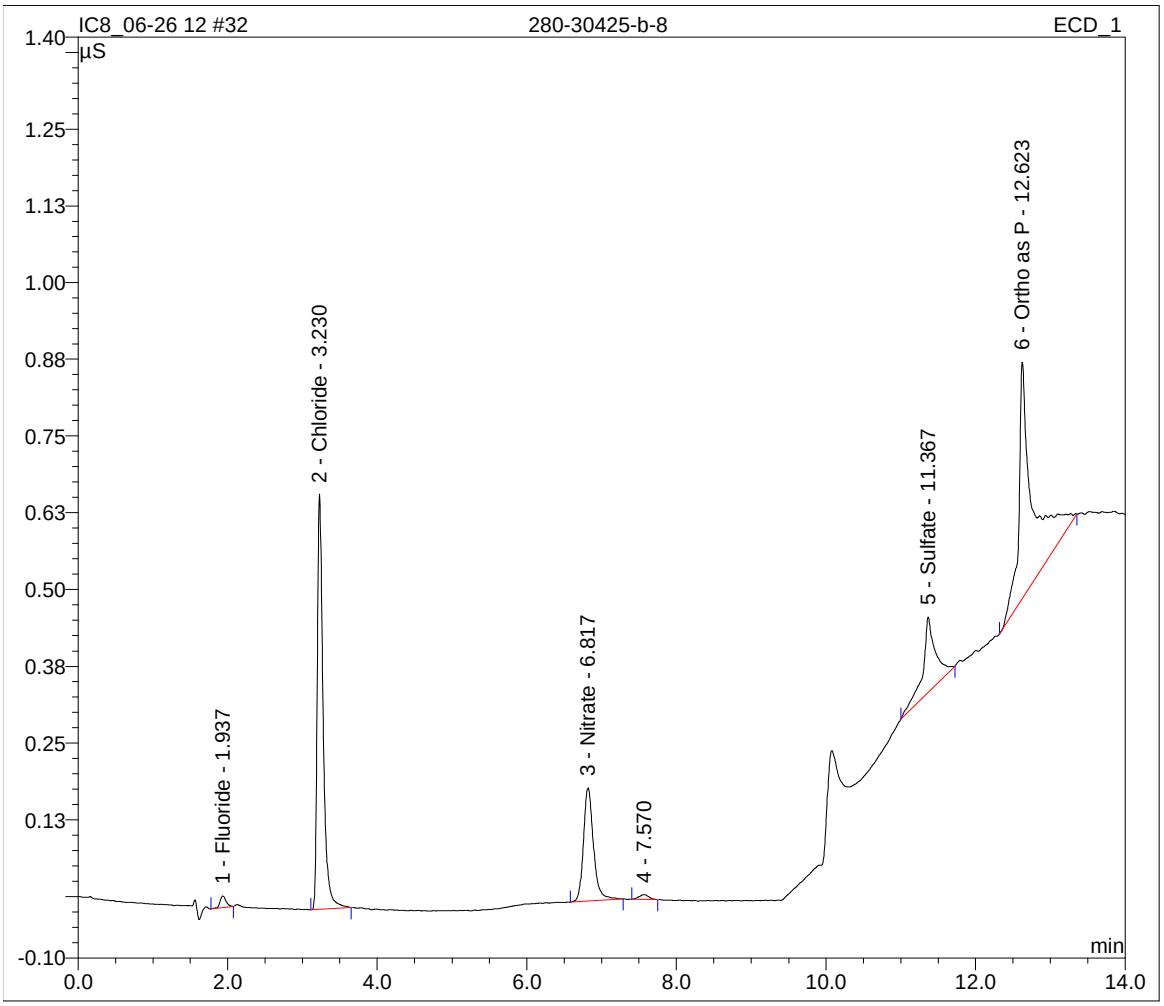
Sample Name:	**280-30425-b-7**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 15:20**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.014	0.156	0.0349
3	3.23	Chloride	BMB	0.901	9.878	6.5507
4	6.10	Bromide	BMB	0.002	0.016	0.0790
5	6.77	Nitrate	BMB	0.001	0.007	0.0271
6	11.36	Sulfate	BMB	0.075	0.855	0.4014
8	12.63	Ortho as P	BMB	0.100	0.548	-0.1428
		TOTAL:		1.09	11.46	6.95



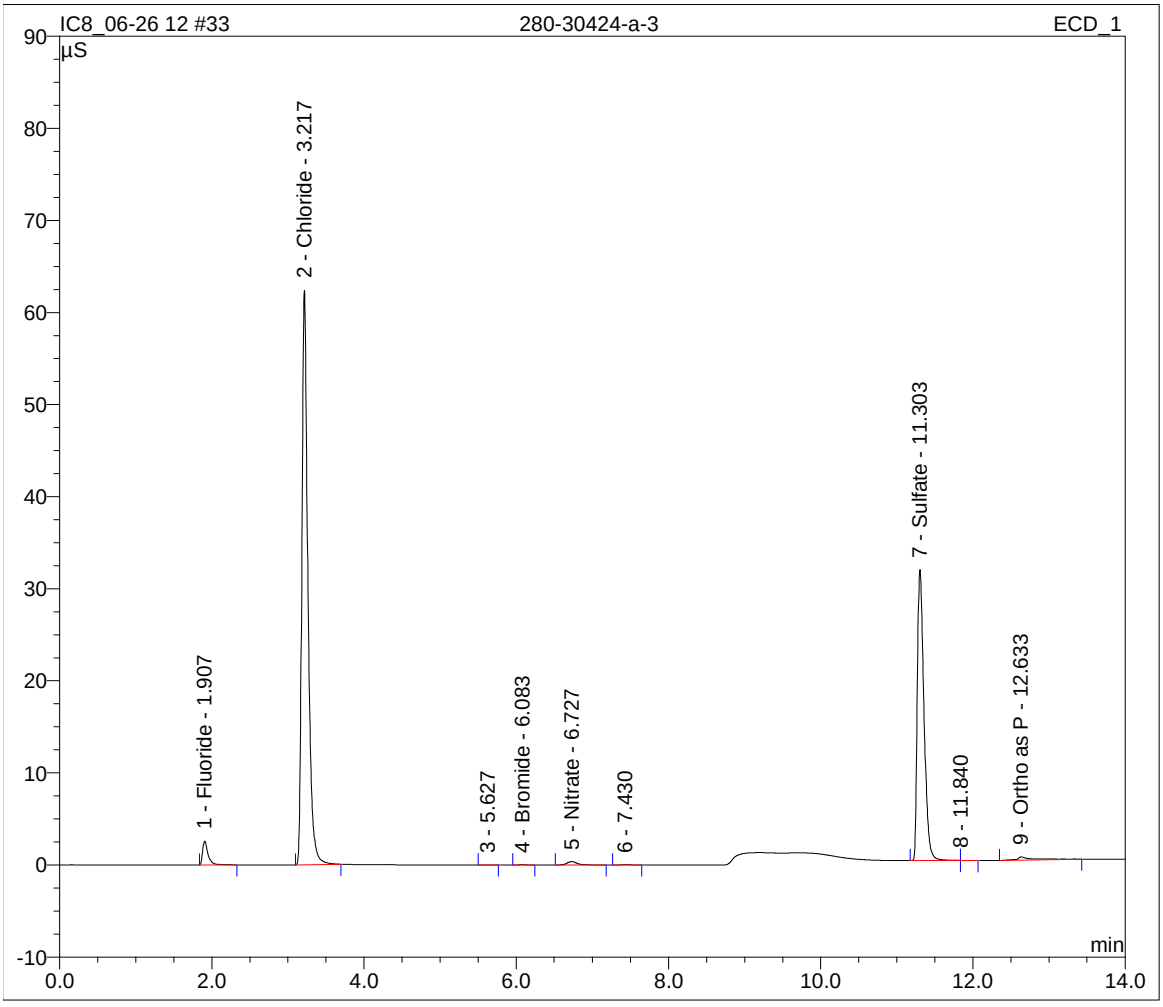
Sample Name:	**280-30425-b-8**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 15:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	0.002	0.019	-0.0172
2	3.23	Chloride	BMB	0.062	0.676	0.4934
3	6.82	Nitrate	BMB	0.029	0.184	0.1047
5	11.37	Sulfate	BMB	0.024	0.123	-0.0606
6	12.62	Ortho as P	BMB	0.083	0.385	-0.2296
		TOTAL:		0.20	1.39	0.29



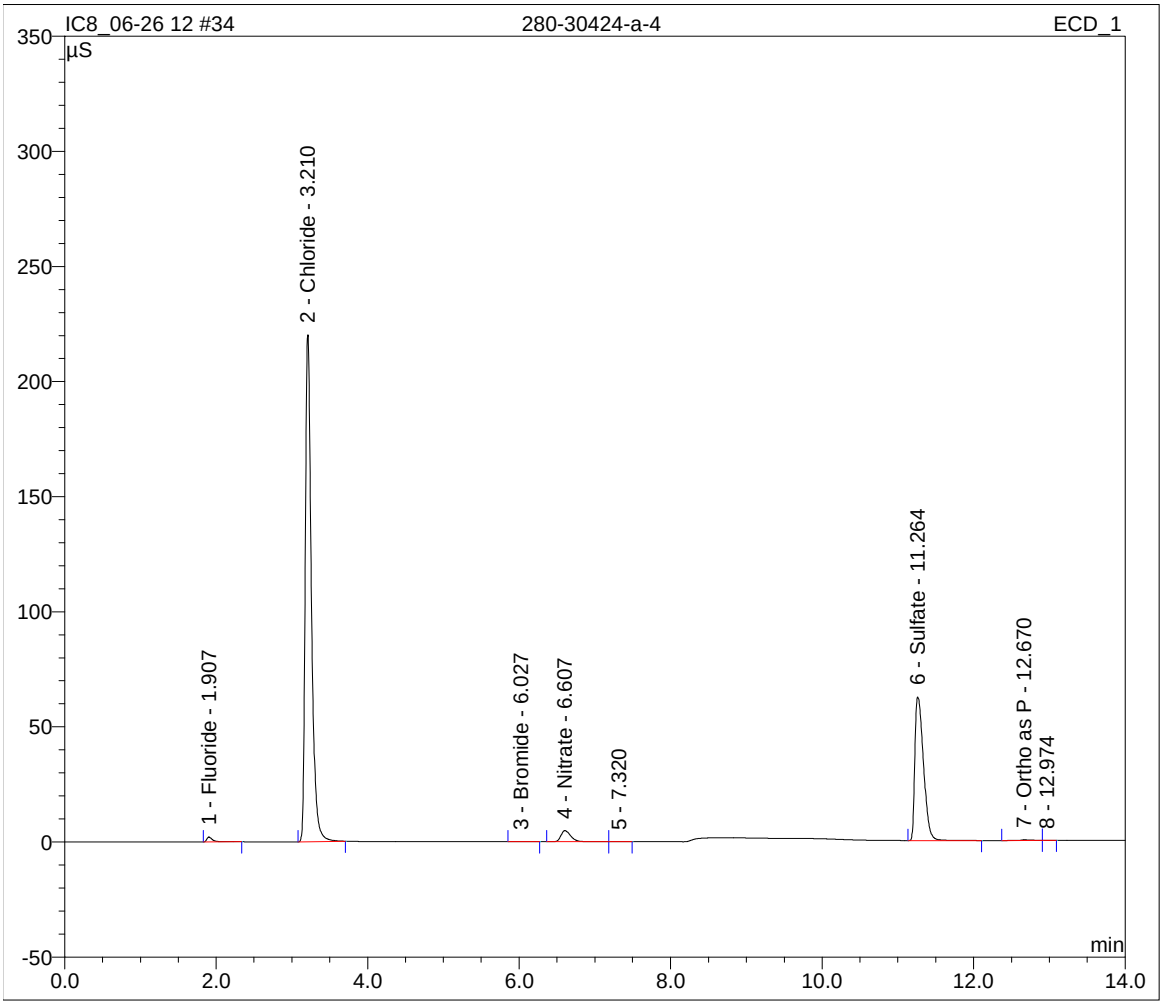
Sample Name:	**280-30424-a-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 15:53**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.215	2.599	0.8822
2	3.22	Chloride	BMB	5.765	62.420	41.6575
4	6.08	Bromide	BMB	0.002	0.015	0.0754
5	6.73	Nitrate	BMB	0.053	0.361	0.1743
7	11.30	Sulfate	BMB	3.216	31.586	28.8590
9	12.63	Ortho as P	BMB	0.085	0.357	-0.2196
TOTAL:				9.34	97.34	71.43



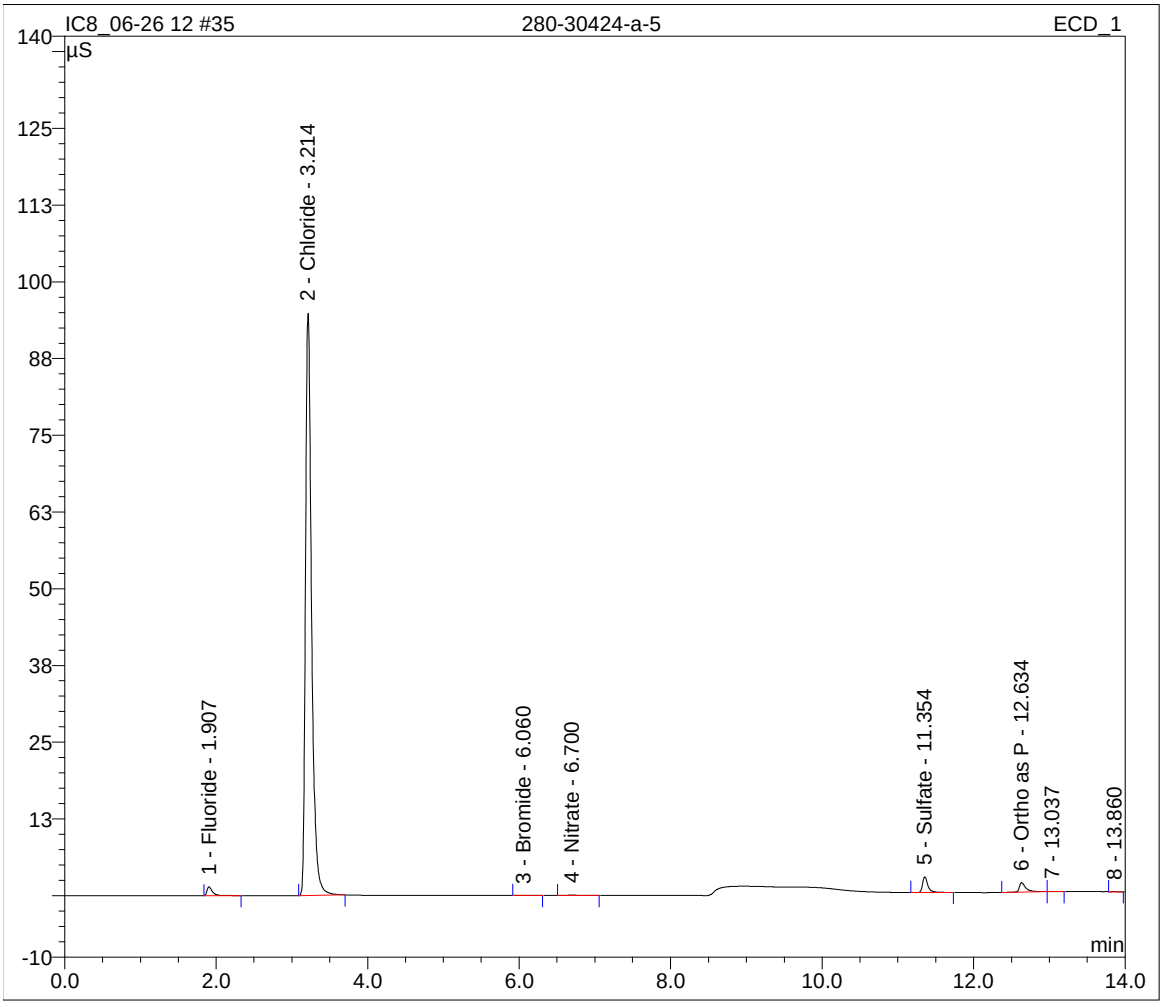
Sample Name:	**280-30424-a-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 16:10**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.182	2.104	0.7460
2	3.21	Chloride	BMB	20.654	220.346	149.1203
3	6.03	Bromide	BMB	0.008	0.059	0.1723
4	6.61	Nitrate	BMb	0.727	4.849	2.0719
6	11.26	Sulfate	BMB	8.255	62.347	74.5182
7	12.67	Ortho as P	BMb	0.041	0.261	-0.4515
		TOTAL:		29.87	289.97	226.18



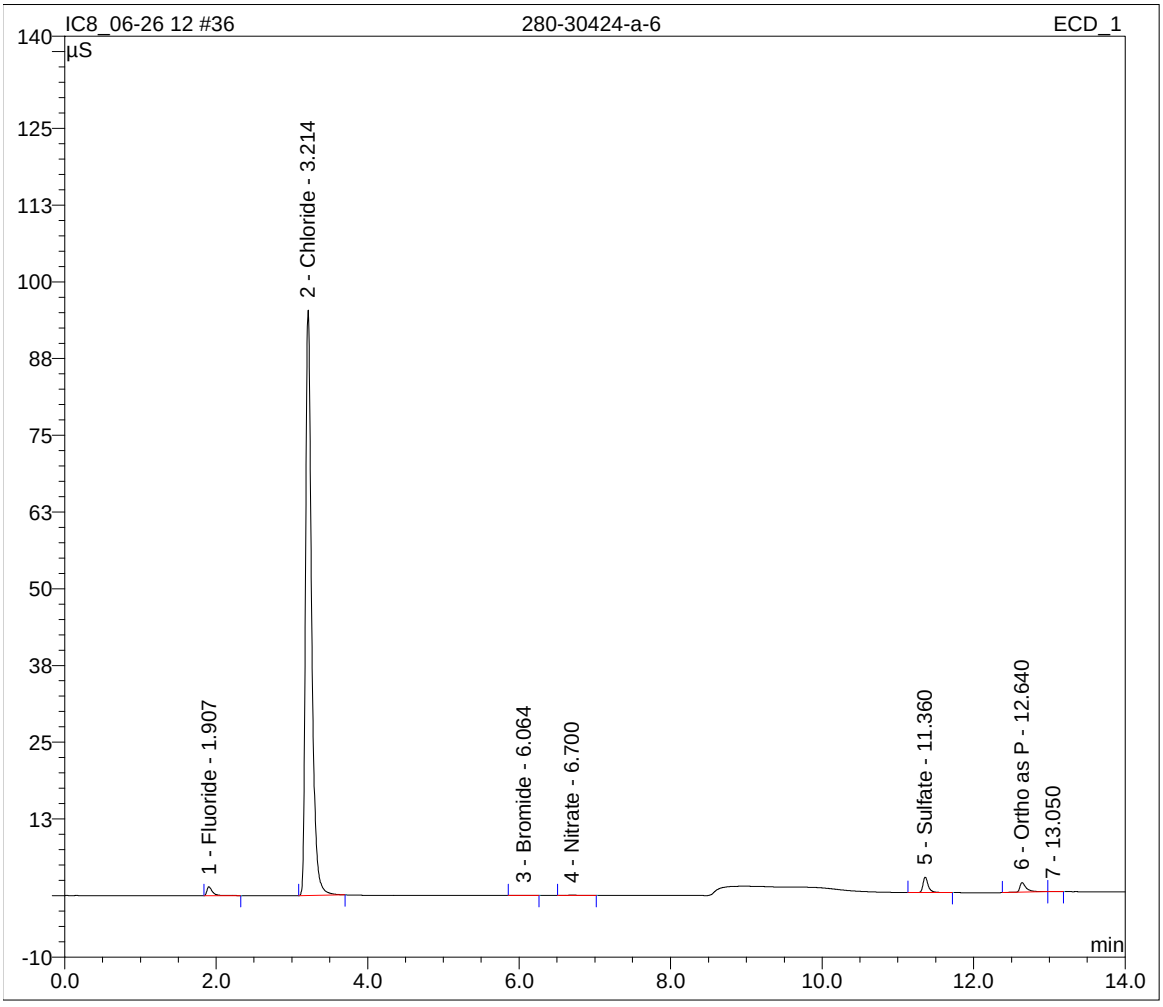
Sample Name:	**280-30424-a-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 16:27**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.122	1.451	0.4906
2	3.21	Chloride	BMB	8.809	94.851	63.6272
3	6.06	Bromide	BMB	0.003	0.024	0.0978
4	6.70	Nitrate	BMB	0.011	0.079	0.0565
5	11.35	Sulfate	BMB	0.205	2.527	1.5804
6	12.63	Ortho as P	BMb	0.159	1.549	0.1611
		TOTAL:		9.31	100.48	66.01



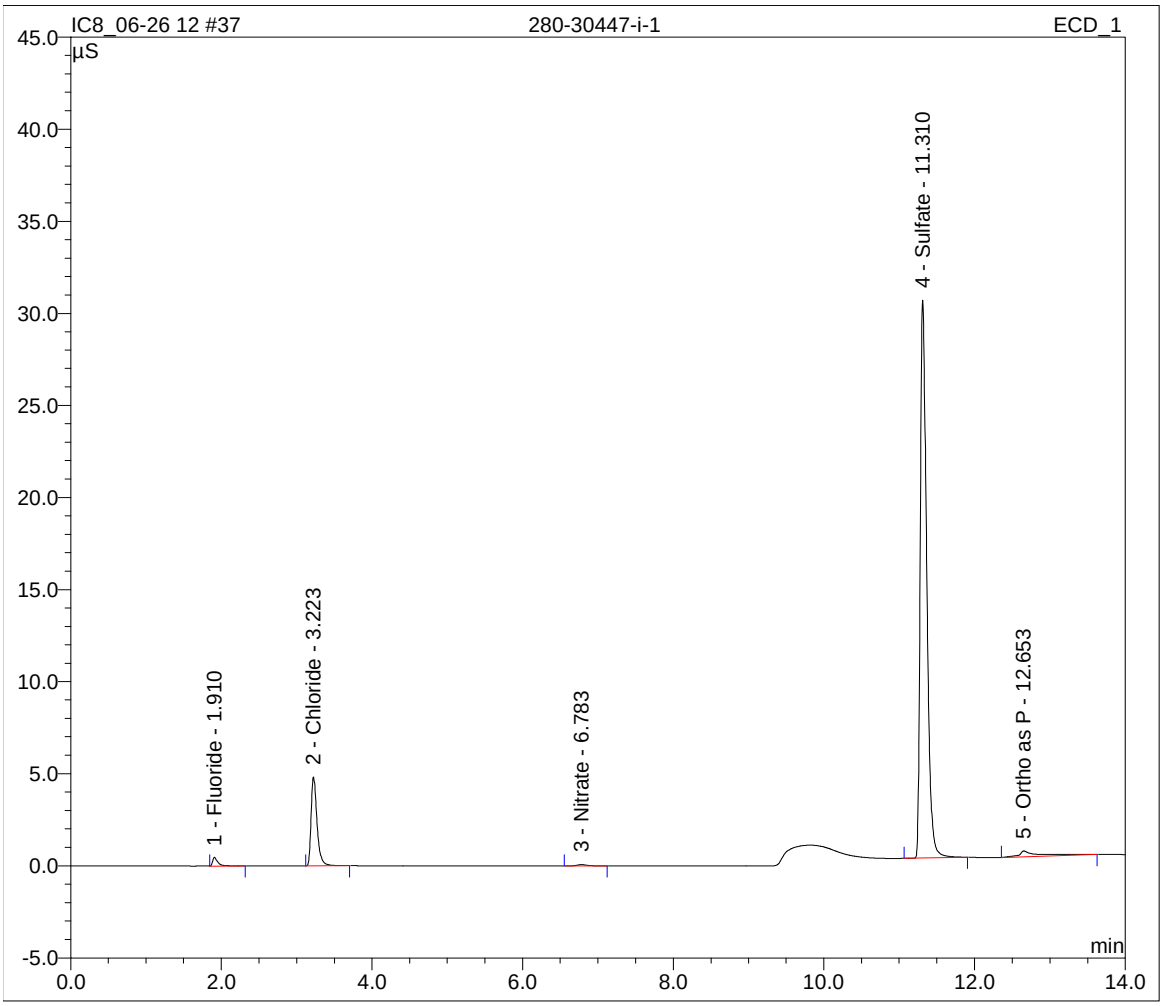
Sample Name:	**280-30424-a-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 16:44**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.122	1.452	0.4904
2	3.21	Chloride	BMB	8.854	95.382	63.9540
3	6.06	Bromide	BMB	0.003	0.024	0.0980
4	6.70	Nitrate	BMB	0.011	0.074	0.0544
5	11.36	Sulfate	BMB	0.199	2.490	1.5236
6	12.64	Ortho as P	BMb	0.159	1.564	0.1597
TOTAL:				9.35	100.99	66.28



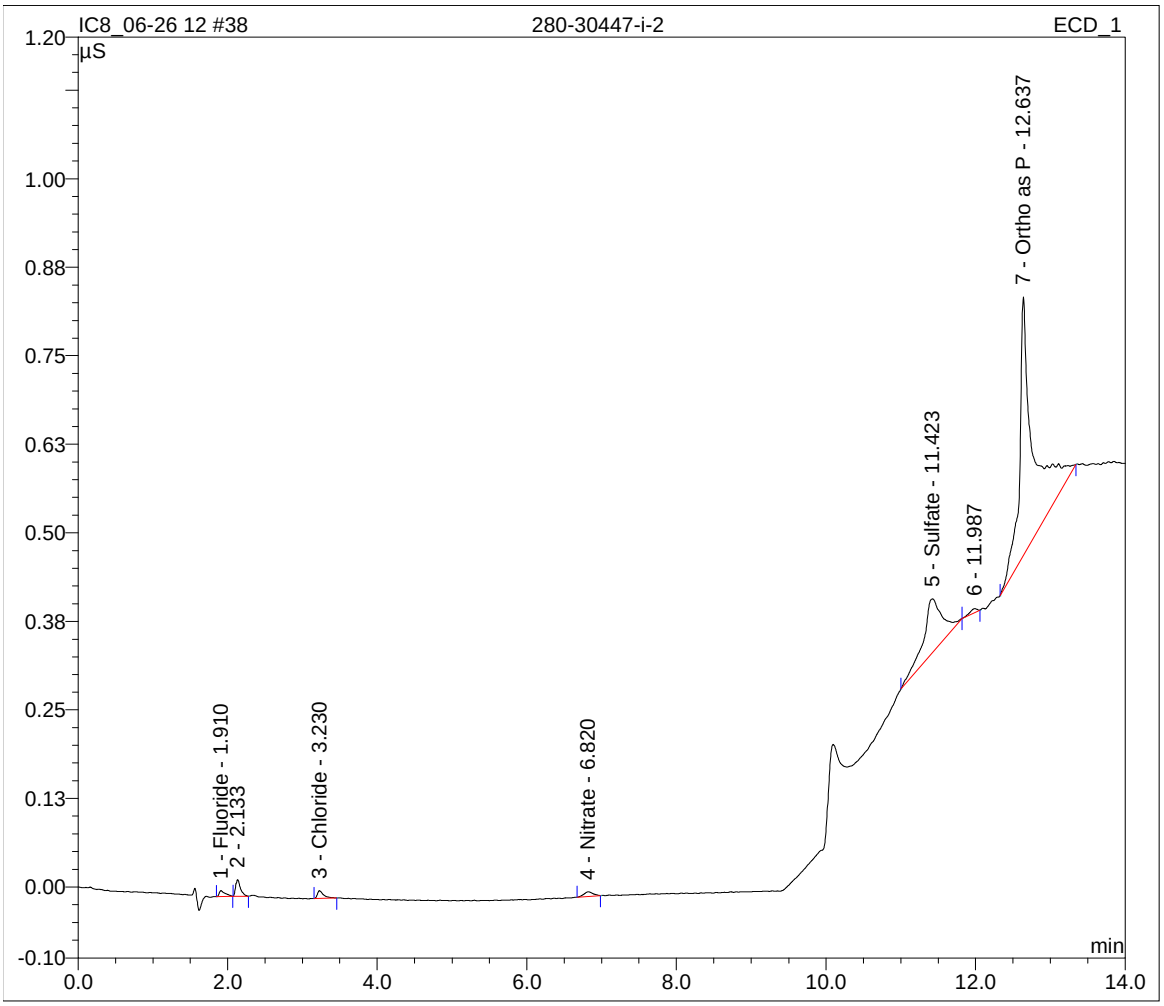
Sample Name:	**280-30447-i-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 17:01**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.038	0.474	0.1370
2	3.22	Chloride	BMB	0.440	4.828	3.2272
3	6.78	Nitrate	BMB	0.011	0.071	0.0545
4	11.31	Sulfate	BMB	3.053	30.308	27.3867
5	12.65	Ortho as P	BMB	0.097	0.314	-0.1571
		TOTAL:		3.64	36.00	30.65



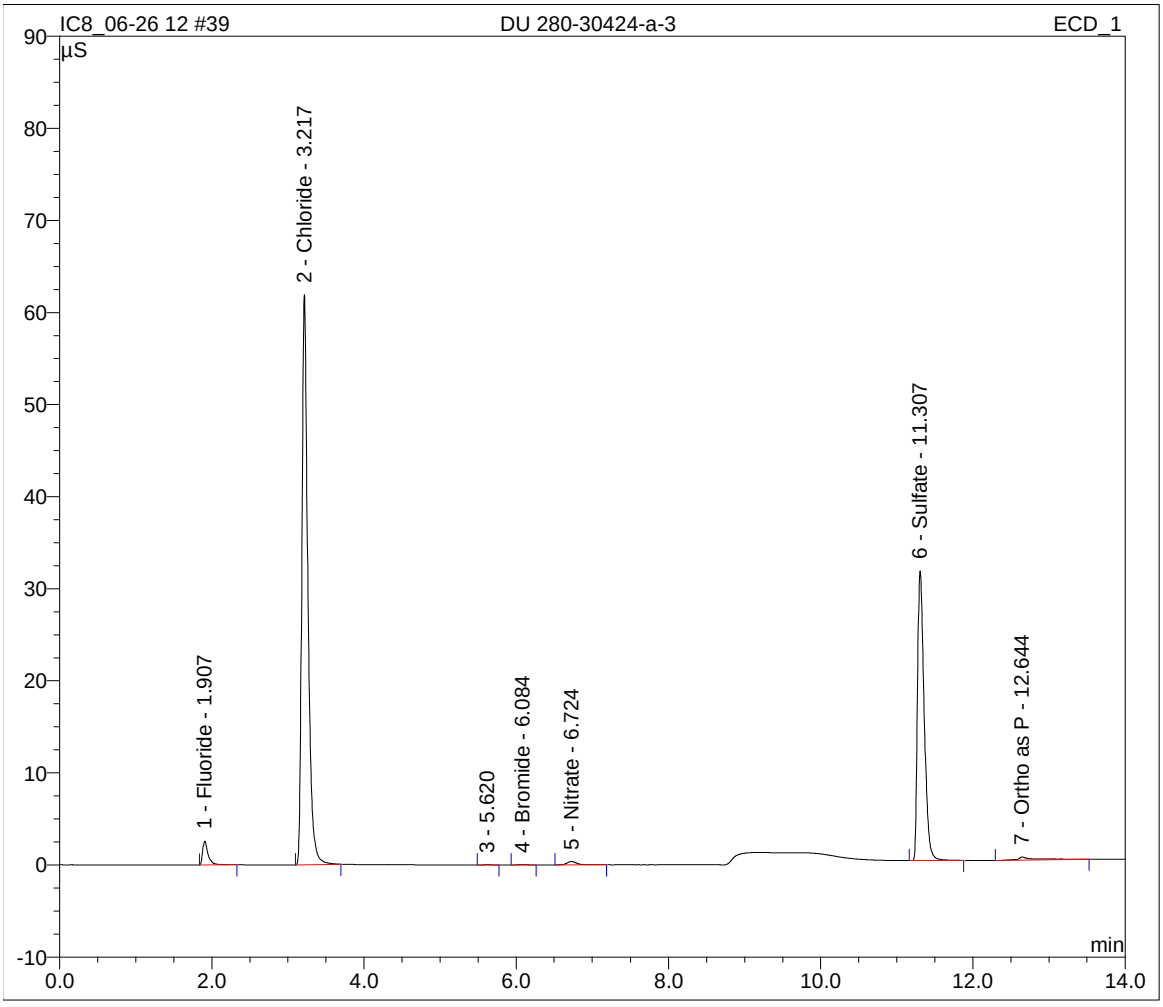
Sample Name:	**280-30447-i-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 17:17**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.001	0.008	-0.0214
3	3.23	Chloride	BMB	0.001	0.011	0.0564
4	6.82	Nitrate	BMB	0.001	0.007	0.0269
5	11.42	Sulfate	BMB	0.022	0.076	-0.0789
7	12.64	Ortho as P	BMB	0.078	0.365	-0.2567
		TOTAL:		0.10	0.47	-0.27



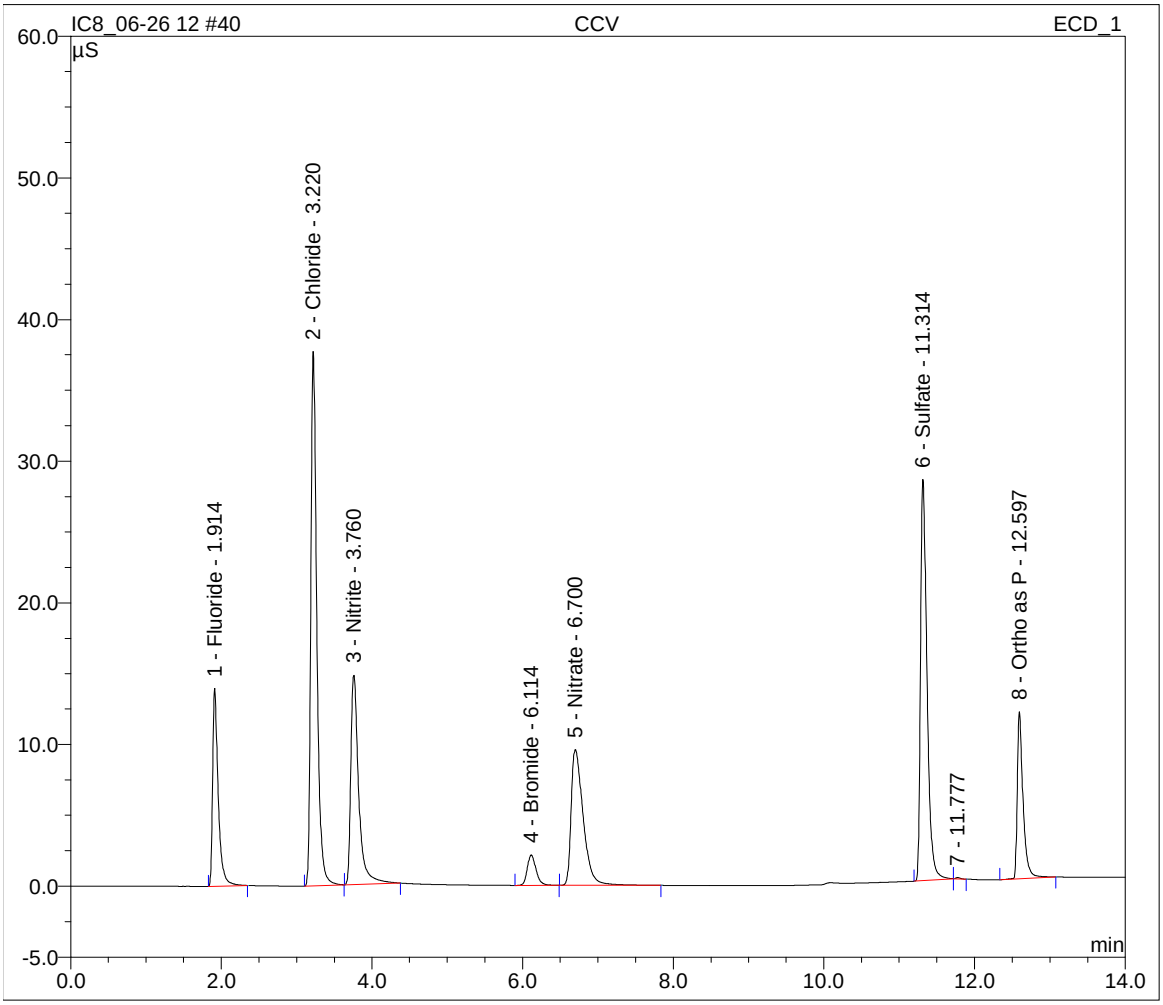
Sample Name:	**DU 280-30424-a-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 17:34**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.214	2.588	0.8796
2	3.22	Chloride	BMB	5.703	61.914	41.2108
4	6.08	Bromide	BMB	0.002	0.015	0.0770
5	6.72	Nitrate	BMB	0.053	0.360	0.1747
6	11.31	Sulfate	BMB	3.199	31.470	28.7035
7	12.64	Ortho as P	BMB	0.090	0.331	-0.1956
		TOTAL:		9.26	96.68	70.85



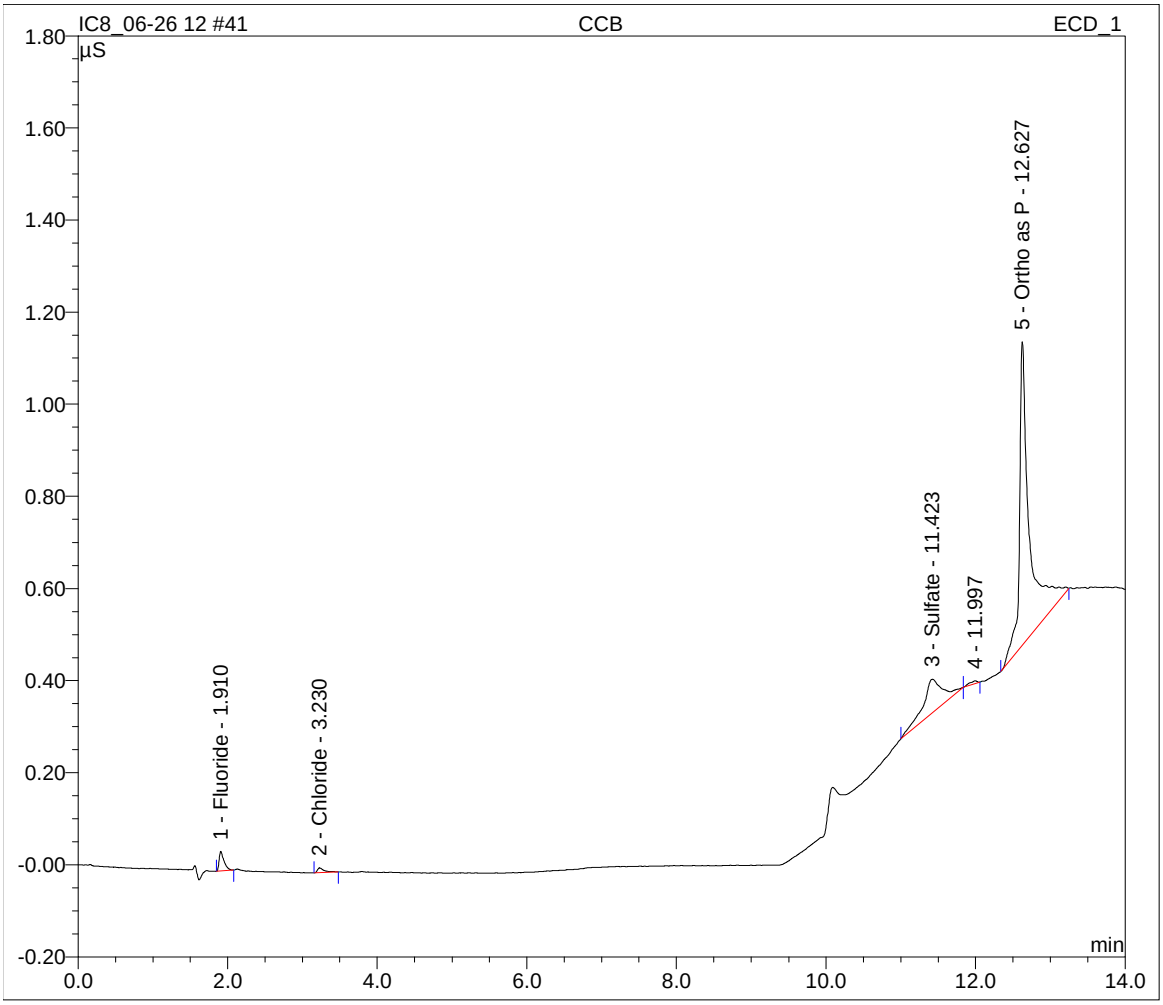
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 17:51**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.198	13.958	5.0376
2	3.22	Chloride	BMB	3.471	37.707	25.0991
3	3.76	Nitrite	BMB	1.792	14.792	4.9754
4	6.11	Bromide	BMB	0.291	2.145	4.9863
5	6.70	Nitrate	BMB	1.769	9.578	5.0091
6	11.31	Sulfate	BMb	2.864	28.326	25.6755
8	12.60	Ortho as P	BMB	1.052	11.770	4.7903
		TOTAL:		12.44	118.28	75.57



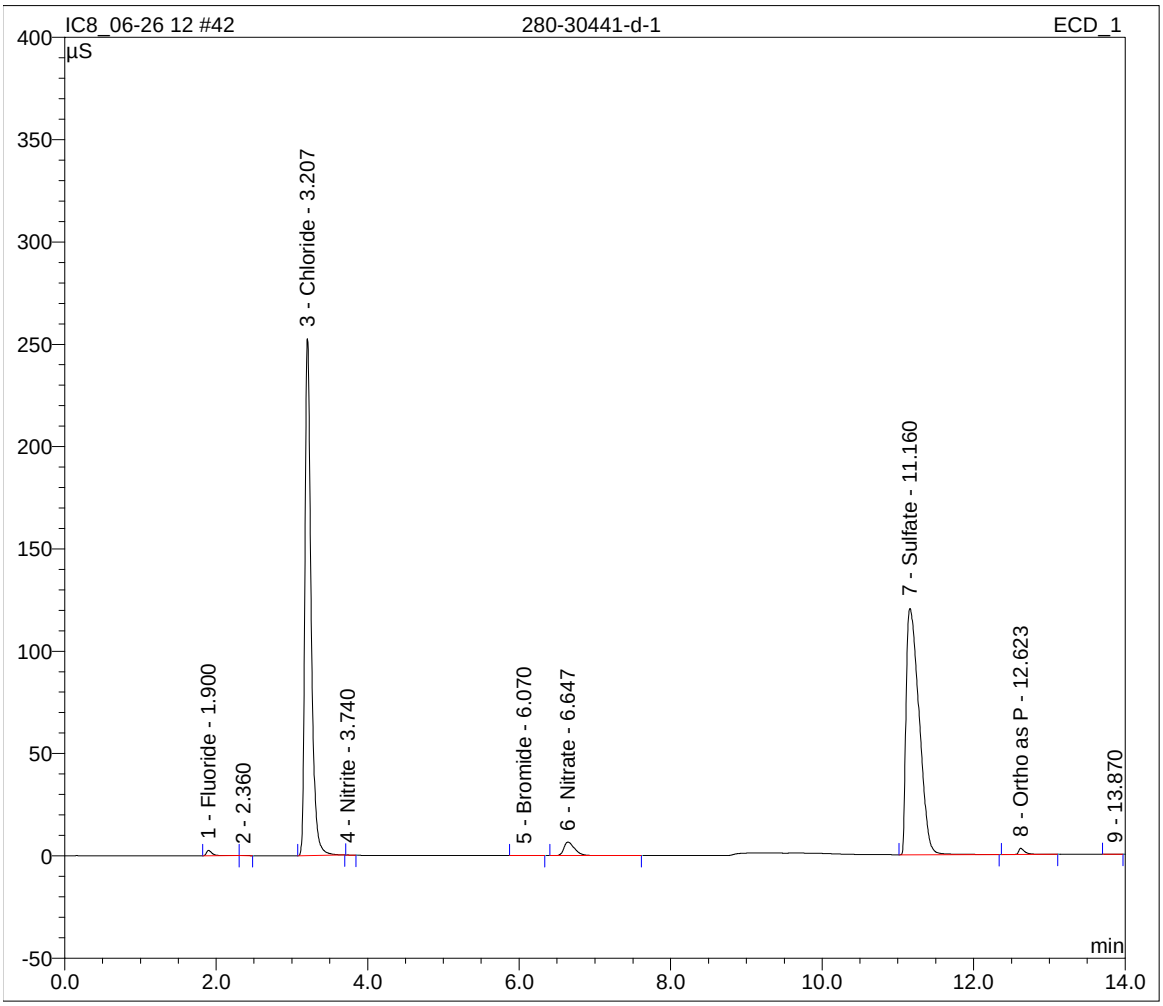
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 18:08**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.003	0.043	-0.0110
2	3.23	Chloride	BMB	0.001	0.010	0.0563
3	11.42	Sulfate	BMB	0.022	0.073	-0.0808
5	12.63	Ortho as P	BMB	0.102	0.658	-0.1313
TOTAL:				0.13	0.78	-0.17



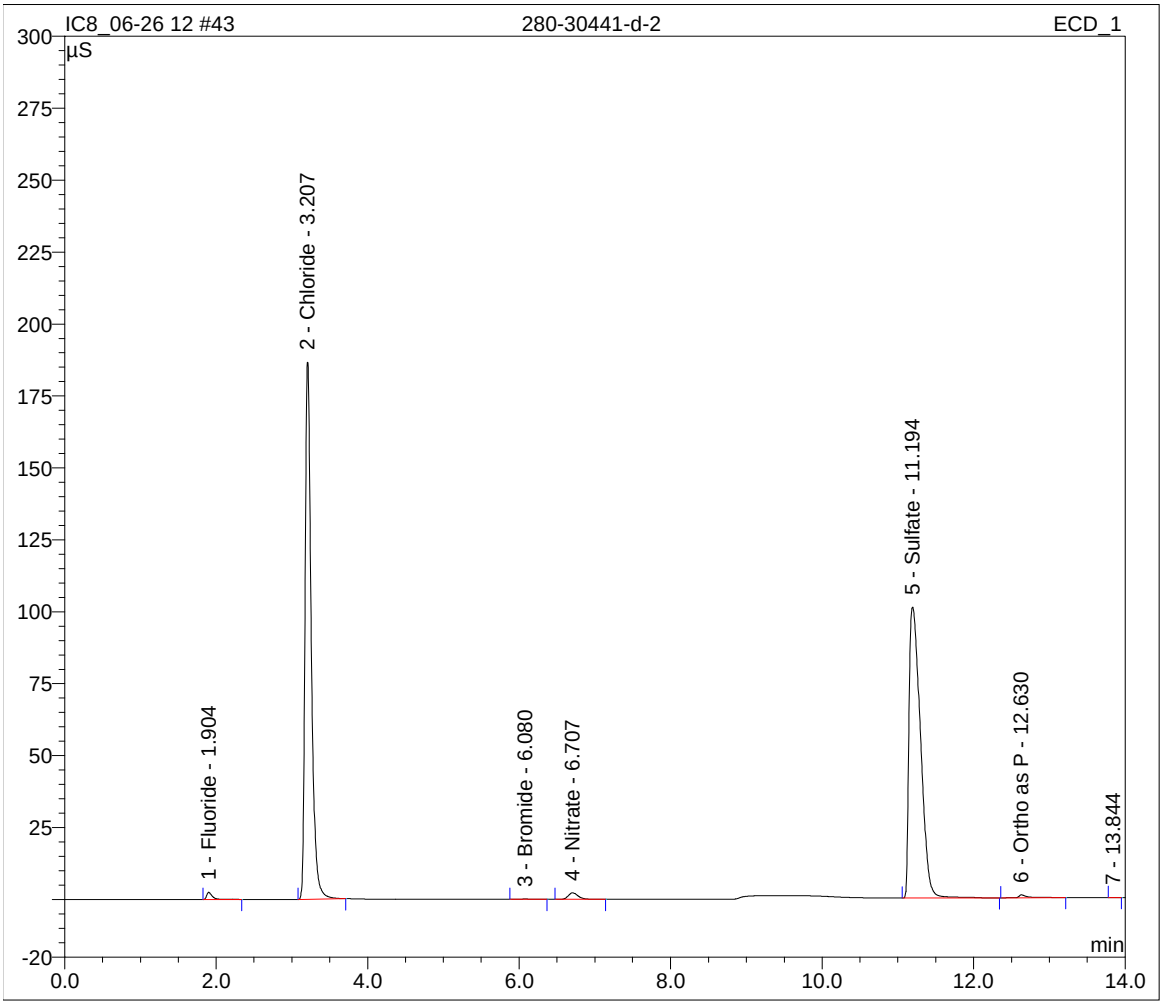
Sample Name:	**280-30441-d-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 18:25**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMb	0.226	2.620	0.9282
3	3.21	Chloride	BMB	23.882	252.740	172.4188
4	3.74	Nitrite	BMB	0.002	0.027	0.0265
5	6.07	Bromide	BMB	0.013	0.096	0.2627
6	6.65	Nitrate	BMB	1.096	6.585	3.1120
7	11.16	Sulfate	BMB	23.937	120.464	216.6028
8	12.62	Ortho as P	BMB	0.306	3.093	0.9222
		TOTAL:		49.46	385.62	394.27



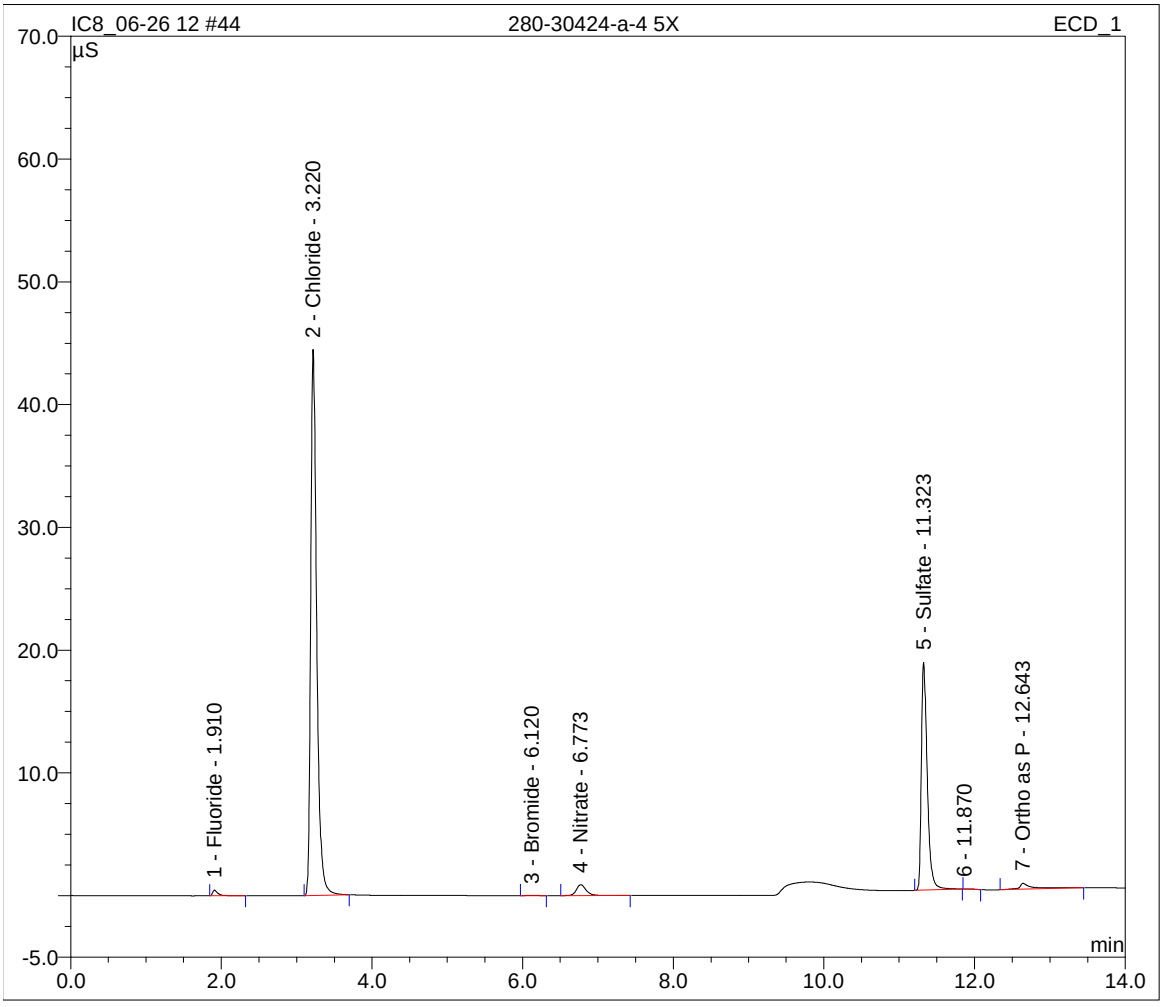
Sample Name:	**280-30441-d-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 18:41**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	0.210	2.489	0.8644
2	3.21	Chloride	BMB	17.635	186.594	127.3272
3	6.08	Bromide	BMB	0.016	0.120	0.3176
4	6.71	Nitrate	BMB	0.342	2.264	0.9872
5	11.19	Sulfate	BMB	17.810	101.091	161.0883
6	12.63	Ortho as P	BMB	0.140	1.053	0.0630
		TOTAL:		36.15	293.61	290.65



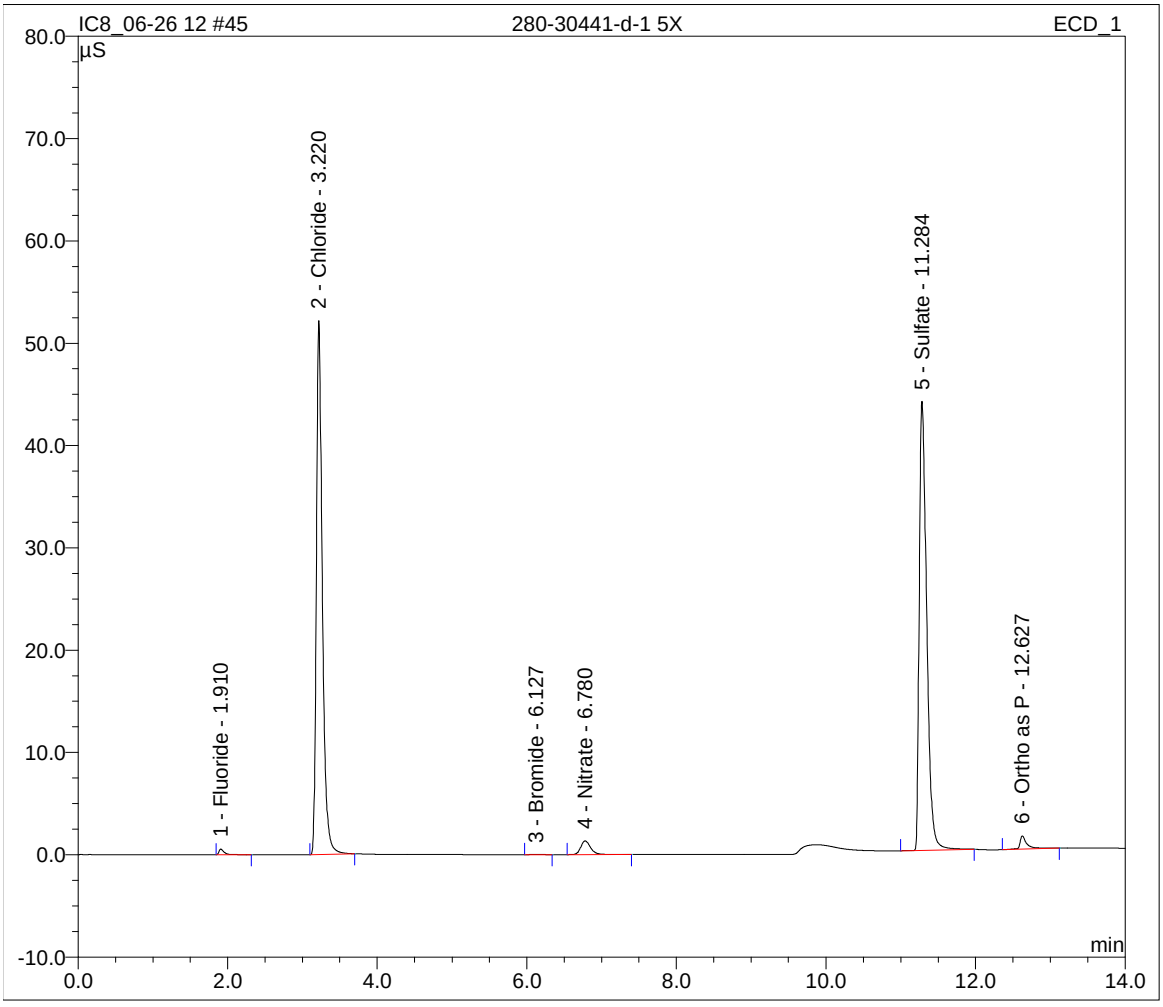
Sample Name:	**280-30424-a-4 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 18:58**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.038	0.464	0.6718
2	3.22	Chloride	BMB	4.097	44.461	148.0818
3	6.12	Bromide	BMB	0.001	0.010	0.3313
4	6.77	Nitrate	BMB	0.134	0.883	2.0149
5	11.32	Sulfate	BMB	1.708	18.562	75.9983
7	12.64	Ortho as P	BMB	0.103	0.482	-0.6429
		TOTAL:		6.08	64.86	226.46



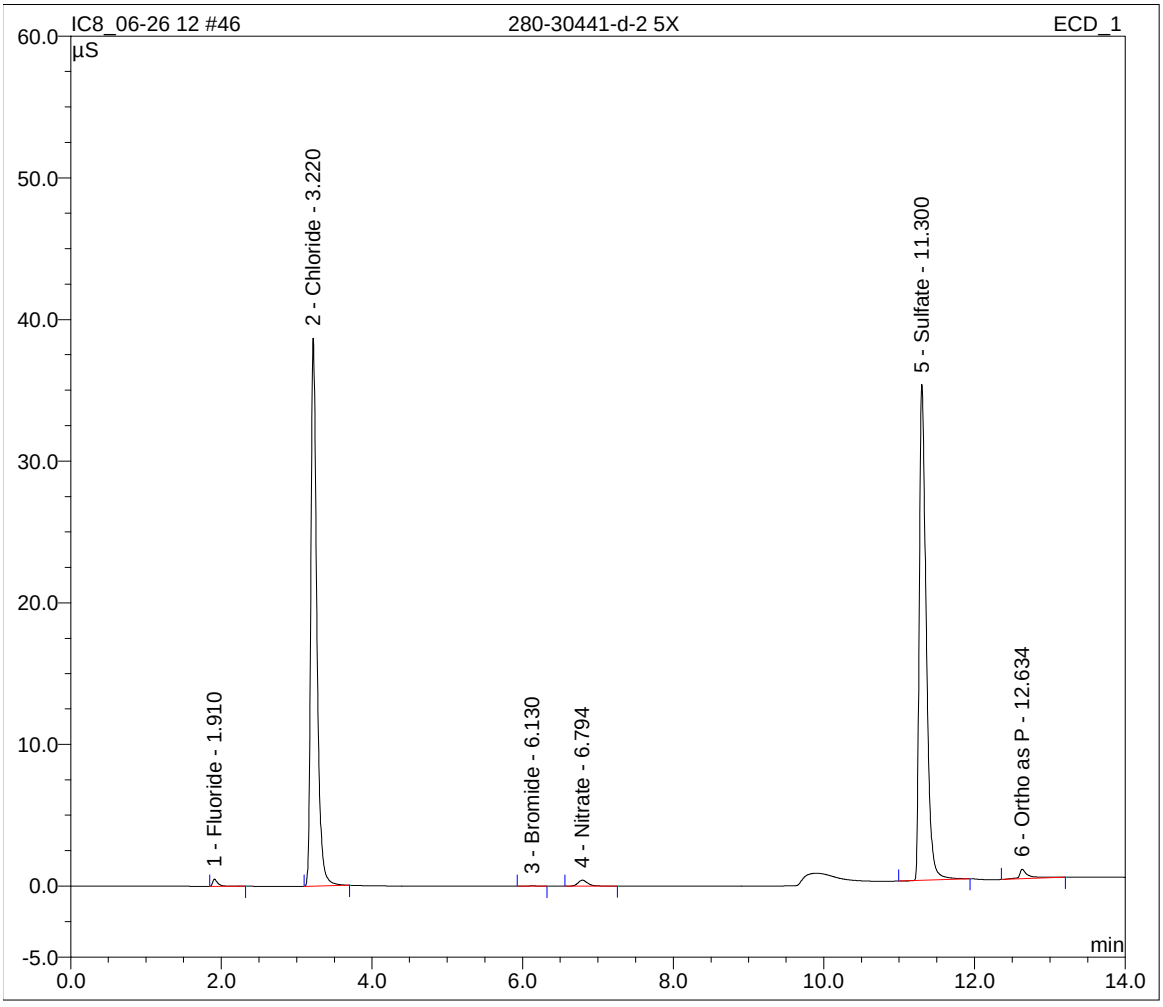
Sample Name:	**280-30441-d-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 19:15**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.046	0.558	0.8429
2	3.22	Chloride	BMB	4.837	52.205	174.7882
3	6.13	Bromide	BMB	0.002	0.018	0.4176
4	6.78	Nitrate	BMB	0.206	1.343	3.0258
5	11.28	Sulfate	BMB	5.083	43.874	228.8683
6	12.63	Ortho as P	BMB	0.144	1.297	0.4272
		TOTAL:		10.32	99.30	408.37



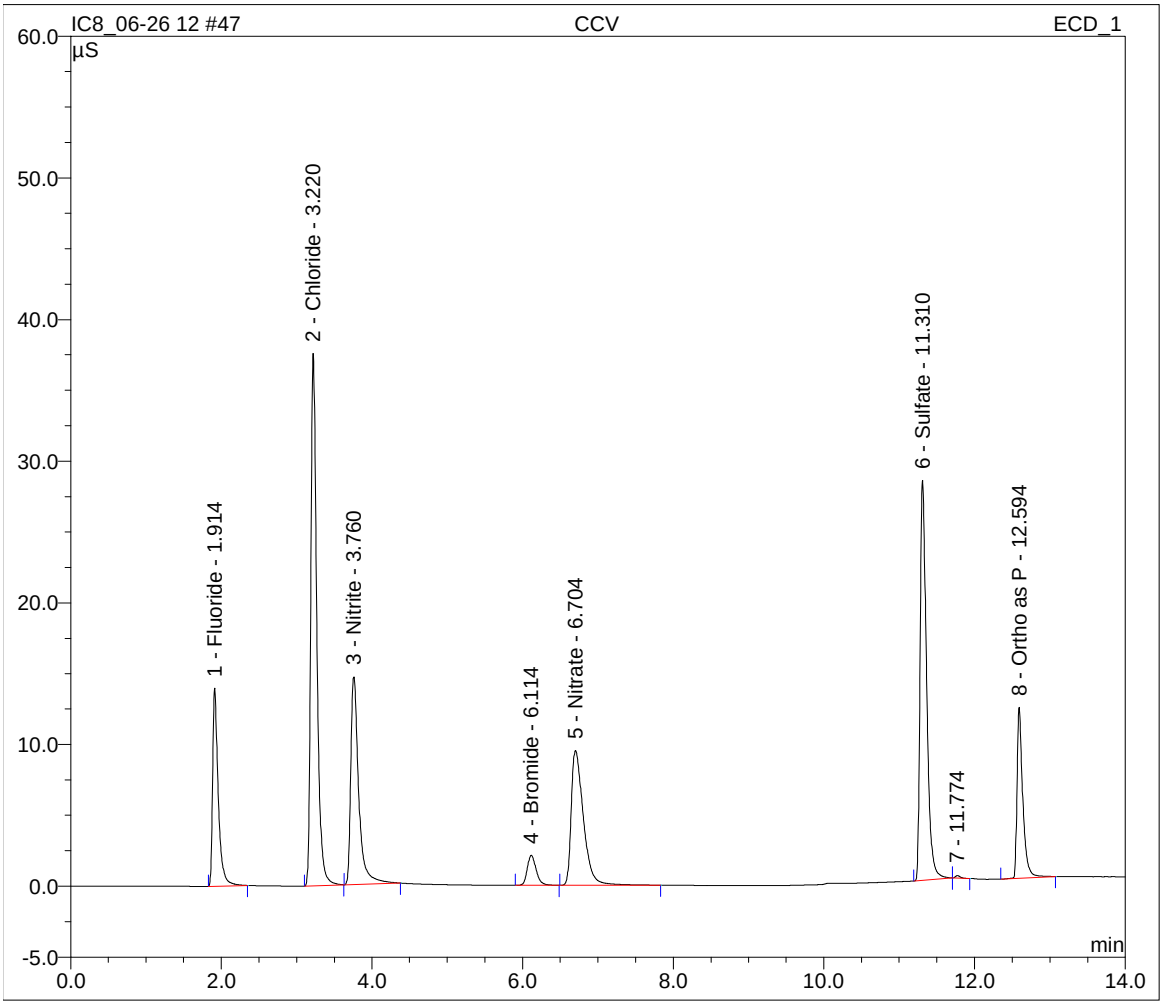
Sample Name:	**280-30441-d-2 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 19:32**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.042	0.518	0.7670
2	3.22	Chloride	BMB	3.570	38.679	129.0774
3	6.13	Bromide	BMB	0.003	0.023	0.4729
4	6.79	Nitrate	BMB	0.064	0.422	1.0185
5	11.30	Sulfate	BMB	3.780	34.999	169.8678
6	12.63	Ortho as P	BMB	0.096	0.669	-0.8299
		TOTAL:		7.56	75.31	300.37



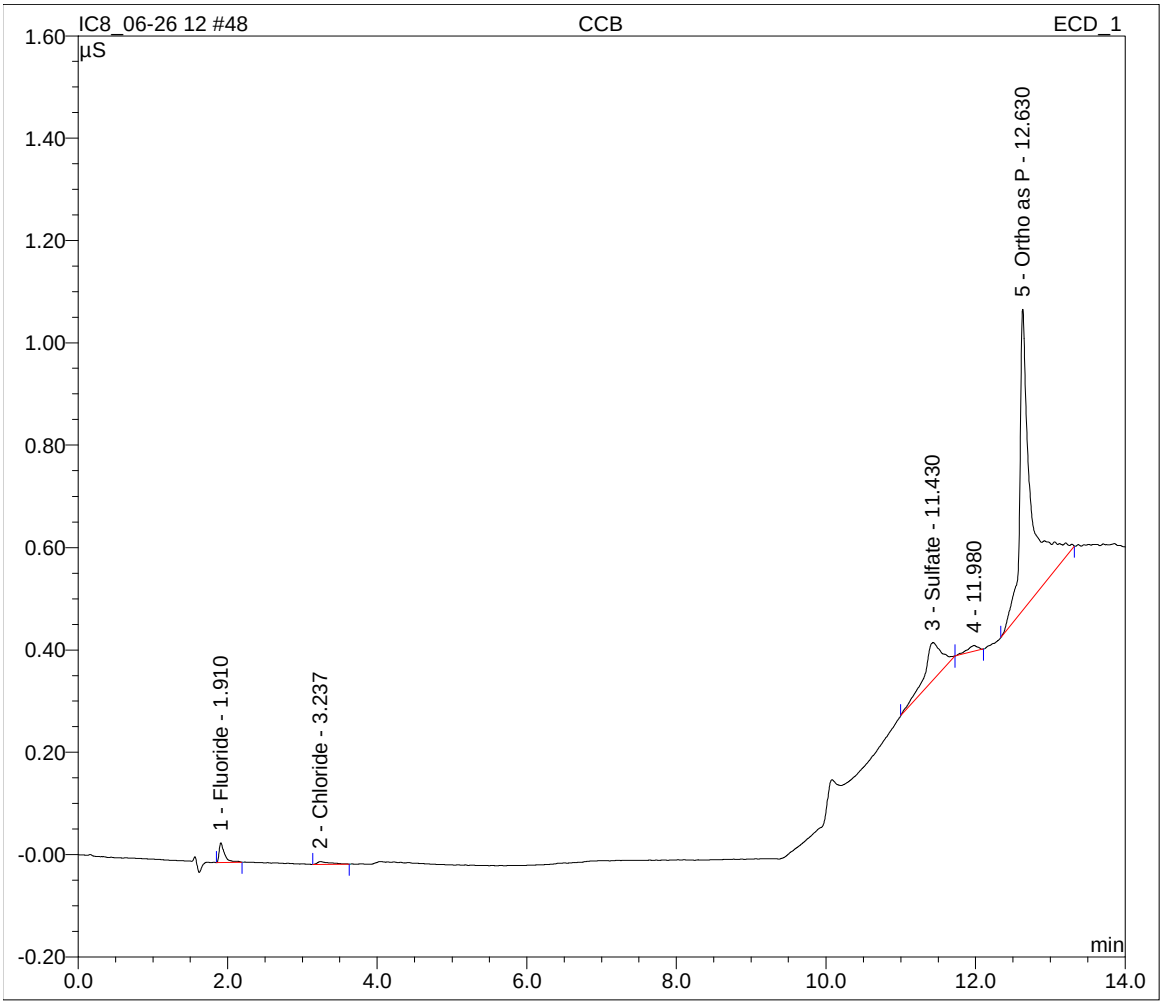
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 19:49**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.206	13.978	5.0683
2	3.22	Chloride	BMB	3.474	37.587	25.1255
3	3.76	Nitrite	BMB	1.782	14.672	4.9476
4	6.11	Bromide	BMB	0.290	2.121	4.9746
5	6.70	Nitrate	BMB	1.773	9.504	5.0187
6	11.31	Sulfate	BMb	2.850	28.221	25.5446
8	12.59	Ortho as P	BMB	1.075	12.055	4.9079
		TOTAL:		12.45	118.14	75.59



Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**26.06.12 20:05**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.003	0.039	-0.0109
2	3.24	Chloride	BMB	0.001	0.006	0.0571
3	11.43	Sulfate	BMB	0.019	0.074	-0.1055
5	12.63	Ortho as P	BMB	0.105	0.589	-0.1180
TOTAL:				0.13	0.71	-0.18



Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TOC **SOP #** DV-WC-0006

Instrument: SHIZ **Analyst:** D.B. **Analysis Date:** 07-16-12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30456	Aq.		128057	5310B	—
30777					—
30454 7 (RD 07-17-12)					—
30812					—
30334				9060/9060A	Q4
31052					—
30335					Q4
30425					Q4

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			
2. Correlation coefficient ≥ 0.995 ?	✓			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			—
4. ICB analyzed immediately after the ICV & results < the RL	✓			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			✓
6. CCB analyzed after every CCV & results < RL?	✓			—
7. Absolute value of the intercept is < ± ½ the RL?	✓			✓
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			—
3. All reported results bracketed by in control CCV results?	✓			—
4. Sample analyses done within holding time?	✓			—
5. Initial pH check documented for all samples? (If Applicable)	✓			—
6. Preparation benchsheet completed and included in package?			✓	—
7. Client requirements reviewed and met?	✓			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
11. Raw data copies prepared, scanned, and uploaded?	✓			—
12. Manual integrations done properly and initialed and dated?			✓	—
13. STD/True Value information is updated and included?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?	✓			—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	✓

Analyst: D.B. **Date:** 07-17-12

2nd Level Reviewer : [signature] **Date:** 7/17/12

	Analysis	Sample Name	Dilution	Result	Date / Time	Vial
1	NPOC	ICV	1.000	NPOC:18.78ppm	07/16/2012 06:02:11 PM	1
2	NPOC	ICB	1.000	NPOC:0.1213ppm	07/16/2012 06:20:34 PM	2
3	NPOC	LCS	1.000	NPOC:23.80ppm	07/16/2012 06:38:56 PM	3
4	NPOC	LCSD	1.000	NPOC:23.93ppm	07/16/2012 06:56:58 PM	4
5	NPOC	MB	1.000	NPOC:0.1213ppm	07/16/2012 07:15:23 PM	5
6	NPOC	280-30456-c-5	40.00	NPOC:1028ppm	07/16/2012 07:33:21 PM	6
7	NPOC	280-30777-c-1	1.000	NPOC:2.167ppm	07/16/2012 07:51:20 PM	7
8	NPOC	MS 280-30777-c-1	1.000	NPOC:26.12ppm	07/16/2012 08:09:24 PM	8
9	NPOC	MSD 280-30777-c-1	1.000	NPOC:26.15ppm	07/16/2012 08:27:30 PM	9
10	NPOC	280-30777-c-2	1.000	NPOC:5.706ppm	07/16/2012 08:44:13 PM	10
11	NPOC	280-30777-c-3	1.000	NPOC:19.32ppm	07/16/2012 09:04:14 PM	11
12	NPOC	280-30777-c-4	1.000	NPOC:9.588ppm	07/16/2012 09:21:42 PM	12
13	NPOC	280-30777-c-5	1.000	NPOC:0.4266ppm	07/16/2012 09:38:27 PM	13
14	NPOC	280-30777-d-6	1.000	NPOC:0.8379ppm	07/16/2012 09:57:34 PM	14
15	NPOC	280-30777-c-7	1.000	NPOC:1.362ppm	07/16/2012 10:13:22 PM	15
16	NPOC	CCV	1.000	NPOC:24.80ppm	07/16/2012 10:31:47 PM	16
17	NPOC	CCB	1.000	NPOC:0.1213ppm	07/16/2012 10:50:02 PM	17
18	NPOC	280-30777-d-8	1.000	NPOC:2.204ppm	07/16/2012 11:06:06 PM	18
19	NPOC	280-30777-c-9	1.000	NPOC:0.4867ppm	07/16/2012 11:23:07 PM	19
20	NPOC	280-30777-d-10	1.000	NPOC:0.9666ppm	07/16/2012 11:38:39 PM	20
21	NPOC	280-30777-c-11	1.000	NPOC:0.8125ppm	07/16/2012 11:57:49 PM	21
22	NPOC	280-30547-b-8	1.000	NPOC:0.4077ppm	07/17/2012 12:15:42 AM	22
23	NPOC	MS 280-30547-b-8	1.000	NPOC:24.16ppm	07/17/2012 12:33:31 AM	23
24	NPOC	MSD 280-30547-b-8	1.000	NPOC:23.96ppm	07/17/2012 12:51:32 AM	24
25	NPOC	280-30547-b-9	1.000	NPOC:0.6938ppm	07/17/2012 01:10:32 AM	25
26	NPOC	280-30547-b-10	1.000	NPOC:0.9008ppm	07/17/2012 01:27:50 AM	26
27	NPOC	280-30547-b-11	1.000	NPOC:0.7407ppm	07/17/2012 01:43:17 AM	27
28	NPOC	CCV	1.000	NPOC:24.37ppm	07/17/2012 02:01:31 AM	28
29	NPOC	CCB	1.000	NPOC:0.1213ppm	07/17/2012 02:20:00 AM	29
30	NPOC	280-30547-b-12	1.000	NPOC:0.5409ppm	07/17/2012 02:36:52 AM	30
31	NPOC	280-30812-b-1	1.000	NPOC:5.682ppm	07/17/2012 02:53:36 AM	31
32	NPOC	LCS	1.000	NPOC:24.55ppm	07/17/2012 03:12:19 AM	32
33	NPOC	LCSD	1.000	NPOC:24.48ppm	07/17/2012 03:33:15 AM	33
34	NPOC	MB	1.000	NPOC:0.1213ppm	07/17/2012 03:51:38 AM	34
35	NPOC	280-30334-d-1	1.000	NPOC:2.030ppm	07/17/2012 04:09:32 AM	35
36	NPOC	MS 280-30334-d-1	1.000	NPOC:25.54ppm	07/17/2012 04:27:25 AM	36
37	NPOC	MSD 280-30334-d-1	1.000	NPOC:25.55ppm	07/17/2012 04:45:34 AM	37
38	NPOC	280-30334-d-2	1.000	NPOC:2.220ppm	07/17/2012 05:05:30 AM	38
39	NPOC	280-30334-d-3	1.000	NPOC:8.118ppm	07/17/2012 05:22:26 AM	39
40	NPOC	CCV	1.000	NPOC:24.79ppm	07/17/2012 05:40:55 AM	40
41	NPOC	CCB	1.000	NPOC:0.1213ppm	07/17/2012 05:59:24 AM	41
42	NPOC	280-30334-d-4	1.000	NPOC:2.332ppm	07/17/2012 06:15:29 AM	42
43	NPOC	280-31052-a-1	1.000	NPOC:1.884ppm	07/17/2012 06:31:21 AM	43
44	NPOC	280-30335-d-1	1.000	NPOC:2.043ppm	07/17/2012 06:47:21 AM	44
45	NPOC	280-30335-d-2	1.000	NPOC:0.4841ppm	07/17/2012 07:04:09 AM	45
46	NPOC	280-30335-d-3	1.000	NPOC:2.770ppm	07/17/2012 07:20:18 AM	46
47	NPOC	280-30335-d-4	1.000	NPOC:2.180ppm	07/17/2012 07:38:24 AM	47
48	NPOC	280-30335-d-5	1.000	NPOC:2.021ppm	07/17/2012 07:56:24 AM	48
49	NPOC	280-30335-d-6	1.000	NPOC:0.3737ppm	07/17/2012 08:12:50 AM	49
50	NPOC	280-30425-d-1	1.000	NPOC:1.905ppm	07/17/2012 08:28:49 AM	50
51	NPOC	280-30425-d-2	1.000	NPOC:2.184ppm	07/17/2012 08:44:52 AM	51
52	NPOC	CCV	1.000	NPOC:24.76ppm	07/17/2012 09:03:15 AM	52
53	NPOC	CCB	1.000	NPOC:0.2092ppm	07/17/2012 09:21:04 AM	53
54	NPOC	280-30425-d-3	1.000	NPOC:1.090ppm	07/17/2012 09:38:24 AM	54
55	NPOC	280-30425-l-4	1.000	NPOC:0.6940ppm	07/17/2012 09:55:31 AM	55
56	NPOC	MS 280-30425-l-4	1.000	NPOC:24.53ppm	07/17/2012 10:13:33 AM	56
57	NPOC	MSD 280-30425-l-4	1.000	NPOC:24.46ppm	07/17/2012 10:31:29 AM	57
58	NPOC	280-30425-d-5	1.000	NPOC:0.7843ppm	07/17/2012 10:48:43 AM	58
59	NPOC	280-30425-d-6	1.000	NPOC:0.6626ppm	07/17/2012 11:07:31 AM	59
60	NPOC	280-30425-d-7	1.000	NPOC:1.358ppm	07/17/2012 11:26:50 AM	60
61	NPOC	280-30425-d-8	1.000	NPOC:0.2465ppm	07/17/2012 11:40:59 AM	61
62	NPOC	CCV	1.000	NPOC:24.72ppm	07/17/2012 11:59:33 AM	62
63	NPOC	CCB	1.000	NPOC:0.1714ppm	07/17/2012 12:18:04 PM	63

Instr.Information

System	TOC-VCSH(2)
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TOC .met
Status	Completed
Chk. Result	

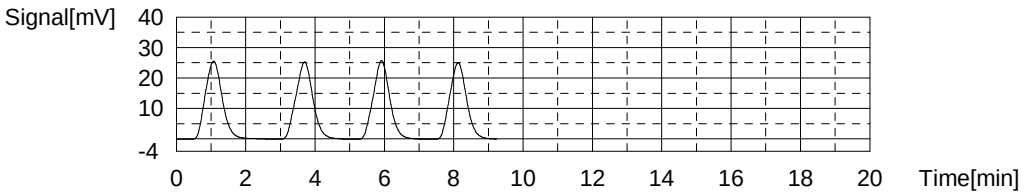
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.78ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.88	18.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 05:54:55 PM
2	86.59	18.93ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 05:57:21 PM
3	85.60	18.71ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 05:59:47 PM
4	84.62	18.50ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:02:11 PM

Mean Area 85.92
Mean Conc. 18.78ppm



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TOC .met
Status	Completed
Chk. Result	

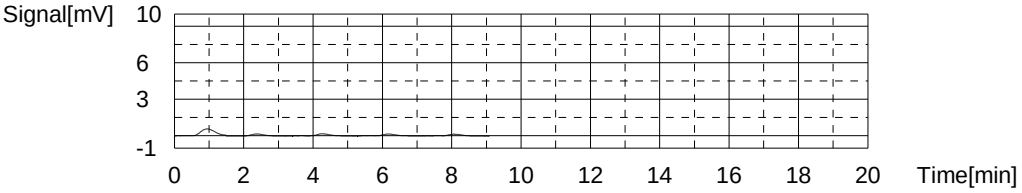
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.409	0.4273ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:12:10 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:14:16 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:16:22 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:18:28 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:20:34 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: LCS
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

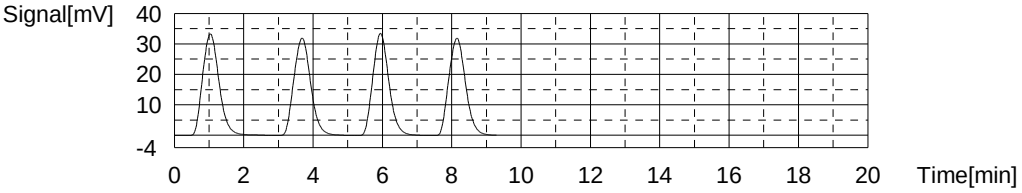
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.80ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	110.6	24.14ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:31:39 PM
2	108.6	23.71ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:34:08 PM
3	108.6	23.71ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:36:32 PM
4	108.2	23.62ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:38:56 PM

Mean Area 109.0
Mean Conc. 23.80ppm



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

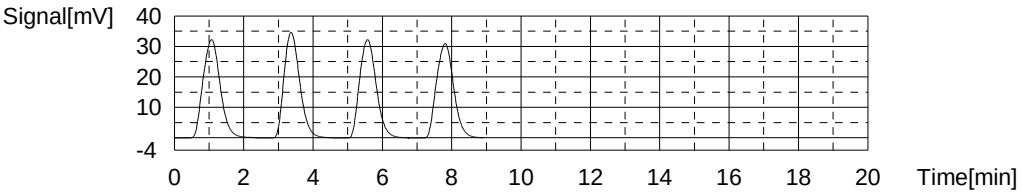
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.93ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.5	24.34ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:49:48 PM
2	110.1	24.03ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:52:10 PM
3	108.8	23.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:54:34 PM
4	108.0	23.58ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:56:58 PM

Mean Area 109.6
Mean Conc. 23.93ppm



Sample

Sample Name: MB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

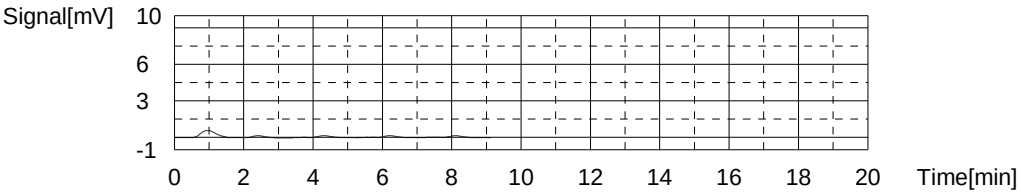
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.578	0.4640ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:06:59 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:09:05 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:11:11 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:13:17 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:15:23 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30456-c-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

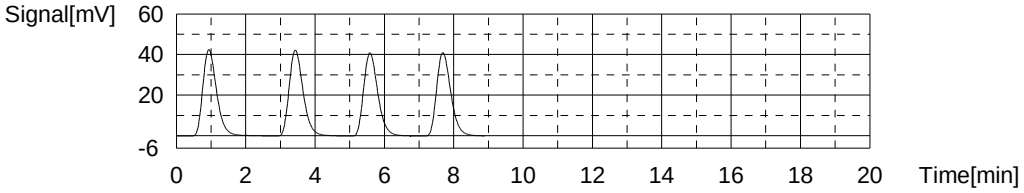
Type	Anal.	Dil.	Result
Unknown	NPOC	40.00	NPOC:1028ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	118.0	1030ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:26:20 PM
2	119.0	1039ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:28:41 PM
3	116.9	1020ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:31:00 PM
4	117.3	1024ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:33:21 PM

Mean Area 117.8
Mean Conc. 1028ppm



Sample

Sample Name: 280-30777-c-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

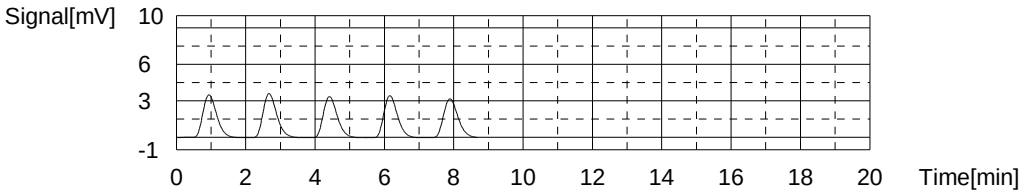
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.167ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.608	2.208ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:43:35 PM
2	9.831	2.257ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:45:31 PM
3	9.387	2.160ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:47:27 PM
4	9.401	2.163ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:49:23 PM
5	9.274	2.136ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:51:20 PM

Mean Area 9.418
Mean Conc. 2.167ppm



Sample

Sample Name: MS 280-30777-c-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

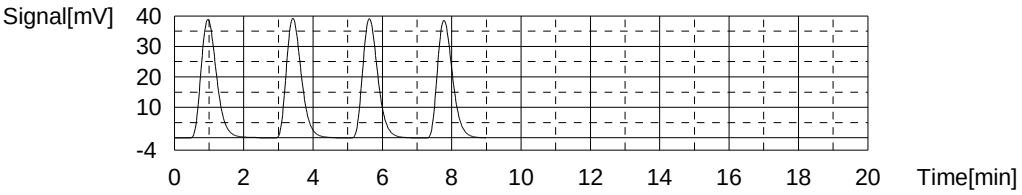
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:26.12ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	121.7	26.55ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:02:17 PM
2	119.2	26.01ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:04:40 PM
3	119.7	26.12ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:07:02 PM
4	118.2	25.79ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:09:24 PM

Mean Area 119.7
Mean Conc. 26.12ppm



Sample

Sample Name: MSD 280-30777-c-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

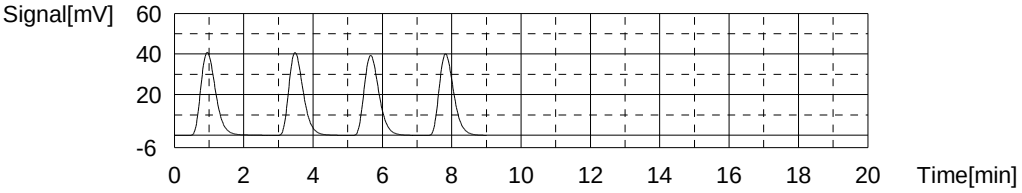
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:26.15ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	122.6	26.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:20:26 PM
2	119.4	26.05ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:22:48 PM
3	119.1	25.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:25:10 PM
4	118.3	25.82ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:27:30 PM

Mean Area 119.9
Mean Conc. 26.15ppm



Sample

Sample Name: 280-30777-c-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

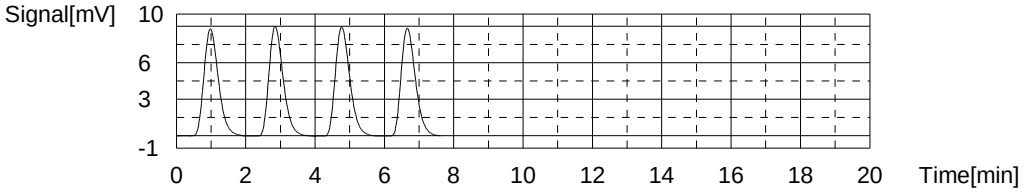
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.706ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	25.39	5.636ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:37:54 PM
2	25.82	5.729ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:40:00 PM
3	26.14	5.799ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:42:07 PM
4	25.50	5.660ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:44:13 PM

Mean Area 25.71
Mean Conc. 5.706ppm



Sample

Sample Name: 280-30777-c-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

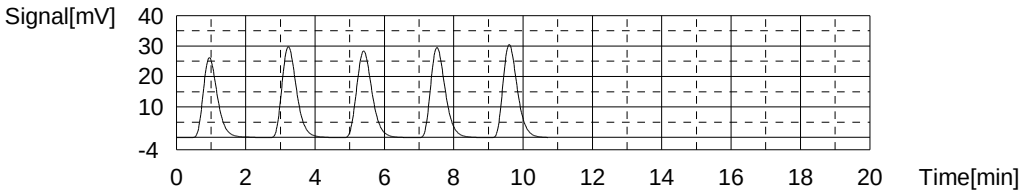
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.32ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	74.87	16.38ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:54:59 PM
2	88.16	19.27ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:57:18 PM
3	88.69	19.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:59:40 PM
4	87.67	19.16ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:01:58 PM
5	89.07	19.47ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:04:14 PM

Mean Area 88.40
Mean Conc. 19.32ppm



Sample

Sample Name: 280-30777-c-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

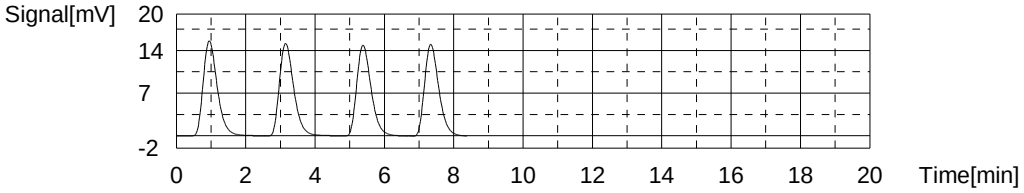
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:9.588ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	44.17	9.715ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:14:55 PM
2	43.76	9.626ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:17:20 PM
3	43.01	9.463ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:19:30 PM
4	43.40	9.547ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:21:42 PM

Mean Area 43.59
Mean Conc. 9.588ppm



Sample

Sample Name: 280-30777-c-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

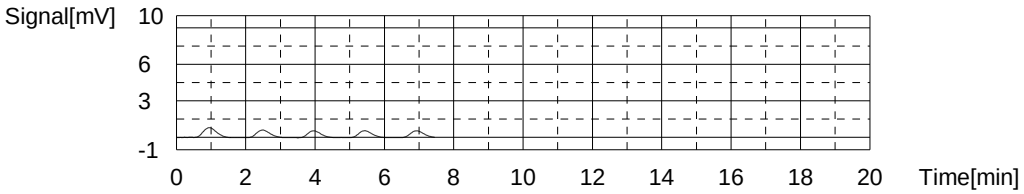
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4266ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.084	0.5739ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:31:45 PM
2	1.514	0.4501ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:33:26 PM
3	1.381	0.4212ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:35:06 PM
4	1.399	0.4251ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:36:47 PM
5	1.328	0.4097ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:38:27 PM

Mean Area 1.406
Mean Conc. 0.4266ppm



Sample

Sample Name: 280-30777-d-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

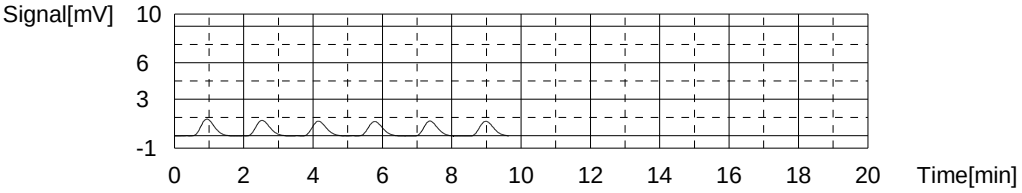
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8379ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.601	0.9034ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:48:31 PM
2	3.544	0.8910ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:50:20 PM
3	3.322	0.8428ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:52:09 PM
4	3.241	0.8252ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:53:58 PM
5	3.298	0.8376ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:55:46 PM
6	3.337	0.8461ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:57:34 PM

Mean Area 3.300
Mean Conc. 0.8379ppm



Sample

Sample Name: 280-30777-c-7
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

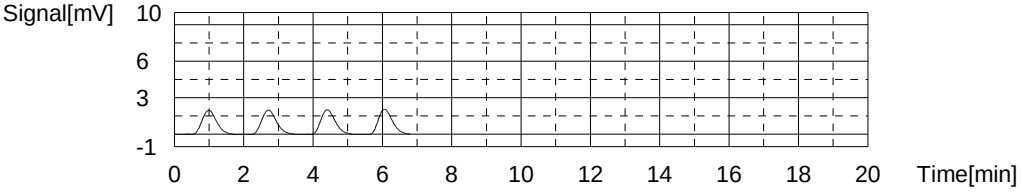
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.362ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.630	1.344ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:07:41 PM
2	5.801	1.381ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:09:37 PM
3	5.672	1.353ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:11:29 PM
4	5.753	1.371ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:13:22 PM

Mean Area 5.714
Mean Conc. 1.362ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

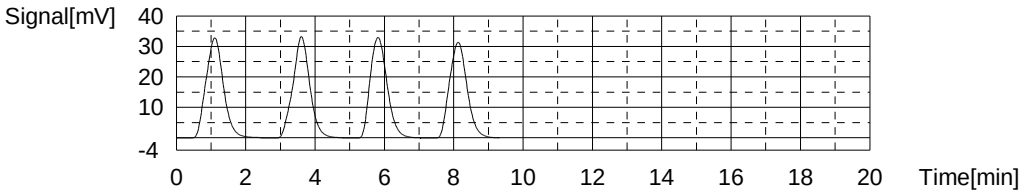
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.80ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	115.4	25.19ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:24:18 PM
2	113.7	24.82ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:26:51 PM
3	113.4	24.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:29:18 PM
4	112.0	24.45ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:31:47 PM

Mean Area 113.6
Mean Conc. 24.80ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

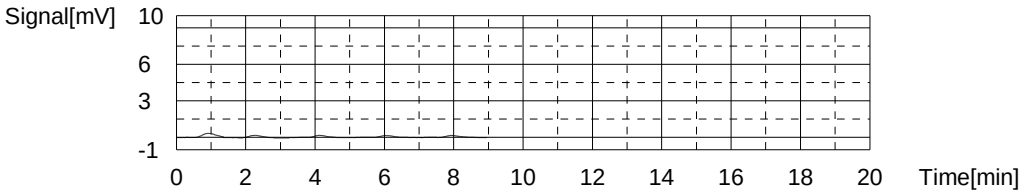
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6884	0.2708ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:41:38 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:43:44 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:45:50 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:47:56 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:50:02 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30777-d-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

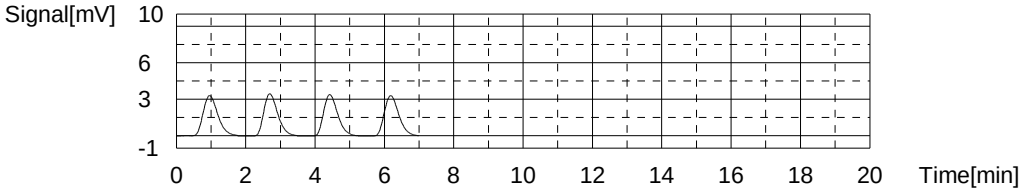
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.204ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.545	2.194ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:00:17 PM
2	9.641	2.215ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:02:12 PM
3	9.563	2.198ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:04:09 PM
4	9.600	2.206ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:06:06 PM

Mean Area 9.587
Mean Conc. 2.204ppm



Sample

Sample Name: 280-30777-c-9
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

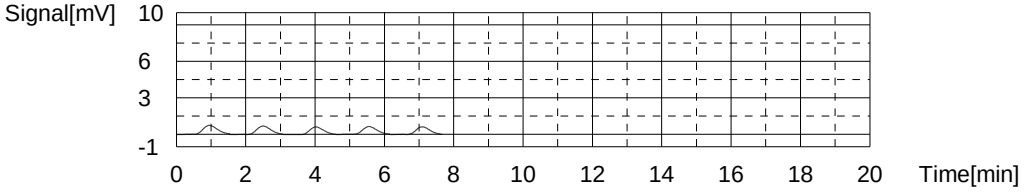
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4867ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.924	0.5392ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:16:08 PM
2	1.824	0.5175ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:17:53 PM
3	1.619	0.4729ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:19:36 PM
4	1.668	0.4836ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:21:24 PM
5	1.619	0.4729ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:23:07 PM

Mean Area 1.683
Mean Conc. 0.4867ppm



Sample

Sample Name: 280-30777-d-10
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

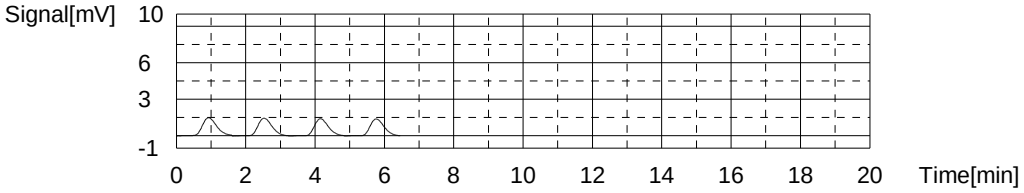
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9666ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.966	0.9827ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:33:12 PM
2	3.965	0.9825ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:35:01 PM
3	3.823	0.9516ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:36:50 PM
4	3.813	0.9494ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:38:39 PM

Mean Area 3.892
Mean Conc. 0.9666ppm



Sample

Sample Name: 280-30777-c-11
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

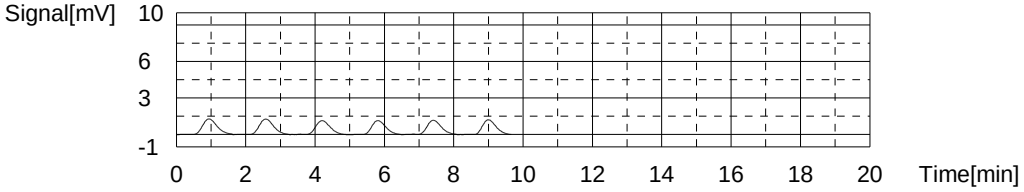
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8125ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.507	0.8830ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:48:46 PM
2	3.508	0.8832ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:50:36 PM
3	3.195	0.8152ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:52:26 PM
4	3.146	0.8046ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:54:13 PM
5	3.184	0.8128ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:56:02 PM
6	3.205	0.8174ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:57:49 PM

Mean Area 3.183
Mean Conc. 0.8125ppm



Sample

Sample Name: 280-30547-b-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

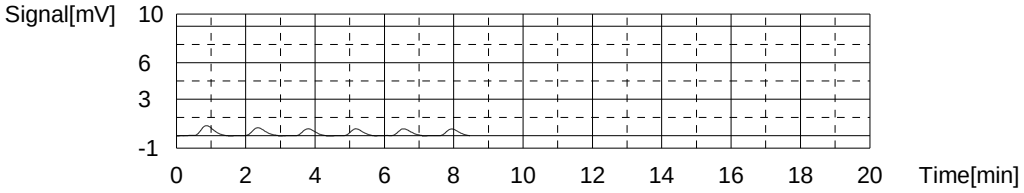
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4077ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.986	0.5526ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:07:42 AM
2	1.594	0.4675ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:09:22 AM
3	1.353	0.4152ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:10:57 AM
4	1.339	0.4121ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:12:32 AM
5	1.310	0.4058ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:14:07 AM
6	1.272	0.3976ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:15:42 AM

Mean Area 1.319
Mean Conc. 0.4077ppm



Sample

Sample Name: MS 280-30547-b-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

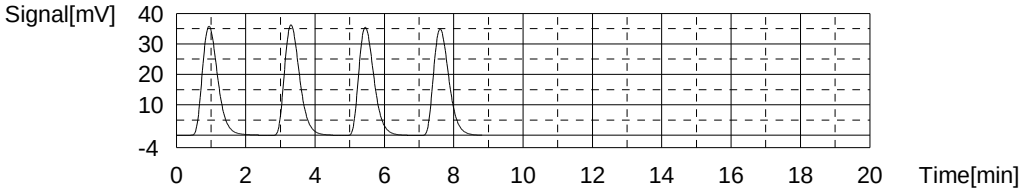
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.16ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.7	24.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:26:28 AM
2	111.8	24.40ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:28:49 AM
3	109.9	23.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:31:10 AM
4	109.3	23.86ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:33:31 AM

Mean Area 110.7
Mean Conc. 24.16ppm



Sample

Sample Name: MSD 280-30547-b-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

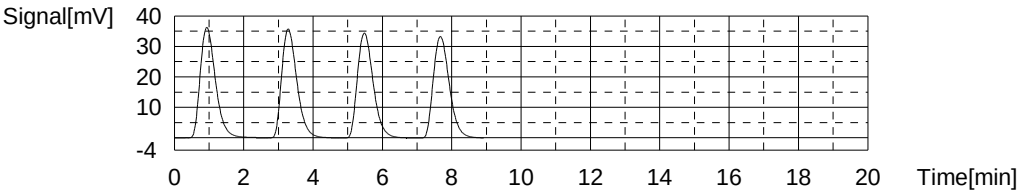
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.96ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.6	24.36ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:44:22 AM
2	109.7	23.95ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:46:44 AM
3	109.9	23.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:49:07 AM
4	107.9	23.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:51:32 AM

Mean Area 109.8
Mean Conc. 23.96ppm



Sample

Sample Name: 280-30547-b-9
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

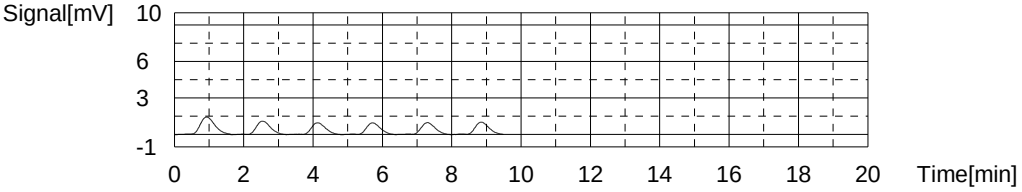
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6938ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.924	0.9736ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:01:39 AM
2	2.986	0.7698ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:03:26 AM
3	2.653	0.6975ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:05:13 AM
4	2.621	0.6906ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:07:00 AM
5	2.613	0.6888ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:08:46 AM
6	2.657	0.6984ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:10:32 AM

Mean Area 2.636
Mean Conc. 0.6938ppm



Sample

Sample Name: 280-30547-b-10
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

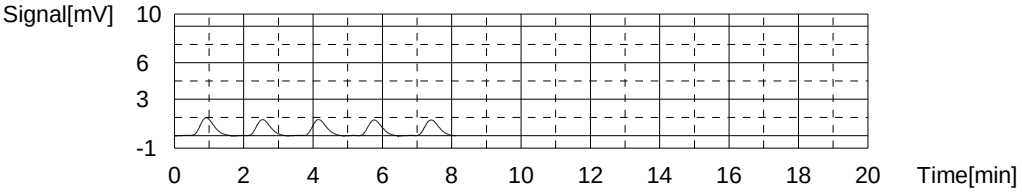
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9008ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.911	0.9707ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:20:33 AM
2	3.619	0.9073ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:22:22 AM
3	3.582	0.8993ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:24:10 AM
4	3.585	0.8999ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:26:00 AM
5	3.570	0.8967ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:27:50 AM

Mean Area 3.589
Mean Conc. 0.9008ppm



Sample

Sample Name: 280-30547-b-11
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

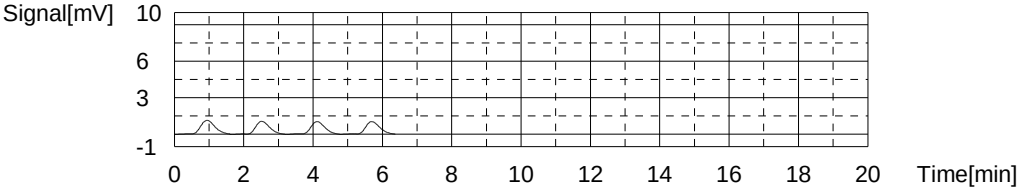
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7407ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.989	0.7705ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:37:55 AM
2	2.808	0.7312ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:39:42 AM
3	2.787	0.7266ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:41:29 AM
4	2.824	0.7346ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:43:17 AM

Mean Area 2.852
Mean Conc. 0.7407ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

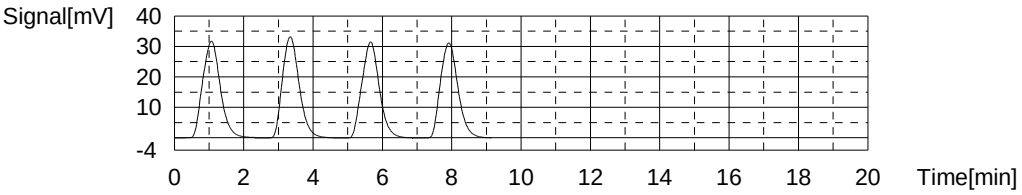
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.37ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.6	24.58ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:54:06 AM
2	112.6	24.58ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:56:33 AM
3	110.8	24.19ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:59:03 AM
4	110.5	24.12ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:01:31 AM

Mean Area 111.6
Mean Conc. 24.37ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

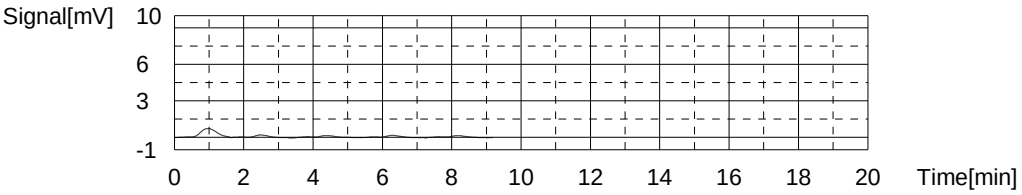
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.044	0.5652ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:11:36 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:13:42 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:15:48 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:17:54 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:20:00 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30547-b-12
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

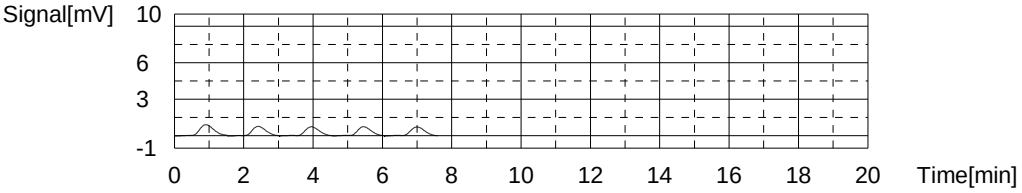
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5409ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.313	0.6237ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:30:00 AM
2	2.017	0.5594ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:31:43 AM
3	1.933	0.5411ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:33:26 AM
4	1.878	0.5292ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:35:09 AM
5	1.900	0.5340ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:36:52 AM

Mean Area 1.932
Mean Conc. 0.5409ppm



Sample

Sample Name: 280-30812-b-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

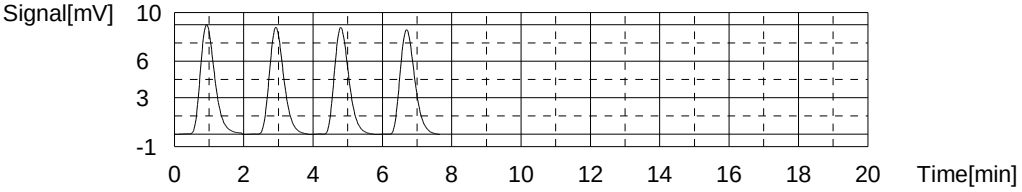
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.682ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	25.81	5.727ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:47:18 AM
2	25.62	5.686ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:49:24 AM
3	25.57	5.675ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:51:30 AM
4	25.42	5.642ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:53:36 AM

Mean Area 25.61
Mean Conc. 5.682ppm



Sample

Sample Name: LCS
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

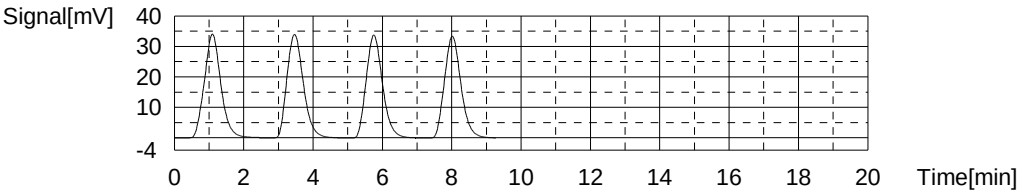
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.55ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.6	24.79ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:04:54 AM
2	112.8	24.62ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:07:21 AM
3	111.8	24.40ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:09:48 AM
4	111.7	24.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:12:19 AM

Mean Area 112.5
Mean Conc. 24.55ppm



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

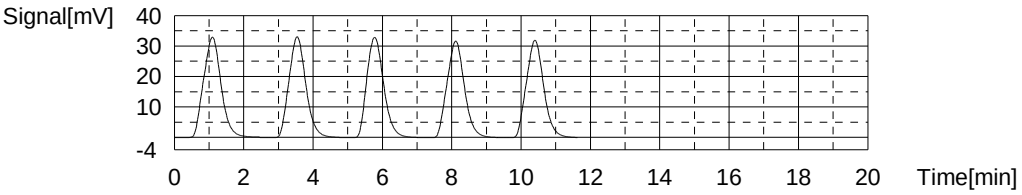
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.48ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	116.6	25.45ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:23:18 AM
2	113.2	24.71ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:25:47 AM
3	112.3	24.51ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:28:15 AM
4	111.2	24.27ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:30:44 AM
5	112.0	24.45ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:33:15 AM

Mean Area 112.2
Mean Conc. 24.48ppm



Sample

Sample Name: MB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

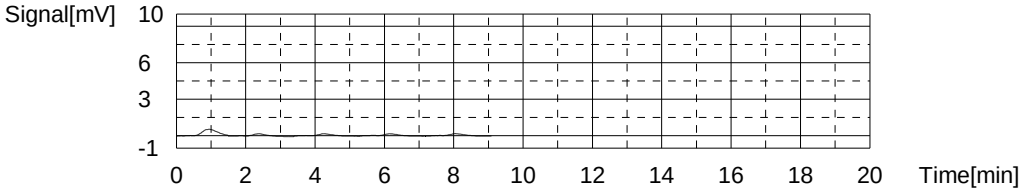
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.405	0.4265ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:43:14 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:45:20 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:47:26 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:49:32 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:51:38 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30334-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

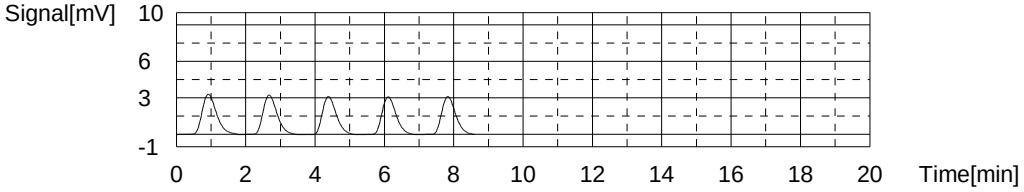
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.030ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.234	2.127ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:01:53 AM
2	9.022	2.081ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:03:48 AM
3	8.701	2.011ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:05:43 AM
4	8.705	2.012ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:07:38 AM
5	8.730	2.017ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:09:32 AM

Mean Area 8.790
Mean Conc. 2.030ppm



Sample

Sample Name: MS 280-30334-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

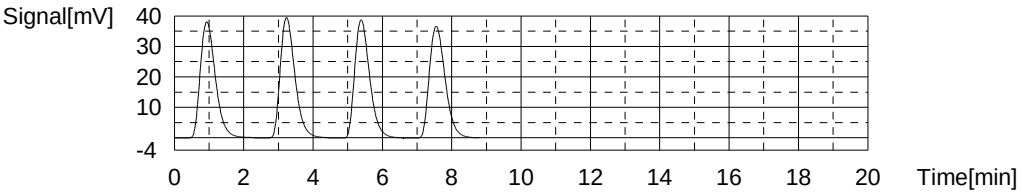
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.54ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	116.6	25.45ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:20:21 AM
2	117.2	25.58ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:22:41 AM
3	117.0	25.53ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:25:02 AM
4	117.3	25.60ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:27:25 AM

Mean Area 117.0
Mean Conc. 25.54ppm



Sample

Sample Name: MSD 280-30334-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

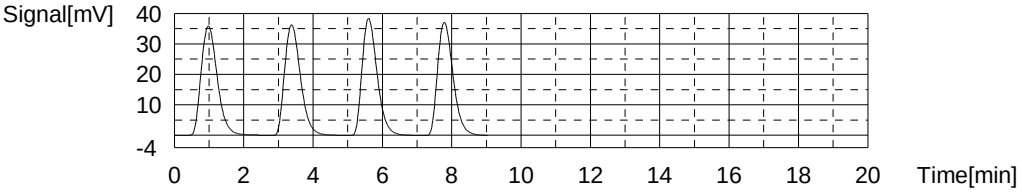
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.55ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	117.1	25.55ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:38:21 AM
2	116.9	25.51ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:40:48 AM
3	117.5	25.64ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:43:10 AM
4	116.9	25.51ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:45:34 AM

Mean Area 117.1
Mean Conc. 25.55ppm



Sample

Sample Name: 280-30334-d-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

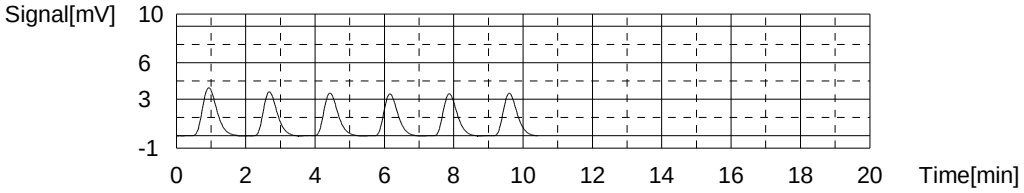
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.220ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.24	2.563ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:55:51 AM
2	10.00	2.293ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:57:48 AM
3	9.777	2.245ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:59:44 AM
4	9.497	2.184ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:01:38 AM
5	9.687	2.225ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:03:34 AM
6	9.699	2.228ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:05:30 AM

Mean Area 9.665
Mean Conc. 2.220ppm



Sample

Sample Name: 280-30334-d-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

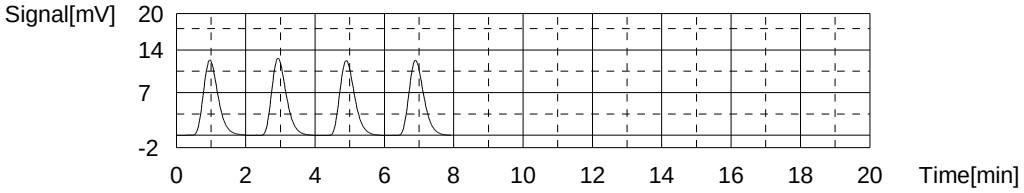
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.118ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.33	8.012ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:15:54 AM
2	37.30	8.223ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:18:04 AM
3	36.78	8.110ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:20:15 AM
4	36.87	8.129ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:22:26 AM

Mean Area 36.82
Mean Conc. 8.118ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

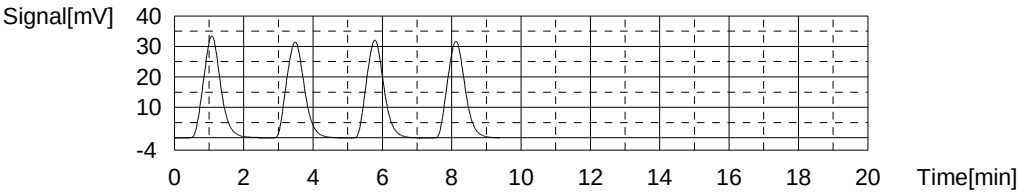
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.79ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	115.6	25.23ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:33:22 AM
2	113.4	24.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:35:52 AM
3	112.9	24.64ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:38:24 AM
4	112.5	24.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:40:55 AM

Mean Area 113.6
Mean Conc. 24.79ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

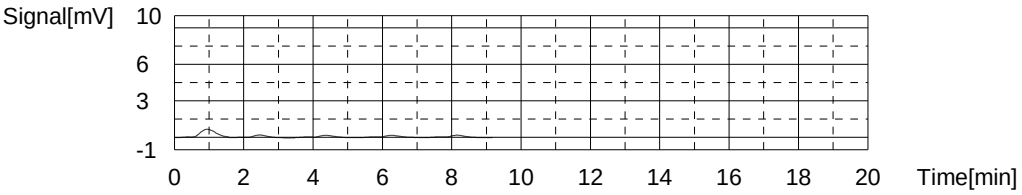
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.867	0.5268ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:51:00 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:53:06 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:55:12 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:57:18 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:59:24 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30334-d-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

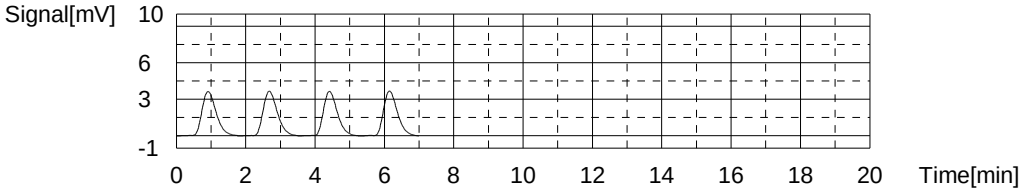
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.332ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.09	2.313ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:09:39 AM
2	10.32	2.363ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:11:36 AM
3	10.08	2.311ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:13:32 AM
4	10.23	2.343ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:15:29 AM

Mean Area 10.18
Mean Conc. 2.332ppm



Sample

Sample Name: 280-31052-a-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

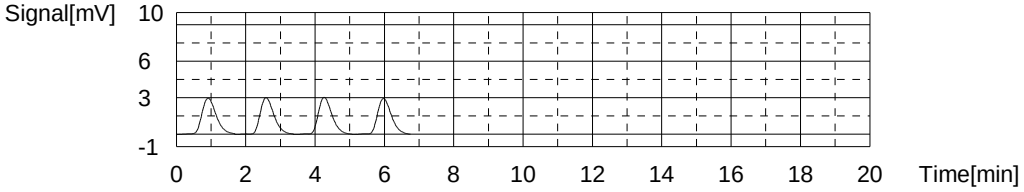
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.884ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.124	1.886ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:25:41 AM
2	8.165	1.895ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:27:34 AM
3	8.146	1.891ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:29:28 AM
4	8.026	1.864ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:31:21 AM

Mean Area 8.115
Mean Conc. 1.884ppm



Sample

Sample Name: 280-30335-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

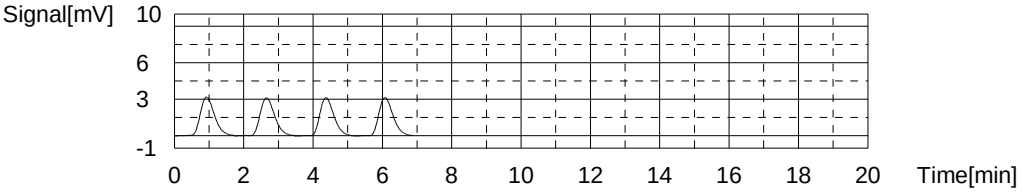
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.043ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.815	2.036ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:41:35 AM
2	8.910	2.056ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:43:31 AM
3	8.784	2.029ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:45:25 AM
4	8.875	2.049ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:47:21 AM

Mean Area 8.846
Mean Conc. 2.043ppm



Sample

Sample Name: 280-30335-d-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

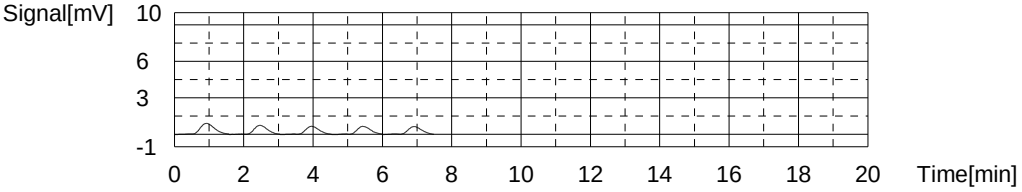
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4841ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.364	0.6347ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:57:26 AM
2	1.812	0.5148ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:59:07 AM
3	1.641	0.4777ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:00:48 AM
4	1.606	0.4701ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:02:28 AM
5	1.623	0.4738ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:04:09 AM

Mean Area 1.671
Mean Conc. 0.4841ppm



Sample

Sample Name: 280-30335-d-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

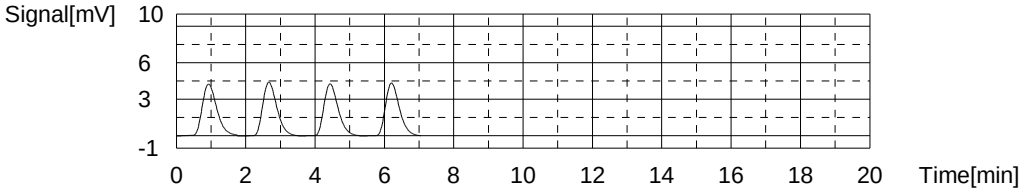
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.770ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.08	2.745ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:14:24 AM
2	12.50	2.836ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:16:22 AM
3	12.12	2.754ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:18:20 AM
4	12.09	2.747ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:20:18 AM

Mean Area 12.20
Mean Conc. 2.770ppm



Sample

Sample Name: 280-30335-d-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

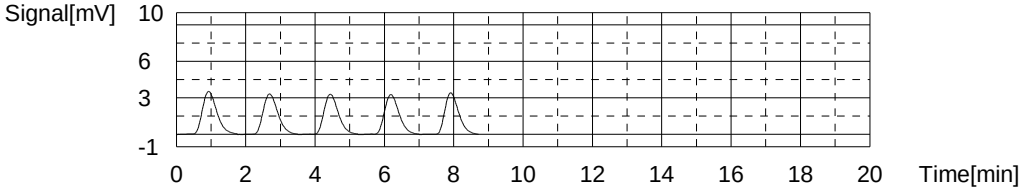
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.180ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.957	2.284ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:30:34 AM
2	9.665	2.220ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:32:31 AM
3	9.392	2.161ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:34:27 AM
4	9.410	2.165ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:36:25 AM
5	9.440	2.172ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:38:24 AM

Mean Area 9.477
Mean Conc. 2.180ppm



Sample

Sample Name: 280-30335-d-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

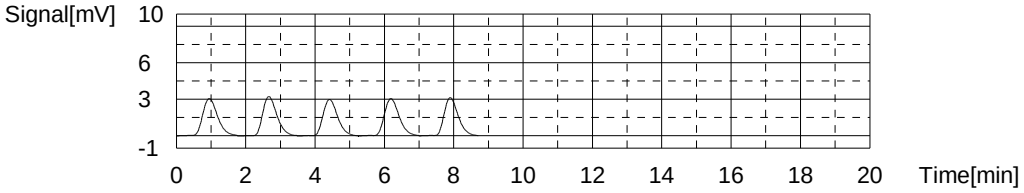
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.021ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.768	2.026ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:48:39 AM
2	9.032	2.083ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:50:34 AM
3	8.612	1.992ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:52:32 AM
4	8.888	2.052ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:54:29 AM
5	8.726	2.017ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:56:24 AM

Mean Area 8.748
Mean Conc. 2.021ppm



Sample

Sample Name: 280-30335-d-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

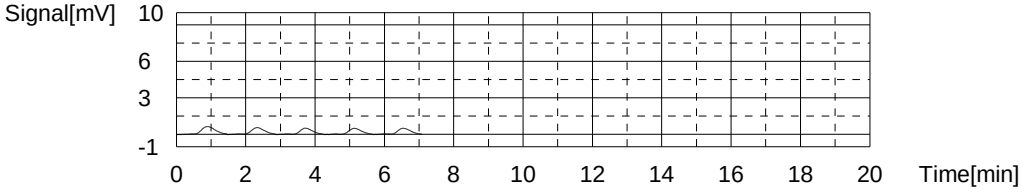
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3737ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.510	0.4493ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:06:22 AM
2	1.260	0.3950ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:07:58 AM
3	1.153	0.3717ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:09:34 AM
4	1.125	0.3656ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:11:12 AM
5	1.111	0.3626ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:12:50 AM

Mean Area 1.162
Mean Conc. 0.3737ppm



Sample

Sample Name: 280-30425-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

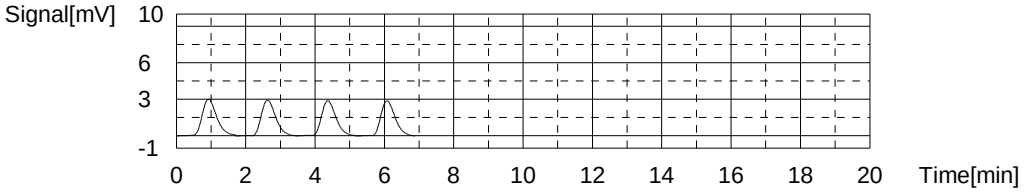
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.905ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.293	1.922ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:23:02 AM
2	8.362	1.937ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:24:58 AM
3	8.051	1.870ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:26:53 AM
4	8.150	1.891ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:28:49 AM

Mean Area 8.214
Mean Conc. 1.905ppm



Sample

Sample Name: 280-30425-d-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

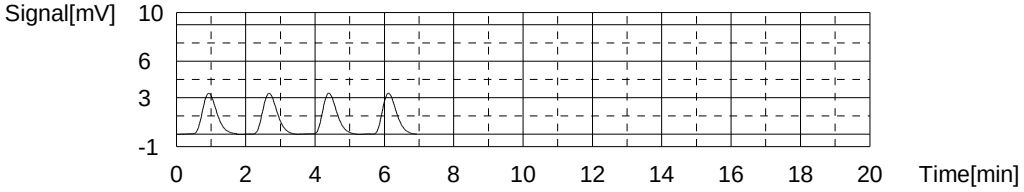
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.184ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.395	2.162ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:39:04 AM
2	9.695	2.227ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:41:01 AM
3	9.421	2.167ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:42:56 AM
4	9.480	2.180ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:44:52 AM

Mean Area 9.498
Mean Conc. 2.184ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

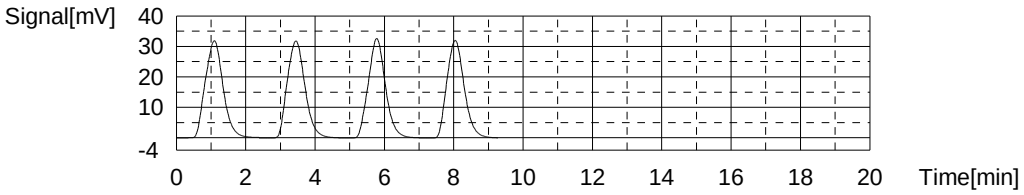
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.76ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	114.6	25.01ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:55:46 AM
2	113.6	24.79ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:58:15 AM
3	113.4	24.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:00:46 AM
4	112.2	24.49ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:03:15 AM

Mean Area 113.5
Mean Conc. 24.76ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

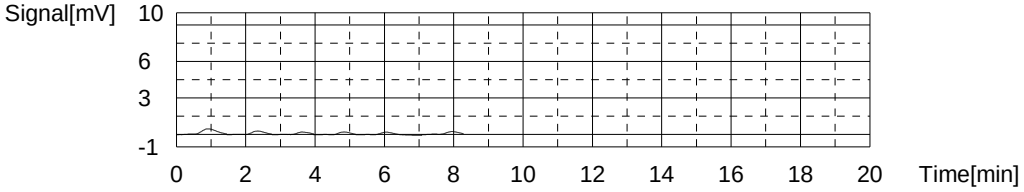
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2092ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.116	0.3637ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:13:14 AM
2	0.5856	0.2485ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:14:44 AM
3	0.2859	0.1834ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:16:08 AM
4	0.3746	0.2027ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:17:33 AM
5	0.000	0.1213ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:19:39 AM
6	0.3720	0.2021ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:21:04 AM

Mean Area 0.4045
Mean Conc. 0.2092ppm



Sample

Sample Name: 280-30425-d-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

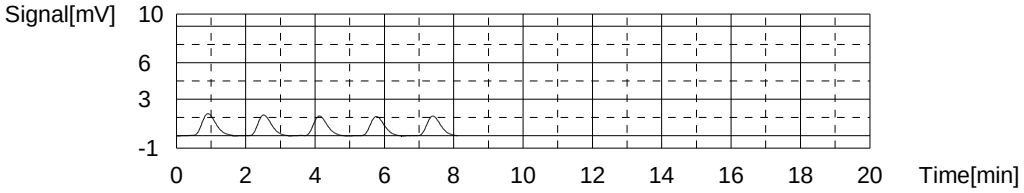
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.090ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.846	1.174ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:31:06 AM
2	4.580	1.116ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:32:54 AM
3	4.430	1.083ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:34:44 AM
4	4.440	1.086ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:36:34 AM
5	4.393	1.075ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:38:24 AM

Mean Area 4.461
Mean Conc. 1.090ppm



Sample

Sample Name: 280-30425-I-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

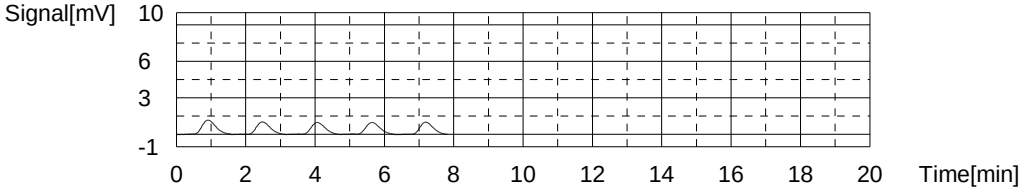
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6940ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.011	0.7753ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:48:28 AM
2	2.685	0.7045ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:50:14 AM
3	2.667	0.7005ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:52:01 AM
4	2.620	0.6903ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:53:47 AM
5	2.576	0.6808ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:55:31 AM

Mean Area 2.637
Mean Conc. 0.6940ppm



Sample

Sample Name: MS 280-30425-I-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

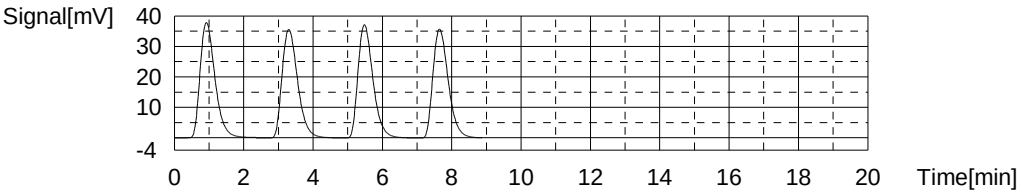
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.53ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.8	24.84ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:06:23 AM
2	112.1	24.47ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:08:47 AM
3	112.5	24.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:11:08 AM
4	111.1	24.25ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:13:33 AM

Mean Area 112.4
Mean Conc. 24.53ppm



Sample

Sample Name: MSD 280-30425-I-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

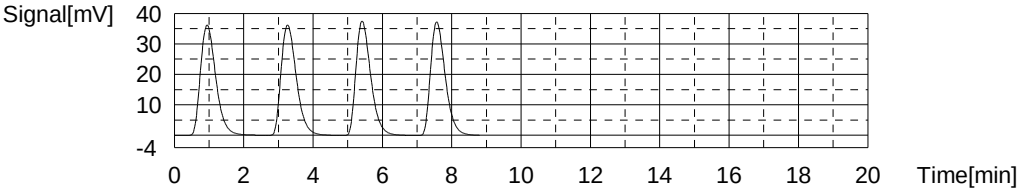
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.46ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.5	24.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:24:25 AM
2	112.1	24.47ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:26:47 AM
3	112.5	24.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:29:08 AM
4	111.1	24.25ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:31:29 AM

Mean Area 112.1
Mean Conc. 24.46ppm



Sample

Sample Name: 280-30425-d-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

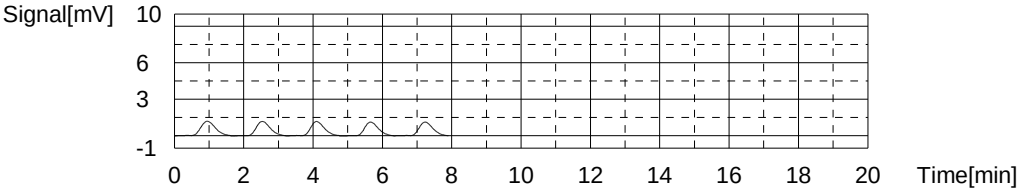
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7843ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.303	0.8387ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:41:38 AM
2	3.184	0.8128ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:43:25 AM
3	3.033	0.7800ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:45:10 AM
4	2.995	0.7718ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:46:56 AM
5	2.998	0.7724ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:48:43 AM

Mean Area 3.053
Mean Conc. 0.7843ppm



Sample

Sample Name: 280-30425-d-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

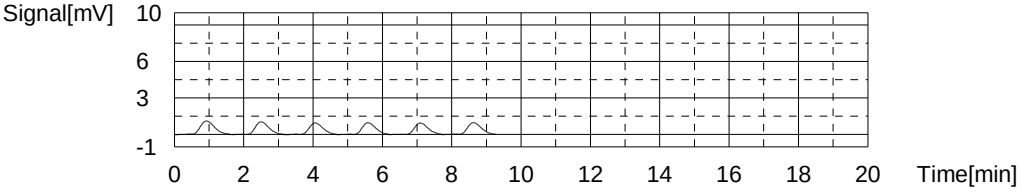
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6626ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.958	0.7638ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:58:50 AM
2	2.715	0.7110ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:00:35 AM
3	2.473	0.6584ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:02:19 AM
4	2.518	0.6682ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:04:01 AM
5	2.455	0.6545ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:05:45 AM
6	2.523	0.6693ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:07:31 AM

Mean Area 2.492
Mean Conc. 0.6626ppm



Sample

Sample Name: 280-30425-d-7
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

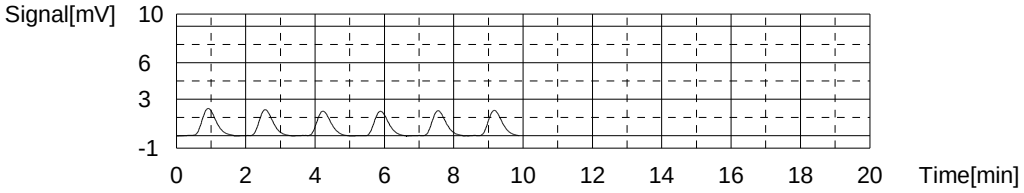
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.358ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.036	1.432ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:17:36 AM
2	5.787	1.378ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:19:28 AM
3	5.571	1.331ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:21:19 AM
4	5.703	1.360ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:23:11 AM
5	5.528	1.322ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:25:00 AM
6	5.723	1.364ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:26:50 AM

Mean Area 5.696
Mean Conc. 1.358ppm



Sample

Sample Name: 280-30425-d-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

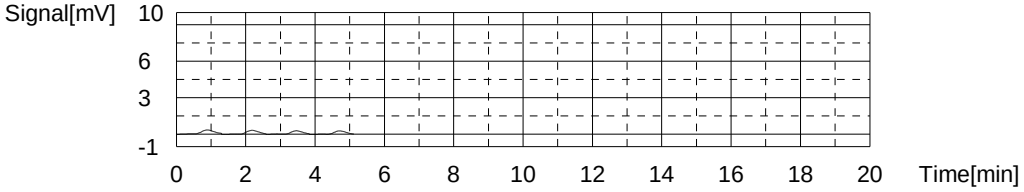
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2465ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6279	0.2577ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:36:34 AM
2	0.6425	0.2608ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:38:03 AM
3	0.5043	0.2308ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:39:30 AM
4	0.5317	0.2368ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:40:59 AM

Mean Area 0.5766
Mean Conc. 0.2465ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

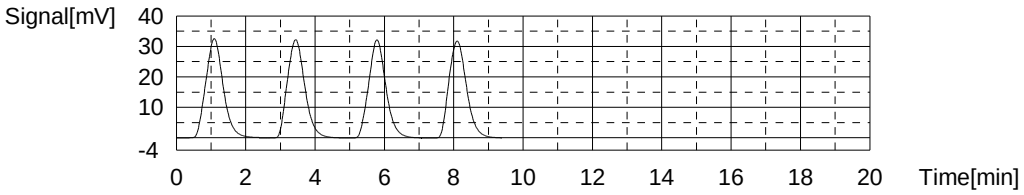
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.72ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	114.3	24.95ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:51:57 AM
2	113.6	24.79ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:54:27 AM
3	112.1	24.47ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:57:01 AM
4	113.1	24.69ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:59:33 AM

Mean Area 113.3
Mean Conc. 24.72ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

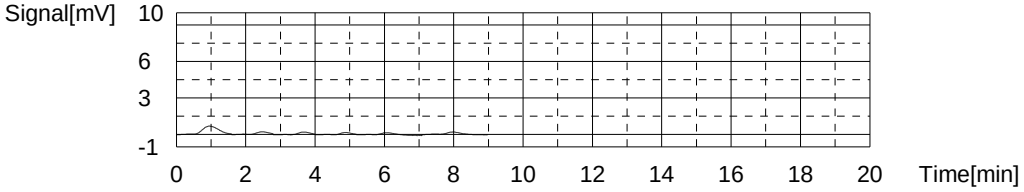
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1714ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.893	0.5324ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:09:40 PM
2	0.2890	0.1841ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:11:04 PM
3	0.3574	0.1989ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:12:29 PM
4	0.2757	0.1812ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:13:52 PM
5	0.000	0.1213ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:15:58 PM
6	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:18:04 PM

Mean Area 0.2305
Mean Conc. 0.1714ppm



TOC-V Cal Curve Information
1-50 PPM TOC.2012_07_12_09_13_34.cal

Date of Creation	11:15:53 AM 10/28/2005
User	DEANN
System	TOC-VCSH

Cal. Curve

Sample Name:	cal
Sample ID:	CAL
Cal. Curve:	1-50 PPM TOC.2012_07_12_09_13_34.cal
Status	Completed
Comment:	

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.000	50uL	1	*******		07/12/2012 09:21:59 A
2	0.000	50uL	1	*******		07/12/2012 09:24:05 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	0.000
SD Area	0.000
CV Area	0.00%
Vial	88

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.830	50uL	1	*******		07/12/2012 09:34:28 A
2	4.828	50uL	1	*******		07/12/2012 09:36:29 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	4.829
SD Area	0.00141
CV Area	0.03%
Vial	89

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	22.31	50uL	1	*******		07/12/2012 09:47:06 A
2	22.13	50uL	1	*******		07/12/2012 09:49:19 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	22.22
SD Area	0.1273
CV Area	0.57%
Vial	90

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	44.87	50uL	1	*******		07/12/2012 10:00:03 A
2	44.70	50uL	1	*******		07/12/2012 10:02:24 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	44.79
SD Area	0.1202
CV Area	0.27%
Vial	91

Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	113.2	50uL	1	*******		07/12/2012 10:13:22 A
2	113.7	50uL	1	*******		07/12/2012 10:15:53 A

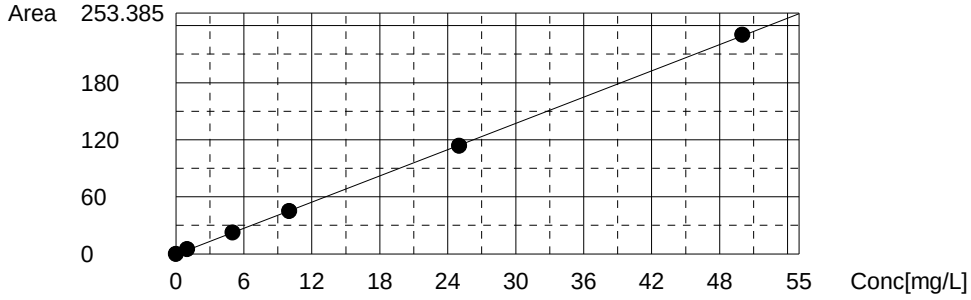
Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	113.5
SD Area	0.3536
CV Area	0.31%
Vial	92

Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	230.7	50uL	1	*******		07/12/2012 10:27:09 A
2	230.0	50uL	1	*******		07/12/2012 10:29:49 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	230.4
SD Area	0.4950
CV Area	0.21%
Vial	93

Slope:	4.604
Intercept	-0.5585
r^2	0.9999
r	1.0000
Zero Shift	No



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver Wet Chemistry Data Review Checklist
For Titration Methods

ANALYTE: Alk ANALYST: AA ANALYSIS DATE: 7/2/12 SOP: WC-25

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30453 30460	W	N/A	126467	2320B	
30447 30561					
30550					
30458					
30481					
30455					
30425					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the normality of the titrant verified and found acceptable?			✓	✓
B. Sample Results				
1. Are all sample dilutions appropriate and do associated RLs/MDLs reflect required dilutions or limited sample volume?	✓			—
2. All reported results bracketed by in control CCV/CCB?	✓			—
3. Sample analyses done within holding time?	✓			—
4. Initial pH check documented for all samples (if required)?	✓			—
5. Preparation benchsheet completed and included in package (if applicable)?			✓	—
6. Special client requirements checked?	✓			—
7. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures? (If Applicable)	✓			—
8. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
9. STD/True Value information is updated and included?	✓			—
10. Raw data copies prepared, scanned, and uploaded?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?			✓	—
5. DUP run at required frequency and RPD within 20% or NCM written?	✓			—

Analyst: [signature] **Date:** 7/3/12

Comments:

2nd Level Reviewer : [signature] **Date:** 7/3/12

Comments:

TestAmerica Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Data Review Checklist For Gravimetric Methods

Test Name/Method #: TDS **Analysis Date:** 7/2/12

SOP #: DV-WC 0064 **Analyst:** BT **Instrument:** BA 1

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30460, 30458, 30425, 30583, 30561, 30550	Wath	—	126303	—	—
					7/3/12 BT

A. Balance, Oven, and DI Water QC Checks	Yes	No	N/A	2nd Level
1. Was the balance calibration verified before and after processing samples and noted in the "Balance Calibration Log" for the date(s) the samples were processed?	—			—
2. Was the oven temperature within method requirements and recorded in the "Oven Temperature" logbook for the date(s) the samples were processed?	—			—
3. Was the daily conductivity check of the deionized water recorded in the "Conductivity Logbook"?		X		—
B. Method Requirements				
1. If sample is visibly oily, was this noted on the benchsheet?		X		—
2. Was final residue weight within minimum/maximum requirements?	—			—
3. Were the initial and final drying dates and times recorded on the benchsheet and were all samples dried for at least one hour?	—			—
C. Sample Results				
1. TDS/Conductivity ratio or historical data checked?		X		—
2. For % Moisture, was the Final Dried Weight < the Initial Pan Weight or is the result greater than 100%?			X	—
3. Were sample analyses done within holding time?	—			—
4. Were special client requirements met?	—			—
5. Were data that were manually transcribed from instrument printouts into TALS verified 100% including significant figures and units?	—			—
6. Do the prep and analysis dates in TALS reflect the actual dates? Lots/Dates report checked?	—			—
7. STD/True Value information is updated and included?	—			—
8. Are raw data copies prepared, scanned, and uploaded?	—			—
D. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10 X RL?	—			—
2. Method blank < ½ RL or NCM provided?	—			—
3. LCS/LCSD run for batch and within QC limits?	—			—
4. DUP run for batch and RPD < 20% for samples >5 X RL?	—			—

Analyst: BT **Date:** 7/5/12

Comments: _____

2nd Level Reviewer : MG **Date:** 7/6/12

Comments: _____

7/5/12

TestAmerica Denver

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THE LEADER IN ENVIRONMENTAL TESTING

BOD Data Review Checklist

Methods: EPA 405.1, Standard Methods 5210 B

SOP # DV-WC-0019

Run Date: 6/27/12 Analyst: DH Instrument: BOD

Log-in / Sample Numbers	Batch	Method	Special Inst
280 30422/1	125739	5210B	NA
280 30423/1			
280 30425/1-8			
280 30429/1			
280 30457/8-13			
280 30456/1-6			
280 30455/1-7			G4

A. Materials and Instrument Checks	Yes	No	N/A	2nd Level
1. Seed water stirred/aerated for at least one hour?	/			
2. Incubator temperature in control (20 ± 1°C) for 5-day incubation?	/			
3. Probe checks done at prescribed intervals as shown on the benchsheet?	/	NCM		—
4. If CBOD in batch, is there is a Blank, Duplicate for CBOD in the batch?	/			—
B. Method Required QC				
1. Initial D.O. readings for samples, blanks and GGA standard between 7.0 and 9.0 mg/L?	/			—
2. Seed control depletion is at least 2.0 mg/L (40 – 70%)?	/			—
3. Seed correction value between 0.6 and 1.0 mg/L?	/			—
4. Glucose/Glutamic acid (LCS) within control limits?	/			—
C. Sample Results				
1. 48 hour holding time met for all samples?	/			—
2. Was sample pH between 6.5 and 7.5 (adjustment made if necessary)?	/			—
3. Were samples checked for residual chlorine (removed if necessary)?	/			—
4. Are all sample dilutions with depletion <2.0 mg/L, or final D.O. <1.0 mg/L rejected?	/			—
5. Do reporting limits reflect dilutions and/or limited sample volume?	/			—
6. Were there any signs of toxicity in the samples?		/		—
7. Were there any air bubbles in the BOD bottles?		/		
8. Were special client requirements met?	/			—
9. STD/True Value information is updated and included?	/			—

Analyst: _____ Date: 7/12/12

2nd Level Reviewer : _____ Date: 7/12/12

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 127015 Batch Start Date: 07/09/12 11:15 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00156	NXN ICV INT 00149	AnalysisComment
ICVL 280-127015/15		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank		2 mL	
ICV 280-127015/16		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank		5 mL	
ICB 280-127015/17		350.1				Not Calculated. Perform Calculation left blank			
MRL 280-127015/18		350.1				Not Calculated. Perform Calculation left blank			
MB 280-127015/20		350.1				Not Calculated. Perform Calculation left blank			
CCV 280-127015/32		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	5 mL		
CCVL 280-127015/33		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	1 mL		
CCB 280-127015/34		350.1				Not Calculated. Perform Calculation left blank			
CCVL 280-127015/65		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	1 mL		
CCB 280-127015/66		350.1				Not Calculated. Perform Calculation left blank			
LCS 280-127015/70		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	5 mL		

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 127015 Batch Start Date: 07/09/12 11:15 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00156	NXN ICV INT 00149	AnalysisComment
LCSD 280-127015/71		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	5 mL		
CCV 280-127015/80		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	5 mL		
CCVL 280-127015/81		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	1 mL		
CCB 280-127015/82		350.1				Not Calculated. Perform Calculation left blank			
CCV 280-127015/96		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	5 mL		
CCVL 280-127015/97		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	1 mL		
CCB 280-127015/98		350.1				Not Calculated. Perform Calculation left blank			
280-30425-D-1	LF1P0525UA	350.1	T			Not Calculated. Perform Calculation left blank			ph<2
280-30425-D-2	LF1M0526UA	350.1	T			Not Calculated. Perform Calculation left blank			ph<2
280-30425-D-3	LF1M0620UA	350.1	T			Not Calculated. Perform Calculation left blank			ph<2
MB 280-127015/109		350.1				Not Calculated. Perform Calculation left blank			

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 127015 Batch Start Date: 07/09/12 11:15 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00156	NXN ICV INT 00149	AnalysisComment
CCV 280-127015/112		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	5 mL		
CCVL 280-127015/113		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	1 mL		
CCB 280-127015/114		350.1				Not Calculated. Perform Calculation left blank			
LCS 280-127015/117		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	5 mL		
LCSD 280-127015/118		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	5 mL		
280-30425-L-4	LF1M1030UA	350.1	T			Not Calculated. Perform Calculation left blank			ph<2
280-30425-L-4 MS	LF1M1030UA	350.1	T	5 mL	5 mL	Not Calculated. Perform Calculation left blank	0.2 mL		ph<2
280-30425-L-4 MSD	LF1M1030UA	350.1	T	5 mL	5 mL	Not Calculated. Perform Calculation left blank	0.2 mL		ph<2
280-30425-D-5	LF1M1030UC	350.1	T			Not Calculated. Perform Calculation left blank			ph<2
280-30425-D-6	LF1M1212UA	350.1	T			Not Calculated. Perform Calculation left blank			ph<2
280-30425-D-7	MWSAR0324UA	350.1	T			Not Calculated. Perform Calculation left blank			ph<2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 127015 Batch Start Date: 07/09/12 11:15 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00156	NXN ICV INT 00149	AnalysisComment
280-30425-D-8	062512UE	350.1	T			Not Calculated. Perform Calculation left blank			ph<2
CCV 280-127015/129		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	5 mL		
CCVL 280-127015/130		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	1 mL		
CCB 280-127015/131		350.1				Not Calculated. Perform Calculation left blank			

Batch Notes	
Buffer Reagent ID Number	NH3 Buffer_00014
Hypochlorite Reagent ID Number	Hypochlorite_00195
Sodium Nitroprusside Reagent ID	Nitroprusside_00024
Pipette ID	5000m, 1000t, 100i
Perform Calculation (0=No, 1=Yes)	1
Sodium Phenolate Reagent ID Number	Phenolate NH3_00042

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 128145 Batch Start Date: 07/17/12 17:53 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	TKN 25ppm 00100		
LCS 280-128145/1		351.2, 351.2			25 mL	25 mL	6 mL		
LCSD 280-128145/2		351.2, 351.2			25 mL	25 mL	6 mL		
MB 280-128145/3		351.2, 351.2			25 mL	25 mL			
280-30425-C-1	LF1P0525UA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30425-C-2	LF1M0526UA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30425-C-3	LF1M0620UA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30425-G-4	LF1M1030UA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30425-G-4 MS	LF1M1030UA	351.2, 351.2	T	< 2	25 mL	25 mL	3 mL		
280-30425-G-4 MSD	LF1M1030UA	351.2, 351.2	T	< 2	25 mL	25 mL	3 mL		
280-30425-C-5	LF1M1030UC	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30425-C-6	LF1M1212UA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30425-C-7	MWSAR0324UA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30425-C-8	062512UE	351.2, 351.2	T	< 2	25 mL	25 mL			

Batch Notes	
Batch Comment	5000X
Block Digestion End time	2130
Block Digestion Start time	1730
Block Digestor Name	TKN A
Digestion Solution Used	TKN Digestion_00009
Oven, Bath or Block Temperature 1	140 Degrees C
Oven, Bath or Block Temperature 2	380 Degrees C

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 128608 Batch Start Date: 07/19/12 22:01 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TKN 25ppm 00101	TKN ICV 00003			
ICV 280-128608/13		351.2		4 mL		2 mL			
ICB 280-128608/14		351.2		4 mL					
CCV 280-128608/51		351.2		25 mL	5 mL				
CCB 280-128608/52		351.2		4 mL					
LCS 280-128145/1-A		351.2		4 mL					
LCSD 280-128145/2-A		351.2		4 mL					
MB 280-128145/3-A		351.2		4 mL					
CCV 280-128608/65		351.2		25 mL	5 mL				
CCB 280-128608/66		351.2		4 mL					
280-30425-C-1-A	LF1P0525UA	351.2	T	4 mL					
280-30425-C-2-A	LF1M0526UA	351.2	T	4 mL					
280-30425-C-3-A	LF1M0620UA	351.2	T	4 mL					
280-30425-G-4-A	LF1M1030UA	351.2	T	4 mL					
280-30425-G-4-B MS	LF1M1030UA	351.2	T	4 mL					
280-30425-G-4-C MSD	LF1M1030UA	351.2	T	4 mL					
280-30425-C-5-A	LF1M1030UC	351.2	T	4 mL					
280-30425-C-6-A	LF1M1212UA	351.2	T	4 mL					
280-30425-C-7-A	MWSAR0324UA	351.2	T	4 mL					
CCV 280-128608/79		351.2		25 mL	5 mL				
CCB 280-128608/80		351.2		4 mL					
280-30425-C-8-A	062512UE	351.2	T	4 mL					
CCV 280-128608/93		351.2		25 mL	5 mL				
CCB 280-128608/94		351.2		4 mL					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 128608 Batch Start Date: 07/19/12 22:01 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date:

Batch Notes	
Batch Comment	5000M/1000N
Buffer Reagent ID Number	TKN Buffer_00010
Hypochlorite Solution Lot Number	TKN Hypochl_00096
Salicylate Nitroprusside Reagent ID	Sodium Nitro_00007
First Ending Temperature	57.0 Celsius
First Starting Temperature	57.0 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 124298 Batch Start Date: 06/16/12 10:55 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	COD cal std 00014			
IC 280-124298/1		410.4		50 mL	50 mL	0.5 mL			
IC 280-124298/2		410.4		50 mL	50 mL	1 mL			
IC 280-124298/3		410.4		50 mL	50 mL	2.5 mL			
IC 280-124298/4		410.4		50 mL	50 mL	5 mL			
IC 280-124298/5		410.4		50 mL	50 mL	7.5 mL			
IC 280-124298/6		410.4		50 mL	50 mL	10 mL			

Batch Notes	
Batch Comment	420nm, WC-5000-N, WC-1000-H
Block Digestion End time	AA: 13:30 BB: 13:55 AA: 15:45
Block Digestion Start time	AA: 11:30 BB:11:55 AA: 13:45
Block Digestor Name	HACH DRB 200
Oven, Bath or Block Temperature 1	AA: 150 BB:150 AA: 150
Oven, Bath or Block Temperature 2	AA: 150 BB: 150
Sufficient volume for MS/MSD?	yes
Vial Lot Number	A2130 05/31/17

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 126482 Batch Start Date: 07/03/12 09:26 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	COD cal std 00014	COD icv std 00009
ICV 280-126482/1		410.4		50 mL	50 mL				5 mL
ICB 280-126482/2		410.4		2 mL	2 mL				
LCS 280-126482/3		410.4		100 mL	100 mL			10 mL	
LCSD 280-126482/4		410.4		100 mL	100 mL			10 mL	
MB 280-126482/5		410.4		2 mL	2 mL				
CCV 280-126482/16		410.4		100 mL	100 mL			10 mL	
CCB 280-126482/17		410.4		2 mL	2 mL				
280-30425-C-1	LF1P0525UA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30425-C-2	LF1M0526UA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30425-C-3	LF1M0620UA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30425-G-4	LF1M1030UA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30425-G-4 MS	LF1M1030UA	410.4	T	100 mL	100 mL	<2 SU	<2 SU		
280-30425-G-4 MSD	LF1M1030UA	410.4	T	100 mL	100 mL	<2 SU	<2 SU		
280-30425-C-5	LF1M1030UC	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30425-C-6	LF1M1212UA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
CCV 280-126482/28		410.4		100 mL	100 mL			10 mL	
CCB 280-126482/29		410.4		2 mL	2 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	cod ms/msd 00006	AnalysisComment				
ICV 280-126482/1		410.4							
ICB 280-126482/2		410.4							
LCS 280-126482/3		410.4							
LCSD 280-126482/4		410.4							
MB 280-126482/5		410.4							
CCV 280-126482/16		410.4							

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 126482 Batch Start Date: 07/03/12 09:26 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	cod ms/msd 00006	AnalysisComment				
CCB 280-126482/17		410.4							
280-30425-C-1	LF1P0525UA	410.4	T		CL <2000				
280-30425-C-2	LF1M0526UA	410.4	T		CL <2000				
280-30425-C-3	LF1M0620UA	410.4	T		CL <2000				
280-30425-G-4	LF1M1030UA	410.4	T		CL <2000				
280-30425-G-4 MS	LF1M1030UA	410.4	T	0.5 mL	CL <2000				
280-30425-G-4 MSD	LF1M1030UA	410.4	T	0.5 mL	CL <2000				
280-30425-C-5	LF1M1030UC	410.4	T		CL <2000				
280-30425-C-6	LF1M1212UA	410.4	T		CL <2000				
CCV 280-126482/28		410.4							
CCB 280-126482/29		410.4							

Batch Notes	
Batch Comment	420nm, WC-5000-X, WC-1000-Q
Block Digestion End time	AA: 13:23 BB: 13:23
Block Digestion Start time	AA: 11:23 BB: 11:23
Block Digestor Name	HACH DRB 200
Oven, Bath or Block Temperature 1	AA: 150 BB: 150
Oven, Bath or Block Temperature 2	AA: 150 BB: 150
Sufficient volume for MS/MSD?	Yes
Vial Lot Number	A2130 exp: 05/31/17

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 126498 Batch Start Date: 07/03/12 10:07 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	COD cal std 00014	COD icv std 00009
ICV 280-126498/1		410.4		50 mL	50 mL				5 mL
ICB 280-126498/2		410.4		2 mL	2 mL				
LCS 280-126498/3		410.4		100 mL	100 mL			10 mL	
LCSD 280-126498/4		410.4		100 mL	100 mL			10 mL	
MB 280-126498/5		410.4		2 mL	2 mL				
280-30425-C-7	MWSAR0324UA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30425-C-8	062512UE	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
CCV 280-126498/16		410.4		100 mL	100 mL			10 mL	
CCB 280-126498/17		410.4		2 mL	2 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
ICV 280-126498/1		410.4							
ICB 280-126498/2		410.4							
LCS 280-126498/3		410.4							
LCSD 280-126498/4		410.4							
MB 280-126498/5		410.4							
280-30425-C-7	MWSAR0324UA	410.4	T	CL <2000					
280-30425-C-8	062512UE	410.4	T	CL <2000					
CCV 280-126498/16		410.4							
CCB 280-126498/17		410.4							

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 126498 Batch Start Date: 07/03/12 10:07 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Batch Notes	
Batch Comment	420nm, WC-5000-X, WC-1000-Q
Block Digestion End time	AA: 15:34
Block Digestion Start time	AA: 13:34
Block Digestor Name	HACH DRB 200
Oven, Bath or Block Temperature 1	AA: 150
Oven, Bath or Block Temperature 2	AA: 150
Sufficient volume for MS/MSD?	yes
Vial Lot Number	A2130 exp: 05/31/17

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 126228 Batch Start Date: 06/27/12 09:00 Batch Analyst: Ayala, Delaina

Batch Method: SM 2120B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TurbidityRemoved				
MB 280-126228/1		SM 2120B		50 mL	N				
280-30425-A-1	LF1P0525UA	SM 2120B	T	50 mL	Y				
280-30425-A-1 DU	LF1P0525UA	SM 2120B	T	50 mL	Y				
280-30425-A-2	LF1M0526UA	SM 2120B	T	50 mL	Y				
280-30425-A-3	LF1M0620UA	SM 2120B	T	50 mL	N				
280-30425-A-4	LF1M1030UA	SM 2120B	T	50 mL	N				
280-30425-A-6	LF1M1212UA	SM 2120B	T	50 mL	N				
280-30425-A-5	LF1M1030UC	SM 2120B	T	50 mL	N				
280-30425-A-7	MWSAR0324UA	SM 2120B	T	50 mL	Y				
280-30425-A-8	062512UE	SM 2120B	T	50 mL	N				

Batch Notes	
Batch Comment	NESSLER TUBES
Color Standards Lot #	1316339

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 128483 Batch Start Date: 07/19/12 12:25 Batch Analyst: Allen, Andrew J

Batch Method: SM 2340C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	BuretStart1	BuretStop1	TitrantVolume1	CalcMsg
MB 280-128483/1		SM 2340C		25 mL	25 mL	0.00 mL	0.00 mL	0 mL	OK
LCS 280-128483/2		SM 2340C		25 mL	25 mL	0.00 mL	10.20 mL	10.2 mL	OK
LCSD 280-128483/3		SM 2340C		25 mL	25 mL	0.00 mL	10.13 mL	10.13 mL	OK
280-30425-M-4	LF1M1030UA	SM 2340C	T	25 mL	25 mL	0.00 mL	5.61 mL	5.61 mL	OK
280-30425-M-4 MS	LF1M1030UA	SM 2340C	T	25 mL	25 mL	0.00 mL	15.31 mL	15.31 mL	OK
280-30425-M-4 MSD	LF1M1030UA	SM 2340C	T	25 mL	25 mL	0.00 mL	15.85 mL	15.85 mL	OK
280-30425-E-1	LF1P0525UA	SM 2340C	T	25 mL	25 mL	0.00 mL	6.75 mL	6.75 mL	OK
280-30425-E-2	LF1M0526UA	SM 2340C	T	25 mL	25 mL	0.00 mL	8.86 mL	8.86 mL	OK
280-30425-E-3	LF1M0620UA	SM 2340C	T	25 mL	25 mL	0.00 mL	7.52 mL	7.52 mL	OK
280-30425-E-5	LF1M1030UC	SM 2340C	T	25 mL	25 mL	0.00 mL	5.37 mL	5.37 mL	OK
280-30425-E-6	LF1M1212UA	SM 2340C	T	25 mL	25 mL	0.00 mL	3.92 mL	3.92 mL	OK
280-30425-E-7	MWSAR0324UA	SM 2340C	T	25 mL	25 mL	0.00 mL	2.06 mL	2.06 mL	OK
280-30425-E-8	062512UE	SM 2340C	T	25 mL	25 mL	0.00 mL	0.00 mL	0 mL	OK

Lab Sample ID	Client Sample ID	Method Chain	Basis	Hard lcs std 00022					
MB 280-128483/1		SM 2340C							
LCS 280-128483/2		SM 2340C		10 mL					
LCSD 280-128483/3		SM 2340C		10 mL					
280-30425-M-4	LF1M1030UA	SM 2340C	T						
280-30425-M-4 MS	LF1M1030UA	SM 2340C	T	10 mL					
280-30425-M-4 MSD	LF1M1030UA	SM 2340C	T	10 mL					
280-30425-E-1	LF1P0525UA	SM 2340C	T						
280-30425-E-2	LF1M0526UA	SM 2340C	T						
280-30425-E-3	LF1M0620UA	SM 2340C	T						
280-30425-E-5	LF1M1030UC	SM 2340C	T						
280-30425-E-6	LF1M1212UA	SM 2340C	T						
280-30425-E-7	MWSAR0324UA	SM 2340C	T						
280-30425-E-8	062512UE	SM 2340C	T						

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 128483 Batch Start Date: 07/19/12 12:25 Batch Analyst: Allen, Andrew J

Batch Method: SM 2340C Batch End Date:

Batch Notes	
Buffer Lot #	Hardness Buffer 00012
EDTA Lot Number	EDTA Titrant 00010
Indicator Lot	Calmagite 00001
Nominal Amount Used	25 mL
Pipette ID	5000-L
Perform Calculation (0=No, 1=Yes)	1
Normality of first Titrant	0.01960 N
Titrant Standardization Date	071712

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 125720 Batch Start Date: 06/26/12 08:48 Batch Analyst: Kudla, Ewa

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	IC CAL INT1 00160	IC daily cal 00824	IC ICV daily 00824	ICMS/MSD WEEK 00146
ICV 280-125720/1		9056A			Not Calculated. Perform Calculation left blank			5 mL	
ICB 280-125720/2		9056A			Not Calculated. Perform Calculation left blank				
MRL 280-125720/3		9056A		5 mL	Not Calculated. Perform Calculation left blank	0.02 mL			
LCS 280-125720/4		9056A			Not Calculated. Perform Calculation left blank		5 mL		
LCSD 280-125720/5		9056A			Not Calculated. Perform Calculation left blank		5 mL		
MRL 280-125720/6		9056A		5 mL	Not Calculated. Perform Calculation not set to Run.	0.05 mL			
MB 280-125720/7		9056A			Not Calculated. Perform Calculation left blank				
280-30425-B-1	LF1P0525UA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30425-B-2	LF1M0526UA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30425-B-3	LF1M0620UA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30425-E-4	LF1M1030UA	9056A	T		Not Calculated. Perform Calculation not set to Run.				

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 125720 Batch Start Date: 06/26/12 08:48 Batch Analyst: Kudla, Ewa

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	IC CAL INT1 00160	IC daily cal 00824	IC ICV daily 00824	ICMS/MSD WEEK 00146
280-30425-E-4 DU	LF1M1030UA	9056A	T		Not Calculated. Perform Calculation not set to Run.				
280-30425-E-4 MS	LF1M1030UA	9056A	T	5 mL	Not Calculated. Perform Calculation not set to Run.				50 uL
280-30425-E-4 MSD	LF1M1030UA	9056A	T	5 mL	Not Calculated. Perform Calculation not set to Run.				50 uL
280-30425-B-5	LF1M1030UC	9056A	T		Not Calculated. Perform Calculation left blank				
CCV 280-125720/18		9056A			Not Calculated. Perform Calculation left blank		5 mL		
CCB 280-125720/19		9056A			Not Calculated. Perform Calculation left blank				
280-30425-B-6	LF1M1212UA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30425-B-7	MWSAR0324UA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30425-B-8	062512UE	9056A	T		Not Calculated. Perform Calculation left blank				
CCV 280-125720/30		9056A			Not Calculated. Perform Calculation left blank		5 mL		
CCB 280-125720/31		9056A			Not Calculated. Perform Calculation left blank				

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 125720 Batch Start Date: 06/26/12 08:48 Batch Analyst: Kudla, Ewa

Batch Method: 9056A Batch End Date:

Batch Notes	
Batch Comment	wc5000-ic, wc1000-u, wc100-c
Eluent 1 Lot	110820811019
Filter Lot #	koja5815-2111

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 125721 Batch Start Date: 06/26/12 08:48 Batch Analyst: Kudla, Ewa

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	IC CAL INT1 00160	IC daily cal 00824	IC ICV daily 00824	ICMS/MSD WEEK 00146	
ICV 280-125721/1		9056A					5 mL		
MRL 280-125721/3		9056A		5 mL	0.02 mL				
LCS 280-125721/4		9056A				5 mL			
LCSD 280-125721/5		9056A				5 mL			
280-30425-E-4 MS	LF1M1030UA	9056A	T	5 mL				50 uL	
280-30425-E-4 MSD	LF1M1030UA	9056A	T	5 mL				50 uL	
CCV 280-125721/18		9056A				5 mL			
CCV 280-125721/30		9056A				5 mL			

Batch Notes	
Eluent 1 Lot	110820811019
Filter Lot #	koja5815-2111
Pipette ID	wc5000-ic, wc1000-u, wc100-c

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 128057 Batch Start Date: 07/16/12 17:54 Batch Analyst: Bandy, Darlene F

Batch Method: 9060A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TOC ICV Std 00012	TOC LCS Std 00013	AnalysisComment		
ICV 280-128057/1		9060A		50 mL	1 mL				
CCV 280-128057/28		9060A		200 mL		5 mL			
LCS 280-128057/32		9060A		200 mL		5 mL			
LCSD 280-128057/33		9060A		200 mL		5 mL			
CCV 280-128057/40		9060A		200 mL		5 mL			
280-30425-D-1	LF1P0525UA	9060A	T				pH <2		
280-30425-D-2	LF1M0526UA	9060A	T				pH <2		
CCV 280-128057/52		9060A		200 mL		5 mL			
280-30425-D-3	LF1M0620UA	9060A	T				pH <2		
280-30425-L-4	LF1M1030UA	9060A	T				pH <2		
280-30425-L-4 MS	LF1M1030UA	9060A	T	50 mL		1.25 mL	pH <2		
280-30425-L-4 MSD	LF1M1030UA	9060A	T	50 mL		1.25 mL	pH <2		
280-30425-D-5	LF1M1030UC	9060A	T				pH <2		
280-30425-D-6	LF1M1212UA	9060A	T				pH <2		
280-30425-D-7	MWSAR0324UA	9060A	T				pH <2		
280-30425-D-8	062512UE	9060A	T				pH <2		
CCV 280-128057/62		9060A		200 mL		5 mL			

Batch Notes	
Batch Comment	0.2% H2SO4_00044
Pipette ID	WC-5000-N, WC-1000-H

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 126467 Batch Start Date: 07/02/12 10:16 Batch Analyst: Allen, Andrew J

Batch Method: SM 2320B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	Alk daily lcs 00256				
MB 280-126467/6		SM 2320B		InitialAmount is blank					
CCV 280-126467/17		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-126467/18		SM 2320B		InitialAmount is blank					
CCV2 280-126467/29		SM 2320B		InitialAmount is blank	10 mL				
CCB2 280-126467/30		SM 2320B		InitialAmount is blank					
LCS 280-126467/31		SM 2320B		InitialAmount is blank	10 mL				
LCSD 280-126467/32		SM 2320B		InitialAmount is blank	10 mL				
MB 280-126467/33		SM 2320B		InitialAmount is blank					
280-30425-A-1	LF1P0525UA	SM 2320B	T	InitialAmount is blank					
280-30425-A-1 DU	LF1P0525UA	SM 2320B	T	InitialAmount is blank					
280-30425-A-2	LF1M0526UA	SM 2320B	T	InitialAmount is blank					
280-30425-A-3	LF1M0620UA	SM 2320B	T	InitialAmount is blank					
280-30425-A-4	LF1M1030UA	SM 2320B	T	InitialAmount is blank					
280-30425-A-5	LF1M1030UC	SM 2320B	T	InitialAmount is blank					
280-30425-A-6	LF1M1212UA	SM 2320B	T	InitialAmount is blank					
CCV3 280-126467/41		SM 2320B		InitialAmount is blank	10 mL				
CCB3 280-126467/42		SM 2320B		InitialAmount is blank					
280-30425-A-7	MWSAR0324UA	SM 2320B	T	InitialAmount is blank					
280-30425-A-8	062512UE	SM 2320B	T	InitialAmount is blank					
CCV4 280-126467/53		SM 2320B		InitialAmount is blank	10 mL				
CCB4 280-126467/54		SM 2320B		InitialAmount is blank					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 126467 Batch Start Date: 07/02/12 10:16 Batch Analyst: Allen, Andrew J

Batch Method: SM 2320B Batch End Date:

Batch Notes	
Batch Comment	ICV pH 7.0 Buffer 00044
pH Buffer 1 ID	pH 4.0 Buffer 00072
pH Buffer 2 ID	pH 7.0 Buffer 00082
pH Buffer 3 ID	pH 10.0 Buffer 00060
First End time	1606
Sulfuric Acid Lot Number	0.02 H2SO4 00073
Sulfuric Acid Vendor	Fisher
Nominal Amount Used	10 mL
Pipette ID	5000-L
Probe ID	pH Probe 3
First Start time	1016
Normality of first Titrant	0.02 N

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 126303 Batch Start Date: 07/02/12 09:55 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	InitialAmount	TareWeight	Weight1	Weight2	Weight3
MB 280-126303/1		SM 2540C		0.78 umhos/cm	100 mL	67.9621 g	67.9625 g	67.9625 g	67.9625 g
LCS 280-126303/2		SM 2540C			100 mL	67.9929 g	68.0429 g	68.0424 g	68.0424 g
LCSD 280-126303/3		SM 2540C			100 mL	68.6100 g	68.6589 g	68.6587 g	68.6587 g
280-30425-B-1	LF1P0525UA	SM 2540C	T	610 umhos/cm	100 mL	67.4676 g	67.4997 g	67.4997 g	67.4997 g
280-30425-B-2	LF1M0526UA	SM 2540C	T	770 umhos/cm	100 mL	67.6296 g	67.6709 g	67.6709 g	67.6709 g
280-30425-B-3	LF1M0620UA	SM 2540C	T	705 umhos/cm	100 mL	66.6614 g	66.6995 g	66.6999 g	66.6999 g
280-30425-E-4	LF1M1030UA	SM 2540C	T	420 umhos/cm	100 mL	67.1870 g	67.2108 g	67.2111 g	67.2111 g
280-30425-B-5	LF1M1030UC	SM 2540C	T	435 umhos/cm	100 mL	66.7968 g	66.8212 g	66.8212 g	66.8212 g
280-30425-B-5 DU	LF1M1030UC	SM 2540C	T	435 umhos/cm	100 mL	67.4373 g	67.4616 g	67.4619 g	67.4619 g
280-30425-B-6	LF1M1212UA	SM 2540C	T	326 umhos/cm	100 mL	67.9364 g	67.9543 g	67.9543 g	67.9543 g
280-30425-B-7	MWSAR0324UA	SM 2540C	T	280 umhos/cm	100 mL	68.6476 g	68.6592 g	68.6593 g	68.6593 g
280-30425-B-8	062512UE	SM 2540C	T	2.60 umhos/cm	100 mL	67.8325 g	67.8329 g	67.8325 g	0 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	WeightOne%Diff	WeightTwo%Diff	Residue	Residue2	Residue3	FinalAmount
MB 280-126303/1		SM 2540C		PASS_D No Unit	PASS_B No Unit	0.00040 g	0.00040 g	0.000399999999999 99068 g	100 mL
LCS 280-126303/2		SM 2540C		NOPE_B No Unit	PASS_B No Unit	0.05000 g	0.04950 g	0.049499999999999 948 g	100 mL
LCSD 280-126303/3		SM 2540C		PASS_D No Unit	PASS_B No Unit	0.04890 g	0.04870 g	0.048699999999999 966 g	100 mL
280-30425-B-1	LF1P0525UA	SM 2540C	T	PASS_D No Unit	PASS_B No Unit	0.03210 g	0.03210 g	0.032099999999999 998 g	100 mL
280-30425-B-2	LF1M0526UA	SM 2540C	T	PASS_D No Unit	PASS_B No Unit	0.04130 g	0.04130 g	0.041300000000000 068 g	100 mL
280-30425-B-3	LF1M0620UA	SM 2540C	T	PASS_D No Unit	PASS_B No Unit	0.03810 g	0.03850 g	0.038499999999999 991 g	100 mL
280-30425-E-4	LF1M1030UA	SM 2540C	T	PASS_D No Unit	PASS_B No Unit	0.02380 g	0.02410 g	0.024100000000000 042 g	100 mL
280-30425-B-5	LF1M1030UC	SM 2540C	T	PASS_D No Unit	PASS_B No Unit	0.02440 g	0.02440 g	0.0244 g	100 mL
280-30425-B-5 DU	LF1M1030UC	SM 2540C	T	PASS_D No Unit	PASS_B No Unit	0.02430 g	0.02460 g	0.024600000000000 066 g	100 mL
280-30425-B-6	LF1M1212UA	SM 2540C	T	PASS_D No Unit	PASS_B No Unit	0.01790 g	0.01790 g	0.017899999999999 974 g	100 mL
280-30425-B-7	MWSAR0324UA	SM 2540C	T	PASS_D No Unit	PASS_B No Unit	0.01160 g	0.01170 g	0.011700000000000 047 g	100 mL
280-30425-B-8	062512UE	SM 2540C	T	PASS_D No Unit		0.00040 g	0.00000 g		100 mL

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 126303 Batch Start Date: 07/02/12 09:55 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TDS LCS 00280	AnalysisComment				
MB 280-126303/1		SM 2540C			2nd wght 67.9614				
LCS 280-126303/2		SM 2540C		100 mL	2nd wght 68.0411				
LCSD 280-126303/3		SM 2540C		100 mL	2nd wght 68.6575				
280-30425-B-1	LF1P0525UA	SM 2540C	T		2nd wght 67.4988				
280-30425-B-2	LF1M0526UA	SM 2540C	T		2nd wght 67.6700				
280-30425-B-3	LF1M0620UA	SM 2540C	T		2nd wght 66.6987				
280-30425-E-4	LF1M1030UA	SM 2540C	T		2nd wght 67.2097				
280-30425-B-5	LF1M1030UC	SM 2540C	T		2nd wght 66.8202				
280-30425-B-5 DU	LF1M1030UC	SM 2540C	T		2nd wght 67.4608				
280-30425-B-6	LF1M1212UA	SM 2540C	T		2nd wght 67.9531				
280-30425-B-7	MWSAR0324UA	SM 2540C	T		2nd wght 68.6582				
280-30425-B-8	062512UE	SM 2540C	T						

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 126303 Batch Start Date: 07/02/12 09:55 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Batch Notes	
Balance ID	d91301
Constant Weight (WT2) Date/Time in Oven	7/3/12 13:20
Constant Weight (WT2) Date/Time Out	7/3/12 15:40
Constant Weight (WT2) Temp In	181 Celsius
Constant Weight (WT2) Temp Out	181 Celsius
Constant Weight (WT3) Date/time In	7/5/12 7:20
Constant Weight (WT3) Date/Time Out	7/5/12 8:20
Constant Weight (WT3) Temp In	181 Celsius
Constant Weight (WT3) Temp Out	181 Celsius
Filter Paper Lot Number	millipore lot# r2aa74409
Date samples were placed in the oven	7/2/12 11:45
Oven Temp when samples are put in oven	180 Celsius
Nominal Amount Used	100 mL
Date samples were removed from oven	7/3/12 7:45
Oven Temp when samples removed from oven	181 Celsius
Oven ID	A
Oven Temperature Verification	180 Celsius
ID number of the thermometer	14-983-17c
Uncorrected In Temperature	180 Celsius
Uncorrected Out Temperature	181 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 125739 Batch Start Date: 06/27/12 06:59 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ResidualChloCheck	InitialTemp	Initial_DO	Initial pH	FinTemp	Final_DO
LCS 280-125739/12		SM5210B							
LCSD 280-125739/13		SM5210B							
MB 280-125739/14		SM5210B							
280-30425-A-1	LF1P0525UA	SM5210B	T	NEG	19.60 Celsius	7.57 mg/L	7.14	21.20 Celsius	7.27 mg/L
280-30425-A-2	LF1M0526UA	SM5210B	T	NEG	19.59 Celsius	7.54 mg/L	6.79	21.86 Celsius	7.28 mg/L
280-30425-A-3	LF1M0620UA	SM5210B	T	NEG	19.73 Celsius	7.53 mg/L	7.18	21.64 Celsius	7.23 mg/L
280-30425-A-4	LF1M1030UA	SM5210B	T	NEG	20.17 Celsius	7.46 mg/L	7.39	21.45 Celsius	7.26 mg/L
280-30425-A-5	LF1M1030UC	SM5210B	T	NEG	20.40 Celsius	7.45 mg/L	7.39	21.34 Celsius	7.27 mg/L
280-30425-A-6	LF1M1212UA	SM5210B	T	NEG	20.46 Celsius	7.43 mg/L	7.25	21.28 Celsius	7.25 mg/L
280-30425-A-7	MWSAR0324UA	SM5210B	T	NEG	20.52 Celsius	7.42 mg/L	6.50	21.26 Celsius	7.24 mg/L
280-30425-A-8	062512UE	SM5210B	T	NEG	20.56 Celsius	7.41 mg/L	7.21	21.25 Celsius	7.24 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Num	Bot1Amt	Bot1IDO	Bot1FDO	Bot1Dep	Bot1BOD
LCS 280-125739/12		SM5210B		I	6 mL	7.44 mg/L	2.57 mg/L	4.87 mg/L	211.435 mg/L
LCSD 280-125739/13		SM5210B		J	6 mL	7.50 mg/L	2.60 mg/L	4.9 mg/L	212.935 mg/L
MB 280-125739/14		SM5210B		K	300 mL	7.49 mg/L	6.54 mg/L	0.95 mg/L	0.309 mg/L
280-30425-A-1	LF1P0525UA	SM5210B	T	32	10 mL	7.55 mg/L	6.52 mg/L	1.03 mg/L	10.26 mg/L
280-30425-A-2	LF1M0526UA	SM5210B	T	37	10 mL	7.41 mg/L	6.5 mg/L	0.91 mg/L	6.66 mg/L
280-30425-A-3	LF1M0620UA	SM5210B	T	42	10 mL	7.50 mg/L	6.52 mg/L	0.98 mg/L	10.161 mg/L
280-30425-A-4	LF1M1030UA	SM5210B	T	47	10 mL	7.38 mg/L	6.55 mg/L	0.83 mg/L	4.26 mg/L
280-30425-A-5	LF1M1030UC	SM5210B	T	52	10 mL	7.40 mg/L	6.51 mg/L	0.89 mg/L	6.06 mg/L
280-30425-A-6	LF1M1212UA	SM5210B	T	57	10 mL	7.43 mg/L	6.25 mg/L	1.18 mg/L	16.161 mg/L
280-30425-A-7	MWSAR0324UA	SM5210B	T	62	10 mL	7.33 mg/L	6.34 mg/L	0.99 mg/L	10.461 mg/L
280-30425-A-8	062512UE	SM5210B	T	67	10 mL	7.35 mg/L	6.19 mg/L	1.16 mg/L	14.16 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Use	Bot2Num	Bot2Amt	Bot2IDO	Bot2FDO	Bot2Dep
LCS 280-125739/12		SM5210B		YES. Pass					
LCSD 280-125739/13		SM5210B		YES. Pass					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 125739 Batch Start Date: 06/27/12 06:59 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Use	Bot2Num	Bot2Amt	Bot2IDO	Bot2FDO	Bot2Dep
MB 280-125739/14		SM5210B		No. DO Deplete Fail					
280-30425-A-1	LF1P0525UA	SM5210B	T	No. DO Deplete Fail	33	25 mL	7.54 mg/L	6.55 mg/L	0.99 mg/L
280-30425-A-2	LF1M0526UA	SM5210B	T	No. DO Deplete Fail	38	25 mL	7.37 mg/L	6..44 mg/L	
280-30425-A-3	LF1M0620UA	SM5210B	T	No. DO Deplete Fail	43	25 mL	7.44 mg/L	6.50 mg/L	0.94 mg/L
280-30425-A-4	LF1M1030UA	SM5210B	T	No. DO Deplete Fail	48	25 mL	7.44 mg/L	6.59 mg/L	0.85 mg/L
280-30425-A-5	LF1M1030UC	SM5210B	T	No. DO Deplete Fail	53	25 mL	7.43 mg/L	6.63 mg/L	0.8 mg/L
280-30425-A-6	LF1M1212UA	SM5210B	T	No. DO Deplete Fail	58	25 mL	7.38 mg/L	6.20 mg/L	1.18 mg/L
280-30425-A-7	MWSAR0324UA	SM5210B	T	No. DO Deplete Fail	63	25 mL	7.35 mg/L	6.16 mg/L	1.19 mg/L
280-30425-A-8	062512UE	SM5210B	T	No. DO Deplete Fail	68	25 mL	7.37 mg/L	6.21 mg/L	1.16 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot2BOD	Bot2Use	Bot3Num	Bot3Amt	Bot3IDO	Bot3FDO
LCS 280-125739/12		SM5210B							
LCSD 280-125739/13		SM5210B							
MB 280-125739/14		SM5210B							
280-30425-A-1	LF1P0525UA	SM5210B	T	3.624 mg/L	No. DO Deplete Fail	34	60 mL	7.56 mg/L	6.52 mg/L
280-30425-A-2	LF1M0526UA	SM5210B	T			39	60 mL	7.18 mg/L	6.18 mg/L
280-30425-A-3	LF1M0620UA	SM5210B	T	3.584 mg/L	No. DO Deplete Fail	44	60 mL	7.28 mg/L	6.06 mg/L
280-30425-A-4	LF1M1030UA	SM5210B	T	1.944 mg/L	No. DO Deplete Fail	49	60 mL	7.60 mg/L	6.74 mg/L
280-30425-A-5	LF1M1030UC	SM5210B	T	1.344 mg/L	No. DO Deplete Fail	54	60 mL	7.62 mg/L	6.70 mg/L
280-30425-A-6	LF1M1212UA	SM5210B	T	6.464 mg/L	No. DO Deplete Fail	59	60 mL	7.33 mg/L	6.15 mg/L
280-30425-A-7	MWSAR0324UA	SM5210B	T	6.584 mg/L	No. DO Deplete Fail	64	60 mL	6.97 mg/L	5.56 mg/L
280-30425-A-8	062512UE	SM5210B	T	5.664 mg/L	No. DO Deplete Fail	69	60 mL	7.57 mg/L	6.50 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot3Dep	Bot3BOD	Bot3Use	Bot4Num	Bot4Amt	Bot4IDO

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 125739 Batch Start Date: 06/27/12 06:59 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot3Dep	Bot3BOD	Bot3Use	Bot4Num	Bot4Amt	Bot4IDO
LCS 280-125739/12		SM5210B							
LCSD 280-125739/13		SM5210B							
MB 280-125739/14		SM5210B							
280-30425-A-1	LF1P0525UA	SM5210B	T	1.04 mg/L	1.76 mg/L	NO. Deplete Fail	35	120 mL	7.64 mg/L
280-30425-A-2	LF1M0526UA	SM5210B	T				40	120 mL	6.91 mg/L
280-30425-A-3	LF1M0620UA	SM5210B	T	1.22 mg/L	2.894 mg/L	NO. Deplete Fail	45	120 mL	7.10 mg/L
280-30425-A-4	LF1M1030UA	SM5210B	T	0.86 mg/L	0.86 mg/L	NO. Deplete Fail	50	120 mL	7.86 mg/L
280-30425-A-5	LF1M1030UC	SM5210B	T	0.92 mg/L	1.16 mg/L	NO. Deplete Fail	55	120 mL	7.87 mg/L
280-30425-A-6	LF1M1212UA	SM5210B	T	1.18 mg/L	2.694 mg/L	NO. Deplete Fail	60	120 mL	7.24 mg/L
280-30425-A-7	MWSAR0324UA	SM5210B	T	1.41 mg/L	3.844 mg/L	NO. Deplete Fail	65	120 mL	6.60 mg/L
280-30425-A-8	062512UE	SM5210B	T	1.07 mg/L	1.91 mg/L	NO. Deplete Fail	70	120 mL	8.00 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot4FDO	Bot4Dep	Bot4BOD	Bot4Use	Bot5Num	Bot5Amt
LCS 280-125739/12		SM5210B							
LCSD 280-125739/13		SM5210B							
MB 280-125739/14		SM5210B							
280-30425-A-1	LF1P0525UA	SM5210B	T	6.36 mg/L	1.28 mg/L	1.48 mg/L	NO. Deplete Fail	36	240 mL
280-30425-A-2	LF1M0526UA	SM5210B	T	5.53 mg/L				41	240 mL
280-30425-A-3	LF1M0620UA	SM5210B	T	5.42 mg/L	1.68 mg/L	2.597 mg/L	NO. Deplete Fail	46	240 mL
280-30425-A-4	LF1M1030UA	SM5210B	T	6.76 mg/L	1.1 mg/L	1.03 mg/L	NO. Deplete Fail	51	240 mL
280-30425-A-5	LF1M1030UC	SM5210B	T	6.83 mg/L	1.04 mg/L	0.88 mg/L	NO. Deplete Fail	56	240 mL
280-30425-A-6	LF1M1212UA	SM5210B	T	6.14 mg/L	1.1 mg/L	1.147 mg/L	NO. Deplete Fail	61	240 mL
280-30425-A-7	MWSAR0324UA	SM5210B	T	4.82 mg/L	1.78 mg/L	2.847 mg/L	NO. Deplete Fail	66	240 mL
280-30425-A-8	062512UE	SM5210B	T	6.83 mg/L	1.17 mg/L	1.205 mg/L	NO. Deplete Fail	71	240 mL

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 125739 Batch Start Date: 06/27/12 06:59 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot5IDO	Bot5FDO	Bot5Dep	Bot5BOD	Bot5Use	CalcMsg
LCS 280-125739/12		SM5210B							BOD OK
LCSD 280-125739/13		SM5210B							BOD OK
MB 280-125739/14		SM5210B							No dilutions passed.
280-30425-A-1	LF1P0525UA	SM5210B	T	7.61 mg/L	5.73 mg/L	1.88 mg/L	1.49 mg/L	NO. Deplete Fail	No dilutions passed.
280-30425-A-2	LF1M0526UA	SM5210B	T	6.01 mg/L	3.65 mg/L				Not Calculated. Bot 2 Fin. DO is Not a Num.
280-30425-A-3	LF1M0620UA	SM5210B	T	6.38 mg/L	3.67 mg/L	2.71 mg/L	2.586 mg/L	YES. Pass	BOD OK
280-30425-A-4	LF1M1030UA	SM5210B	T	8.38 mg/L	6.81 mg/L	1.57 mg/L	1.103 mg/L	NO. Deplete Fail	No dilutions passed.
280-30425-A-5	LF1M1030UC	SM5210B	T	8.44 mg/L	6.91 mg/L	1.53 mg/L	1.053 mg/L	NO. Deplete Fail	No dilutions passed.
280-30425-A-6	LF1M1212UA	SM5210B	T	6.97 mg/L	5.38 mg/L	1.59 mg/L	1.186 mg/L	NO. Deplete Fail	No dilutions passed.
280-30425-A-7	MWSAR0324UA	SM5210B	T	5.83 mg/L	2.93 mg/L	2.9 mg/L	2.823 mg/L	YES. Pass	BOD OK
280-30425-A-8	062512UE	SM5210B	T	8.86 mg/L	7.37 mg/L	1.49 mg/L	1.003 mg/L	NO. Deplete Fail	No dilutions passed.

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	BOD Daily LCS 00529				
LCS 280-125739/12		SM5210B		300 mL	6 mL				
LCSD 280-125739/13		SM5210B		300 mL	6 mL				
MB 280-125739/14		SM5210B		300 mL					
280-30425-A-1	LF1P0525UA	SM5210B	T	300 mL					
280-30425-A-2	LF1M0526UA	SM5210B	T	300 mL					
280-30425-A-3	LF1M0620UA	SM5210B	T	300 mL					
280-30425-A-4	LF1M1030UA	SM5210B	T	300 mL					
280-30425-A-5	LF1M1030UC	SM5210B	T	300 mL					
280-30425-A-6	LF1M1212UA	SM5210B	T	300 mL					
280-30425-A-7	MWSAR0324UA	SM5210B	T	300 mL					
280-30425-A-8	062512UE	SM5210B	T	300 mL					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30425-1

SDG No.:

Batch Number: 125739 Batch Start Date: 06/27/12 06:59 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date:

Batch Notes	
Barometric Pressure at Time of Analysis	752mmhg
Batch Comment	WC5000IC
Sulfuric Acid Lot Number	H2SO4 _00001
Incubator ID	bod1
Incubator Temperature	20.5 Degrees C
Sodium Hydroxide Reagent ID Number	NAOH_00003
Nitrification Inhibitor ID	NITRIFINHIBI_00001
Nominal Amount Used	300 mL
Nutrient Buffer Pillow Lot #	BOD PILLOWS _00002
pH Meter ID	MO201543/001-1633
Perform Calculation (0=No, 1=Yes)	1
Amount of Seed added to each Sample	4 mL
Seed Correction	0.688 mg/L
Seed Lot	POLYSEED_00003/seeded @ 1100 AND @ 1830/ SEED WINDOW 1030-1630/ 1400-1900

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-30425-1

Login Number: 30425

List Source: TestAmerica Denver

List Number: 1

Creator: Bindel, Aaron M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30455-1

Job Description: Griffiss AFB LF1 LTM

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Elaine Walker
Project Manager I
7/26/2012 2:40 PM

Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/26/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB LF1 LTM
Report Number: 280-30455-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Nine samples were received on 06/27/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 0.8ºC and 2.4ºC.

Relinquished By information was not present on the associated chain-of-custody. The client was notified of this discrepancy via email on 06/27/2012.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples LF1M10318UA (280-30455-3), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), 062612UE (280-30455-7), 062612UF (280-30455-8), and 062612UR (280-30455-9) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/10/2012.

No difficulties were encountered during the VOC analyses.

All quality control parameters were within the acceptance limits.

AMMONIA

Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 07/09/2012.

Ammonia was detected in method blank MB 280-127015/109 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 280-127349, performed on sample LF1M01R11UA (280-30455-1), were outside control limits. The associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

TOTAL KJELDAHL NITROGEN

Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 07/18/2012 and analyzed on 07/20/2012.

Nitrogen, Kjeldahl was detected in method blank MB 280-128384/3-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

No other difficulties were encountered during the TKN analyses.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND

Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for chemical oxygen demand in accordance with EPA Method 410.4. The samples were analyzed on 07/03/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 07/18/2012 and 07/19/2012.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

COLOR

Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1M10318UA (280-30455-3), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for color in accordance with SM20 2120B - Colorimetric. The samples were analyzed on 06/27/2012.

No difficulties were encountered during the color analyses.

All quality control parameters were within the acceptance limits.

ALKALINITY

Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1M10318UA (280-30455-3), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 07/02/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

HARDNESS

Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for hardness in accordance with SM20 2340C. The samples were analyzed on 07/19/2012.

No difficulties were encountered during the hardness analyses.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS

Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1M10318UA (280-30455-3), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 07/02/2012.

No difficulties were encountered during the TDS analyses.

All quality control parameters were within the acceptance limits.

ANIONS

Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1M10318UA (280-30455-3), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for anions in accordance with EPA SW-846 Method 9056. The samples were analyzed on 06/27/2012.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

BIOCHEMICAL OXYGEN DEMAND

Samples LF1M01R11UA (280-30455-1), LF1M1411UA (280-30455-2), LF1SW0101UA (280-30455-4), LF1SW02SMC01UA (280-30455-5), LF1SW0301UA (280-30455-6), and 062612UE (280-30455-7) were analyzed for Biochemical Oxygen Demand in accordance with SM20 5210B. The samples were analyzed on 06/27/2012.

Biochemical Oxygen Demand was detected in method blank SCB 280-125739/9 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Sample LF1M01R11UA (280-30455-1) required a dilution prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

No other difficulties were encountered during the BOD analyses.

All other quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: MSV_H Analysis Batch Number: 126680

Lab Sample ID: IC 280-126680/4 Client Sample ID:

Date Analyzed: 07/02/12 13:15 Lab File ID: H4457.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	3.62	Split Peak	meierg	07/03/12 06:12
Ethanol	3.82	Analyte not Identified by the Data System	meierg	07/02/12 14:43
Acetone	4.23	Split Peak	meierg	07/03/12 06:16

Lab Sample ID: IC 280-126680/5 Client Sample ID:

Date Analyzed: 07/02/12 13:37 Lab File ID: H4458.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	3.84	Baseline Event	meierg	07/03/12 06:15

Lab Sample ID: IC 280-126680/8 Client Sample ID:

Date Analyzed: 07/02/12 14:44 Lab File ID: H4461.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	3.62	Split Peak	meierg	07/03/12 06:12
Acetonitrile	4.60	Mis-Integrated	meierg	07/03/12 06:20

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30455-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30455-1	LF1M01R11UA	Water	06/26/2012 1204	06/27/2012 0945
280-30455-2	LF1M1411UA	Water	06/26/2012 1011	06/27/2012 0945
280-30455-3	LF1M10318UA	Water	06/26/2012 1030	06/27/2012 0945
280-30455-4	LF1SW0101UA	Water	06/26/2012 1101	06/27/2012 0945
280-30455-5	LF1SW02SMC01UA	Water	06/26/2012 1145	06/27/2012 0945
280-30455-6	LF1SW0301UA	Water	06/26/2012 1035	06/27/2012 0945
280-30455-7EB	062612UE	Water	06/26/2012 1415	06/27/2012 0945
280-30455-8FB	062612UF	Water	06/26/2012 1201	06/27/2012 0945
280-30455-9TB	062612UR	Water	06/26/2012 0915	06/27/2012 0945

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30455-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30455-1	**LF1M01R11UA**					
Ammonia		0.13	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.2		1.0	mg/L	351.2
Chemical Oxygen Demand		37		20	mg/L	410.4
Chloride		10		3.0	mg/L	9056A
Sulfate		8.3		5.0	mg/L	9056A
Total Organic Carbon - Quad		5.1		1.0	mg/L	9060A
Alkalinity		41		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		74		5.0	mg/L	SM 2340C
Total Dissolved Solids		89		10	mg/L	SM 2540C
280-30455-2	**LF1M1411UA**					
Ammonia		0.13		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.82	J	1.0	mg/L	351.2
Chemical Oxygen Demand		6.0	J	20	mg/L	410.4
Nitrate as N		0.98		0.50	mg/L	9056A
Chloride		6.7		3.0	mg/L	9056A
Nitrate Nitrite as N		0.98		0.50	mg/L	9056A
Sulfate		8.3		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.98	J	1.0	mg/L	9060A
Alkalinity		68		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		84		5.0	mg/L	SM 2340C
Total Dissolved Solids		100		10	mg/L	SM 2540C
280-30455-3	**LF1M10318UA**					
Acetone		13		10	ug/L	8260B/DoD
Chloromethane		0.33	J	2.0	ug/L	8260B/DoD
Bromide		0.12	J	0.50	mg/L	9056A
Nitrate as N		1.0		0.50	mg/L	9056A
Chloride		5.2		3.0	mg/L	9056A
Nitrite as N		0.056	J	0.50	mg/L	9056A
Fluoride		0.75	J	1.0	mg/L	9056A
Nitrate Nitrite as N		1.1		0.50	mg/L	9056A
Sulfate		14		5.0	mg/L	9056A
Alkalinity		390		5.0	mg/L	SM 2320B
Total Dissolved Solids		370		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30455-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30455-4	**LF1SW0101UA**					
Toluene		0.29	J	1.0	ug/L	8260B/DoD
Ammonia		0.063	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.80	J	1.0	mg/L	351.2
Chloride		3.6		3.0	mg/L	9056A
Sulfate		3.0	J	5.0	mg/L	9056A
Total Organic Carbon - Quad		1.3		1.0	mg/L	9060A
Alkalinity		240		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		250		5.0	mg/L	SM 2340C
Total Dissolved Solids		240		10	mg/L	SM 2540C
Biochemical Oxygen Demand		2.0	J	2.5	mg/L	SM5210B
280-30455-5	**LF1SW02SMC01UA**					
1,2,4-Trimethylbenzene		0.19	J	1.0	ug/L	8260B/DoD
1,2-Dichlorobenzene		0.55	J	1.0	ug/L	8260B/DoD
1,4-Dichlorobenzene		2.7		1.0	ug/L	8260B/DoD
Benzene		0.42	J	1.0	ug/L	8260B/DoD
Chlorobenzene		2.2		1.0	ug/L	8260B/DoD
Toluene		0.34	J	1.0	ug/L	8260B/DoD
Cyclohexane		1.8	J	2.0	ug/L	8260B/DoD
Methylcyclohexane		1.8	J	2.0	ug/L	8260B/DoD
Ammonia		0.62		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.7		1.0	mg/L	351.2
Chemical Oxygen Demand		10	J	20	mg/L	410.4
Bromide		0.13	J	0.50	mg/L	9056A
Chloride		7.9		3.0	mg/L	9056A
Fluoride		0.065	J	1.0	mg/L	9056A
Sulfate		0.54	J	5.0	mg/L	9056A
Total Organic Carbon - Quad		2.8		1.0	mg/L	9060A
Alkalinity		390		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		360		5.0	mg/L	SM 2340C
Total Dissolved Solids		400		10	mg/L	SM 2540C
Biochemical Oxygen Demand		4.3		2.5	mg/L	SM5210B

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30455-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30455-6	**LF1SW0301UA**					
Ammonia		0.078	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.90	J	1.0	mg/L	351.2
Chemical Oxygen Demand		10	J	20	mg/L	410.4
Nitrate as N		0.061	J	0.50	mg/L	9056A
Chloride		7.0		3.0	mg/L	9056A
Nitrate Nitrite as N		0.061	J	0.50	mg/L	9056A
Sulfate		3.0	J	5.0	mg/L	9056A
Total Organic Carbon - Quad		4.4		1.0	mg/L	9060A
Alkalinity		160		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		150		5.0	mg/L	SM 2340C
Total Dissolved Solids		190		10	mg/L	SM 2540C
Biochemical Oxygen Demand		1.8	J	2.5	mg/L	SM5210B
280-30455-7EB	**062612UE**					
Chloroform		0.19	J	1.0	ug/L	8260B/DoD
Ammonia		0.10		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.82	J	1.0	mg/L	351.2
Total Organic Carbon - Quad		0.32	J	1.0	mg/L	9060A
280-30455-8FB	**062612UF**					
Chloroform		0.18	J	1.0	ug/L	8260B/DoD

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30455-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Nitrogen, Total Kjeldahl	TAL DEN	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL DEN		MCAWW 351.2
COD	TAL DEN	MCAWW 410.4	
Anions, Ion Chromatography	TAL DEN	SW846 9056A	
Organic Carbon, Total (TOC)	TAL DEN	SW846 9060A	
Color, Colorimetric	TAL DEN	SM SM 2120B	
Alkalinity	TAL DEN	SM SM 2320B	
Hardness, Total	TAL DEN	SM SM 2340C	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	
BOD, 5 Day	TAL DEN	SM SM5210B	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30455-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Meier, Greg P	GPM
MCAWW 350.1	Wolff, Brett Q	BQW
MCAWW 351.2	Woolley, Mark	MW
MCAWW 410.4	Fayard, Maria	MF
SW846 9056A	Kudla, Ewa	EK
SW846 9060A	Bandy, Darlene F	DFB
SM SM 2120B	Ayala, Delaina	DA
SM SM 2320B	Allen, Andrew J	AJA
SM SM 2340C	Allen, Andrew J	AJA
SM SM 2540C	Domnick, Brandon J	BJD
SM SM5210B	Ayala, Delaina	DA

Client: FPM Remediations Inc | Job Number: 280-30455-1

Client Sample ID: **LF1M10318UA**

Lab Sample ID: 280-30455-3 | Date Sampled: 06/26/2012 1030
Client Matrix: Water | Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4717.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0852			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0852				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	13		1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.33	J	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc | Job Number: 280-30455-1

Client Sample ID: **LF1M10318UA**

Lab Sample ID: 280-30455-3 | Date Sampled: 06/26/2012 1030
Client Matrix: Water | Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4717.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0852			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0852				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	102		85 - 120
1,2-Dichloroethane-d4 (Surr)	97		70 - 120
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	101		85 - 115

Client: FPM Remediations Inc | Job Number: 280-30455-1

Client Sample ID: **LF1SW0101UA**

Lab Sample ID: 280-30455-4 | Date Sampled: 06/26/2012 1101
Client Matrix: Water | Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4718.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0914			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0914				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc | Job Number: 280-30455-1

Client Sample ID: **LF1SW0101UA**

Lab Sample ID: 280-30455-4 | Date Sampled: 06/26/2012 1101
Client Matrix: Water | Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4718.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0914			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0914				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.29	J	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	108		85 - 120
1,2-Dichloroethane-d4 (Surr)	101		70 - 120
4-Bromofluorobenzene (Surr)	105		75 - 120
Dibromofluoromethane (Surr)	105		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **LF1SW02SMC01UA**

Lab Sample ID: 280-30455-5
Client Matrix: Water

Date Sampled: 06/26/2012 1145
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4719.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0936			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0936				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.19	J	0.14	1.0
1,2-Dichlorobenzene	0.55	J	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	2.7		0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.42	J	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	2.2		0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc | Job Number: 280-30455-1

Client Sample ID: **LF1SW02SMC01UA**

Lab Sample ID: 280-30455-5 | Date Sampled: 06/26/2012 1145
Client Matrix: Water | Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4719.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0936			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0936				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.34	J	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	1.8	J	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	1.8	J	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	108		85 - 120
1,2-Dichloroethane-d4 (Surr)	102		70 - 120
4-Bromofluorobenzene (Surr)	105		75 - 120
Dibromofluoromethane (Surr)	104		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **LF1SW0301UA**

Lab Sample ID: 280-30455-6
Client Matrix: Water

Date Sampled: 06/26/2012 1035
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4720.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0958			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0958				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **LF1SW0301UA**

Lab Sample ID: 280-30455-6
Client Matrix: Water

Date Sampled: 06/26/2012 1035
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4720.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0958			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0958				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	108		85 - 120
1,2-Dichloroethane-d4 (Surr)	99		70 - 120
4-Bromofluorobenzene (Surr)	108		75 - 120
Dibromofluoromethane (Surr)	106		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **062612UE**

Lab Sample ID: 280-30455-7EB
Client Matrix: Water

Date Sampled: 06/26/2012 1415
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4721.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 1020			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 1020				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.19	J	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **062612UE**

Lab Sample ID: 280-30455-7EB
Client Matrix: Water

Date Sampled: 06/26/2012 1415
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4721.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 1020			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 1020				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	104		85 - 120
1,2-Dichloroethane-d4 (Surr)	99		70 - 120
4-Bromofluorobenzene (Surr)	102		75 - 120
Dibromofluoromethane (Surr)	103		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **062612UF**

Lab Sample ID: 280-30455-8FB
Client Matrix: Water

Date Sampled: 06/26/2012 1201
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4722.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 1042			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 1042				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.18	J	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **062612UF**

Lab Sample ID: 280-30455-8FB
Client Matrix: Water

Date Sampled: 06/26/2012 1201
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4722.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 1042			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 1042				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	103		85 - 120
1,2-Dichloroethane-d4 (Surr)	97		70 - 120
4-Bromofluorobenzene (Surr)	102		75 - 120
Dibromofluoromethane (Surr)	102		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **062612UR**

Lab Sample ID: 280-30455-9TB
Client Matrix: Water

Date Sampled: 06/26/2012 0915
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4723.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 1104			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 1104				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30455-1

Client Sample ID: **062612UR**

Lab Sample ID: 280-30455-9TB
Client Matrix: Water

Date Sampled: 06/26/2012 0915
Date Received: 06/27/2012 0945

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	H4723.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 1104			Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 1104				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	108		85 - 120
1,2-Dichloroethane-d4 (Surr)	102		70 - 120
4-Bromofluorobenzene (Surr)	107		75 - 120
Dibromofluoromethane (Surr)	107		85 - 115

General Chemistry

Client Sample ID: **LF1M01R11UA**

Lab Sample ID: 280-30455-1 Date Sampled: 06/26/2012 1204
Client Matrix: Water Date Received: 06/27/2012 0945

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.13	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1425						
Nitrogen, Kjeldahl	1.2		mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/20/2012 0011						
Prep Batch: 280-128384	Prep Date: 07/18/2012 1900						
Chemical Oxygen Demand	37		mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126498	Analysis Date: 07/03/2012 1007						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1554						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1554						
Chloride	10		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1554						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1554						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1554						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1554						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1554						
Sulfate	8.3		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1554						
Total Organic Carbon - Quad	5.1		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128577	Analysis Date: 07/18/2012 2356						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126223	Analysis Date: 06/27/2012 1300						
Alkalinity	41		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1159						
Hardness as calcium carbonate	74		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	89		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126308	Analysis Date: 07/02/2012 1013						
Biochemical Oxygen Demand	3.0	U	mg/L	1.2	10	5.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 1308						

General Chemistry

Client Sample ID: **LF1M1411UA**

Lab Sample ID: 280-30455-2 Date Sampled: 06/26/2012 1011
Client Matrix: Water Date Received: 06/27/2012 0945

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.13		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1440						
Nitrogen, Kjeldahl	0.82	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/20/2012 0012						
Prep Batch: 280-128384	Prep Date: 07/18/2012 1900						
Chemical Oxygen Demand	6.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126498	Analysis Date: 07/03/2012 1007						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1610						
Nitrate as N	0.98		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1610						
Chloride	6.7		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1610						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1610						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1610						
Nitrate Nitrite as N	0.98		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1610						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1610						
Sulfate	8.3		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1610						
Total Organic Carbon - Quad	0.98	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128577	Analysis Date: 07/19/2012 0052						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126223	Analysis Date: 06/27/2012 1300						
Alkalinity	68		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1203						
Hardness as calcium carbonate	84		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	100		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126308	Analysis Date: 07/02/2012 1013						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 1310						

General Chemistry

Client Sample ID: **LF1M10318UA**

Lab Sample ID: 280-30455-3 Date Sampled: 06/26/2012 1030
Client Matrix: Water Date Received: 06/27/2012 0945

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Bromide	0.12	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1627						
Nitrate as N	1.0		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1627						
Chloride	5.2		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1627						
Nitrite as N	0.056	J	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1627						
Fluoride	0.75	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1627						
Nitrate Nitrite as N	1.1		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1627						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1627						
Sulfate	14		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1627						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126223	Analysis Date: 06/27/2012 1300						
Alkalinity	390		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1209						
Total Dissolved Solids	370		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126308	Analysis Date: 07/02/2012 1013						

General Chemistry

Client Sample ID: **LF1SW0101UA**

Lab Sample ID: 280-30455-4 Date Sampled: 06/26/2012 1101
Client Matrix: Water Date Received: 06/27/2012 0945

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.063	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1441						
Nitrogen, Kjeldahl	0.80	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/20/2012 0019						
Prep Batch: 280-128384	Prep Date: 07/18/2012 1900						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126498	Analysis Date: 07/03/2012 1007						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1644						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1644						
Chloride	3.6		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1644						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1644						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1644						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1644						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1644						
Sulfate	3.0	J	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1644						
Total Organic Carbon - Quad	1.3		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128577	Analysis Date: 07/19/2012 0107						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126223	Analysis Date: 06/27/2012 1300						
Alkalinity	240		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1214						
Hardness as calcium carbonate	250		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	240		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126308	Analysis Date: 07/02/2012 1013						
Biochemical Oxygen Demand	2.0	J	mg/L	0.30	2.5	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 1315						

General Chemistry

Client Sample ID: **LF1SW02SMC01UA**

Lab Sample ID: 280-30455-5 Date Sampled: 06/26/2012 1145
Client Matrix: Water Date Received: 06/27/2012 0945

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.62		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1443						
Nitrogen, Kjeldahl	1.7		mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/20/2012 0020						
Prep Batch: 280-128384	Prep Date: 07/18/2012 1900						
Chemical Oxygen Demand	10	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126498	Analysis Date: 07/03/2012 1007						
Bromide	0.13	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1701						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1701						
Chloride	7.9		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1701						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1701						
Fluoride	0.065	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1701						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1701						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1701						
Sulfate	0.54	J	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1701						
Total Organic Carbon - Quad	2.8		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128577	Analysis Date: 07/19/2012 0125						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126223	Analysis Date: 06/27/2012 1300						
Alkalinity	390		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1219						
Hardness as calcium carbonate	360		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	400		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126308	Analysis Date: 07/02/2012 1013						
Biochemical Oxygen Demand	4.3		mg/L	0.30	2.5	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0659						

General Chemistry

Client Sample ID: **LF1SW0301UA**

Lab Sample ID: 280-30455-6 Date Sampled: 06/26/2012 1035
Client Matrix: Water Date Received: 06/27/2012 0945

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.078	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1444						
Nitrogen, Kjeldahl	0.90	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/20/2012 0021						
Prep Batch: 280-128384	Prep Date: 07/18/2012 1900						
Chemical Oxygen Demand	10	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126498	Analysis Date: 07/03/2012 1007						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1718						
Nitrate as N	0.061	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1718						
Chloride	7.0		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1718						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1718						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1718						
Nitrate Nitrite as N	0.061	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1718						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1718						
Sulfate	3.0	J	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1718						
Total Organic Carbon - Quad	4.4		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128577	Analysis Date: 07/19/2012 0141						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126223	Analysis Date: 06/27/2012 1300						
Alkalinity	160		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1224						
Hardness as calcium carbonate	150		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	190		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126308	Analysis Date: 07/02/2012 1013						
Biochemical Oxygen Demand	1.8	J	mg/L	0.30	2.5	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0659						

General Chemistry

Client Sample ID: **062612UE**

Lab Sample ID: 280-30455-7EB Date Sampled: 06/26/2012 1415
Client Matrix: Water Date Received: 06/27/2012 0945

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.10		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-127015	Analysis Date: 07/09/2012 1446						
Nitrogen, Kjeldahl	0.82	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-128608	Analysis Date: 07/20/2012 0022						
Prep Batch: 280-128384	Prep Date: 07/18/2012 1900						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-126498	Analysis Date: 07/03/2012 1007						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1735						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1735						
Chloride	0.50	U	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1735						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1735						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1735						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1735						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125973	Analysis Date: 06/27/2012 1735						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125972	Analysis Date: 06/27/2012 1735						
Total Organic Carbon - Quad	0.32	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128577	Analysis Date: 07/19/2012 0200						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126223	Analysis Date: 06/27/2012 1300						
Alkalinity	2.0	U	mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-126467	Analysis Date: 07/02/2012 1227						
Hardness as calcium carbonate	1.5	U	mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128483	Analysis Date: 07/19/2012 1225						
Total Dissolved Solids	10	U	mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-126308	Analysis Date: 07/02/2012 1013						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125739	Analysis Date: 06/27/2012 0659						

Client: FPM Remediations Inc

Job Number: 280-30455-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-30455-3	LF1M10318UA	101	97	102	100
280-30455-4	LF1SW0101UA	105	101	108	105
280-30455-5	LF1SW02SMC01UA	104	102	108	105
280-30455-6	LF1SW0301UA	106	99	108	108
280-30455-7	062612UE	103	99	104	102
280-30455-8	062612UF	102	97	103	102
280-30455-9	062612UR	107	102	108	107
MB 280-127122/5		100	96	102	102
LCS 280-127122/4		100	103	111	99

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Client: FPM Remediations Inc

Job Number: 280-30455-1

Method Blank - Batch: 280-127122

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-127122/5	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H4714.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0746	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0746				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 280-30455-1

Method Blank - Batch: 280-127122

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-127122/5	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H4714.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0746	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0746				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	102	85 - 120
1,2-Dichloroethane-d4 (Surr)	96	70 - 120
4-Bromofluorobenzene (Surr)	102	75 - 120
Dibromofluoromethane (Surr)	100	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30455-1

Lab Control Sample - Batch: 280-127122

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-127122/4	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H4713.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0724	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0724				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	5.00	4.93	99	80 - 130	
1,1,1-Trichloroethane	5.00	5.18	104	65 - 130	
1,2,3-Trichloropropane	5.00	4.80	96	75 - 125	
1,2,3-Trichlorobenzene	5.00	4.50	90	55 - 140	
1,1-Dichloroethane	5.00	5.47	109	70 - 135	
1,2,4-Trichlorobenzene	5.00	4.62	92	65 - 135	
1,2-Dibromo-3-Chloropropane	5.00	4.43	89	50 - 130	J
1,1-Dichloropropene	5.00	5.26	105	75 - 130	
1,1-Dichloroethene	5.00	5.85	117	70 - 130	
1,1,2-Trichloroethane	5.00	4.92	98	75 - 125	
1,1,2,2-Tetrachloroethane	5.00	4.74	95	65 - 130	
1,2,4-Trimethylbenzene	5.00	4.76	95	75 - 130	
1,2-Dichlorobenzene	5.00	4.86	97	70 - 120	
1,2-Dichloroethane	5.00	5.45	109	70 - 130	
1,3-Dichlorobenzene	5.00	4.49	90	75 - 125	
1,3-Dichloropropane	5.00	5.00	100	75 - 125	
1,3,5-Trimethylbenzene	5.00	4.86	97	75 - 130	
2-Butanone (MEK)	20.0	19.8	99	30 - 150	
1,4-Dichlorobenzene	5.00	5.23	105	75 - 125	
1,2-Dichloropropane	5.00	5.29	106	75 - 125	
2,2-Dichloropropane	5.00	5.66	113	70 - 135	
2-Hexanone	20.0	19.0	95	55 - 130	
4-Methyl-2-pentanone (MIBK)	20.0	21.4	107	60 - 135	
4-Isopropyltoluene	5.00	4.75	95	75 - 130	
Benzene	5.00	5.45	109	80 - 120	
Acetone	20.0	27.8	139	40 - 140	
Bromobenzene	5.00	4.65	93	75 - 125	
Bromoform	5.00	4.90	98	70 - 130	
Bromomethane	5.00	4.83	97	30 - 145	
Carbon tetrachloride	5.00	5.08	102	65 - 140	
Carbon disulfide	5.00	4.42	88	35 - 160	
2-Chlorotoluene	5.00	4.60	92	75 - 125	
4-Chlorotoluene	5.00	4.83	97	75 - 130	
Chlorobenzene	5.00	5.09	102	80 - 120	
Chlorobromomethane	5.00	5.05	101	65 - 130	
Chlorodibromomethane	5.00	4.80	96	60 - 135	
Chloroform	5.00	5.16	103	65 - 135	
Chloroethane	5.00	5.23	105	60 - 135	
Chloromethane	5.00	5.40	108	40 - 125	
cis-1,2-Dichloroethene	5.00	5.17	103	70 - 125	
cis-1,3-Dichloropropene	5.00	5.28	106	70 - 130	
Dibromomethane	5.00	5.09	102	75 - 125	
Dichlorobromomethane	5.00	5.14	103	75 - 120	
Dichlorodifluoromethane	5.00	3.71	74	30 - 155	
Ethylbenzene	5.00	5.20	104	75 - 125	
Hexachlorobutadiene	5.00	5.00	100	50 - 140	

Client: FPM Remediations Inc

Job Number: 280-30455-1

Lab Control Sample - Batch: 280-127122

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-127122/4	Analysis Batch:	280-127122	Instrument ID:	MSV_H
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	H4713.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/10/2012 0724	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/10/2012 0724				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Isopropylbenzene	5.00	4.79	96	75 - 125	
Ethylene Dibromide	5.00	4.69	94	80 - 120	
Methylene Chloride	5.00	3.74	75	55 - 140	J
Methyl tert-butyl ether	5.00	4.51	90	65 - 125	J
m-Xylene & p-Xylene	10.0	10.3	103	75 - 130	
Naphthalene	5.00	4.75	95	55 - 140	
n-Butylbenzene	5.00	5.05	101	70 - 135	
N-Propylbenzene	5.00	4.62	92	70 - 130	
o-Xylene	5.00	5.04	101	80 - 120	
Styrene	5.00	5.10	102	65 - 135	
sec-Butylbenzene	5.00	4.94	99	70 - 125	
tert-Butylbenzene	5.00	4.75	95	70 - 130	
trans-1,2-Dichloroethene	5.00	5.46	109	60 - 140	
trans-1,3-Dichloropropene	5.00	5.25	105	55 - 140	
Tetrachloroethene	5.00	5.11	102	45 - 150	
Toluene	5.00	5.39	108	75 - 120	
Trichloroethene	5.00	5.15	103	70 - 125	
Trichlorofluoromethane	5.00	4.72	94	60 - 145	
Vinyl chloride	5.00	5.07	101	50 - 145	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	111	85 - 120
1,2-Dichloroethane-d4 (Surr)	103	70 - 120
4-Bromofluorobenzene (Surr)	99	75 - 120
Dibromofluoromethane (Surr)	100	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30455-1

Method Blank - Batch: 280-127015

Method: 350.1
Preparation: N/A

Lab Sample ID:	MB 280-127015/109	Analysis Batch:	280-127015	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0709NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/09/2012 1359	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Ammonia	0.0462	J	0.022	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-127015

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-127015/117	Analysis Batch:	280-127015	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0709NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/09/2012 1411	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-127015/118	Analysis Batch:	280-127015	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0709NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/09/2012 1413	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	101	101	90 - 110	0	10		

Client: FPM Remediations Inc

Job Number: 280-30455-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-127015

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-127015/117	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-127015/118
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/09/2012 1411			Analysis Date:	07/09/2012 1413
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ammonia	5.00	5.00	5.05	5.04

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127015

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-30455-1	Analysis Batch:	280-127015	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0709NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/09/2012 1437			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30455-1	Analysis Batch:	280-127015	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0709NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/09/2012 1438			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	40	40	90 - 110	0	20	J	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127015

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-30455-1	Units:	mg/L	MSD Lab Sample ID:	280-30455-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/09/2012 1437			Analysis Date:	07/09/2012 1438
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Ammonia	0.13	4.00	4.00	1.72	J	1.71	J

Client: FPM Remediations Inc

Job Number: 280-30455-1

Method Blank - Batch: 280-128384

Method: 351.2
Preparation: 351.2

Lab Sample ID:	MB 280-128384/3-A	Analysis Batch:	280-128608	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-128384	Lab File ID:	071912TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/20/2012 0004	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/18/2012 1900				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrogen, Kjeldahl	0.350	J	0.077	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-128384

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 280-128384/1-A	Analysis Batch:	280-128608	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-128384	Lab File ID:	071912TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/19/2012 2359	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/18/2012 1900				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-128384/2-A	Analysis Batch:	280-128608	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-128384	Lab File ID:	071912TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/20/2012 0000	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/18/2012 1900				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrogen, Kjeldahl	99	100	90 - 110	0	25		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-128384

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 280-128384/1-A	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-128384/2-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/19/2012 2359			Analysis Date:	07/20/2012 0000
Prep Date:	07/18/2012 1900			Prep Date:	07/18/2012 1900
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrogen, Kjeldahl	6.00	6.00	5.96	5.98

Client: FPM Remediations Inc

Job Number: 280-30455-1

Method Blank - Batch: 280-126498

Method: 410.4
Preparation: N/A

Lab Sample ID:	MB 280-126498/5	Analysis Batch:	280-126498	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	07/03/2012 1007	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Chemical Oxygen Demand	10	U	4.1	20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126498

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126498/3	Analysis Batch:	280-126498	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/03/2012 1007	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126498/4	Analysis Batch:	280-126498	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/03/2012 1007	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chemical Oxygen Demand	98	100	90 - 110	2	11		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126498

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126498/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126498/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/03/2012 1007			Analysis Date:	07/03/2012 1007
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chemical Oxygen Demand	100	100	98.4	100

Client: FPM Remediations Inc

Job Number: 280-30455-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126498

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-30455-2	Analysis Batch:	280-126498	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/03/2012 1007			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30455-2	Analysis Batch:	280-126498	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/03/2012 1007			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chemical Oxygen Demand	97	91	90 - 110	6	11		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126498

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-30455-2	Units:	mg/L	MSD Lab Sample ID:	280-30455-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/03/2012 1007			Analysis Date:	07/03/2012 1007
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chemical Oxygen Demand	6.0	J	50.0	50.0	54.4	51.3

Client: FPM Remediations Inc

Job Number: 280-30455-1

Method Blank - Batch: 280-125972

Method: 9056A
Preparation: N/A

Lab Sample ID:	MB 280-125972/15	Analysis Batch:	280-125972	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/27/2012 1520	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Bromide	0.20	U	0.11	0.50
Chloride	0.50	U	0.25	3.0
Fluoride	0.10	U	0.060	1.0
Sulfate	0.50	U	0.23	5.0

Method Reporting Limit Check - Batch: 280-125972

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-125972/12	Analysis Batch:	280-125972	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	111.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/27/2012 1430	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	0.200	0.210	105	50 - 150	
Chloride	1.00	0.996	100	50 - 150	J
Fluoride	0.200	0.189	95	50 - 150	J
Sulfate	1.00	0.896	90	50 - 150	J

Client: FPM Remediations Inc

Job Number: 280-30455-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125972

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125972/13	Analysis Batch:	280-125972	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/27/2012 1446	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125972/14	Analysis Batch:	280-125972	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/27/2012 1503	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bromide	96	96	86 - 110	0	10		
Chloride	97	97	89 - 110	0	10		
Fluoride	101	101	88 - 111	0	10		
Sulfate	96	97	86 - 110	0	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125972

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125972/13	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125972/14
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/27/2012 1446			Analysis Date:	06/27/2012 1503
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Bromide	5.00	5.00	4.79	4.78
Chloride	25.0	25.0	24.4	24.3
Fluoride	5.00	5.00	5.04	5.05
Sulfate	25.0	25.0	24.1	24.2

Client: FPM Remediations Inc

Job Number: 280-30455-1

Method Blank - Batch: 280-125973

Method: 9056A
Preparation: N/A

Lab Sample ID:	MB 280-125973/15	Analysis Batch:	280-125973	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/27/2012 1520	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrate as N	0.10	U	0.042	0.50
Nitrite as N	0.10	U	0.049	0.50
Nitrate Nitrite as N	0.10	U	0.042	0.50
Orthophosphate as P	0.20	U	0.19	0.50

Method Reporting Limit Check - Batch: 280-125973

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-125973/11	Analysis Batch:	280-125973	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	110.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/27/2012 1413	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Orthophosphate as P	0.500	0.492	98	50 - 150	J

Method Reporting Limit Check - Batch: 280-125973

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-125973/12	Analysis Batch:	280-125973	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	111.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/27/2012 1430	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate as N	0.200	0.206	103	50 - 150	J
Nitrite as N	0.200	0.197	99	50 - 150	J

Client: FPM Remediations Inc

Job Number: 280-30455-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125973

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125973/13	Analysis Batch:	280-125973	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/27/2012 1446	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125973/14	Analysis Batch:	280-125973	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/27/2012 1503	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrate as N	96	96	87 - 110	0	10		
Nitrite as N	98	98	87 - 112	0	10		
Orthophosphate as P	97	102	90 - 110	5	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125973

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125973/13	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125973/14
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/27/2012 1446			Analysis Date:	06/27/2012 1503
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrate as N	5.00	5.00	4.81	4.82
Nitrite as N	5.00	5.00	4.90	4.89
Orthophosphate as P	5.00	5.00	4.86	5.09

Client: FPM Remediations Inc

Job Number: 280-30455-1

Method Blank - Batch: 280-128577

Method: 9060A
Preparation: N/A

Lab Sample ID:	MB 280-128577/11	Analysis Batch:	280-128577	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071812.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/18/2012 2243	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Total Organic Carbon - Quad	0.40	U	0.16	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-128577

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128577/9	Analysis Batch:	280-128577	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071812.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/18/2012 2205	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-128577/10	Analysis Batch:	280-128577	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071812.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/18/2012 2223	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon - Quad	98	97	86 - 114	0	12		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-128577

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128577/9	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-128577/10
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/18/2012 2205			Analysis Date:	07/18/2012 2223
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon - Quad	25.0	25.0	24.4	24.4

Client: FPM Remediations Inc

Job Number: 280-30455-1

Method Blank - Batch: 280-126223

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	MB 280-126223/1	Analysis Batch:	280-126223	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/27/2012 1300	Units:	PCU	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Color	5.0	U	5.0	5.0

Duplicate - Batch: 280-126223

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	280-30455-1	Analysis Batch:	280-126223	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/27/2012 1300	Units:	PCU	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Color	5.0	U	5.0	NC	20	U

Client: FPM Remediations Inc

Job Number: 280-30455-1

Method Blank - Batch: 280-126467

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	MB 280-126467/6	Analysis Batch:	280-126467	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	070212.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/02/2012 1042	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Alkalinity	2.0	U	1.1	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126467

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126467/4	Analysis Batch:	280-126467	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	070212.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/02/2012 1034	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126467/5	Analysis Batch:	280-126467	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	070212.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/02/2012 1039	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Alkalinity	103	103	90 - 110	0	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126467

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126467/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126467/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/02/2012 1034			Analysis Date:	07/02/2012 1039
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Alkalinity	200	200	207	207

Client: FPM Remediations Inc

Job Number: 280-30455-1

Method Blank - Batch: 280-128483

Method: SM 2340C
Preparation: N/A

Lab Sample ID:	MB 280-128483/1	Analysis Batch:	280-128483	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/19/2012 1225	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hardness as calcium carbonate	1.5	U	1.3	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-128483

Method: SM 2340C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128483/2	Analysis Batch:	280-128483	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/19/2012 1225	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-128483/3	Analysis Batch:	280-128483	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/19/2012 1225	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hardness as calcium carbonate	99	98	90 - 110	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-128483

Method: SM 2340C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128483/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-128483/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/19/2012 1225			Analysis Date:	07/19/2012 1225
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Hardness as calcium carbonate	403	403	400	397

Client: FPM Remediations Inc

Job Number: 280-30455-1

Method Blank - Batch: 280-126308

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 280-126308/1	Analysis Batch:	280-126308	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/02/2012 1013	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Total Dissolved Solids	10	U	4.7	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126308

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126308/2	Analysis Batch:	280-126308	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/02/2012 1013	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126308/3	Analysis Batch:	280-126308	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/02/2012 1013	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	97	97	86 - 110	0	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126308

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126308/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126308/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/02/2012 1013			Analysis Date:	07/02/2012 1013
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	500	500	486	486

Client: FPM Remediations Inc

Job Number: 280-30455-1

Method Blank - Batch: 280-125739

Method: SM5210B
Preparation: N/A

Lab Sample ID:	MB 280-125739/14	Analysis Batch:	280-125739	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/27/2012 0659	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Biochemical Oxygen Demand	0.60	U	0.24	2.0

Seeded Control Blank - Batch: 280-125739

Method: SM5210B
Preparation: N/A

Lab Sample ID:	SCB 280-125739/9	Analysis Batch:	280-125739	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/27/2012 0659	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Biochemical Oxygen Demand	0.644	J	0.24	2.0

Unseeded Control Blank - Batch: 280-125739

Method: SM5210B
Preparation: N/A

Lab Sample ID:	USB 280-125739/10	Analysis Batch:	280-125739	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/27/2012 0659	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Biochemical Oxygen Demand	0.440	J	0.24	2.0

Client: FPM Remediations Inc

Job Number: 280-30455-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125739

Method: SM5210B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125739/12	Analysis Batch:	280-125739	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/27/2012 0659	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125739/13	Analysis Batch:	280-125739	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/27/2012 0659	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Biochemical Oxygen Demand	107	108	85 - 115	1	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125739

Method: SM5210B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125739/12	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125739/13
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/27/2012 0659			Analysis Date:	06/27/2012 0659
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Biochemical Oxygen Demand	198	198	211	213

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-30455-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-30455-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-127122					
LCS 280-127122/4	Lab Control Sample	T	Water	8260B/DoD	
MB 280-127122/5	Method Blank	T	Water	8260B/DoD	
280-30455-3	LF1M10318UA	T	Water	8260B/DoD	
280-30455-4	LF1SW0101UA	T	Water	8260B/DoD	
280-30455-5	LF1SW02SMC01UA	T	Water	8260B/DoD	
280-30455-6	LF1SW0301UA	T	Water	8260B/DoD	
280-30455-7EB	062612UE	T	Water	8260B/DoD	
280-30455-8FB	062612UF	T	Water	8260B/DoD	
280-30455-9TB	062612UR	T	Water	8260B/DoD	

Report Basis

T = Total

Client: FPM Remediations Inc

Job Number: 280-30455-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-125739					
LCS 280-125739/12	Lab Control Sample	T	Water	SM5210B	
LCSD 280-125739/13	Lab Control Sample Duplicate	T	Water	SM5210B	
MB 280-125739/14	Method Blank	T	Water	SM5210B	
SCB 280-125739/9	Seeded Control Blank	T	Water	SM5210B	
USB 280-125739/10	Unseeded Control Blank	T	Water	SM5210B	
280-30455-1	LF1M01R11UA	T	Water	SM5210B	
280-30455-2	LF1M1411UA	T	Water	SM5210B	
280-30455-4	LF1SW0101UA	T	Water	SM5210B	
280-30455-5	LF1SW02SMC01UA	T	Water	SM5210B	
280-30455-6	LF1SW0301UA	T	Water	SM5210B	
280-30455-7EB	062612UE	T	Water	SM5210B	
Analysis Batch:280-125972					
LCS 280-125972/13	Lab Control Sample	T	Water	9056A	
LCSD 280-125972/14	Lab Control Sample Duplicate	T	Water	9056A	
MB 280-125972/15	Method Blank	T	Water	9056A	
280-30455-1	LF1M01R11UA	T	Water	9056A	
280-30455-2	LF1M1411UA	T	Water	9056A	
280-30455-3	LF1M10318UA	T	Water	9056A	
280-30455-4	LF1SW0101UA	T	Water	9056A	
280-30455-5	LF1SW02SMC01UA	T	Water	9056A	
280-30455-6	LF1SW0301UA	T	Water	9056A	
280-30455-7EB	062612UE	T	Water	9056A	
Analysis Batch:280-125973					
LCS 280-125973/13	Lab Control Sample	T	Water	9056A	
LCSD 280-125973/14	Lab Control Sample Duplicate	T	Water	9056A	
MB 280-125973/15	Method Blank	T	Water	9056A	
280-30455-1	LF1M01R11UA	T	Water	9056A	
280-30455-2	LF1M1411UA	T	Water	9056A	
280-30455-3	LF1M10318UA	T	Water	9056A	
280-30455-4	LF1SW0101UA	T	Water	9056A	
280-30455-5	LF1SW02SMC01UA	T	Water	9056A	
280-30455-6	LF1SW0301UA	T	Water	9056A	
280-30455-7EB	062612UE	T	Water	9056A	

Client: FPM Remediations Inc

Job Number: 280-30455-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-126223					
MB 280-126223/1	Method Blank	T	Water	SM 2120B	
280-30455-1	LF1M01R11UA	T	Water	SM 2120B	
280-30455-1DU	Duplicate	T	Water	SM 2120B	
280-30455-2	LF1M1411UA	T	Water	SM 2120B	
280-30455-3	LF1M10318UA	T	Water	SM 2120B	
280-30455-4	LF1SW0101UA	T	Water	SM 2120B	
280-30455-5	LF1SW02SMC01UA	T	Water	SM 2120B	
280-30455-6	LF1SW0301UA	T	Water	SM 2120B	
280-30455-7EB	062612UE	T	Water	SM 2120B	
Analysis Batch:280-126308					
LCS 280-126308/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 280-126308/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 280-126308/1	Method Blank	T	Water	SM 2540C	
280-30455-1	LF1M01R11UA	T	Water	SM 2540C	
280-30455-2	LF1M1411UA	T	Water	SM 2540C	
280-30455-3	LF1M10318UA	T	Water	SM 2540C	
280-30455-4	LF1SW0101UA	T	Water	SM 2540C	
280-30455-5	LF1SW02SMC01UA	T	Water	SM 2540C	
280-30455-6	LF1SW0301UA	T	Water	SM 2540C	
280-30455-7EB	062612UE	T	Water	SM 2540C	
Analysis Batch:280-126467					
LCS 280-126467/4	Lab Control Sample	T	Water	SM 2320B	
LCSD 280-126467/5	Lab Control Sample Duplicate	T	Water	SM 2320B	
MB 280-126467/6	Method Blank	T	Water	SM 2320B	
280-30455-1	LF1M01R11UA	T	Water	SM 2320B	
280-30455-2	LF1M1411UA	T	Water	SM 2320B	
280-30455-3	LF1M10318UA	T	Water	SM 2320B	
280-30455-4	LF1SW0101UA	T	Water	SM 2320B	
280-30455-5	LF1SW02SMC01UA	T	Water	SM 2320B	
280-30455-6	LF1SW0301UA	T	Water	SM 2320B	
280-30455-7EB	062612UE	T	Water	SM 2320B	

Client: FPM Remediations Inc

Job Number: 280-30455-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-126498					
LCS 280-126498/3	Lab Control Sample	T	Water	410.4	
LCSD 280-126498/4	Lab Control Sample Duplicate	T	Water	410.4	
MB 280-126498/5	Method Blank	T	Water	410.4	
280-30455-1	LF1M01R11UA	T	Water	410.4	
280-30455-2	LF1M1411UA	T	Water	410.4	
280-30455-2MS	Matrix Spike	T	Water	410.4	
280-30455-2MSD	Matrix Spike Duplicate	T	Water	410.4	
280-30455-4	LF1SW0101UA	T	Water	410.4	
280-30455-5	LF1SW02SMC01UA	T	Water	410.4	
280-30455-6	LF1SW0301UA	T	Water	410.4	
280-30455-7EB	062612UE	T	Water	410.4	
Analysis Batch:280-127015					
LCS 280-127015/117	Lab Control Sample	T	Water	350.1	
LCSD 280-127015/118	Lab Control Sample Duplicate	T	Water	350.1	
MB 280-127015/109	Method Blank	T	Water	350.1	
280-30455-1	LF1M01R11UA	T	Water	350.1	
280-30455-1MS	Matrix Spike	T	Water	350.1	
280-30455-1MSD	Matrix Spike Duplicate	T	Water	350.1	
280-30455-2	LF1M1411UA	T	Water	350.1	
280-30455-4	LF1SW0101UA	T	Water	350.1	
280-30455-5	LF1SW02SMC01UA	T	Water	350.1	
280-30455-6	LF1SW0301UA	T	Water	350.1	
280-30455-7EB	062612UE	T	Water	350.1	
Prep Batch: 280-128384					
LCS 280-128384/1-A	Lab Control Sample	T	Water	351.2	
LCSD 280-128384/2-A	Lab Control Sample Duplicate	T	Water	351.2	
MB 280-128384/3-A	Method Blank	T	Water	351.2	
280-30455-1	LF1M01R11UA	T	Water	351.2	
280-30455-2	LF1M1411UA	T	Water	351.2	
280-30455-4	LF1SW0101UA	T	Water	351.2	
280-30455-5	LF1SW02SMC01UA	T	Water	351.2	
280-30455-6	LF1SW0301UA	T	Water	351.2	
280-30455-7EB	062612UE	T	Water	351.2	

Client: FPM Remediations Inc

Job Number: 280-30455-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-128483					
LCS 280-128483/2	Lab Control Sample	T	Water	SM 2340C	
LCSD 280-128483/3	Lab Control Sample Duplicate	T	Water	SM 2340C	
MB 280-128483/1	Method Blank	T	Water	SM 2340C	
280-30455-1	LF1M01R11UA	T	Water	SM 2340C	
280-30455-2	LF1M1411UA	T	Water	SM 2340C	
280-30455-4	LF1SW0101UA	T	Water	SM 2340C	
280-30455-5	LF1SW02SMC01UA	T	Water	SM 2340C	
280-30455-6	LF1SW0301UA	T	Water	SM 2340C	
280-30455-7EB	062612UE	T	Water	SM 2340C	
Analysis Batch:280-128577					
LCS 280-128577/9	Lab Control Sample	T	Water	9060A	
LCSD 280-128577/10	Lab Control Sample Duplicate	T	Water	9060A	
MB 280-128577/11	Method Blank	T	Water	9060A	
280-30455-1	LF1M01R11UA	T	Water	9060A	
280-30455-2	LF1M1411UA	T	Water	9060A	
280-30455-4	LF1SW0101UA	T	Water	9060A	
280-30455-5	LF1SW02SMC01UA	T	Water	9060A	
280-30455-6	LF1SW0301UA	T	Water	9060A	
280-30455-7EB	062612UE	T	Water	9060A	
Analysis Batch:280-128608					
LCS 280-128384/1-A	Lab Control Sample	T	Water	351.2	280-128384
LCSD 280-128384/2-A	Lab Control Sample Duplicate	T	Water	351.2	280-128384
MB 280-128384/3-A	Method Blank	T	Water	351.2	280-128384
280-30455-1	LF1M01R11UA	T	Water	351.2	280-128384
280-30455-2	LF1M1411UA	T	Water	351.2	280-128384
280-30455-4	LF1SW0101UA	T	Water	351.2	280-128384
280-30455-5	LF1SW02SMC01UA	T	Water	351.2	280-128384
280-30455-6	LF1SW0301UA	T	Water	351.2	280-128384
280-30455-7EB	062612UE	T	Water	351.2	280-128384

Report Basis
T = Total

Client: FPM Remediations Inc

Job Number: 280-30455-1

Laboratory Chronicle

Lab ID: 280-30455-1 **Client ID:** LF1M01R11UA

Sample Date/Time: 06/26/2012 12:04 Received Date/Time: 06/27/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30455-D-1		280-127015		07/09/2012 14:25	1	TAL DEN	BQW
P:351.2	280-30455-C-1-A		280-128608	280-128384	07/18/2012 19:00	1	TAL DEN	MW
A:351.2	280-30455-C-1-A		280-128608	280-128384	07/20/2012 00:11	1	TAL DEN	MW
A:410.4	280-30455-C-1		280-126498		07/03/2012 10:07	1	TAL DEN	MF
A:9056A	280-30455-B-1		280-125972		06/27/2012 15:54	1	TAL DEN	EK
A:9056A	280-30455-B-1		280-125973		06/27/2012 15:54	1	TAL DEN	EK
A:9060A	280-30455-D-1		280-128577		07/18/2012 23:56	1	TAL DEN	DFB
A:SM 2120B	280-30455-A-1		280-126223		06/27/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30455-A-1		280-126467		07/02/2012 11:59	1	TAL DEN	AJA
A:SM 2340C	280-30455-E-1		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	280-30455-B-1		280-126308		07/02/2012 10:13	1	TAL DEN	BJD
A:SM5210B	280-30455-A-1		280-125739		06/27/2012 13:08	5	TAL DEN	DA

Lab ID: 280-30455-1 MS **Client ID:** LF1M01R11UA

Sample Date/Time: 06/26/2012 12:04 Received Date/Time: 06/27/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30455-D-1 MS		280-127015		07/09/2012 14:37	1	TAL DEN	BQW

Lab ID: 280-30455-1 MSD **Client ID:** LF1M01R11UA

Sample Date/Time: 06/26/2012 12:04 Received Date/Time: 06/27/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30455-D-1 MSD		280-127015		07/09/2012 14:38	1	TAL DEN	BQW

Lab ID: 280-30455-1 DU **Client ID:** LF1M01R11UA

Sample Date/Time: 06/26/2012 12:04 Received Date/Time: 06/27/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2120B	280-30455-A-1 DU		280-126223		06/27/2012 13:00	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30455-1

Laboratory Chronicle

Lab ID: 280-30455-2 **Client ID:** LF1M1411UA

Sample Date/Time: 06/26/2012 10:11 Received Date/Time: 06/27/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30455-D-2		280-127015		07/09/2012 14:40	1	TAL DEN	BQW
P:351.2	280-30455-C-2-A		280-128608	280-128384	07/18/2012 19:00	1	TAL DEN	MW
A:351.2	280-30455-C-2-A		280-128608	280-128384	07/20/2012 00:12	1	TAL DEN	MW
A:410.4	280-30455-C-2		280-126498		07/03/2012 10:07	1	TAL DEN	MF
A:9056A	280-30455-B-2		280-125972		06/27/2012 16:10	1	TAL DEN	EK
A:9056A	280-30455-B-2		280-125973		06/27/2012 16:10	1	TAL DEN	EK
A:9060A	280-30455-D-2		280-128577		07/19/2012 00:52	1	TAL DEN	DFB
A:SM 2120B	280-30455-A-2		280-126223		06/27/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30455-A-2		280-126467		07/02/2012 12:03	1	TAL DEN	AJA
A:SM 2340C	280-30455-E-2		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	280-30455-B-2		280-126308		07/02/2012 10:13	1	TAL DEN	BJD
A:SM5210B	280-30455-A-2		280-125739		06/27/2012 13:10	1	TAL DEN	DA

Lab ID: 280-30455-2 MS **Client ID:** LF1M1411UA

Sample Date/Time: 06/26/2012 10:11 Received Date/Time: 06/27/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:410.4	280-30455-C-2 MS		280-126498		07/03/2012 10:07	1	TAL DEN	MF

Lab ID: 280-30455-2 MSD **Client ID:** LF1M1411UA

Sample Date/Time: 06/26/2012 10:11 Received Date/Time: 06/27/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:410.4	280-30455-C-2 MSD		280-126498		07/03/2012 10:07	1	TAL DEN	MF

Lab ID: 280-30455-3 **Client ID:** LF1M10318UA

Sample Date/Time: 06/26/2012 10:30 Received Date/Time: 06/27/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30455-B-3		280-127122		07/10/2012 08:52	1	TAL DEN	GPM
A:8260B/DoD	280-30455-B-3		280-127122		07/10/2012 08:52	1	TAL DEN	GPM
A:9056A	280-30455-A-3		280-125972		06/27/2012 16:27	1	TAL DEN	EK
A:9056A	280-30455-A-3		280-125973		06/27/2012 16:27	1	TAL DEN	EK
A:SM 2120B	280-30455-A-3		280-126223		06/27/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30455-A-3		280-126467		07/02/2012 12:09	1	TAL DEN	AJA
A:SM 2540C	280-30455-A-3		280-126308		07/02/2012 10:13	1	TAL DEN	BJD

Client: FPM Remediations Inc

Job Number: 280-30455-1

Laboratory Chronicle

Lab ID: 280-30455-4 **Client ID:** LF1SW0101UA

Sample Date/Time: 06/26/2012 11:01 Received Date/Time: 06/27/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30455-H-4		280-127122		07/10/2012 09:14	1	TAL DEN	GPM
A:8260B/DoD	280-30455-H-4		280-127122		07/10/2012 09:14	1	TAL DEN	GPM
A:350.1	280-30455-D-4		280-127015		07/09/2012 14:41	1	TAL DEN	BQW
P:351.2	280-30455-C-4-A		280-128608	280-128384	07/18/2012 19:00	1	TAL DEN	MW
A:351.2	280-30455-C-4-A		280-128608	280-128384	07/20/2012 00:19	1	TAL DEN	MW
A:410.4	280-30455-C-4		280-126498		07/03/2012 10:07	1	TAL DEN	MF
A:9056A	280-30455-B-4		280-125972		06/27/2012 16:44	1	TAL DEN	EK
A:9056A	280-30455-B-4		280-125973		06/27/2012 16:44	1	TAL DEN	EK
A:9060A	280-30455-D-4		280-128577		07/19/2012 01:07	1	TAL DEN	DFB
A:SM 2120B	280-30455-A-4		280-126223		06/27/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30455-A-4		280-126467		07/02/2012 12:14	1	TAL DEN	AJA
A:SM 2340C	280-30455-E-4		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	280-30455-B-4		280-126308		07/02/2012 10:13	1	TAL DEN	BJD
A:SM5210B	280-30455-A-4		280-125739		06/27/2012 13:15	1	TAL DEN	DA

Lab ID: 280-30455-5 **Client ID:** LF1SW02SMC01UA

Sample Date/Time: 06/26/2012 11:45 Received Date/Time: 06/27/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30455-F-5		280-127122		07/10/2012 09:36	1	TAL DEN	GPM
A:8260B/DoD	280-30455-F-5		280-127122		07/10/2012 09:36	1	TAL DEN	GPM
A:350.1	280-30455-D-5		280-127015		07/09/2012 14:43	1	TAL DEN	BQW
P:351.2	280-30455-C-5-A		280-128608	280-128384	07/18/2012 19:00	1	TAL DEN	MW
A:351.2	280-30455-C-5-A		280-128608	280-128384	07/20/2012 00:20	1	TAL DEN	MW
A:410.4	280-30455-C-5		280-126498		07/03/2012 10:07	1	TAL DEN	MF
A:9056A	280-30455-B-5		280-125972		06/27/2012 17:01	1	TAL DEN	EK
A:9056A	280-30455-B-5		280-125973		06/27/2012 17:01	1	TAL DEN	EK
A:9060A	280-30455-D-5		280-128577		07/19/2012 01:25	1	TAL DEN	DFB
A:SM 2120B	280-30455-A-5		280-126223		06/27/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30455-A-5		280-126467		07/02/2012 12:19	1	TAL DEN	AJA
A:SM 2340C	280-30455-E-5		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	280-30455-B-5		280-126308		07/02/2012 10:13	1	TAL DEN	BJD
A:SM5210B	280-30455-A-5		280-125739		06/27/2012 06:59	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30455-1

Laboratory Chronicle

Lab ID: 280-30455-6 **Client ID:** LF1SW0301UA

Sample Date/Time: 06/26/2012 10:35 Received Date/Time: 06/27/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30455-G-6		280-127122		07/10/2012 09:58	1	TAL DEN	GPM
A:8260B/DoD	280-30455-G-6		280-127122		07/10/2012 09:58	1	TAL DEN	GPM
A:350.1	280-30455-D-6		280-127015		07/09/2012 14:44	1	TAL DEN	BQW
P:351.2	280-30455-C-6-A		280-128608	280-128384	07/18/2012 19:00	1	TAL DEN	MW
A:351.2	280-30455-C-6-A		280-128608	280-128384	07/20/2012 00:21	1	TAL DEN	MW
A:410.4	280-30455-C-6		280-126498		07/03/2012 10:07	1	TAL DEN	MF
A:9056A	280-30455-B-6		280-125972		06/27/2012 17:18	1	TAL DEN	EK
A:9056A	280-30455-B-6		280-125973		06/27/2012 17:18	1	TAL DEN	EK
A:9060A	280-30455-D-6		280-128577		07/19/2012 01:41	1	TAL DEN	DFB
A:SM 2120B	280-30455-A-6		280-126223		06/27/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30455-A-6		280-126467		07/02/2012 12:24	1	TAL DEN	AJA
A:SM 2340C	280-30455-E-6		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	280-30455-B-6		280-126308		07/02/2012 10:13	1	TAL DEN	BJD
A:SM5210B	280-30455-A-6		280-125739		06/27/2012 06:59	1	TAL DEN	DA

Lab ID: 280-30455-7 **Client ID:** 062612UE

Sample Date/Time: 06/26/2012 14:15 Received Date/Time: 06/27/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30455-F-7		280-127122		07/10/2012 10:20	1	TAL DEN	GPM
A:8260B/DoD	280-30455-F-7		280-127122		07/10/2012 10:20	1	TAL DEN	GPM
A:350.1	280-30455-D-7		280-127015		07/09/2012 14:46	1	TAL DEN	BQW
P:351.2	280-30455-C-7-A		280-128608	280-128384	07/18/2012 19:00	1	TAL DEN	MW
A:351.2	280-30455-C-7-A		280-128608	280-128384	07/20/2012 00:22	1	TAL DEN	MW
A:410.4	280-30455-C-7		280-126498		07/03/2012 10:07	1	TAL DEN	MF
A:9056A	280-30455-B-7		280-125972		06/27/2012 17:35	1	TAL DEN	EK
A:9056A	280-30455-B-7		280-125973		06/27/2012 17:35	1	TAL DEN	EK
A:9060A	280-30455-D-7		280-128577		07/19/2012 02:00	1	TAL DEN	DFB
A:SM 2120B	280-30455-A-7		280-126223		06/27/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30455-A-7		280-126467		07/02/2012 12:27	1	TAL DEN	AJA
A:SM 2340C	280-30455-E-7		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	280-30455-B-7		280-126308		07/02/2012 10:13	1	TAL DEN	BJD
A:SM5210B	280-30455-A-7		280-125739		06/27/2012 06:59	1	TAL DEN	DA

Lab ID: 280-30455-8 **Client ID:** 062612UF

Sample Date/Time: 06/26/2012 12:01 Received Date/Time: 06/27/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30455-C-8		280-127122		07/10/2012 10:42	1	TAL DEN	GPM
A:8260B/DoD	280-30455-C-8		280-127122		07/10/2012 10:42	1	TAL DEN	GPM

Client: FPM Remediations Inc

Job Number: 280-30455-1

Laboratory Chronicle

Lab ID: 280-30455-9 **Client ID:** 062612UR

Sample Date/Time: 06/26/2012 09:15 Received Date/Time: 06/27/2012 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30455-A-9		280-127122		07/10/2012 11:04	1	TAL DEN	GPM
A:8260B/DoD	280-30455-A-9		280-127122		07/10/2012 11:04	1	TAL DEN	GPM

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 280-127122/5		280-127122		07/10/2012 07:46	1	TAL DEN	GPM
A:8260B/DoD	MB 280-127122/5		280-127122		07/10/2012 07:46	1	TAL DEN	GPM
A:350.1	MB 280-127015/109		280-127015		07/09/2012 13:59	1	TAL DEN	BQW
P:351.2	MB 280-128384/3-A		280-128608	280-128384	07/18/2012 19:00	1	TAL DEN	MW
A:351.2	MB 280-128384/3-A		280-128608	280-128384	07/20/2012 00:04	1	TAL DEN	MW
A:410.4	MB 280-126498/5		280-126498		07/03/2012 10:07	1	TAL DEN	MF
A:9056A	MB 280-125972/15		280-125972		06/27/2012 15:20	1	TAL DEN	EK
A:9056A	MB 280-125973/15		280-125973		06/27/2012 15:20	1	TAL DEN	EK
A:9060A	MB 280-128577/11		280-128577		07/18/2012 22:43	1	TAL DEN	DFB
A:SM 2120B	MB 280-126223/1		280-126223		06/27/2012 13:00	1	TAL DEN	DA
A:SM 2320B	MB 280-126467/6		280-126467		07/02/2012 10:42	1	TAL DEN	AJA
A:SM 2340C	MB 280-128483/1		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	MB 280-126308/1		280-126308		07/02/2012 10:13	1	TAL DEN	BJD
A:SM5210B	MB 280-125739/14		280-125739		06/27/2012 06:59	1	TAL DEN	DA

Lab ID: USB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	USB 280-125739/10		280-125739		06/27/2012 06:59	1	TAL DEN	DA

Lab ID: SCB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	SCB 280-125739/9		280-125739		06/27/2012 06:59	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30455-1

Laboratory Chronicle

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-127122/4		280-127122		07/10/2012 07:24	1	TAL DEN	GPM
A:8260B/DoD	LCS 280-127122/4		280-127122		07/10/2012 07:24	1	TAL DEN	GPM
A:350.1	LCS 280-127015/117		280-127015		07/09/2012 14:11	1	TAL DEN	BQW
P:351.2	LCS 280-128384/1-A		280-128608	280-128384	07/18/2012 19:00	1	TAL DEN	MW
A:351.2	LCS 280-128384/1-A		280-128608	280-128384	07/19/2012 23:59	1	TAL DEN	MW
A:410.4	LCS 280-126498/3		280-126498		07/03/2012 10:07	1	TAL DEN	MF
A:9056A	LCS 280-125972/13		280-125972		06/27/2012 14:46	1	TAL DEN	EK
A:9056A	LCS 280-125973/13		280-125973		06/27/2012 14:46	1	TAL DEN	EK
A:9060A	LCS 280-128577/9		280-128577		07/18/2012 22:05	1	TAL DEN	DFB
A:SM 2320B	LCS 280-126467/4		280-126467		07/02/2012 10:34	1	TAL DEN	AJA
A:SM 2340C	LCS 280-128483/2		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	LCS 280-126308/2		280-126308		07/02/2012 10:13	1	TAL DEN	BJD
A:SM5210B	LCS 280-125739/12		280-125739		06/27/2012 06:59	1	TAL DEN	DA

Lab ID: LCSD **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	LCSD 280-127015/118		280-127015		07/09/2012 14:13	1	TAL DEN	BQW
P:351.2	LCSD 280-128384/2-A		280-128608	280-128384	07/18/2012 19:00	1	TAL DEN	MW
A:351.2	LCSD 280-128384/2-A		280-128608	280-128384	07/20/2012 00:00	1	TAL DEN	MW
A:410.4	LCSD 280-126498/4		280-126498		07/03/2012 10:07	1	TAL DEN	MF
A:9056A	LCSD 280-125972/14		280-125972		06/27/2012 15:03	1	TAL DEN	EK
A:9056A	LCSD 280-125973/14		280-125973		06/27/2012 15:03	1	TAL DEN	EK
A:9060A	LCSD 280-128577/10		280-128577		07/18/2012 22:23	1	TAL DEN	DFB
A:SM 2320B	LCSD 280-126467/5		280-126467		07/02/2012 10:39	1	TAL DEN	AJA
A:SM 2340C	LCSD 280-128483/3		280-128483		07/19/2012 12:25	1	TAL DEN	AJA
A:SM 2540C	LCSD 280-126308/3		280-126308		07/02/2012 10:13	1	TAL DEN	BJD
A:SM5210B	LCSD 280-125739/13		280-125739		06/27/2012 06:59	1	TAL DEN	DA

Lab ID: MRL **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	MRL 280-127015/18		280-127015		07/09/2012 11:42	1	TAL DEN	BQW
A:9056A	MRL 280-125973/11		280-125973		06/27/2012 14:13	1	TAL DEN	EK
A:9056A	MRL 280-125972/12		280-125972		06/27/2012 14:30	1	TAL DEN	EK
A:9056A	MRL 280-125973/12		280-125973		06/27/2012 14:30	1	TAL DEN	EK

Client: FPM Remediations Inc

Job Number: 280-30455-1

Laboratory Chronicle

Lab References:
TAL DEN = TestAmerica Denver

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Alk daily lcs_00256	07/09/12	07/02/12	Di Water, Lot na	1000 mL	Alk stk std_00003	4 mg/L	Alkalinity	200 mg/L
.Alk stk std_00003	02/01/13	Fischer, Lot 110214			(Purchased Reagent)		Alkalinity	50 g/L
BOD Daily LCS_00529	06/27/12	06/27/12	BOD Dilution H20, Lot na	300 mL	BOD LCS INT_00501	6 mg/L	Biochemical Oxygen Demand	198 mg/L
.BOD LCS INT_00501	06/27/12	06/27/12	Di Water, Lot na	1000 mL	BOD Dextrose_00006	4.95 mg/L	Biochemical Oxygen Demand	9900 mg/L
					BOD Glutamic_00008	4.95 mg/L	Biochemical Oxygen Demand	9900 mg/L
..BOD Dextrose_00006	07/31/12	Fisher, Lot 110346			(Purchased Reagent)		Biochemical Oxygen Demand	1 g/g
..BOD Glutamic_00008	11/16/16	Fisher, Lot 103647a			(Purchased Reagent)		Biochemical Oxygen Demand	1 g/g
COD cal std_00014	10/31/13	Ricca, Lot 1204273			(Purchased Reagent)		Chemical Oxygen Demand	1000 mg/L
COD icv std_00009	05/31/13	HACH, Lot A2132			(Purchased Reagent)		Chemical Oxygen Demand	1000 mg/L
cod ms/msd_00006	02/01/13	Chemetrics, Lot 78777			(Purchased Reagent)		Chemical Oxygen Demand	10000 mg/L
Hard lcs std_00022	01/19/14	Lab Chem, Lot B017-22			(Purchased Reagent)		Hardness as calcium carbonate	1.008 mg/mL
IC CAL INT1_00160	07/03/12	06/26/12	Di Water, Lot na	100 mL	IC Br cal_00005	5 mL	Bromide	50 mg/L
					IC CL cal_00008	25 mL	Chloride	250 mg/L
					IC FL cal_00004	5 mL	Fluoride	50 mg/L
					IC N02 CAL_00020	5 mL	Nitrite as N	50 mg/L
					IC N03 cal_00008	5 mL	Nitrate as N	50 mg/L
					IC P04 cal_00008	5 mL	Orthophosphate as P	50 mg/L
					IC sulfatecal_00007	25 mL	Sulfate	250 mg/L
.IC Br cal_00005	07/30/12	Ricca, Lot 4101497			(Purchased Reagent)		Bromide	1000 mg/L
.IC CL cal_00008	09/30/12	Ricca, Lot 1103357			(Purchased Reagent)		Chloride	1000 mg/L
.IC FL cal_00004	11/30/12	Ricca, Lot 4106066			(Purchased Reagent)		Fluoride	1000 mg/L
.IC N02 CAL_00020	08/31/12	RICCA, Lot 1202582			(Purchased Reagent)		Nitrite as N	1000 ppm
.IC N03 cal_00008	11/30/12	Ricca, Lot 1105365			(Purchased Reagent)		Nitrate as N	1000 mg/L
.IC P04 cal_00008	09/30/13	Ricca, Lot 4110047			(Purchased Reagent)		Orthophosphate as P	1000 mg/L
.IC sulfatecal_00007	01/31/13	RICCA, Lot 2108045			(Purchased Reagent)		Sulfate	1000 mg/L
IC daily cal_00825	06/28/12	06/27/12	Di Water, Lot na	100 mL	IC CAL INT1_00160	10 mL	Bromide	5 mg/L
							Chloride	25 mg/L
							Fluoride	5 mg/L
							Nitrite as N	5 mg/L
							Nitrate as N	5 mg/L
							Orthophosphate as P	5 mg/L
							Sulfate	25 mg/L
.IC CAL INT1_00160	07/03/12	06/26/12	Di Water, Lot na	100 mL	IC Br cal_00005	5 mL	Bromide	50 mg/L
					IC CL cal_00008	25 mL	Chloride	250 mg/L
					IC FL cal_00004	5 mL	Fluoride	50 mg/L
					IC N02 CAL_00020	5 mL	Nitrite as N	50 mg/L
					IC N03 cal_00008	5 mL	Nitrate as N	50 mg/L
					IC P04 cal_00008	5 mL	Orthophosphate as P	50 mg/L
					IC sulfatecal_00007	25 mL	Sulfate	250 mg/L
..IC Br cal_00005	07/30/12	Ricca, Lot 4101497			(Purchased Reagent)		Bromide	1000 mg/L
..IC CL cal_00008	09/30/12	Ricca, Lot 1103357			(Purchased Reagent)		Chloride	1000 mg/L
..IC FL cal_00004	11/30/12	Ricca, Lot 4106066			(Purchased Reagent)		Fluoride	1000 mg/L
..IC N02 CAL_00020	08/31/12	RICCA, Lot 1202582			(Purchased Reagent)		Nitrite as N	1000 ppm
..IC N03 cal_00008	11/30/12	Ricca, Lot 1105365			(Purchased Reagent)		Nitrate as N	1000 mg/L
..IC P04 cal_00008	09/30/13	Ricca, Lot 4110047			(Purchased Reagent)		Orthophosphate as P	1000 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..IC sulfatecal_00007	01/31/13	RICCA, Lot 2108045			(Purchased Reagent)		Sulfate	1000 mg/L
IC ICV daily_00825	06/28/12	06/27/12	Di Water, Lot na	25 mL	IC ICV weekly_00154	1 mL	Bromide	2 mg/L
							Chloride	10 mg/L
							Fluoride	2 mg/L
							Nitrite as N	2 mg/L
							Nitrate as N	2 mg/L
							Orthophosphate as P	2 mg/L
							Sulfate	10 mg/L
.IC ICV weekly_00154	07/03/12	06/26/12	Di Water, Lot na	10 mL	IC BR ICV_00005	0.5 mL	Bromide	50 mg/L
					IC CL ICV_00004	2.5 mL	Chloride	250 mg/L
					IC F ICV_00004	0.5 mL	Fluoride	50 mg/L
					IC NO2 ICV_00004	0.5 mL	Nitrite as N	50 mg/L
					IC NO3 ICV_00003	0.5 mL	Nitrate as N	50 mg/L
					IC PO4 ICV_00006	0.5 mL	Orthophosphate as P	50 mg/L
					IC SO4 ICV_00004	2.5 mL	Sulfate	250 mg/L
..IC BR ICV_00005	02/28/13	SPEX, Lot 2-89br-2			(Purchased Reagent)		Bromide	1000 mg/L
..IC CL ICV_00004	07/15/13	LAB CHEM, Lot A195-13			(Purchased Reagent)		Chloride	1000 mg/L
..IC F ICV_00004	03/16/14	LAB CHEM, Lot BO74-27			(Purchased Reagent)		Fluoride	1000 mg/L
..IC NO2 ICV_00004	06/29/13	ERA, Lot 250611			(Purchased Reagent)		Nitrite as N	1000 mg/L
..IC NO3 ICV_00003	11/09/12	LAB CHEM, Lot 0312-12			(Purchased Reagent)		Nitrate as N	1000 mg/L
..IC PO4 ICV_00006	01/17/13	LAB CHEM, Lot A014-13			(Purchased Reagent)		Orthophosphate as P	1000 mg/L
..IC SO4 ICV_00004	07/15/13	LAB CHEM, Lot A195-12			(Purchased Reagent)		Sulfate	1000 mg/L
MV-2 Cleve_00012	10/28/12	04/28/12	P&T Methanol, Lot DE977	10 mL	MV-30265_00015	200 uL	2-Chloroethyl vinyl ether	40 ug/mL
.MV-30265_00015	01/31/16	RESTEK, Lot A079020			(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
MV-524 A_00015	10/31/12	07/02/12	Methanol, Lot dg256	10 mL	MV-DWM589N_00040	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-EPA1208_00028	400 uL	1-Chlorohexane	40 ug/mL
					MV-STS440_00037	200 uL	Methyl tert-butyl ether	40 ug/mL
.MV-DWM589N_00040	11/30/14	Ultra Scientific, Lot CH-3339			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-EPA1208_00028	10/31/12	Ultra Scientific, Lot CF-3752			(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
.MV-STS440_00037	01/31/15	Ultra, Lot cc-4444			(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
MV-624 A_00018	12/19/12	06/19/12	Methanol, Lot DF369	10 mL	MV-30462_00012	0.2 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
					MV-567117_00001	0.2 mL	Carbon disulfide	40 ug/mL
.MV-30462_00012	11/30/13	Restek, Lot A077815			(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
.MV-567117_00001	05/31/14	RESTEK, Lot A088372			(Purchased Reagent)		Carbon disulfide	2000 ug/mL
MV-Acetates_00002	09/30/12	06/21/12	P&T Methanol, Lot DG256	10 mL	MV-cus14016_00002	200 uL	Ethyl acetate	80 ug/mL
							Methyl acetate	200 ug/mL
							Vinyl acetate	80 ug/mL
.MV-cus14016_00002	09/30/12	ULTRA, Lot CJ-2028			(Purchased Reagent)		Ethyl acetate	4000 ug/mL
							Methyl acetate	10000 ug/mL
							Vinyl acetate	4000 ug/mL
MV-Archon IS_00528	01/02/13	Supelco, Lot LB88967			(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorobenzene	250 ug/mL
MV-Archon IS_00529	01/02/13		Supelco, Lot LB88967		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
MV-Archon SS_00666	01/10/13		Restek, Lot A087857		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
MV-Main GasKe_00031	07/30/12	05/22/12	P&T Methanol, Lot DF369	10 mL	MV- Acrolein_00012	100 uL	Acrolein	397.818 ug/mL
					MV-5M06036_00033	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-861149_00048	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
					MV-861149_00049	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
.MV- Acrolein_00012	07/30/12	12/22/11	P&T Methanol, Lot De997	5 mL	MV-48501_00006	0.2038 g	Acrolein	39781.8 ug/mL
..MV-48501_00006	07/30/12		Supelco, Lot LB85669v		(Purchased Reagent)		Acrolein	0.976 mL/mL
.MV-5M06036_00033	11/30/12		Supelco, Lot LB86965		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-861149_00048	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
.MV-861149_00049	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
MV-Main GasKe_00032	11/30/12	07/09/12	P&T Methanol, Lot Dg256	10 mL	MV-5M06036_00035	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MV-861149_00052	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-861149_00053	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
.MV-5M06036_00035	11/30/12		Supelco, Lot LB86965		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-861149_00052	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
.MV-861149_00053	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
MV-Main_00024	12/22/12	06/22/12	P&T Methanol, Lot dg256	10 mL	MV-1-Ch Hex_00009	10 uL	1-Chlorohexane	40.999 ug/mL
					MV-502111_00025	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloroethene, Total	80 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
							Xylenes, Total	120 ug/mL
					MV-506052_00026	200 uL	Iodomethane	40 ug/mL
					MV-861145_00021	200 uL	2-Chloro-1,3-butadiene	40 ug/mL
					MV-CUS11338_00033	500 uL	1,4-Dioxane	2000 ug/mL
							2-Methyl-2-propanol	800 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Isobutyl alcohol	800 ug/mL
							Isopropyl ether	200 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
					MV-CUS11338_00034	500 uL	1,4-Dioxane	2000 ug/mL
							2-Methyl-2-propanol	800 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Isobutyl alcohol	800 ug/mL
							Isopropyl ether	200 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
.MV-1-Ch Hex_00009	12/22/12	06/22/12	P&T Methanol, Lot dg256	5 mL	MV-442258_00003	0.2052 g	1-Chlorohexane	40999 ug/mL
..MV-442258_00003	11/30/14		Supelco, Lot LB89038v		(Purchased Reagent)		1-Chlorohexane	40999 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MV-502111_00025	04/30/13		Supelco, Lot LB83949		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	6000 ug/mL
.MV-506052_00026	01/31/13	Supelco, Lot LB89742			(Purchased Reagent)		Iodomethane	2000 ug/mL
.MV-861145_00021	12/31/12	Supelco, Lot LB88845			(Purchased Reagent)		2-Chloro-1,3-butadiene	2000 ug/mL
.MV-CUS11338_00033	11/30/13	Ultra, Lot CH-3475			(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							2-Methyl-2-propanol	8000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Ethanol	20000 ug/mL
							Isobutyl alcohol	8000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	4000 ug/mL
							Propionitrile	4000 ug/mL
.MV-CUS11338_00034	11/30/13	Ultra, Lot CH-3475			(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							2-Methyl-2-propanol	8000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Ethanol	20000 ug/mL
							Isobutyl alcohol	8000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	4000 ug/mL
							Propionitrile	4000 ug/mL
MV-SecSrc B_00008	10/18/12	04/18/12	P&T Methanol, Lot df233	5 mL	MV-8240CR310x_00015	100 uL	1,4-Dioxane	800 ug/mL
.MV-8240CR310x_00015	10/25/13	AccuStandard, Lot 210041266			(Purchased Reagent)		1,4-Dioxane	40000 ug/mL
MV-SS GasKe_00020	12/01/12	06/01/12	P&T Methanol, Lot De997	10 mL	MV-30006_00035	320 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-5s06036_00018	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MV-30006_00035	04/30/14	Restek, Lot A079446			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
.MV-5s06036_00018	02/28/15	Supelco, Lot LB92231			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MV-SS Supp_00014	12/19/12	05/17/12	P&T Methanol, Lot de997	10 mL	MV-562811_00013	200 uL	Methyl acetate	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MV-564150_00014	200 uL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
.MV-562811_00013	07/31/13		RESTEK, Lot A086189		(Purchased Reagent)		Methyl acetate	10000 ug/mL
.MV-564150_00014	01/30/13		RESTEK, Lot A086228		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
MV-Supp Std_00025	10/02/12	06/19/12	P&T Methanol, Lot DF700	10 mL	MV-2butanol_00004	268 uL	sec-Butyl Alcohol	1199.97 ug/mL
					MV-CUS14015_00001	200 uL	1,1,1-Trifluoro-2,2-dichloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							2-Nitropropane	40 ug/mL
							2-Pentanone	160 ug/mL
							3-Chloro-1-propene	40 ug/mL
							Carbon disulfide	40 ug/mL
							cis-1,4-Dichloro-2-butene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dichlorofluoromethane	40 ug/mL
							Ethyl ether	40 ug/mL
							Ethyl methacrylate	80 ug/mL
							Hexane	40 ug/mL
							Isopropyl alcohol	800 ug/mL
							Methyl methacrylate	80 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							Tert-amyl methyl ether	200 ug/mL
							Tert-butyl ethyl ether	200 ug/mL
							Tetrahydrofuran	80 ug/mL
							trans-1,4-Dichloro-2-butene	40 ug/mL
.MV-2butanol_00004	10/02/12	04/02/12	P&T Methanol, Lot de997	5 mL	MV-294810_00001	0.225 g	sec-Butyl Alcohol	44775 ug/mL
..MV-294810_00001	04/30/13		Supelco, Lot 50296kkv		(Purchased Reagent)		sec-Butyl Alcohol	0.995 mL/mL
.MV-CUS14015_00001	07/31/13		Ultra, Lot CJ-2219		(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							2-Nitropropane	2000 ug/mL
							2-Pentanone	8000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							cis-1,4-Dichloro-2-butene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	4000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexane	2000 ug/mL
							Isopropyl alcohol	40000 ug/mL
							Methyl methacrylate	4000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Tert-amyl methyl ether	10000 ug/mL
							Tert-butyl ethyl ether	10000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
NXN CAL INT_00156	07/16/12	07/09/12	Di Water, Lot NA	100 mL	NH3 CAL STD_00014	10 mg/L	Ammonia	100 mg/L
.NH3 CAL STD_00014	02/28/13		Ricca, Lot 1108313		(Purchased Reagent)		Ammonia	1000 mg/L
NXN ICV INT_00149	07/16/12	07/09/12	Di Water, Lot NA	100 mL	NH3 ICV STD_00011	10 mg/L	Ammonia	100 mg/L
.NH3 ICV STD_00011	01/27/14		LAB CHEM, Lot b025-07		(Purchased Reagent)		Ammonia	1000 mg/L
TDS LCS_00281	10/02/12	07/02/12	Di Water, Lot na	1000 mL	NaCl f_00004	0.5003 g	Total Dissolved Solids	500.3 mg/L
.NaCl f_00004	04/14/21		JT Baker, Lot J48622		(Purchased Reagent)		Total Dissolved Solids	1 g/g
TKN 25ppm_00101	07/19/12	07/18/12	Di Water, Lot 1	100 mL	TKN 100PPM_00009	25 mL	Nitrogen, Kjeldahl	25 mg/L
.TKN 100PPM_00009	09/14/12	07/14/12	Di Water, Lot 1	500 mL	TKN CAL STD_00005	50 mL	Nitrogen, Kjeldahl	100 mg/L
..TKN CAL STD_00005	01/27/14		Lab Chem, Lot B025-07		(Purchased Reagent)		Nitrogen, Kjeldahl	1000 mg/L
TKN ICV_00003	12/31/14		ERA, Lot P200-525		(Purchased Reagent)		Nitrogen, Kjeldahl	9.92 mg/L
TOC ICV Std_00012	01/31/13		Ricca, Lot 1201330		(Purchased Reagent)		Total Organic Carbon - Quad	1000 ppm
TOC LCS Std_00013	11/30/13		Ultra Scientific, Lot M01122		(Purchased Reagent)		Total Organic Carbon - Quad	1000 ppm

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB LF1 LTM

TestAmerica Job ID: 280-30455-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alabama	State Program	4	40730
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAC	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAC	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAC	7	E-10166
TestAmerica Denver	Louisiana	NELAC	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAC	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Hampshire	NELAC	1	205310
TestAmerica Denver	New Jersey	NELAC	2	CO004
TestAmerica Denver	New Mexico	State Program	6	N/A
TestAmerica Denver	New York	NELAC	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAC	10	CO200001
TestAmerica Denver	Pennsylvania	NELAC	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Tennessee	State Program	4	TN02944
TestAmerica Denver	Texas	NELAC	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-08-00036
TestAmerica Denver	Utah	NELAC	8	QUAN5
TestAmerica Denver	Virginia	NELAC	3	
TestAmerica Denver	Washington	State Program	10	C1284
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
LF1M10318UA	280-30455-3	101	97	102	100
LF1SW0101UA	280-30455-4	105	101	108	105
LF1SW02SMC01UA	280-30455-5	104	102	108	105
LF1SW0301UA	280-30455-6	106	99	108	108
062612UE	280-30455-7	103	99	104	102
062612UF	280-30455-8	102	97	103	102
062612UR	280-30455-9	107	102	108	107
	MB 280-127122/5	100	96	102	102
	LCS 280-127122/4	100	103	111	99

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Matrix: Water Level: Low Lab File ID: H4713.D

Lab ID: LCS 280-127122/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.93	99	80-130	
1,1,1-Trichloroethane	5.00	5.18	104	65-130	
1,2,3-Trichloropropane	5.00	4.80	96	75-125	
1,2,3-Trichlorobenzene	5.00	4.50	90	55-140	
1,1-Dichloroethane	5.00	5.47	109	70-135	
1,2,4-Trichlorobenzene	5.00	4.62	92	65-135	
1,2-Dibromo-3-Chloropropane	5.00	4.43 J	89	50-130	
1,1-Dichloropropene	5.00	5.26	105	75-130	
1,1-Dichloroethene	5.00	5.85	117	70-130	
1,1,2-Trichloroethane	5.00	4.92	98	75-125	
1,1,2,2-Tetrachloroethane	5.00	4.74	95	65-130	
1,2,4-Trimethylbenzene	5.00	4.76	95	75-130	
1,2-Dichlorobenzene	5.00	4.86	97	70-120	
1,2-Dichloroethane	5.00	5.45	109	70-130	
1,3-Dichlorobenzene	5.00	4.49	90	75-125	
1,3-Dichloropropane	5.00	5.00	100	75-125	
1,3,5-Trimethylbenzene	5.00	4.86	97	75-130	
2-Butanone (MEK)	20.0	19.8	99	30-150	
1,4-Dichlorobenzene	5.00	5.23	105	75-125	
1,2-Dichloropropane	5.00	5.29	106	75-125	
2,2-Dichloropropane	5.00	5.66	113	70-135	
2-Hexanone	20.0	19.0	95	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	21.4	107	60-135	
4-Isopropyltoluene	5.00	4.75	95	75-130	
Benzene	5.00	5.45	109	80-120	
Acetone	20.0	27.8	139	40-140	
Bromobenzene	5.00	4.65	93	75-125	
Bromoform	5.00	4.90	98	70-130	
Bromomethane	5.00	4.83	97	30-145	
Carbon tetrachloride	5.00	5.08	102	65-140	
Carbon disulfide	5.00	4.42	88	35-160	
2-Chlorotoluene	5.00	4.60	92	75-125	
4-Chlorotoluene	5.00	4.83	97	75-130	
Chlorobenzene	5.00	5.09	102	80-120	
Chlorobromomethane	5.00	5.05	101	65-130	
Chlorodibromomethane	5.00	4.80	96	60-135	
Chloroform	5.00	5.16	103	65-135	
Chloroethane	5.00	5.23	105	60-135	
Chloromethane	5.00	5.40	108	40-125	
cis-1,2-Dichloroethene	5.00	5.17	103	70-125	
cis-1,3-Dichloropropene	5.00	5.28	106	70-130	
Dibromomethane	5.00	5.09	102	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Matrix: Water Level: Low Lab File ID: H4713.D

Lab ID: LCS 280-127122/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorobromomethane	5.00	5.14	103	75-120	
Dichlorodifluoromethane	5.00	3.71	74	30-155	
Ethylbenzene	5.00	5.20	104	75-125	
Hexachlorobutadiene	5.00	5.00	100	50-140	
Isopropylbenzene	5.00	4.79	96	75-125	
Ethylene Dibromide	5.00	4.69	94	80-120	
Methylene Chloride	5.00	3.74 J	75	55-140	
Methyl tert-butyl ether	5.00	4.51 J	90	65-125	
m-Xylene & p-Xylene	10.0	10.3	103	75-130	
Naphthalene	5.00	4.75	95	55-140	
n-Butylbenzene	5.00	5.05	101	70-135	
N-Propylbenzene	5.00	4.62	92	70-130	
o-Xylene	5.00	5.04	101	80-120	
Styrene	5.00	5.10	102	65-135	
sec-Butylbenzene	5.00	4.94	99	70-125	
tert-Butylbenzene	5.00	4.75	95	70-130	
trans-1,2-Dichloroethene	5.00	5.46	109	60-140	
trans-1,3-Dichloropropene	5.00	5.25	105	55-140	
Tetrachloroethene	5.00	5.11	102	45-150	
Toluene	5.00	5.39	108	75-120	
Trichloroethene	5.00	5.15	103	70-125	
Trichlorofluoromethane	5.00	4.72	94	60-145	
Vinyl chloride	5.00	5.07	101	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Lab File ID: H4714.D Lab Sample ID: MB 280-127122/5

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: MSV_H Date Analyzed: 07/10/2012 07:46

GC Column: DB-624 (75.53) ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-127122/4	H4713.D	07/10/2012 07:24
LF1M10318UA	280-30455-3	H4717.D	07/10/2012 08:52
LF1SW0101UA	280-30455-4	H4718.D	07/10/2012 09:14
LF1SW02SMC01UA	280-30455-5	H4719.D	07/10/2012 09:36
LF1SW0301UA	280-30455-6	H4720.D	07/10/2012 09:58
062612UE	280-30455-7	H4721.D	07/10/2012 10:20
062612UF	280-30455-8	H4722.D	07/10/2012 10:42
062612UR	280-30455-9	H4723.D	07/10/2012 11:04

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Lab File ID: H4454.D BFB Injection Date: 07/02/2012

Instrument ID: MSV_H BFB Injection Time: 12:21

Analysis Batch No.: 126680

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	44.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	71.4	
175	5.0 - 9.0 % of mass 174	5.7	(8.0)1
176	95.0 - 101.0 % of mass 174	72.0	(100.8)1
177	5.0 - 9.0 % of mass 176	5.1	(7.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-126680/2	H4455.D	07/02/2012	12:30
	IC 280-126680/3	H4456.D	07/02/2012	12:52
	IC 280-126680/4	H4457.D	07/02/2012	13:15
	IC 280-126680/5	H4458.D	07/02/2012	13:37
	IC 280-126680/6	H4459.D	07/02/2012	13:59
	IC 280-126680/7	H4460.D	07/02/2012	14:21
	IC 280-126680/8	H4461.D	07/02/2012	14:44
	ICV 280-126680/9	H4462.D	07/02/2012	15:06
	ICV 280-126680/10	H4463.D	07/02/2012	15:28
	ICV 280-126680/11	H4464.D	07/02/2012	15:51

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Lab File ID: H4675.D BFB Injection Date: 07/09/2012

Instrument ID: MSV_H BFB Injection Time: 12:26

Analysis Batch No.: 127058

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.9	
75	30.0 - 60.0 % of mass 95	44.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	76.7	
175	5.0 - 9.0 % of mass 174	6.4	(8.4)1
176	95.0 - 101.0 % of mass 174	74.2	(96.8)1
177	5.0 - 9.0 % of mass 176	5.6	(7.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-127058/3	H4677.D	07/09/2012	12:58
	IC 280-127058/4	H4678.D	07/09/2012	13:20
	IC 280-127058/5	H4679.D	07/09/2012	13:42
	ICIS 280-127058/6	H4680.D	07/09/2012	14:04
	IC 280-127058/7	H4681.D	07/09/2012	14:26
	IC 280-127058/8	H4682.D	07/09/2012	14:48
	ICV 280-127058/9	H4683.D	07/09/2012	15:10

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Lab File ID: H4710.D BFB Injection Date: 07/10/2012

Instrument ID: MSV_H BFB Injection Time: 06:32

Analysis Batch No.: 127122

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.2	
75	30.0 - 60.0 % of mass 95	43.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	74.5	
175	5.0 - 9.0 % of mass 174	6.1	(8.2)1
176	95.0 - 101.0 % of mass 174	71.8	(96.4)1
177	5.0 - 9.0 % of mass 176	4.9	(6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-127122/2	H4711.D	07/10/2012	06:40
	CCV 280-127122/3	H4712.D	07/10/2012	07:02
	LCS 280-127122/4	H4713.D	07/10/2012	07:24
	MB 280-127122/5	H4714.D	07/10/2012	07:46
LF1M10318UA	280-30455-3	H4717.D	07/10/2012	08:52
LF1SW0101UA	280-30455-4	H4718.D	07/10/2012	09:14
LF1SW02SMC01UA	280-30455-5	H4719.D	07/10/2012	09:36
LF1SW0301UA	280-30455-6	H4720.D	07/10/2012	09:58
062612UE	280-30455-7	H4721.D	07/10/2012	10:20
062612UF	280-30455-8	H4722.D	07/10/2012	10:42
062612UR	280-30455-9	H4723.D	07/10/2012	11:04

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Sample No.: ICIS 280-127058/6 Date Analyzed: 07/09/2012 14:04

Instrument ID: MSV_H GC Column: DB-624 (75.53) ID: 0.53(mm)

Lab File ID (Standard): H4680.D Heated Purge: (Y/N) N

Calibration ID: 9932

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1108145	7.60	268547	11.93	421450	14.74
UPPER LIMIT		2216290	8.10	537094	12.43	842900	15.24
LOWER LIMIT		554073	7.10	134274	11.43	210725	14.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-127058/9		1201727	7.59	303898	11.95	463548	14.73
CCV 280-127122/2		1127063	7.58	269459	11.92	442680	14.72
CCV 280-127122/3		1172250	7.58	305909	11.93	443073	14.73
LCS 280-127122/4		1165379	7.58	278237	11.93	450134	14.73
MB 280-127122/5		1183895	7.58	297219	11.94	443282	14.72
280-30455-3	LF1M10318UA	1182870	7.58	304698	11.94	453580	14.72
280-30455-4	LF1SW0101UA	1181525	7.59	299500	11.93	445953	14.73
280-30455-5	LF1SW02SMC01UA	1237227	7.58	307669	11.94	464585	14.74
280-30455-6	LF1SW0301UA	1230846	7.59	308884	11.95	466627	14.73
280-30455-7	062612UE	1189816	7.59	304746	11.95	457516	14.73
280-30455-8	062612UF	1222457	7.60	312674	11.93	466785	14.74
280-30455-9	062612UR	1151762	7.59	297884	11.95	442591	14.73

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: LF1M10318UA | Lab Sample ID: 280-30455-3

Matrix: Water | Lab File ID: H4717.D

Analysis Method: 8260B/DoD | Date Collected: 06/26/2012 10:30

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 08:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	13		10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: LF1M10318UA | Lab Sample ID: 280-30455-3

Matrix: Water | Lab File ID: H4717.D

Analysis Method: 8260B/DoD | Date Collected: 06/26/2012 10:30

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 08:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.33	J	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Client Sample ID: LF1M10318UA Lab Sample ID: 280-30455-3

Matrix: Water Lab File ID: H4717.D

Analysis Method: 8260B/DoD Date Collected: 06/26/2012 10:30

Sample wt/vol: 20(mL) Date Analyzed: 07/10/2012 08:52

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 127122 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		70-120
460-00-4	4-Bromofluorobenzene (Surr)	100		75-120
1868-53-7	Dibromofluoromethane (Surr)	101		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\071012.B\H4717.D
Lab Smp Id: 280-30455-B-3 Client Smp ID: LF1M10318UA
Inj Date : 10-JUL-2012 08:52
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30455-B-3,,ph<2
Misc Info : 280-30455-B-3
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\071012.B\8260B-H2O.m
Meth Date : 10-Jul-2012 06:51 meierg Quant Type: ISTD
Cal Date : 09-JUL-2012 14:48 Cal File: H4682.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.583	7.593	(1.000)	1182870	12.5000	
* 86	Chlorobenzene-d5	119	11.935	11.946	(1.000)	304698	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.721	14.731	(1.000)	453580	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.747	6.758	(0.890)	563982	9.07572	9.07572
$ 57	1,2-Dichloroethane-d4	65	7.182	7.176	(0.947)	213953	8.72318	8.72318
$ 75	Toluene-d8	98	9.724	9.735	(0.815)	1116056	9.14021	9.14021
$ 98	4-Bromofluorobenzene (Surr)	95	13.432	13.443	(0.912)	530404	9.03486	9.03486
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 2	Xylene (total)	106	Compound Not Detected.					
6	dichlorodifluoromethane	85	Compound Not Detected.					
7	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
8	Chloromethane	50	2.830	2.829	(0.373)	7943	0.33392	0.333921(a)
9	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
17	Ethyl Ether	59	3.875	3.868	(0.511)	9573	0.40313	0.403134(a)
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	4.205	4.187	(0.555)	28549	13.2098	13.2098
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85 1,2-Dibromoethane	107	Compound Not Detected.					
87 1-Chlorohexane	91	Compound Not Detected.					
88 Chlorobenzene	112	Compound Not Detected.					
89 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90 Ethylbenzene	106	Compound Not Detected.					
91 m and p-Xylene	106	Compound Not Detected.					
92 o-Xylene	106	Compound Not Detected.					
93 Styrene	104	Compound Not Detected.					
94 Bromoform	173	Compound Not Detected.					
95 isopropyl benzene	105	Compound Not Detected.					
96 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	Compound Not Detected.					
100 Bromobenzene	156	Compound Not Detected.					
99 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101 1,2,3-Trichloropropane	110	Compound Not Detected.					
102 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103 n-Propylbenzene	120	Compound Not Detected.					
104 2-Chlorotoluene	126	Compound Not Detected.					
105 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106 4-Chlorotoluene	126	Compound Not Detected.					
107 tert-Butylbenzene	119	Compound Not Detected.					
108 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109 sec-Butylbenzene	134	Compound Not Detected.					
110 1,3-Dichlorobenzene	146	Compound Not Detected.					
111 4-Isopropyltoluene	119	Compound Not Detected.					
113 1,4-dichlorobenzene	146	Compound Not Detected.					
115 n-Butylbenzene	91	Compound Not Detected.					
116 1,2-Dichlorobenzene	146	Compound Not Detected.					
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119 Hexachlorobutadiene	225	Compound Not Detected.					
120 Naphthalene	128	Compound Not Detected.					
121 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

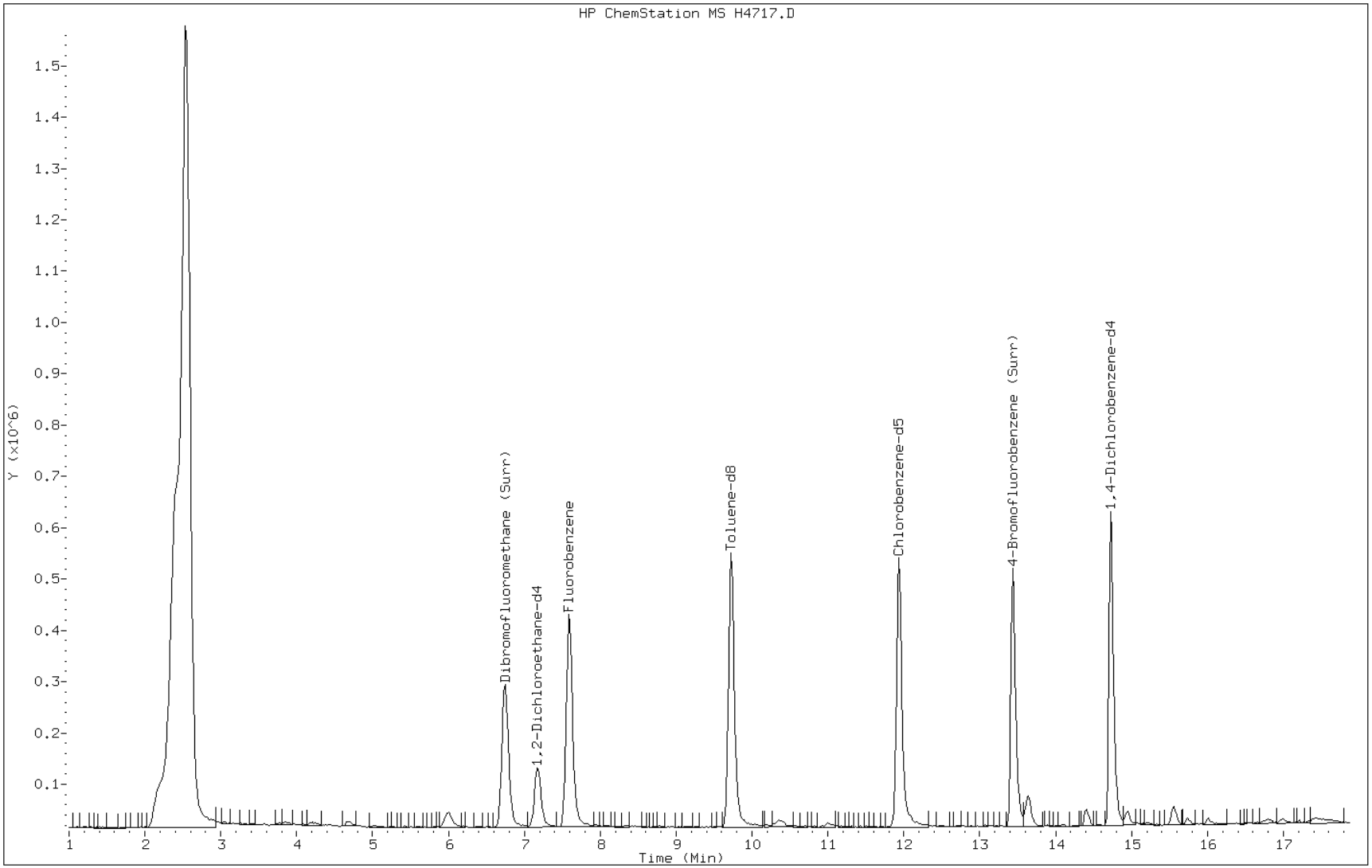
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: H4717.D

Date: 10-JUL-2012 08:52

Client ID: LF1M10318UA Instrument: H.i

Sample Info: 280-30455-B-3,,ph<2 Operator: MEIERG



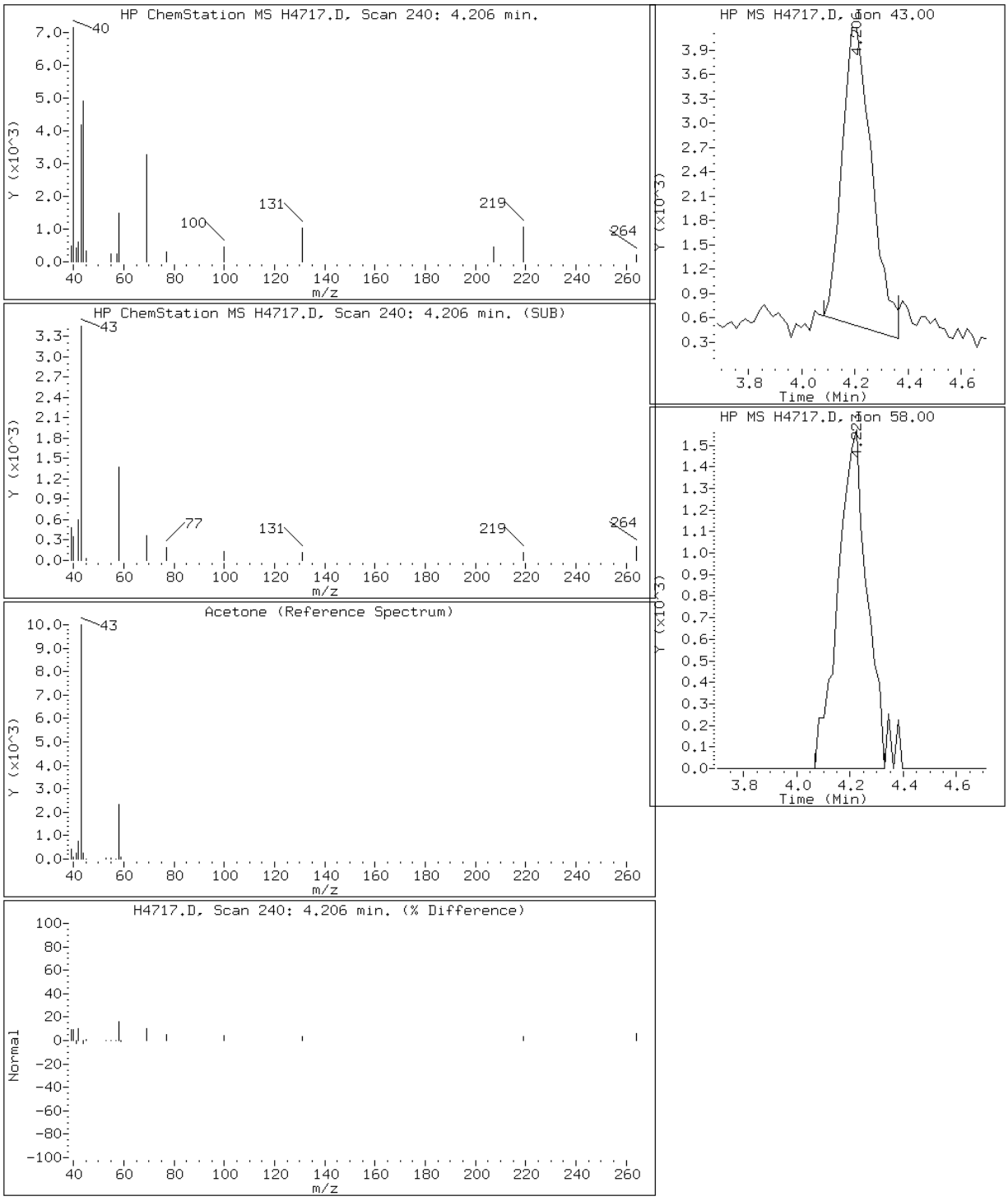
Data File: H4717.D

Date: 10-JUL-2012 08:52

Client ID: LF1M10318UA Instrument: H.i

Sample Info: 280-30455-B-3,,ph<2 Operator: MEIERG

22 Acetone



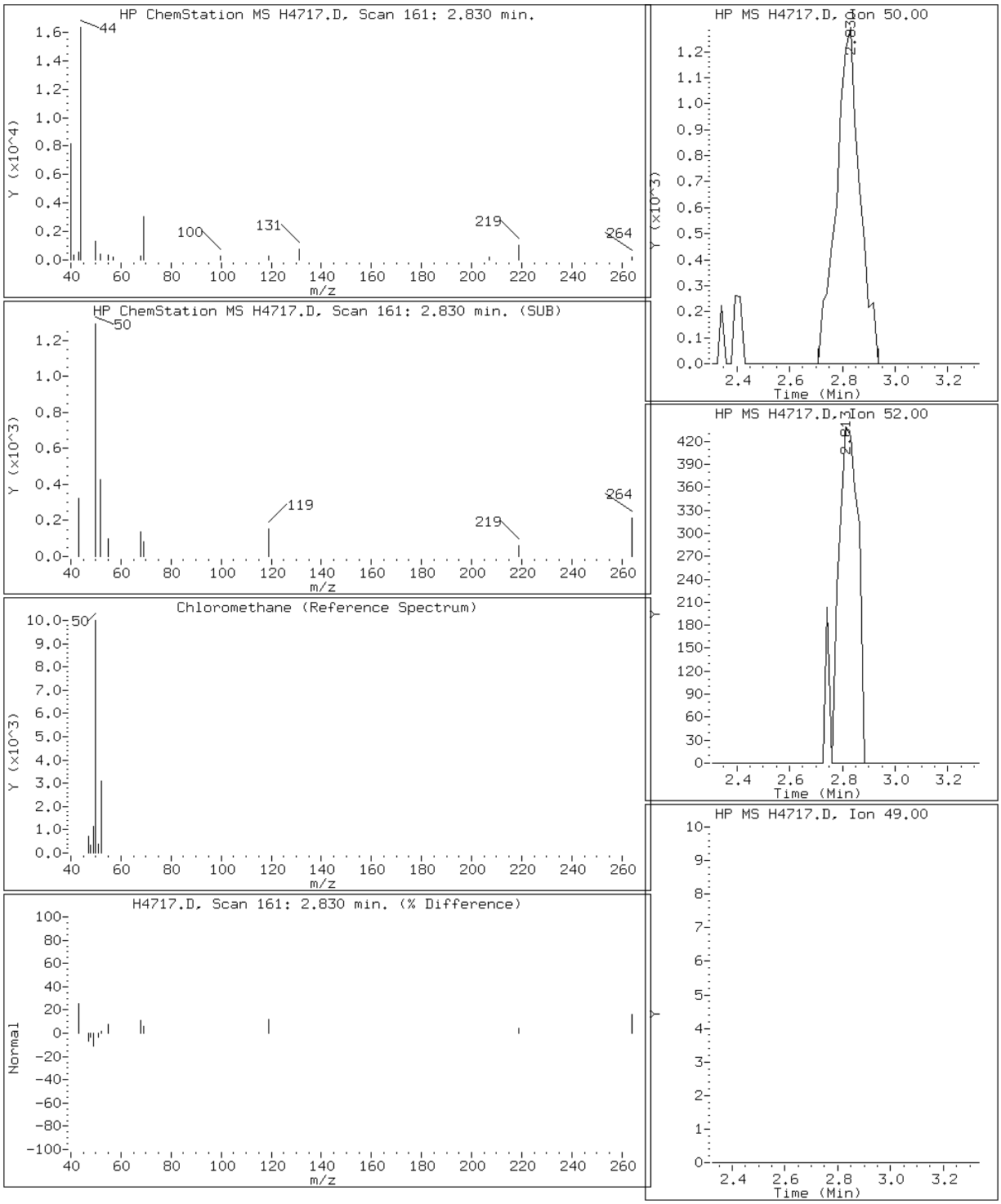
Data File: H4717.D

Date: 10-JUL-2012 08:52

Client ID: LF1M10318UA Instrument: H.i

Sample Info: 280-30455-B-3,,ph<2 Operator: MEIERG

8 Chloromethane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: LF1SW0101UA | Lab Sample ID: 280-30455-4

Matrix: Water | Lab File ID: H4718.D

Analysis Method: 8260B/DoD | Date Collected: 06/26/2012 11:01

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 09:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: LF1SW0101UA | Lab Sample ID: 280-30455-4

Matrix: Water | Lab File ID: H4718.D

Analysis Method: 8260B/DoD | Date Collected: 06/26/2012 11:01

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 09:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.29	J	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Client Sample ID: LF1SW0101UA Lab Sample ID: 280-30455-4

Matrix: Water Lab File ID: H4718.D

Analysis Method: 8260B/DoD Date Collected: 06/26/2012 11:01

Sample wt/vol: 20(mL) Date Analyzed: 07/10/2012 09:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 127122 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	108		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-120
460-00-4	4-Bromofluorobenzene (Surr)	105		75-120
1868-53-7	Dibromofluoromethane (Surr)	105		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\071012.B\H4718.D
Lab Smp Id: 280-30455-H-4 Client Smp ID: LF1SW0101UA
Inj Date : 10-JUL-2012 09:14
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30455-H-4,,ph<2
Misc Info : 280-30455-H-4
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\071012.B\8260B-H2O.m
Meth Date : 10-Jul-2012 10:48 H.i Quant Type: ISTD
Cal Date : 09-JUL-2012 14:48 Cal File: H4682.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
*	61 Fluorobenzene	96	7.594	7.576	(1.000)	1181525	12.5000	
*	86 Chlorobenzene-d5	119	11.929	11.928	(1.000)	299500	12.5000	
*	112 1,4-Dichlorobenzene-d4	152	14.731	14.731	(1.000)	445953	12.5000	
$	51 Dibromofluoromethane (Surr)	111	6.741	6.740	(0.888)	587162	9.45949	9.45949
$	57 1,2-Dichloroethane-d4	65	7.176	7.158	(0.945)	221818	9.05414	9.05414
$	75 Toluene-d8	98	9.718	9.717	(0.815)	1164318	9.70095	9.70095
$	98 4-Bromofluorobenzene (Surr)	95	13.443	13.425	(0.913)	543908	9.42334	9.42334
M	1 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	2 Xylene (total)	106	Compound Not Detected.					
	6 dichlorodifluoromethane	85	Compound Not Detected.					
	7 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	8 Chloromethane	50	Compound Not Detected.					
	9 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	17 Ethyl Ether	59	Compound Not Detected.					
	18 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
	19 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
	20 Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	9.822	9.810	(1.293)	31387	0.28664	0.286644(a)
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85 1,2-Dibromoethane	107	Compound Not Detected.					
87 1-Chlorohexane	91	Compound Not Detected.					
88 Chlorobenzene	112	Compound Not Detected.					
89 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90 Ethylbenzene	106	Compound Not Detected.					
91 m and p-Xylene	106	Compound Not Detected.					
92 o-Xylene	106	Compound Not Detected.					
93 Styrene	104	Compound Not Detected.					
94 Bromoform	173	Compound Not Detected.					
95 isopropyl benzene	105	Compound Not Detected.					
96 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	Compound Not Detected.					
100 Bromobenzene	156	Compound Not Detected.					
99 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101 1,2,3-Trichloropropane	110	Compound Not Detected.					
102 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103 n-Propylbenzene	120	Compound Not Detected.					
104 2-Chlorotoluene	126	Compound Not Detected.					
105 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106 4-Chlorotoluene	126	Compound Not Detected.					
107 tert-Butylbenzene	119	Compound Not Detected.					
108 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109 sec-Butylbenzene	134	Compound Not Detected.					
110 1,3-Dichlorobenzene	146	Compound Not Detected.					
111 4-Isopropyltoluene	119	Compound Not Detected.					
113 1,4-dichlorobenzene	146	Compound Not Detected.					
115 n-Butylbenzene	91	Compound Not Detected.					
116 1,2-Dichlorobenzene	146	Compound Not Detected.					
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119 Hexachlorobutadiene	225	Compound Not Detected.					
120 Naphthalene	128	Compound Not Detected.					
121 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

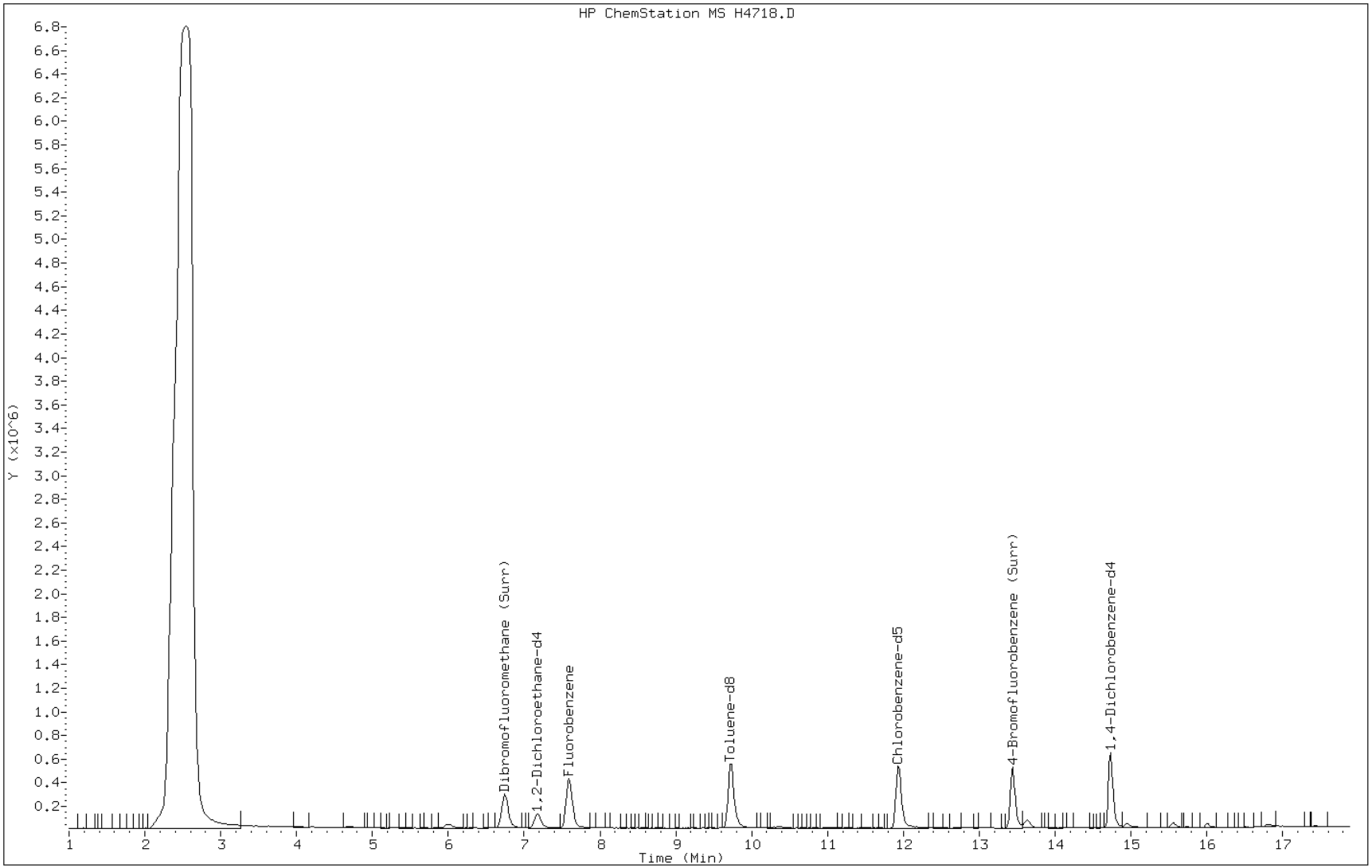
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: H4718.D

Date: 10-JUL-2012 09:14

Client ID: LF1SW0101UA Instrument: H.i

Sample Info: 280-30455-H-4,,ph<2 Operator: MEIERG



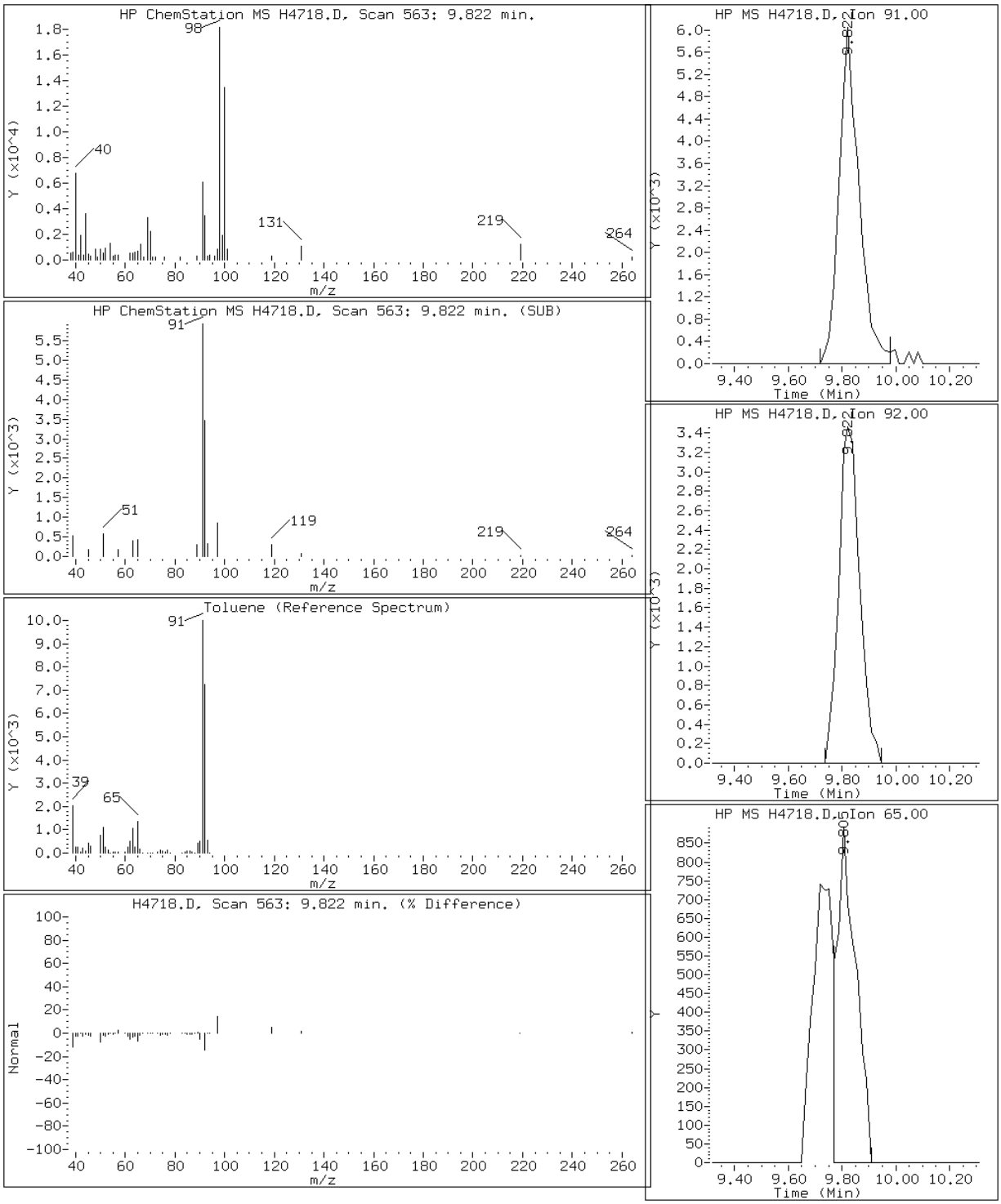
Data File: H4718.D

Date: 10-JUL-2012 09:14

Client ID: LF1SW0101UA Instrument: H.i

Sample Info: 280-30455-H-4,,ph<2 Operator: MEIERG

76 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: LF1SW02SMC01UA | Lab Sample ID: 280-30455-5

Matrix: Water | Lab File ID: H4719.D

Analysis Method: 8260B/DoD | Date Collected: 06/26/2012 11:45

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 09:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.19	J	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.55	J	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	2.7		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.42	J	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	2.2		1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: LF1SW02SMC01UA | Lab Sample ID: 280-30455-5

Matrix: Water | Lab File ID: H4719.D

Analysis Method: 8260B/DoD | Date Collected: 06/26/2012 11:45

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 09:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.34	J	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	1.8	J	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	1.8	J	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Client Sample ID: LF1SW02SMC01UA Lab Sample ID: 280-30455-5

Matrix: Water Lab File ID: H4719.D

Analysis Method: 8260B/DoD Date Collected: 06/26/2012 11:45

Sample wt/vol: 20(mL) Date Analyzed: 07/10/2012 09:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 127122 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	108		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-120
460-00-4	4-Bromofluorobenzene (Surr)	105		75-120
1868-53-7	Dibromofluoromethane (Surr)	104		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\071012.B\H4719.D
Lab Smp Id: 280-30455-F-5 Client Smp ID: LF1SW02SMC01UA
Inj Date : 10-JUL-2012 09:36
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30455-F-5,,ph<2
Misc Info : 280-30455-F-5
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\071012.B\8260B-H2O.m
Meth Date : 10-Jul-2012 10:48 H.i Quant Type: ISTD
Cal Date : 09-JUL-2012 14:48 Cal File: H4682.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.583	7.576	(1.000)	1237227	12.5000	
* 86	Chlorobenzene-d5	119	11.935	11.928	(1.000)	307669	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.738	14.731	(1.000)	464585	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.747	6.740	(0.890)	609506	9.37738	9.37738
$ 57	1,2-Dichloroethane-d4	65	7.183	7.158	(0.947)	234602	9.14483	9.14483
$ 75	Toluene-d8	98	9.724	9.717	(0.815)	1195261	9.69435	9.69435
$ 98	4-Bromofluorobenzene (Surr)	95	13.433	13.425	(0.911)	566795	9.42604	9.42604
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 2	Xylene (total)	106	Compound Not Detected.					
6	dichlorodifluoromethane	85	Compound Not Detected.					
7	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
8	Chloromethane	50	Compound Not Detected.					
9	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
17	Ethyl Ether	59	3.857	3.850	(0.509)	24075	0.96929	0.969294(a)
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	5.459	5.457	(0.720)	5629	0.08893	0.0889349(a)
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	6.869	6.845	(0.906)	131454	1.84017	1.84017(aQ)
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	7.252	7.233	(0.956)	43069	0.41663	0.416626(Q)
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	8.314	8.324	(1.096)	110177	1.75028	1.75028
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	9.829	9.810	(1.296)	38907	0.33932	0.339324(aQ)
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

						CONCENTRATIONS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
85 1,2-Dibromoethane	107	Compound Not Detected.					
87 1-Chlorohexane	91	Compound Not Detected.					
88 Chlorobenzene	112	11.970	11.969	(1.003)	205285	2.24798	2.24798
89 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90 Ethylbenzene	106	Compound Not Detected.					
91 m and p-Xylene	106	Compound Not Detected.					
92 o-Xylene	106	Compound Not Detected.					
93 Styrene	104	Compound Not Detected.					
94 Bromoform	173	Compound Not Detected.					
95 isopropyl benzene	105	13.241	13.222	(0.898)	28127	0.17452	0.174525(a)
96 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	Compound Not Detected.					
100 Bromobenzene	156	Compound Not Detected.					
99 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101 1,2,3-Trichloropropane	110	Compound Not Detected.					
102 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103 n-Propylbenzene	120	Compound Not Detected.					
104 2-Chlorotoluene	126	Compound Not Detected.					
105 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106 4-Chlorotoluene	126	Compound Not Detected.					
107 tert-Butylbenzene	119	14.286	14.284	(0.969)	21548	0.15182	0.151824(a)
108 1,2,4-Trimethylbenzene	105	14.338	14.336	(0.973)	21286	0.18629	0.186291(a)
109 sec-Butylbenzene	134	Compound Not Detected.					
110 1,3-Dichlorobenzene	146	Compound Not Detected.					
111 4-Isopropyltoluene	119	Compound Not Detected.					
113 1,4-dichlorobenzene	146	14.756	14.737	(1.001)	230385	2.67325	2.67325
115 n-Butylbenzene	91	Compound Not Detected.					
116 1,2-Dichlorobenzene	146	15.139	15.137	(1.027)	34351	0.54542	0.545421(a)
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119 Hexachlorobutadiene	225	Compound Not Detected.					
120 Naphthalene	128	Compound Not Detected.					
121 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

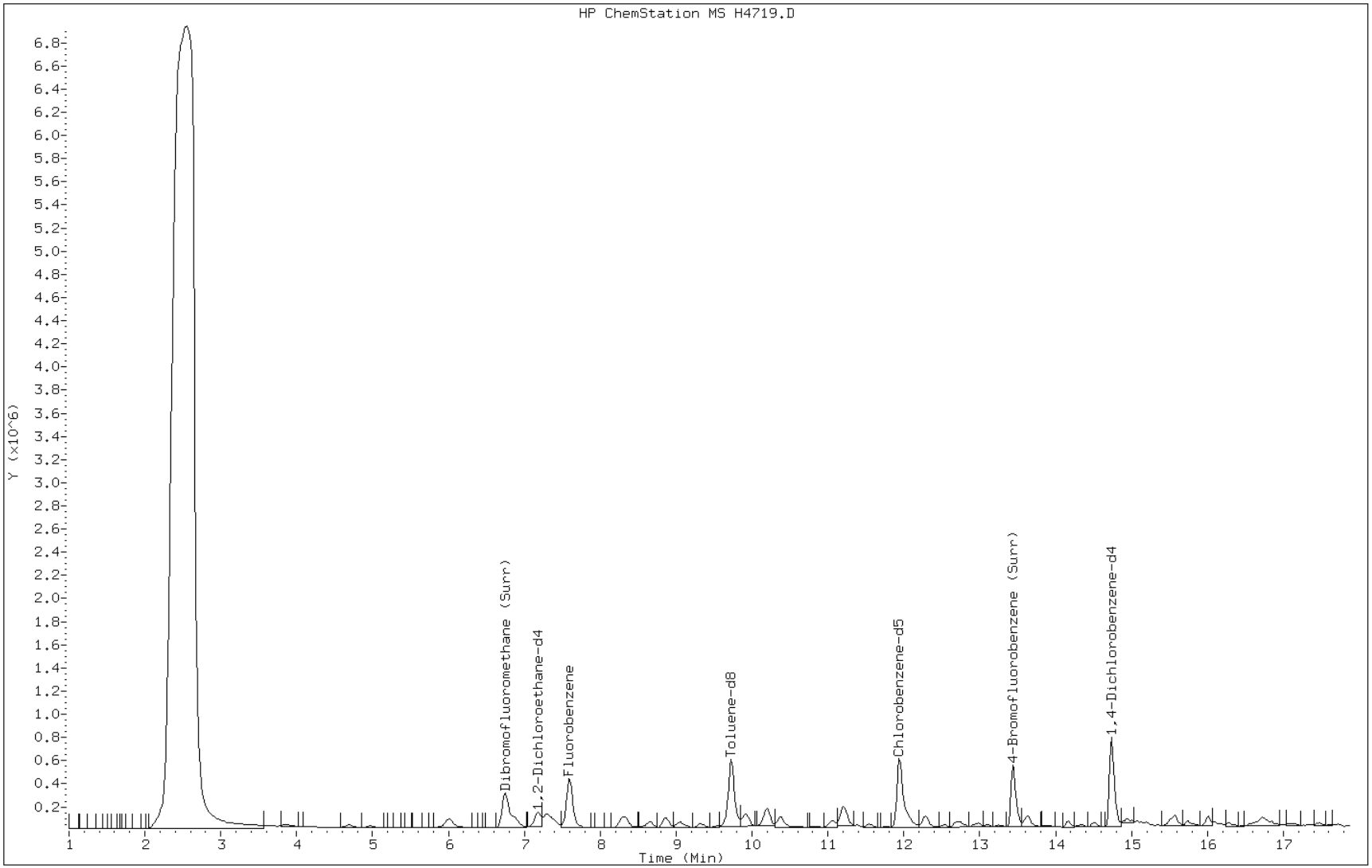
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: H4719.D

Date: 10-JUL-2012 09:36

Client ID: LF1SW02SMC01UA Instrument: H.i

Sample Info: 280-30455-F-5,,ph<2 Operator: MEIERG



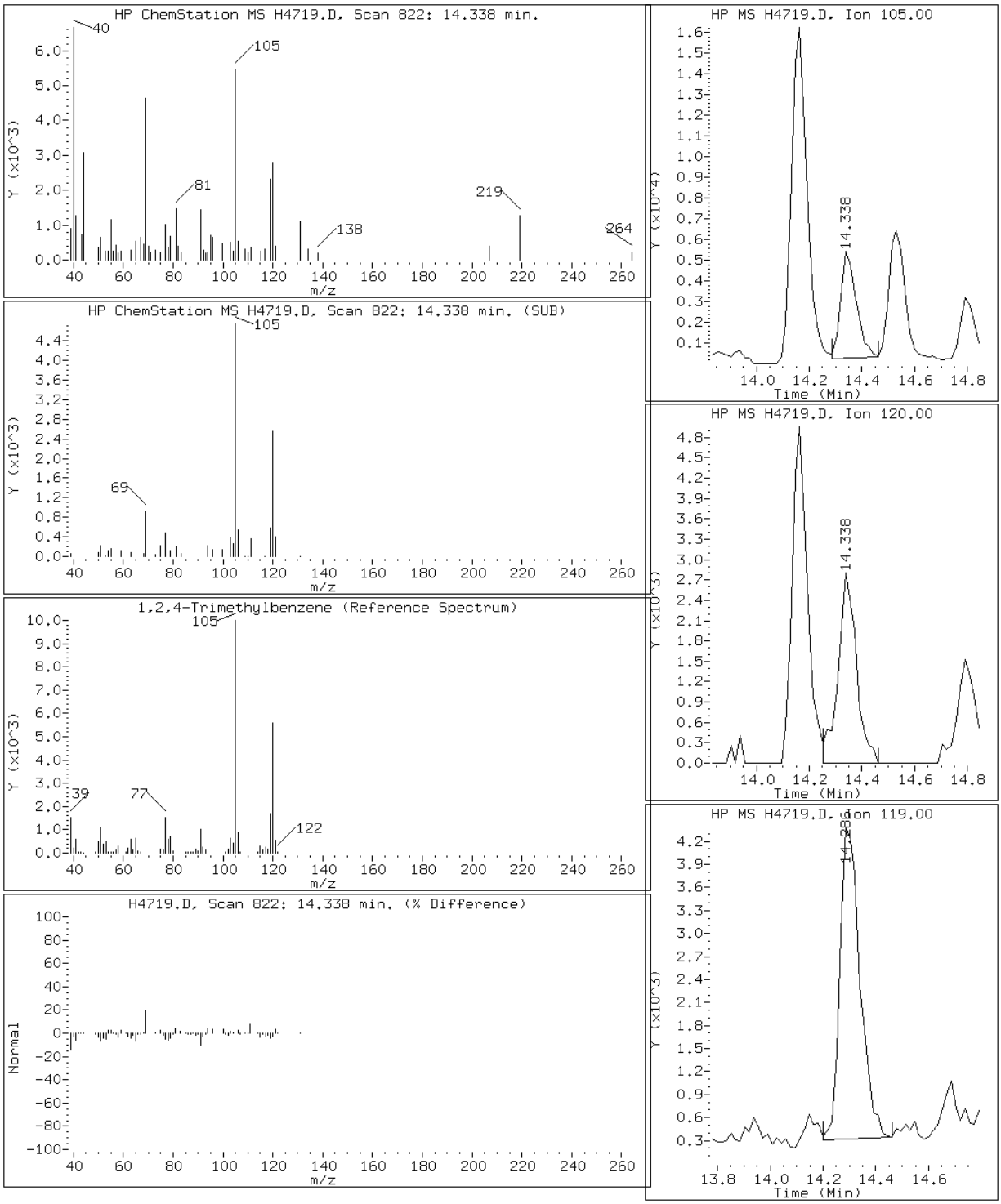
Data File: H4719.D

Date: 10-JUL-2012 09:36

Client ID: LF1SW02SMC01UA Instrument: H.i

Sample Info: 280-30455-F-5,,ph<2 Operator: MEIERG

108 1,2,4-Trimethylbenzene



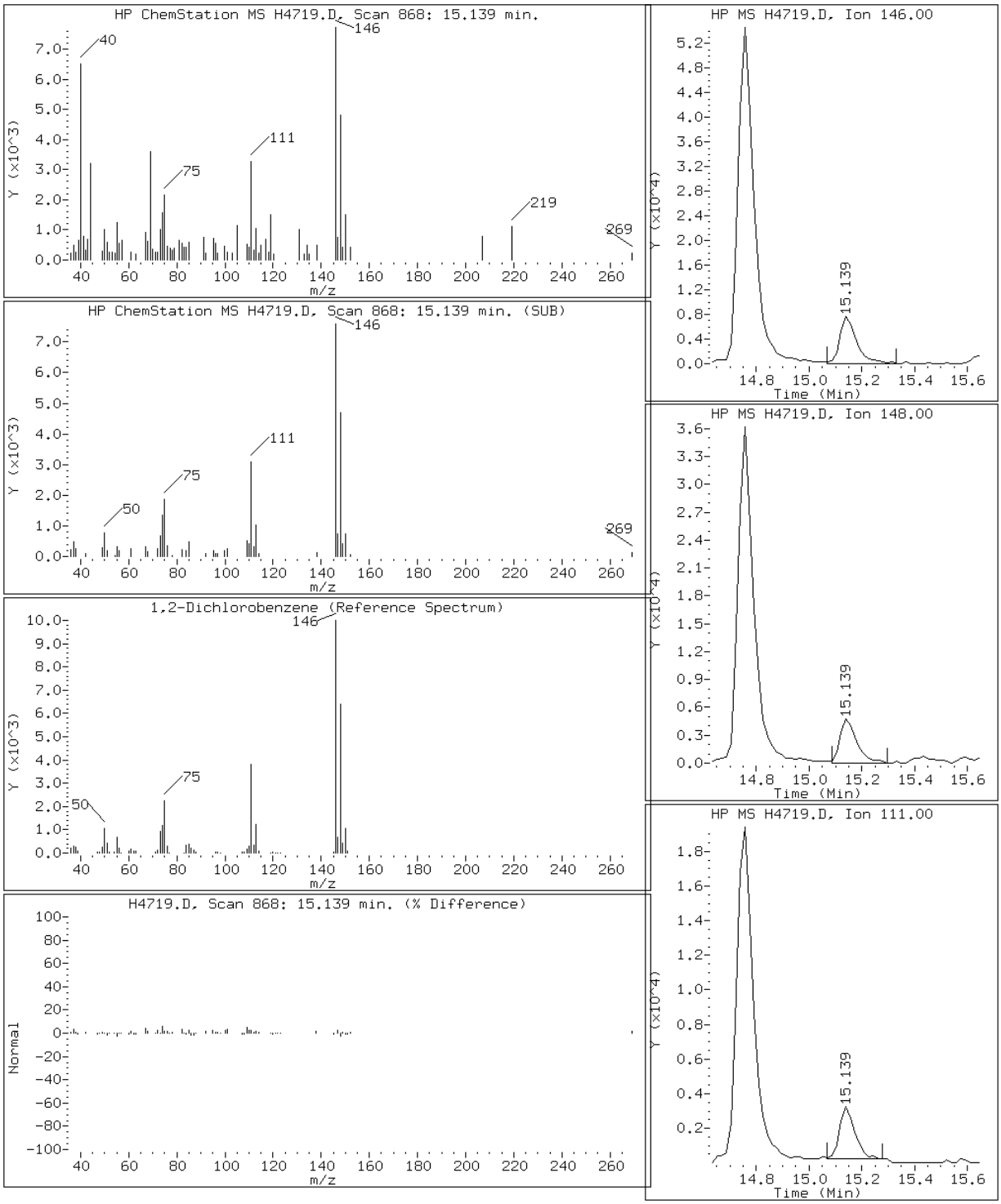
Data File: H4719.D

Date: 10-JUL-2012 09:36

Client ID: LF1SW02SMC01UA Instrument: H.i

Sample Info: 280-30455-F-5,,ph<2 Operator: MEIERG

116 1,2-Dichlorobenzene



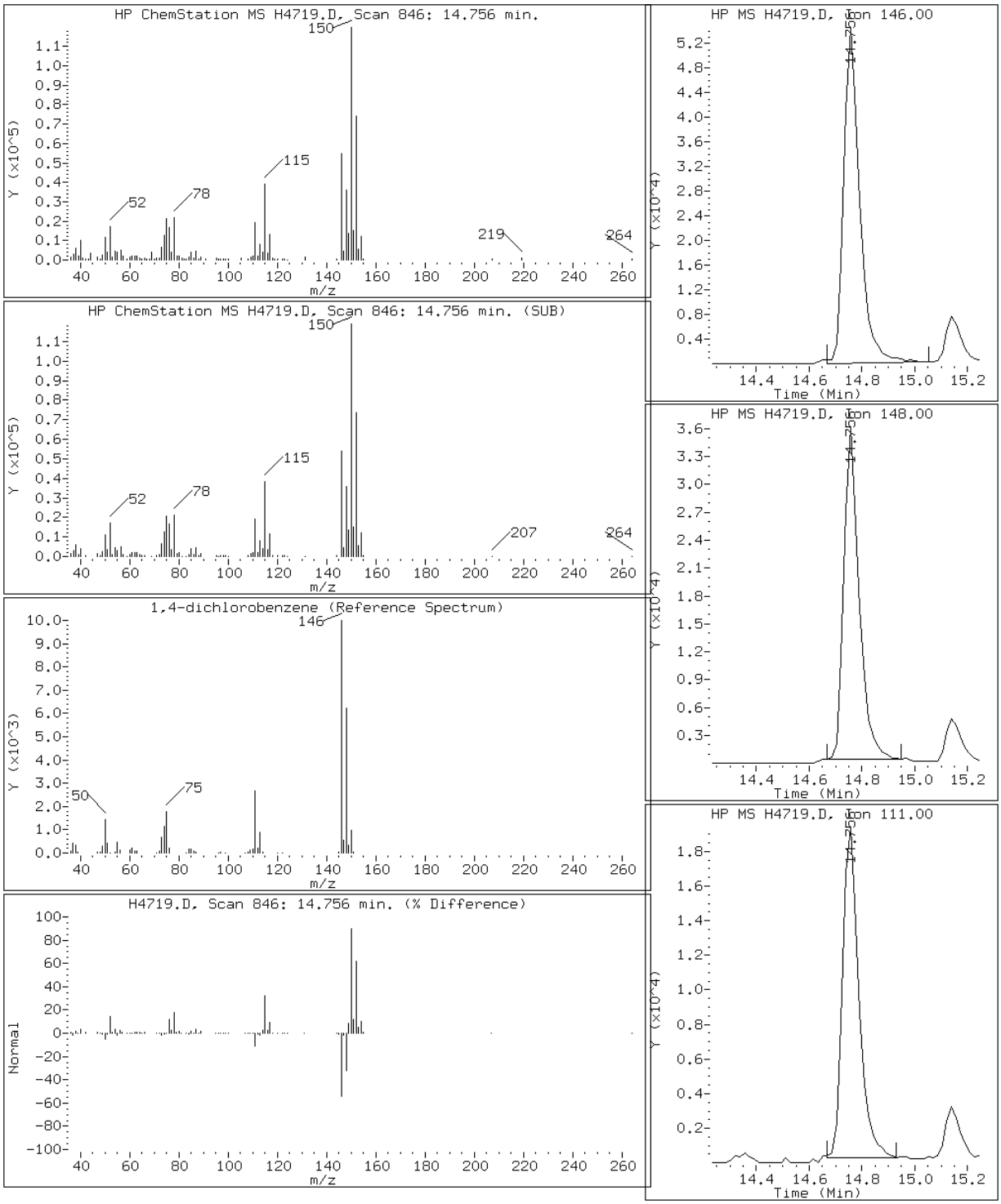
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Date: 10-JUL-2012 09:36

Client ID: LF1SW02SMC01UA Instrument: H.i

Sample Info: 280-30455-F-5,,ph<2 Operator: MEIERG

113 1,4-dichlorobenzene



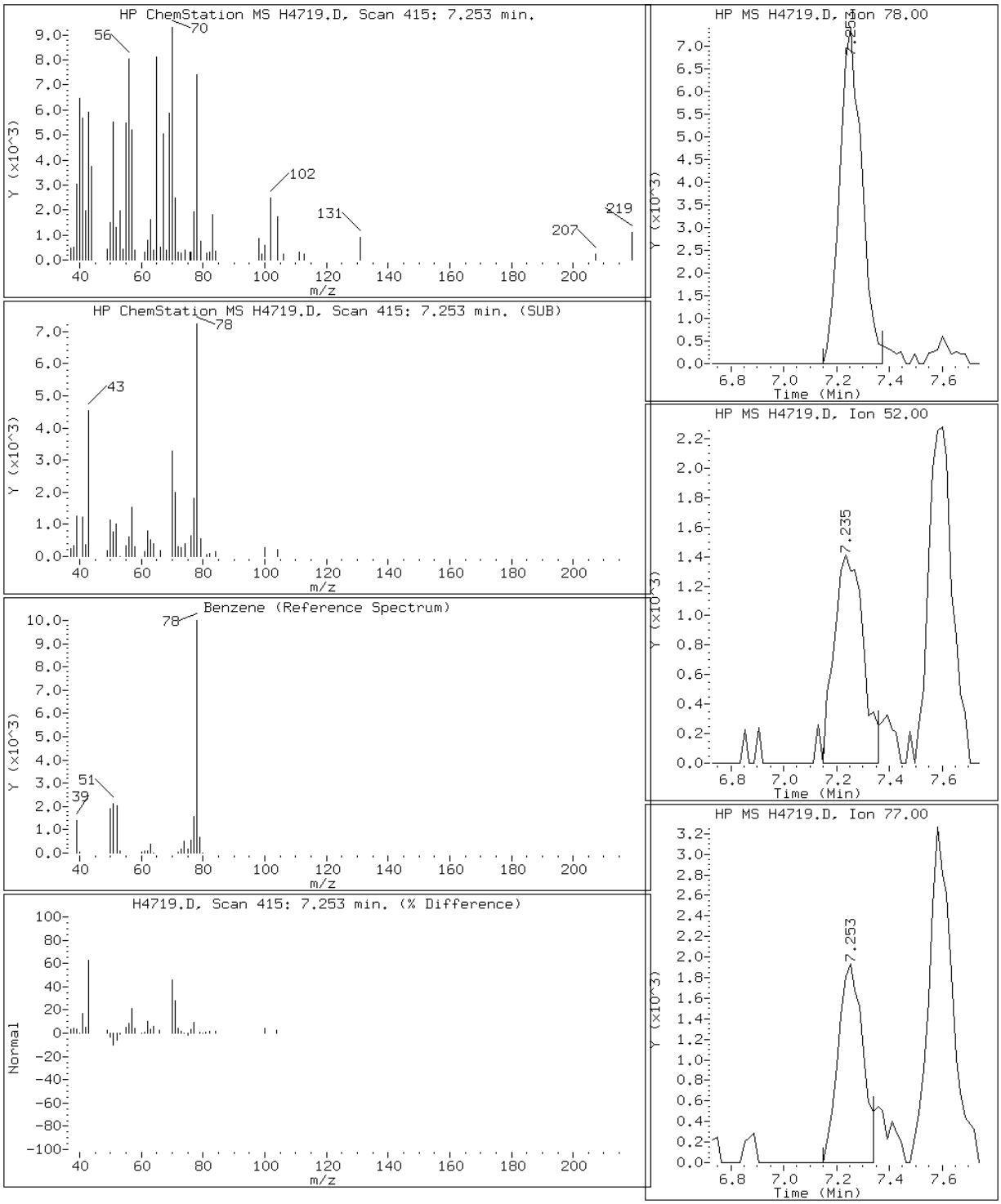
Data File: H4719.D

Date: 10-JUL-2012 09:36

Client ID: LF1SW02SMC01UA Instrument: H.i

Sample Info: 280-30455-F-5,,ph<2 Operator: MEIERG

58 Benzene



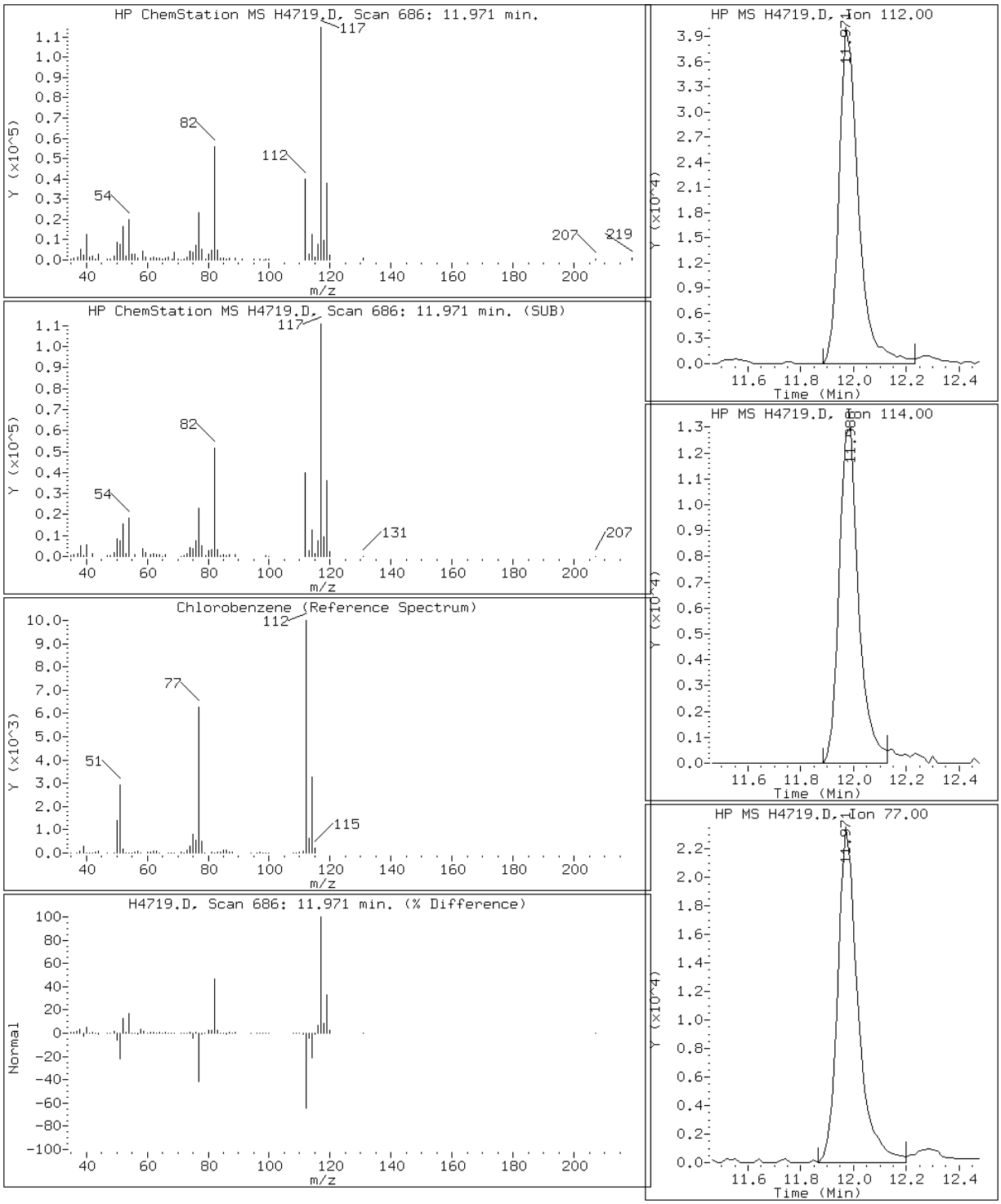
Data File: H4719.D

Date: 10-JUL-2012 09:36

Client ID: LF1SW02SMC01UA Instrument: H.i

Sample Info: 280-30455-F-5,,ph<2 Operator: MEIERG

88 Chlorobenzene



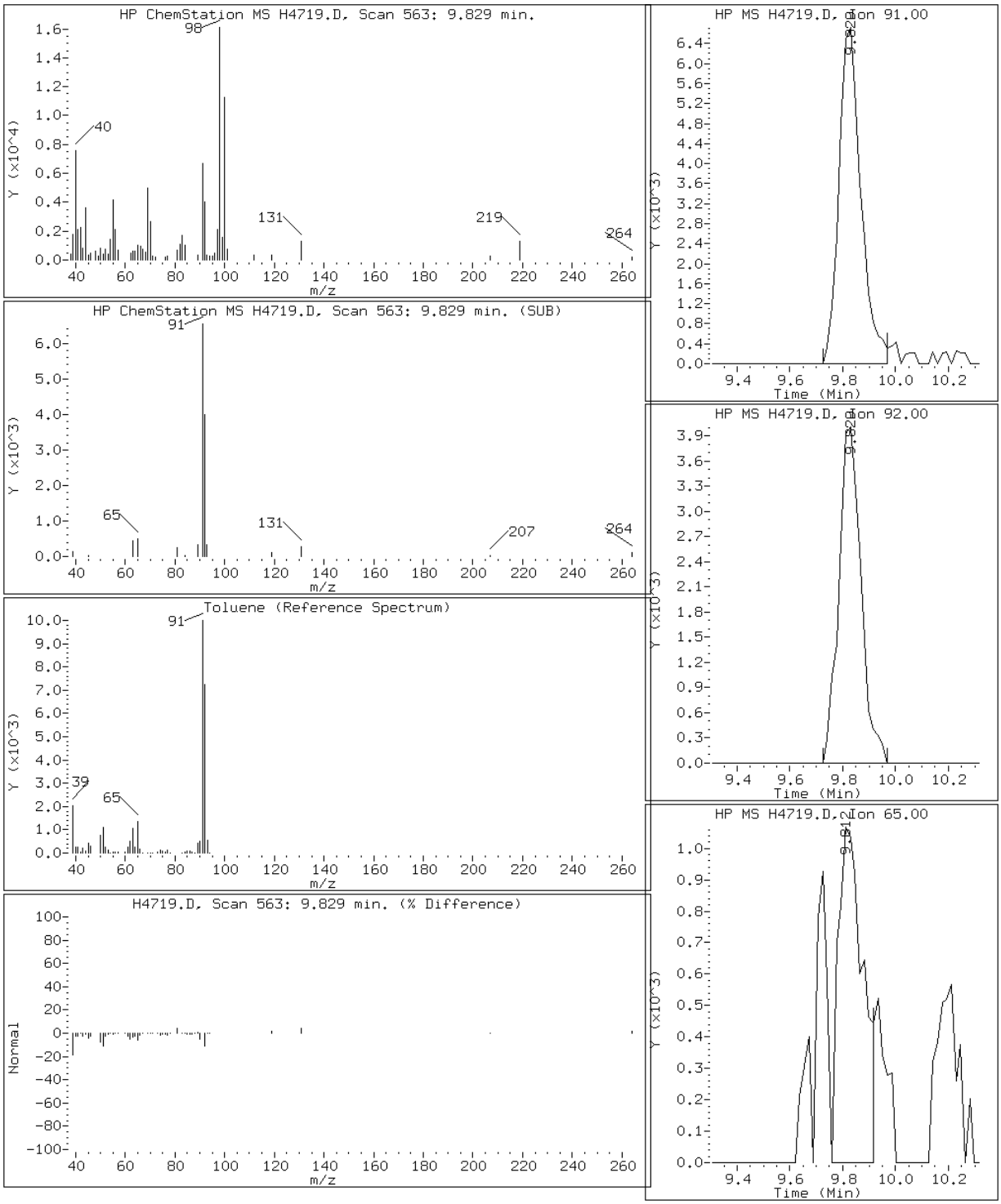
Data File: H4719.D

Date: 10-JUL-2012 09:36

Client ID: LF1SW02SMC01UA Instrument: H.i

Sample Info: 280-30455-F-5,,ph<2 Operator: MEIERG

76 Toluene



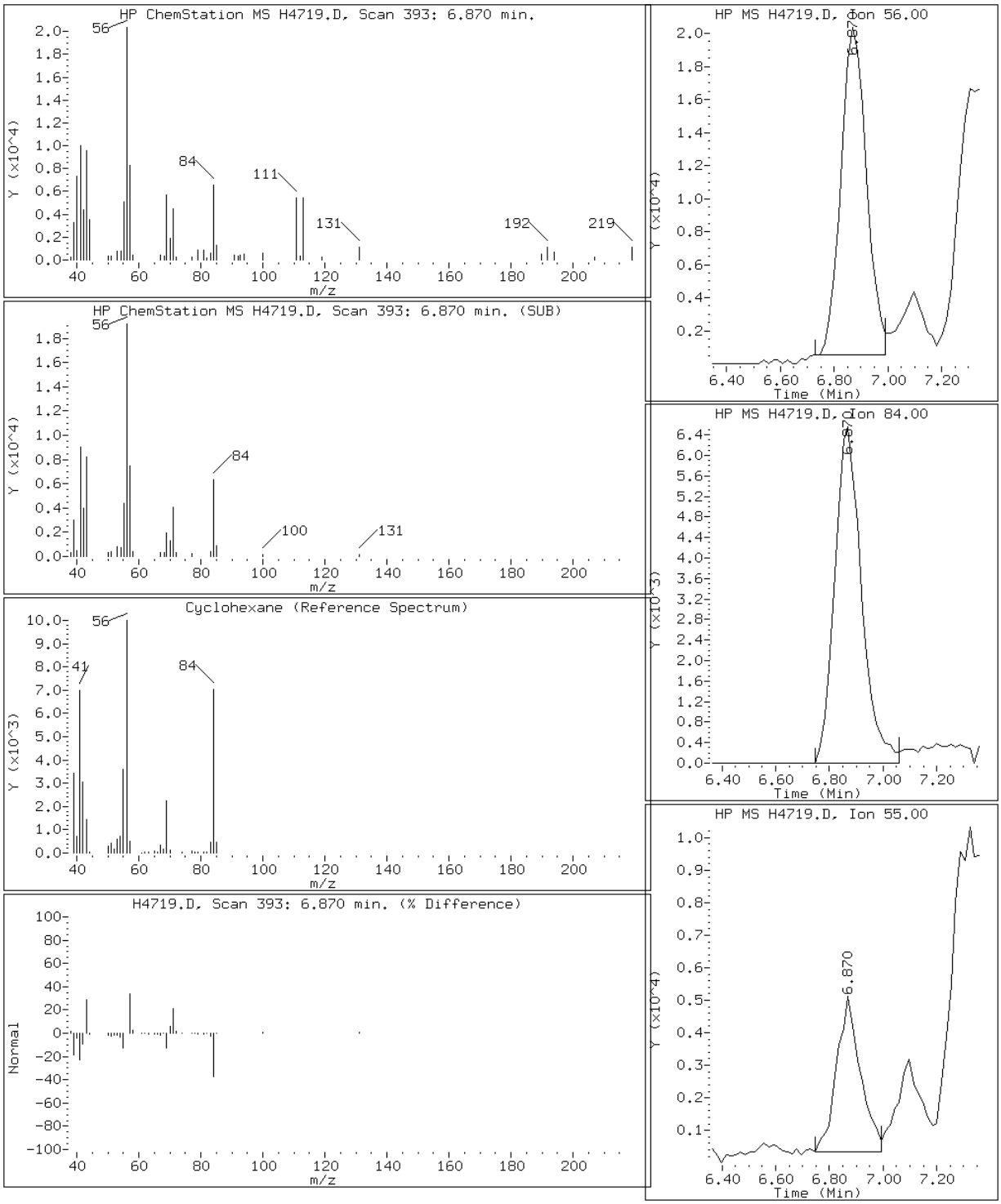
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Date: 10-JUL-2012 09:36

Client ID: LF1SW02SMC01UA Instrument: H.i

Sample Info: 280-30455-F-5,,ph<2 Operator: MEIERG

53 Cyclohexane



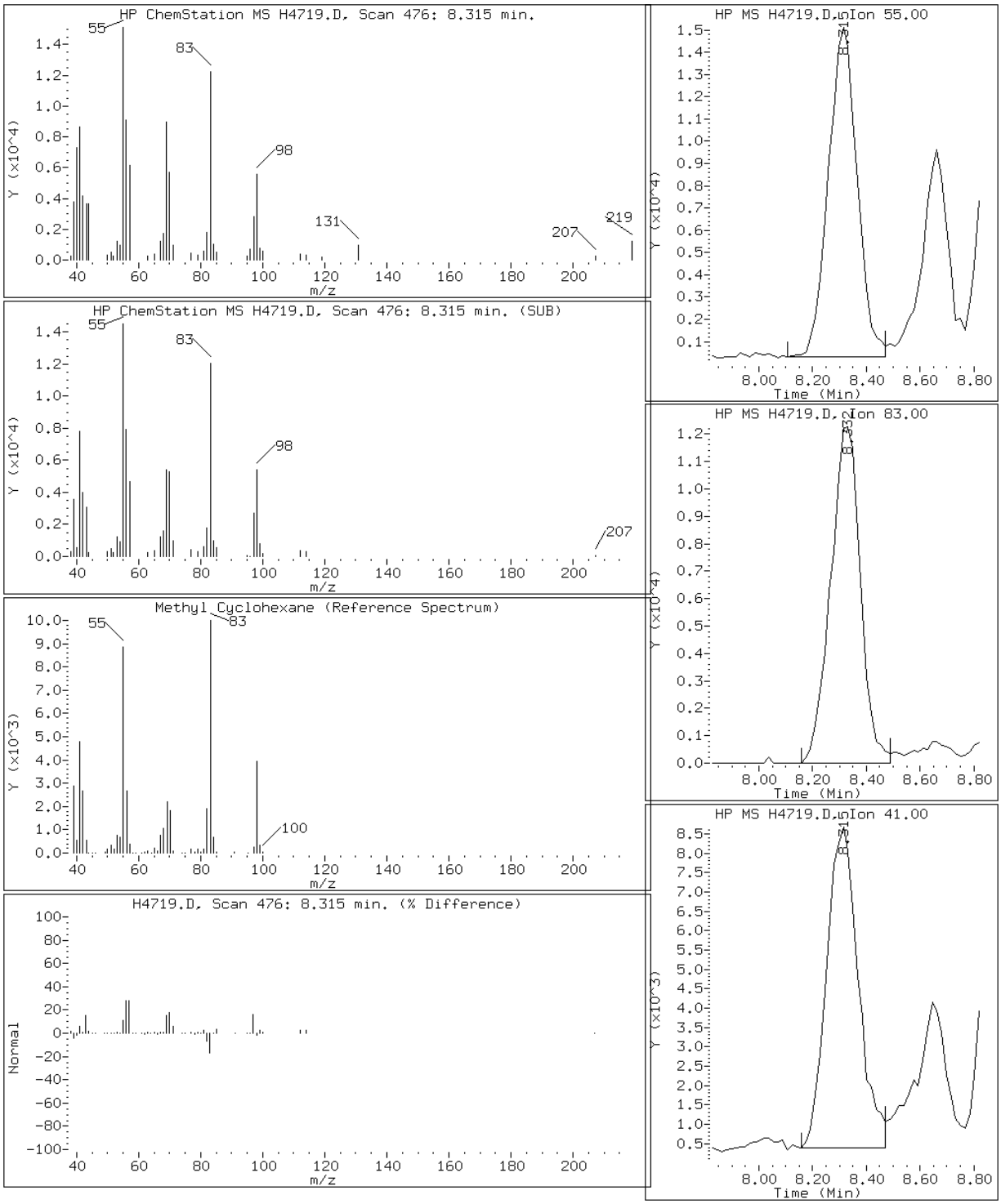
Data File: H4719.D

Date: 10-JUL-2012 09:36

Client ID: LF1SW02SMC01UA Instrument: H.i

Sample Info: 280-30455-F-5,,ph<2 Operator: MEIERG

65 Methyl Cyclohexane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: LF1SW0301UA | Lab Sample ID: 280-30455-6

Matrix: Water | Lab File ID: H4720.D

Analysis Method: 8260B/DoD | Date Collected: 06/26/2012 10:35

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 09:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: LF1SW0301UA | Lab Sample ID: 280-30455-6

Matrix: Water | Lab File ID: H4720.D

Analysis Method: 8260B/DoD | Date Collected: 06/26/2012 10:35

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 09:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Client Sample ID: LF1SW0301UA Lab Sample ID: 280-30455-6

Matrix: Water Lab File ID: H4720.D

Analysis Method: 8260B/DoD Date Collected: 06/26/2012 10:35

Sample wt/vol: 20(mL) Date Analyzed: 07/10/2012 09:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 127122 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	108		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		70-120
460-00-4	4-Bromofluorobenzene (Surr)	108		75-120
1868-53-7	Dibromofluoromethane (Surr)	106		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\071012.B\H4720.D
Lab Smp Id: 280-30455-G-6 Client Smp ID: LF1SW0301UA
Inj Date : 10-JUL-2012 09:58
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30455-G-6,,ph<2
Misc Info : 280-30455-G-6
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\071012.B\8260B-H2O.m
Meth Date : 10-Jul-2012 10:48 H.i Quant Type: ISTD
Cal Date : 09-JUL-2012 14:48 Cal File: H4682.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.594	7.576	(1.000)	1230846	12.5000	
* 86	Chlorobenzene-d5	119	11.946	11.928	(1.000)	308884	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.732	14.731	(1.000)	466627	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.741	6.740	(0.888)	619050	9.57359	9.57359
$ 57	1,2-Dichloroethane-d4	65	7.176	7.158	(0.945)	227801	8.92576	8.92576
$ 75	Toluene-d8	98	9.735	9.717	(0.815)	1208213	9.76085	9.76085
$ 98	4-Bromofluorobenzene (Surr)	95	13.443	13.425	(0.913)	587366	9.72540	9.72540
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 2	Xylene (total)	106	Compound Not Detected.					
6	dichlorodifluoromethane	85	Compound Not Detected.					
7	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
8	Chloromethane	50	Compound Not Detected.					
9	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
17	Ethyl Ether	59	Compound Not Detected.					
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

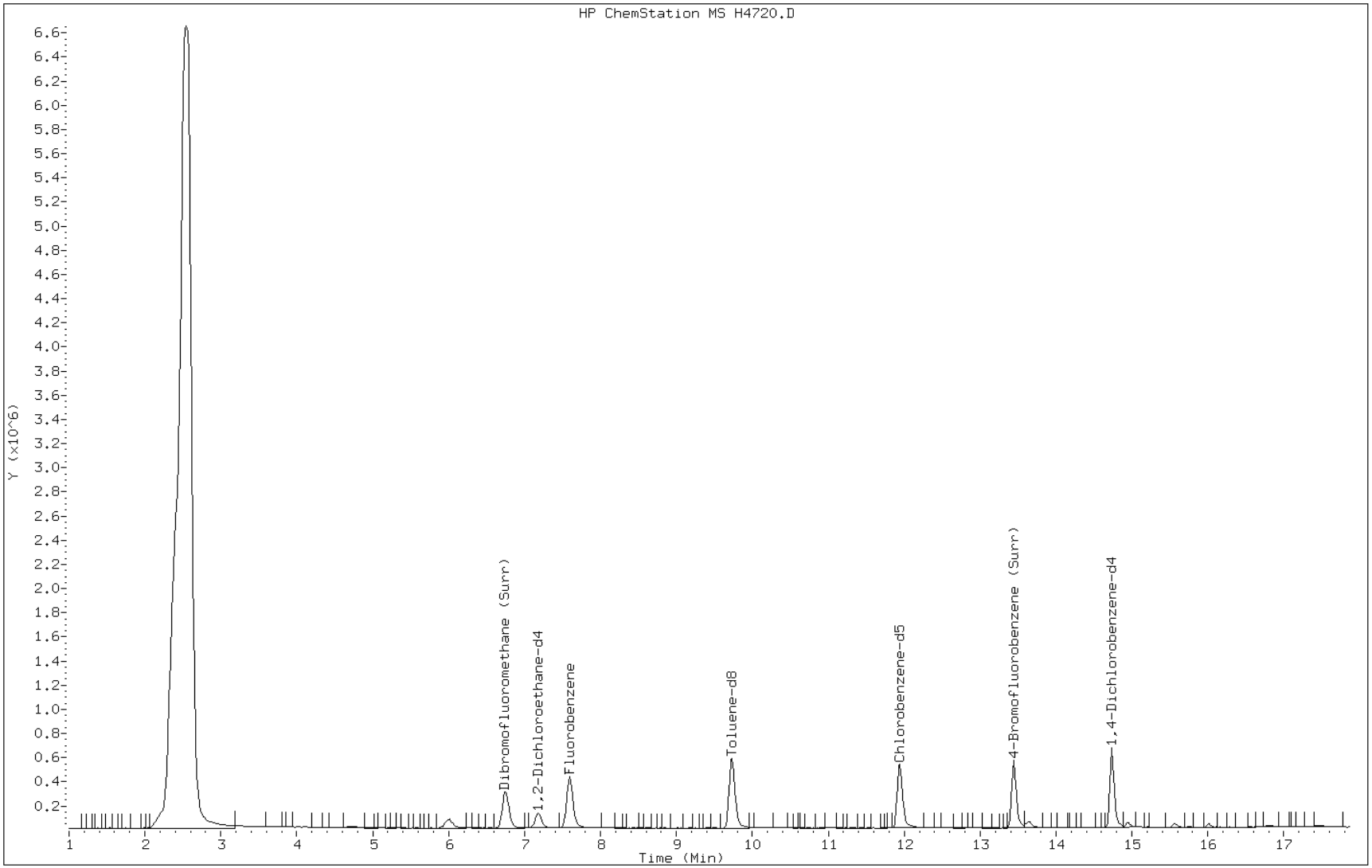
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
88	Chlorobenzene	112	Compound Not Detected.					
89	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90	Ethylbenzene	106	Compound Not Detected.					
91	m and p-Xylene	106	Compound Not Detected.					
92	o-Xylene	106	Compound Not Detected.					
93	Styrene	104	Compound Not Detected.					
94	Bromoform	173	Compound Not Detected.					
95	isopropyl benzene	105	Compound Not Detected.					
96	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97	Cyclohexanone	55	Compound Not Detected.					
100	Bromobenzene	156	Compound Not Detected.					
99	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	1,2,3-Trichloropropane	110	Compound Not Detected.					
102	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103	n-Propylbenzene	120	Compound Not Detected.					
104	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106	4-Chlorotoluene	126	Compound Not Detected.					
107	tert-Butylbenzene	119	Compound Not Detected.					
108	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109	sec-Butylbenzene	134	Compound Not Detected.					
110	1,3-Dichlorobenzene	146	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
113	1,4-dichlorobenzene	146	Compound Not Detected.					
115	n-Butylbenzene	91	Compound Not Detected.					
116	1,2-Dichlorobenzene	146	Compound Not Detected.					
117	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119	Hexachlorobutadiene	225	Compound Not Detected.					
120	Naphthalene	128	Compound Not Detected.					
121	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: H4720.D

Date: 10-JUL-2012 09:58

Client ID: LF1SW0301UA Instrument: H.i

Sample Info: 280-30455-G-6,,ph<2 Operator: MEIERG



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: 062612UE | Lab Sample ID: 280-30455-7

Matrix: Water | Lab File ID: H4721.D

Analysis Method: 8260B/DoD | Date Collected: 06/26/2012 14:15

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 10:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: 062612UE | Lab Sample ID: 280-30455-7

Matrix: Water | Lab File ID: H4721.D

Analysis Method: 8260B/DoD | Date Collected: 06/26/2012 14:15

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 10:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.19	J	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Client Sample ID: 062612UE Lab Sample ID: 280-30455-7

Matrix: Water Lab File ID: H4721.D

Analysis Method: 8260B/DoD Date Collected: 06/26/2012 14:15

Sample wt/vol: 20(mL) Date Analyzed: 07/10/2012 10:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 127122 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		70-120
460-00-4	4-Bromofluorobenzene (Surr)	102		75-120
1868-53-7	Dibromofluoromethane (Surr)	103		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\071012.B\H4721.D
Lab Smp Id: 280-30455-F-7 Client Smp ID: 062612UE
Inj Date : 10-JUL-2012 10:20
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30455-F-7,,ph<2
Misc Info : 280-30455-F-7
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\071012.B\8260B-H2O.m
Meth Date : 10-Jul-2012 10:48 H.i Quant Type: ISTD
Cal Date : 09-JUL-2012 14:48 Cal File: H4682.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.593	7.576	(1.000)	1189816	12.5000	
* 86	Chlorobenzene-d5	119	11.946	11.928	(1.000)	304746	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.731	14.731	(1.000)	457516	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.740	6.740	(0.888)	581407	9.30151	9.30150
$ 57	1,2-Dichloroethane-d4	65	7.176	7.158	(0.945)	219542	8.89879	8.89879
$ 75	Toluene-d8	98	9.735	9.717	(0.815)	1146656	9.38933	9.38933
$ 98	4-Bromofluorobenzene (Surr)	95	13.443	13.425	(0.913)	545601	9.21377	9.21377
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 2	Xylene (total)	106	Compound Not Detected.					
6	dichlorodifluoromethane	85	Compound Not Detected.					
7	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
8	Chloromethane	50	Compound Not Detected.					
9	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
17	Ethyl Ether	59	Compound Not Detected.					
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	6.549	6.519	(0.862)	11632	0.19180	0.191804(a)
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
88	Chlorobenzene	112	Compound Not Detected.					
89	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90	Ethylbenzene	106	Compound Not Detected.					
91	m and p-Xylene	106	Compound Not Detected.					
92	o-Xylene	106	Compound Not Detected.					
93	Styrene	104	Compound Not Detected.					
94	Bromoform	173	Compound Not Detected.					
95	isopropyl benzene	105	Compound Not Detected.					
96	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97	Cyclohexanone	55	Compound Not Detected.					
100	Bromobenzene	156	Compound Not Detected.					
99	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	1,2,3-Trichloropropane	110	Compound Not Detected.					
102	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103	n-Propylbenzene	120	Compound Not Detected.					
104	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106	4-Chlorotoluene	126	Compound Not Detected.					
107	tert-Butylbenzene	119	Compound Not Detected.					
108	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109	sec-Butylbenzene	134	Compound Not Detected.					
110	1,3-Dichlorobenzene	146	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
113	1,4-dichlorobenzene	146	Compound Not Detected.					
115	n-Butylbenzene	91	Compound Not Detected.					
116	1,2-Dichlorobenzene	146	Compound Not Detected.					
117	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119	Hexachlorobutadiene	225	Compound Not Detected.					
120	Naphthalene	128	Compound Not Detected.					
121	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

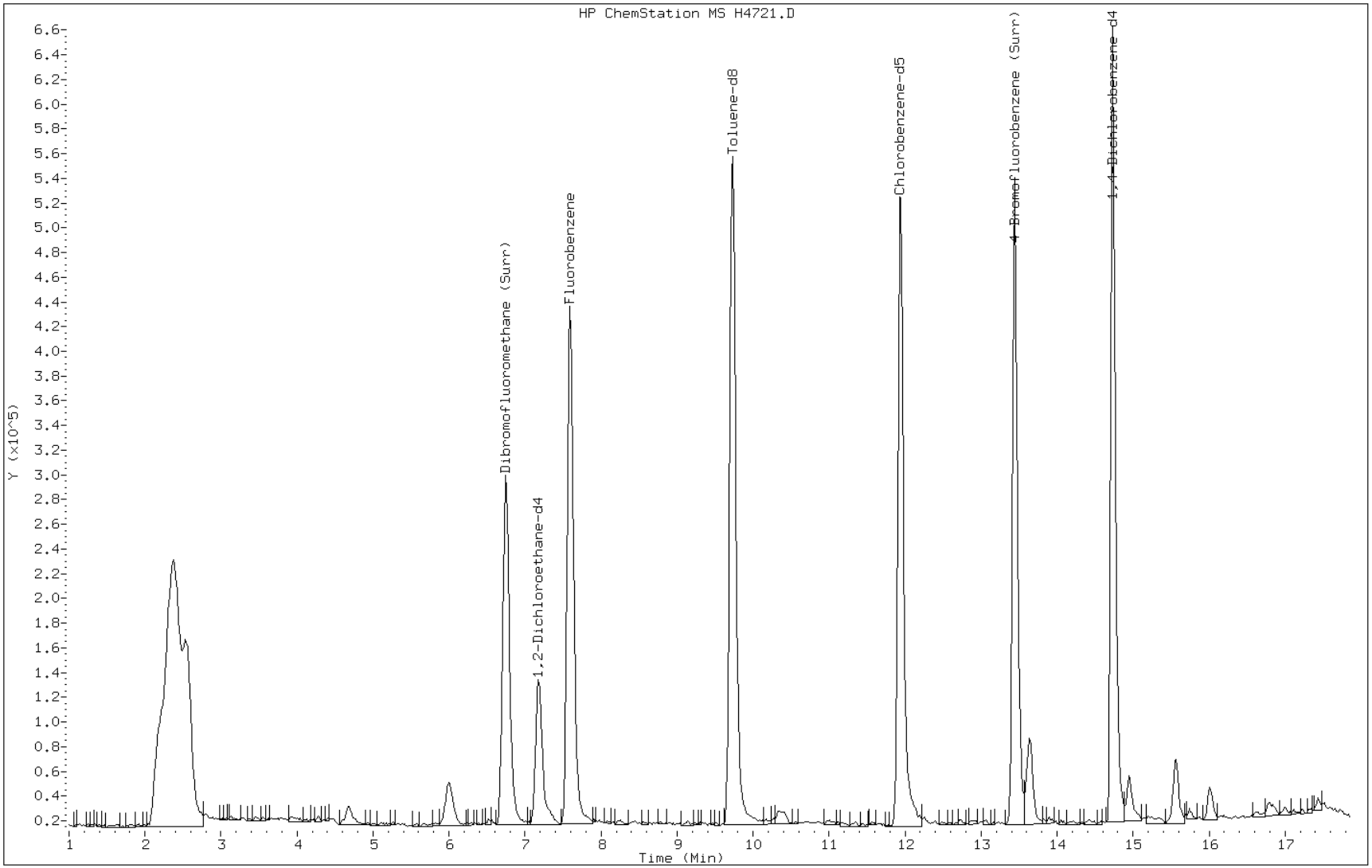
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: H4721.D

Date: 10-JUL-2012 10:20

Client ID: 062612UE Instrument: H.i

Sample Info: 280-30455-F-7,,ph<2 Operator: MEIERG



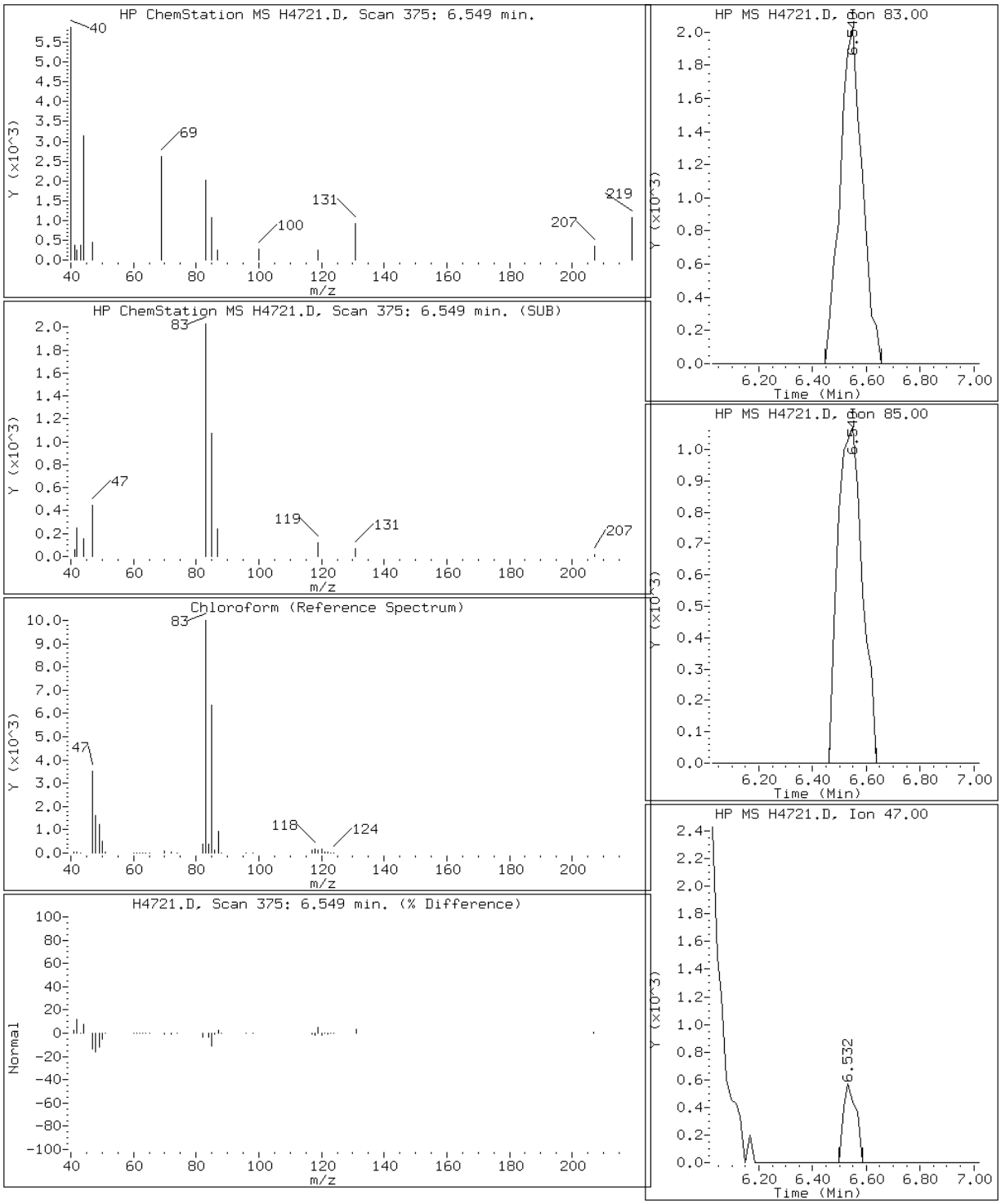
Data File: H4721.D

Date: 10-JUL-2012 10:20

Client ID: 062612UE Instrument: H.i

Sample Info: 280-30455-F-7,,ph<2 Operator: MEIERG

50 Chloroform



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: 062612UF | Lab Sample ID: 280-30455-8

Matrix: Water | Lab File ID: H4722.D

Analysis Method: 8260B/DoD | Date Collected: 06/26/2012 12:01

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 10:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: 062612UF | Lab Sample ID: 280-30455-8

Matrix: Water | Lab File ID: H4722.D

Analysis Method: 8260B/DoD | Date Collected: 06/26/2012 12:01

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 10:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.18	J	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Client Sample ID: 062612UF Lab Sample ID: 280-30455-8

Matrix: Water Lab File ID: H4722.D

Analysis Method: 8260B/DoD Date Collected: 06/26/2012 12:01

Sample wt/vol: 20(mL) Date Analyzed: 07/10/2012 10:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 127122 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		70-120
460-00-4	4-Bromofluorobenzene (Surr)	102		75-120
1868-53-7	Dibromofluoromethane (Surr)	102		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\071012.B\H4722.D
Lab Smp Id: 280-30455-C-8 Client Smp ID: 062612UF
Inj Date : 10-JUL-2012 10:42
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30455-C-8,,ph<2
Misc Info : 280-30455-C-8
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\071012.B\8260B-H2O.m
Meth Date : 10-Jul-2012 10:48 H.i Quant Type: ISTD
Cal Date : 09-JUL-2012 14:48 Cal File: H4682.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.599	7.576	(1.000)	1222457	12.5000	
* 86	Chlorobenzene-d5	119	11.934	11.928	(1.000)	312674	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.737	14.731	(1.000)	466785	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.746	6.740	(0.888)	587775	9.15230	9.15230
$ 57	1,2-Dichloroethane-d4	65	7.181	7.158	(0.945)	221689	8.74589	8.74589
$ 75	Toluene-d8	98	9.723	9.717	(0.815)	1165425	9.30105	9.30105
$ 98	4-Bromofluorobenzene (Surr)	95	13.449	13.425	(0.913)	554315	9.17505	9.17505
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 2	Xylene (total)	106	Compound Not Detected.					
6	dichlorodifluoromethane	85	Compound Not Detected.					
7	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
8	Chloromethane	50	Compound Not Detected.					
9	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
17	Ethyl Ether	59	Compound Not Detected.					
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	6.537	6.519	(0.860)	11101	0.17816	0.178160(aQ)
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85 1,2-Dibromoethane	107	Compound Not Detected.					
87 1-Chlorohexane	91	Compound Not Detected.					
88 Chlorobenzene	112	Compound Not Detected.					
89 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90 Ethylbenzene	106	Compound Not Detected.					
91 m and p-Xylene	106	Compound Not Detected.					
92 o-Xylene	106	Compound Not Detected.					
93 Styrene	104	Compound Not Detected.					
94 Bromoform	173	Compound Not Detected.					
95 isopropyl benzene	105	Compound Not Detected.					
96 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	Compound Not Detected.					
100 Bromobenzene	156	Compound Not Detected.					
99 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101 1,2,3-Trichloropropane	110	Compound Not Detected.					
102 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103 n-Propylbenzene	120	Compound Not Detected.					
104 2-Chlorotoluene	126	Compound Not Detected.					
105 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106 4-Chlorotoluene	126	Compound Not Detected.					
107 tert-Butylbenzene	119	Compound Not Detected.					
108 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109 sec-Butylbenzene	134	Compound Not Detected.					
110 1,3-Dichlorobenzene	146	Compound Not Detected.					
111 4-Isopropyltoluene	119	Compound Not Detected.					
113 1,4-dichlorobenzene	146	Compound Not Detected.					
115 n-Butylbenzene	91	Compound Not Detected.					
116 1,2-Dichlorobenzene	146	Compound Not Detected.					
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119 Hexachlorobutadiene	225	Compound Not Detected.					
120 Naphthalene	128	Compound Not Detected.					
121 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

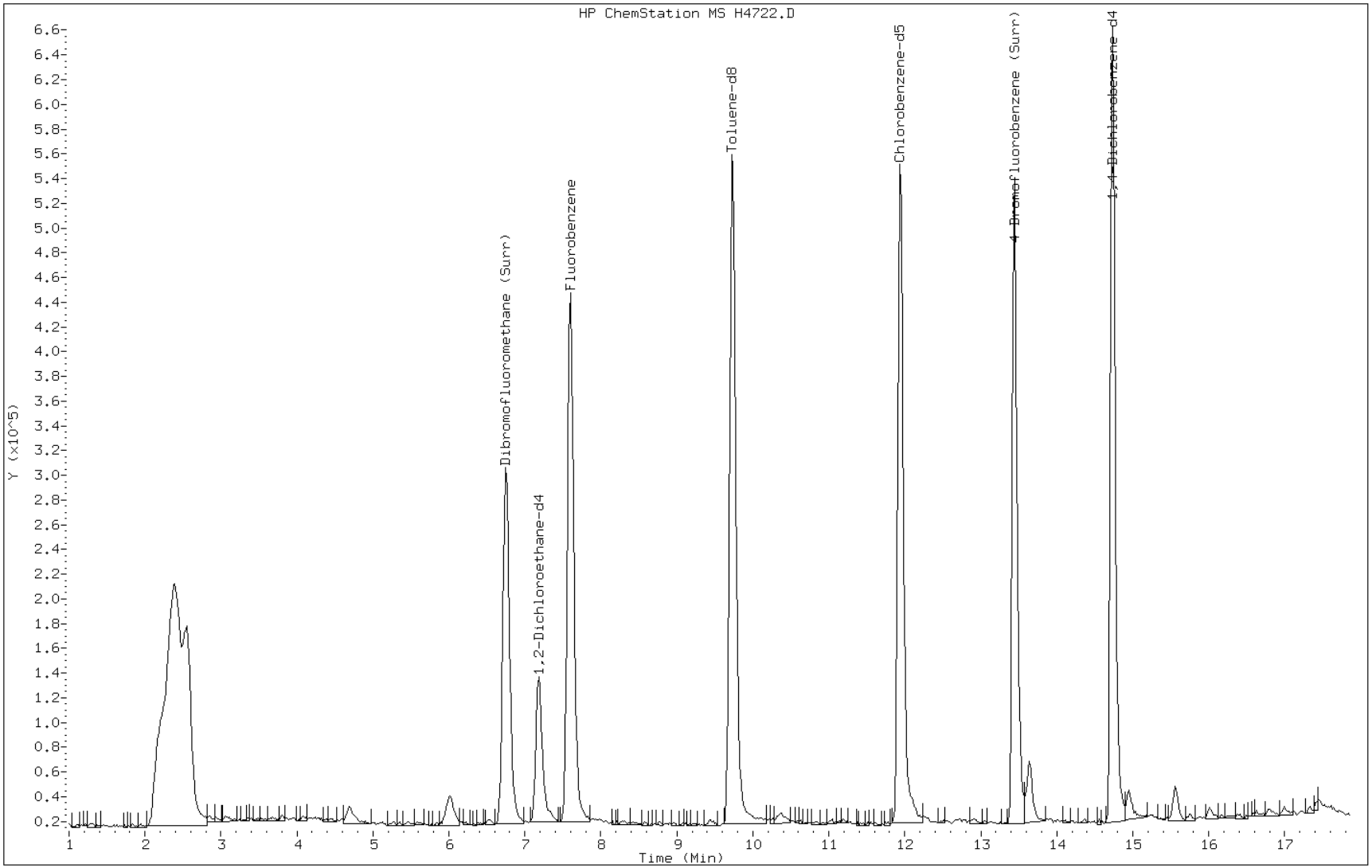
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: H4722.D

Date: 10-JUL-2012 10:42

Client ID: 062612UF Instrument: H.i

Sample Info: 280-30455-C-8,,ph<2 Operator: MEIERG



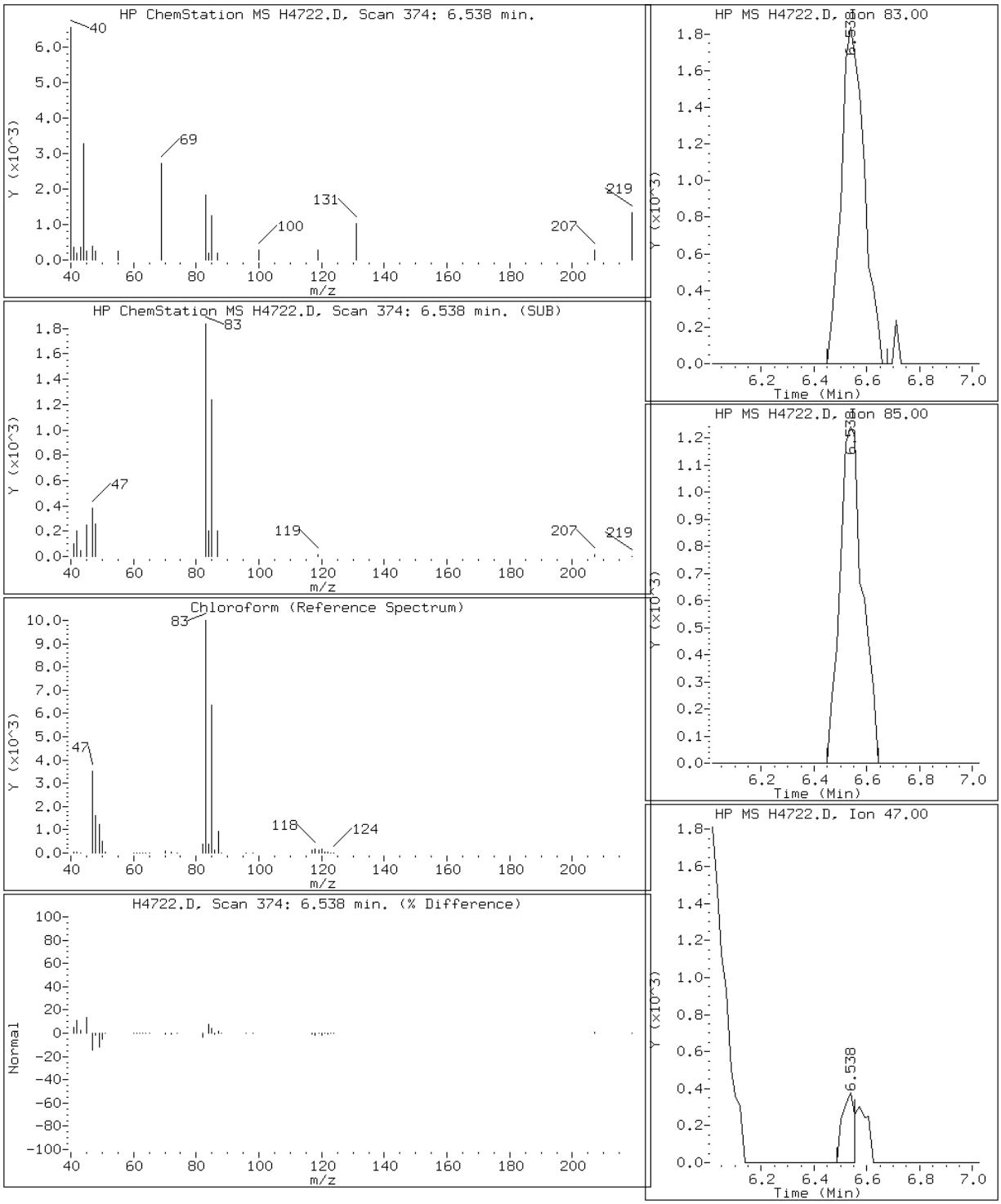
Data File: H4722.D

Date: 10-JUL-2012 10:42

Client ID: 062612UF Instrument: H.i

Sample Info: 280-30455-C-8,,ph<2 Operator: MEIERG

50 Chloroform



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: 062612UR | Lab Sample ID: 280-30455-9

Matrix: Water | Lab File ID: H4723.D

Analysis Method: 8260B/DoD | Date Collected: 06/26/2012 09:15

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 11:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: 062612UR | Lab Sample ID: 280-30455-9

Matrix: Water | Lab File ID: H4723.D

Analysis Method: 8260B/DoD | Date Collected: 06/26/2012 09:15

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 11:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Client Sample ID: 062612UR Lab Sample ID: 280-30455-9

Matrix: Water Lab File ID: H4723.D

Analysis Method: 8260B/DoD Date Collected: 06/26/2012 09:15

Sample wt/vol: 20(mL) Date Analyzed: 07/10/2012 11:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 127122 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	108		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-120
460-00-4	4-Bromofluorobenzene (Surr)	107		75-120
1868-53-7	Dibromofluoromethane (Surr)	107		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\071012.B\H4723.D
Lab Smp Id: 280-30455-A-9 Client Smp ID: 062612UR
Inj Date : 10-JUL-2012 11:04
Operator : MEIERG Inst ID: H.i
Smp Info : 280-30455-A-9,,ph<2
Misc Info : 280-30455-A-9
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\071012.B\8260B-H2O.m
Meth Date : 10-Jul-2012 10:48 H.i Quant Type: ISTD
Cal Date : 09-JUL-2012 14:48 Cal File: H4682.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.594	7.576	(1.000)	1151762	12.5000	
* 86	Chlorobenzene-d5	119	11.946	11.928	(1.000)	297884	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.731	14.731	(1.000)	442591	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.758	6.740	(0.890)	580137	9.58784	9.58784
$ 57	1,2-Dichloroethane-d4	65	7.176	7.158	(0.945)	218324	9.14181	9.14181
$ 75	Toluene-d8	98	9.735	9.717	(0.815)	1158550	9.70526	9.70526
$ 98	4-Bromofluorobenzene (Surr)	95	13.443	13.425	(0.913)	549864	9.59890	9.59890
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 2	Xylene (total)	106	Compound Not Detected.					
6	dichlorodifluoromethane	85	Compound Not Detected.					
7	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
8	Chloromethane	50	Compound Not Detected.					
9	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
17	Ethyl Ether	59	Compound Not Detected.					
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
46 2-Butanol	45	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	6.532	6.519	(0.860)	3256	0.05546	0.0554631(a)
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
83 Dibromochloromethane	129	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85 1,2-Dibromoethane	107	Compound Not Detected.					
87 1-Chlorohexane	91	Compound Not Detected.					
88 Chlorobenzene	112	Compound Not Detected.					
89 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90 Ethylbenzene	106	Compound Not Detected.					
91 m and p-Xylene	106	Compound Not Detected.					
92 o-Xylene	106	Compound Not Detected.					
93 Styrene	104	Compound Not Detected.					
94 Bromoform	173	Compound Not Detected.					
95 isopropyl benzene	105	Compound Not Detected.					
96 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	Compound Not Detected.					
100 Bromobenzene	156	Compound Not Detected.					
99 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101 1,2,3-Trichloropropane	110	Compound Not Detected.					
102 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103 n-Propylbenzene	120	Compound Not Detected.					
104 2-Chlorotoluene	126	Compound Not Detected.					
105 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106 4-Chlorotoluene	126	Compound Not Detected.					
107 tert-Butylbenzene	119	Compound Not Detected.					
108 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109 sec-Butylbenzene	134	Compound Not Detected.					
110 1,3-Dichlorobenzene	146	Compound Not Detected.					
111 4-Isopropyltoluene	119	Compound Not Detected.					
113 1,4-dichlorobenzene	146	Compound Not Detected.					
115 n-Butylbenzene	91	Compound Not Detected.					
116 1,2-Dichlorobenzene	146	Compound Not Detected.					
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119 Hexachlorobutadiene	225	Compound Not Detected.					
120 Naphthalene	128	Compound Not Detected.					
121 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

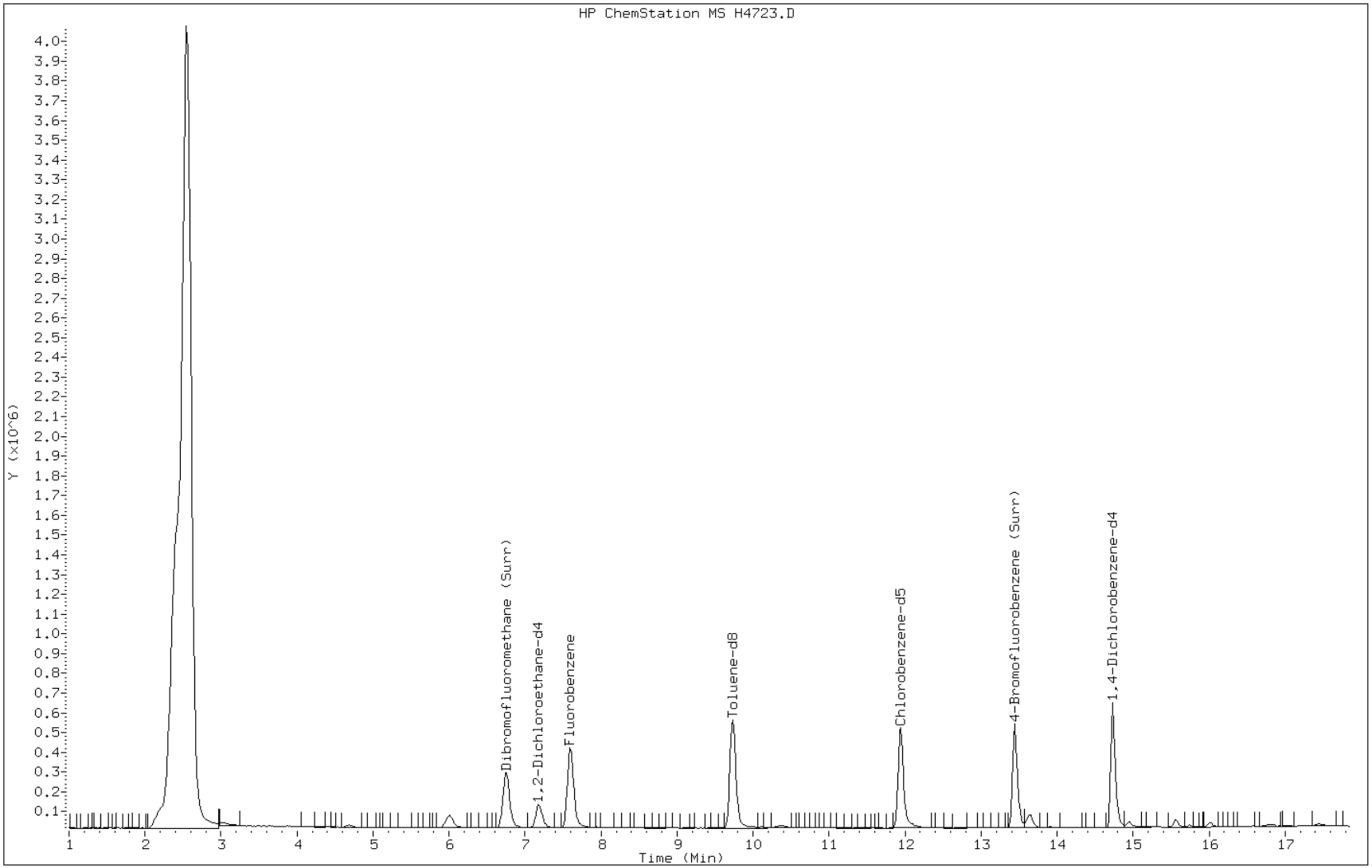
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: H4723.D

Date: 10-JUL-2012 11:04

Client ID: 062612UR Instrument: H.i

Sample Info: 280-30455-A-9,,ph<2 Operator: MEIERG



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30455-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-126680/2	H4455.D
Level 2	IC 280-126680/3	H4456.D
Level 3	IC 280-126680/4	H4457.D
Level 4	IC 280-126680/5	H4458.D
Level 5	IC 280-126680/6	H4459.D
Level 6	IC 280-126680/7	H4460.D
Level 7	IC 280-126680/8	H4461.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloroethene, Total	+++++ 0.3863	0.3866 0.3400	0.3776	0.3767	0.3671	Ave		0.3724				4.7		15.0			
Xylenes, Total	+++++ 2.4841	2.3750 2.4234	2.3333	2.3574	2.2684	Ave		2.3736				3.1		15.0			
Chloromethane	+++++ 0.2499	0.2494 0.2624	0.2408	0.2583	0.2474	Ave		0.2514			0.1000	3.1		15.0			
Dichlorodifluoromethane	+++++ 0.4845	+++++ 0.5200	0.3696	0.4988	0.4784	Ave		0.4703				12.4		15.0			
Ethanol	+++++ 0.0007	+++++ 0.0005	0.0010	0.0010	0.0008	Lin	-16.44	0.0005							0.9911		
Vinyl chloride	0.2687 0.3066	0.2942 0.3248	0.2838	0.3151	0.2988	Ave		0.2989				6.3		30.0			
Bromomethane	+++++ 0.2989	0.2983 0.3031	0.2877	0.3182	0.2971	Ave		0.3005				3.3		15.0			
Chloroethane	+++++ 0.2064	0.2126 0.2161	0.2001	0.2189	0.2074	Ave		0.2102				3.3		15.0			
Trichlorofluoromethane	+++++ 0.6127	0.6306 0.6181	0.6154	0.6495	0.6102	Ave		0.6228				2.4		15.0			
Acrolein	+++++ 0.0152	+++++ 0.0156	0.0159	0.0166	0.0152	Ave		0.0157				3.8		15.0			
1,1-Dichloroethene	+++++ 0.3177	0.3360 0.3230	0.3164	0.3201	0.3072	Ave		0.3201				3.0		30.0			
Acetone	+++++ 0.0211	+++++ 0.0210	0.0258	0.0236	0.0227	Ave		0.0228				8.7		15.0			
Iodomethane	+++++ 0.8449	0.8073 0.8839	0.7891	0.8075	0.7901	Ave		0.8205				4.5		15.0			
Acetonitrile	+++++ 0.0043	0.0030 0.0046	0.0027	0.0041	0.0035	Lin1	0.4552	0.0045							0.9954		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30455-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methylene Chloride	+++++ 0.3306	+++++ 0.3157	0.5649	0.4067	0.3590	Lin2	-0.132	0.3089							0.9998		0.9900
2-Methyl-2-propanol	+++++ 0.0135	+++++ 0.0123	0.0112	0.0121	0.0121	Ave		0.0122				6.6		15.0			
Acrylonitrile	+++++ 0.0308	+++++ 0.0266	0.0242	0.0276	0.0290	Ave		0.0276				9.0		15.0			
trans-1,2-Dichloroethene	+++++ 0.3873	0.3907 0.3460	0.3816	0.3764	0.3672	Ave		0.3748				4.4		15.0			
2-Butanone (MEK)	+++++ 0.0492	0.0493 0.0367	0.0466	0.0487	0.0493	Ave		0.0466				10.7		15.0			
1,1-Dichloroethane	+++++ 0.6291	0.6470 0.6002	0.6470	0.6631	0.6505	Ave		0.6395			0.1000	3.5		15.0			
Isopropyl ether	+++++ 0.2844	0.2820 0.2803	0.2793	0.2901	0.2837	Ave		0.2833				1.4		15.0			
2-Chloro-1,3-butadiene	+++++ 0.3849	0.4561 0.3855	0.4366	0.4244	0.4068	Ave		0.4157				6.9		15.0			
Isobutyl alcohol	+++++ 0.0037	+++++ 0.0036	0.0030	0.0028	0.0034	Ave		0.0033				11.2		15.0			
cis-1,2-Dichloroethene	+++++ 0.3852	0.3825 0.3341	0.3737	0.3770	0.3669	Ave		0.3699				5.1		15.0			
2,2-Dichloropropane	+++++ 0.4777	0.4893 +++++	0.4966	0.4779	0.4683	Ave		0.4820				2.3		15.0			
Propionitrile	+++++ 0.0112	+++++ 0.0099	0.0094	0.0104	0.0110	Ave		0.0104				7.3		15.0			
Methacrylonitrile	+++++ 0.0619	0.0605 0.0589	0.0594	0.0606	0.0631	Ave		0.0607				2.6		15.0			
Chlorobromomethane	0.1814 0.2126	0.1910 0.2139	0.1982	0.2092	0.2092	Ave		0.2022				6.1		15.0			
Chloroform	0.6299 0.6585	0.6329 0.6294	0.6284	0.6443	0.6364	Ave		0.6371				1.7		30.0			
1,1,1-Trichloroethane	+++++ 0.5812	0.5728 0.5943	0.5691	0.5814	0.5772	Ave		0.5793				1.5		15.0			
1,1-Dichloropropene	+++++ 0.5586	0.5637 0.5365	0.5532	0.5518	0.5365	Ave		0.5501				2.1		15.0			
Carbon tetrachloride	+++++ 0.5913	0.5955 0.5681	0.5873	0.6032	0.5724	Ave		0.5863				2.3		15.0			
Benzene	1.0504 1.0806	1.0388 0.9835	1.0485	1.0658	1.0434	Ave		1.0444				2.9		15.0			
1,2-Dichloroethane	0.2372 0.2478	0.2404 0.2110	0.2422	0.2581	0.2542	Ave		0.2416				6.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30455-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0.0013	+++++ 0.0012	0.0010	0.0011	0.0013	Ave		0.0012				10.8		15.0			
Trichloroethene	+++++ 0.4736	0.4569 0.4462	0.4418	0.4541	0.4338	Ave		0.4511				3.1		15.0			
1,2-Dichloropropane	+++++ 0.4077	0.3896 0.3959	0.3804	0.3939	0.3823	Ave		0.3916				2.6		30.0			
Dibromomethane	+++++ 0.2355	0.2216 0.2307	0.2212	0.2258	0.2278	Ave		0.2271				2.4		15.0			
Dichlorobromomethane	0.5361 0.5835	0.5334 0.5650	0.5424	0.5581	0.5537	Ave		0.5532				3.2		15.0			
cis-1,3-Dichloropropene	0.4739 0.5292	0.4772 0.5132	0.4863	0.5016	0.4953	Ave		0.4967				4.0		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.1562	0.1565 0.1244	0.1456	0.1588	0.1593	Ave		0.1501				9.0		15.0			
Toluene	1.2033 1.1878	1.1881 1.0024	1.1835	1.1826	1.1614	Ave		1.1584				6.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.3755	0.3488 0.3631	0.3598	0.3595	0.3574	Ave		0.3607				2.4		15.0			
1,1,2-Trichloroethane	+++++ 0.2458	0.2402 0.2392	0.2321	0.2439	0.2390	Ave		0.2400				2.0		15.0			
Tetrachloroethene	+++++ 1.9488	1.6950 2.2568	1.7521	1.8107	1.7119	Ave		1.8625				11.5		15.0			
1,3-Dichloropropane	1.3681 1.7775	1.5211 1.9119	1.6007	1.6125	1.6186	Ave		1.6300				10.7		15.0			
2-Hexanone	+++++ 0.4620	0.4720 0.4806	0.4551	0.4466	0.4379	Ave		0.4590				3.5		15.0			
Chlorodibromomethane	1.7192 2.2182	1.9051 2.4966	1.9704	2.0049	1.9580	Ave		2.0389				12.2		15.0			
Ethylene Dibromide	+++++ 1.5166	1.3060 1.6877	1.2946	1.4071	1.3823	Ave		1.4324				10.4		15.0			
1-Chlorohexane	+++++ 2.5190	2.5904 2.5599	2.5313	2.5176	2.4151	Ave		2.5222				2.4		15.0			
Chlorobenzene	3.4232 3.9289	3.6067 3.7964	3.7261	3.8121	3.6776	Ave		3.7101			0.3000	4.4		15.0			
1,1,1,2-Tetrachloroethane	1.7554 1.9878	1.7735 1.9380	1.7943	1.8478	1.8312	Ave		1.8469				4.7		15.0			
Ethylbenzene	+++++ 1.9451	1.7655 1.8374	1.8378	1.8193	1.7533	Ave		1.8264				3.7		30.0			
m-Xylene & p-Xylene	+++++ 2.5962	2.4810 2.4764	2.3907	2.4261	2.3487	Ave		2.4532				3.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30455-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
o-Xylene	+++++ 2.2599	2.1631 2.3174	2.2186	2.2199	2.1080	Ave		2.2145				3.3		15.0			
Styrene	+++++ 3.7703	3.4116 3.6788	3.5602	3.6087	3.5370	Ave		3.5944				3.4		15.0			
Bromoform	+++++ 1.1700	0.9904 1.1258	1.0016	1.0306	1.0511	Ave		1.0616			0.1000	6.7		15.0			
Isopropylbenzene	+++++ 4.2249	4.4898 4.1852	4.4501	4.4311	4.2361	Ave		4.3362				3.1		15.0			
Cyclohexanone	+++++ 0.0220	+++++ 0.0168	0.0189	0.0205	0.0210	Ave		0.0199				10.1		15.0			
1,1,2,2-Tetrachloroethane	0.8495 0.8752	0.8775 0.8578	0.8866	0.9184	0.8919	Ave		0.8796			0.3000	2.6		15.0			
Bromobenzene	+++++ 1.2316	1.0648 1.2155	1.1049	1.1332	1.1177	Ave		1.1446				5.7		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1901	+++++ 0.1659	0.1586	0.1623	0.1685	Ave		0.1691				7.3		15.0			
1,2,3-Trichloropropane	+++++ 0.2032	0.1928 0.1839	0.1977	0.2097	0.2102	Ave		0.1996				5.1		15.0			
N-Propylbenzene	+++++ 1.2692	1.2155 1.1224	1.2178	1.1780	1.1633	Ave		1.1944				4.3		15.0			
2-Chlorotoluene	+++++ 1.1183	1.0087 0.9720	1.0325	0.9916	1.0035	Ave		1.0211				5.1		15.0			
1,3,5-Trimethylbenzene	+++++ 3.4384	3.1979 3.0171	3.1891	3.2657	3.1126	Ave		3.2035				4.5		15.0			
4-Chlorotoluene	+++++ 1.2037	1.1274 1.0995	1.1167	1.1331	1.0923	Ave		1.1288				3.5		15.0			
tert-Butylbenzene	+++++ 4.0849	3.8150 3.6199	3.8288	3.8905	3.6729	Ave		3.8187				4.3		15.0			
1,2,4-Trimethylbenzene	+++++ 3.2331	3.1177 2.8634	3.1122	3.1392	2.9802	Ave		3.0743				4.3		15.0			
sec-Butylbenzene	+++++ 1.1097	1.0114 1.0029	1.0426	1.0203	0.9687	Ave		1.0259				4.6		15.0			
1,3-Dichlorobenzene	+++++ 2.1276	2.0333 1.9473	1.9475	2.0242	1.8913	Ave		1.9952				4.2		15.0			
4-Isopropyltoluene	+++++ 4.3657	4.3173 4.0009	4.2682	4.2626	4.0374	Ave		4.2087				3.6		15.0			
1,4-Dichlorobenzene	2.5169 2.3449	2.1755 2.3984	2.2704	2.2576	2.2678	Ave		2.3188				4.8		15.0			
n-Butylbenzene	+++++ 3.7877	3.7151 3.3213	3.7194	3.6306	3.5026	Ave		3.6128				4.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30455-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	+++++ 1.7735	1.7092 1.6422	1.7319	1.6705	1.6399	Ave		1.6945				3.1		15.0			
1,2,4-Trichlorobenzene	+++++ 1.3665	1.2352 1.2332	1.2300	1.2469	1.2643	Ave		1.2627				4.1		15.0			
Hexachlorobutadiene	1.1839 1.0964	1.1816 1.1396	1.1566	1.1552	1.1173	Ave		1.1472				2.8		15.0			
Naphthalene	+++++ 1.4195	1.4748 1.4452	1.4573	1.4616	1.5511	Ave		1.4682				3.0		15.0			
1,2,3-Trichlorobenzene	+++++ 0.9785	1.0284 1.0425	1.0017	0.9696	1.0056	Ave		1.0044				2.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30455-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-126680/2	H4455.D
Level 2	IC 280-126680/3	H4456.D
Level 3	IC 280-126680/4	H4457.D
Level 4	IC 280-126680/5	H4458.D
Level 5	IC 280-126680/6	H4459.D
Level 6	IC 280-126680/7	H4460.D
Level 7	IC 280-126680/8	H4461.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloroethene, Total	FB	Ave	+++++ 1788471	59334 3022199	113860	275686	569913	+++++ 60.0	2.00 120	4.00	10.0	20.0
Xylenes, Total	CBZ	Ave	+++++ 3941291	132413 6489798	250721	614404	1273450	+++++ 90.0	3.00 180	6.00	15.0	30.0
Chloromethane	FB	Ave	+++++ 578569	19138 1166283	36295	94532	192067	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dichlorodifluoromethane	FB	Ave	+++++ 1121778	+++++ 2310925	55726	182529	371421	+++++ 30.0	+++++ 60.0	2.00	5.00	10.0
Ethanol	FB	Lin	+++++ 75656	+++++ 120183	7726	18488	29315	+++++ 1500	+++++ 3000	100	250	500
Vinyl chloride	FB	Ave	6103 709761	22579 1443528	42789	115321	231979	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Bromomethane	FB	Ave	+++++ 692079	22889 1347105	43369	116442	230631	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroethane	FB	Ave	+++++ 477797	16311 960272	30162	80110	161039	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 1418394	48390 2746859	92773	237695	473739	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acrolein	FB	Ave	+++++ 352230	+++++ 695183	24021	60919	118262	+++++ 300	+++++ 600	20.0	50.0	100
1,1-Dichloroethene	FB	Ave	+++++ 735543	25783 1435538	47701	117149	238468	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acetone	FB	Ave	+++++ 195745	+++++ 373348	15559	34508	70415	+++++ 120	+++++ 240	8.00	20.0	40.0
Iodomethane	FB	Ave	+++++ 1955993	61951 3928084	118958	295524	613382	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acetonitrile	FB	Lin1	+++++ 100646	2340 203760	4032	15116	27354	+++++ 300	10.0 600	20.0	50.0	100
Methylene Chloride	FB	Lin2	+++++ 765454	+++++ 1402757	85158	148846	278702	+++++ 30.0	+++++ 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30455-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Methyl-2-propanol	FB	Ave	+++++ 624569	+++++ 1093589	33810	88669	188134	+++++ 600	+++++ 1200	40.0	100	200
Acrylonitrile	FB	Ave	+++++ 712121	+++++ 1183732	36448	100973	225108	+++++ 300	+++++ 600	20.0	50.0	100
trans-1,2-Dichloroethene	FB	Ave	+++++ 896574	29980 1537663	57525	137729	285068	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Butanone (MEK)	FB	Ave	+++++ 455596	15135 652743	28117	71267	153195	+++++ 120	4.00 240	8.00	20.0	40.0
1,1-Dichloroethane	FB	Ave	+++++ 1456423	49647 2667331	97533	242653	505010	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Isopropyl ether	FB	Ave	+++++ 3292009	108201 6228304	210526	530876	1101058	+++++ 150	5.00 300	10.0	25.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 891042	35002 1713348	65826	155296	315826	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Isobutyl alcohol	FB	Ave	+++++ 169086	+++++ 315927	9107	20323	52388	+++++ 600	+++++ 1200	40.0	100	200
cis-1,2-Dichloroethene	FB	Ave	+++++ 891897	29354 1484536	56335	137957	284845	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2,2-Dichloropropane	FB	Ave	+++++ 1105918	37548 +++++	74866	174886	363559	+++++ 30.0	1.00 +++++	2.00	5.00	10.0
Propionitrile	FB	Ave	+++++ 259656	+++++ 440086	14150	38182	85388	+++++ 300	+++++ 600	20.0	50.0	100
Methacrylonitrile	FB	Ave	+++++ 1432793	46399 2615711	89494	221606	489915	+++++ 300	10.0 600	20.0	50.0	100
Chlorobromomethane	FB	Ave	4120 492105	14657 950645	29872	76569	162393	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Chloroform	FB	Ave	14310 1524549	48568 2796903	94737	235786	494084	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	+++++ 1345560	43954 2641071	85797	212775	448117	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 1293224	43254 2384383	83391	201945	416518	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 1368916	45701 2524713	88544	220738	444400	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Benzene	FB	Ave	23860 2501806	79716 4370469	158068	390031	810060	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichloroethane	FB	Ave	5389 573778	18451 937815	36506	94448	197313	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dioxane	FB	Ave	+++++ 151158	+++++ 268902	7517	20651	50286	+++++ 1500	+++++ 3000	100	250	500
Trichloroethene	FB	Ave	+++++ 1096513	35058 1983057	66604	166192	336755	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30455-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloropropane	FB	Ave	+++++ 943835	29894 1759263	57342	144145	296805	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dibromomethane	FB	Ave	+++++ 545298	17002 1025331	33351	82616	176824	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dichlorobromomethane	FB	Ave	12178 1350890	40934 2510915	81767	204251	429821	0.300 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	10765 1225193	36623 2280509	73306	183553	384545	0.300 30.0	1.00 60.0	2.00	5.00	10.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	+++++ 1446072	48041 2210502	87828	232451	494660	+++++ 120	4.00 240	8.00	20.0	40.0
Toluene	FB	Ave	27334 2749977	91173 4454490	178414	432768	901665	0.300 30.0	1.00 60.0	2.00	5.00	10.0
trans-1,3-Dichloropropene	FB	Ave	+++++ 869304	26763 1613502	54241	131559	277471	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,2-Trichloroethane	FB	Ave	+++++ 569023	18431 1062872	34992	89256	185526	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Tetrachloroethene	CBZ	Ave	+++++ 1030684	31500 2014537	62756	157305	320341	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	7984 940075	28269 1706688	57331	140084	302878	0.300 30.0	1.00 60.0	2.00	5.00	10.0
2-Hexanone	CBZ	Ave	+++++ 977349	35085 1716172	65198	155179	327737	+++++ 120	4.00 240	8.00	20.0	40.0
Chlorodibromomethane	CBZ	Ave	10033 1173159	35405 2228657	70573	174176	366383	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylene Dibromide	CBZ	Ave	+++++ 802093	24271 1506540	46369	122246	258670	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1-Chlorohexane	CBZ	Ave	+++++ 1332242	48140 2285167	90663	218724	451919	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorobenzene	CBZ	Ave	19977 2077921	67027 3388912	133459	331185	688173	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	10244 1051325	32960 1730002	64267	160531	342663	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 1028736	32810 1640144	65824	158053	328087	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	+++++ 2746096	92214 4421125	171256	421546	878986	+++++ 60.0	2.00 120	4.00	10.0	20.0
o-Xylene	CBZ	Ave	+++++ 1195195	40199 2068673	79465	192858	394464	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Styrene	CBZ	Ave	+++++ 1994045	63402 3283917	127518	313509	661856	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromoform	CBZ	Ave	+++++ 618803	18406 1005007	35874	89536	196680	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30455-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Isopropylbenzene	DCB	Ave	+++++ 3172250	123133 5871834	233964	570193	1181297	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Cyclohexanone	CBZ	Ave	+++++ 464984	+++++ 601030	27146	71408	157081	+++++ 1200	+++++ 2400	80.0	200	400
1,1,2,2-Tetrachloroethane	DCB	Ave	6616 657161	24066 1203517	46612	118180	248717	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Bromobenzene	DCB	Ave	+++++ 924771	29201 1705299	58090	145816	311689	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 142768	+++++ 232777	8341	20887	46999	+++++ 30.0	+++++ 60.0	2.00	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 152562	5288 258072	10395	26983	58608	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
N-Propylbenzene	DCB	Ave	+++++ 952992	33334 1574680	64028	151579	324387	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Chlorotoluene	DCB	Ave	+++++ 839675	27664 1363658	54284	127600	279836	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 2581726	87703 4233032	167670	420232	867976	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Chlorotoluene	DCB	Ave	+++++ 903802	30919 1542605	58710	145811	304601	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
tert-Butylbenzene	DCB	Ave	+++++ 3067121	104627 5078659	201298	500630	1024221	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 2427589	85502 4017319	163624	403955	831053	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
sec-Butylbenzene	DCB	Ave	+++++ 833221	27737 1407053	54816	131294	270144	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 1597516	55763 2732028	102390	260478	527399	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Isopropyltoluene	DCB	Ave	+++++ 3277973	118402 5613254	224399	548511	1125882	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	19602 1760692	59662 3364923	119366	290502	632405	0.300 30.0	1.00 60.0	2.00	5.00	10.0
n-Butylbenzene	DCB	Ave	+++++ 2844005	101886 4659714	195547	467182	976746	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 1331660	46875 2303951	91057	214956	457307	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 1026006	33874 1730209	64669	160452	352564	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Hexachlorobutadiene	DCB	Ave	9220 823223	32404 1598882	60806	148649	311581	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Naphthalene	DCB	Ave	+++++ 1065817	40446 2027642	76617	188073	432537	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30455-1 Analy Batch No.: 126680

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/02/2012 12:30 Calibration End Date: 07/02/2012 14:44 Calibration ID: 9915

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 734739	28204 1462674	52665	124768	280426	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4455.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 12:30
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,M0.3
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	61 Fluorobenzene	96	7.613	7.613	(1.000)	946509	12.5000	
*	86 Chlorobenzene-d5	119	11.948	11.948	(1.000)	243157	12.5000	
*	112 1,4-Dichlorobenzene-d4	152	14.751	14.751	(1.000)	324504	12.5000	
M	1 1,2-Dichloroethene (total)	96				19118	0.60000	0.677944(a)
M	2 Xylene (total)	106				37637	0.90000	0.814858(a)
M	3 1,3-Dichloropropene (total)	75				18683	0.60000	0.576167(a)
M	4 Trihalomethanes (total)	83				41407	1.20000	1.07692
	5 Chlorotrifluoroethene	116	Compound Not Detected.					
	6 dichlorodifluoromethane	85	2.634	2.634	(0.346)	7751	0.30000	0.217662(aQ)
	8 Chloromethane	50	Compound Not Detected.					
	9 Vinyl Chloride	62	2.965	2.965	(0.389)	6103	0.30000	0.269680(aQ)
	10 2-Chloro-1,1,1-trifluoroethane	118	3.017	3.017	(0.396)	11421	0.30000	0.282518(a)
	12 Bromomethane	94	3.278	3.278	(0.431)	7013	0.30000	0.308159(aQ)
	13 Chloroethane	64	3.348	3.348	(0.440)	4752	0.30000	0.298502(aQ)
	15 Trichlorofluoromethane	101	3.609	3.609	(0.474)	14745	0.30000	0.312691(aQ)
	16 Ethanol	45	Compound Not Detected.					
	21 1,1-Dichloroethene	96	4.183	4.183	(0.550)	9095	0.30000	0.375266(a)
	25 Iodomethane	142	4.375	4.375	(0.575)	18238	0.30000	0.293561(a)
	27 Acetonitrile	41	4.705	4.705	(0.618)	2390	3.00000	12.6896(aQ)
	30 Methylene Chloride	84	4.705	4.705	(0.618)	50680	0.30000	0.518683(a)
	32 Acrylonitrile	53	4.984	4.984	(0.655)	3584	3.00000	1.71291(aQ)
	34 trans-1,2-Dichloroethene	96	5.001	5.001	(0.657)	9799	0.30000	0.345231(a)

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
38 Isopropyl ether	87	5.524	5.524	(0.726)	30171	1.50000	1.40648(a)
36 1,1-Dichloroethane	63	5.489	5.489	(0.721)	15071	0.30000	0.311249(aQ)
39 Chloroprene	53	5.576	5.576	(0.732)	10181	0.30000	0.323420(a)
42 2-Butanone	43	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	6.185	6.185	(0.812)	9319	0.30000	0.332713(a)
43 2,2-Dichloropropane	77	6.203	6.203	(0.815)	11212	0.30000	0.307226(a)
47 Methacrylonitrile	41	6.464	6.464	(0.849)	12457	3.00000	2.70997(a)
48 Bromochloromethane	128	6.481	6.481	(0.851)	4120	0.30000	0.269090(a)
50 Chloroform	83	6.568	6.568	(0.863)	14310	0.30000	0.296618(a)
52 1,1,1-Trichloroethane	97	6.812	6.812	(0.895)	13812	0.30000	0.314852(a)
56 Isobutanol	41	Compound Not Detected.					
54 1,1-Dichloropropene	75	7.004	7.004	(0.920)	13394	0.30000	0.321582(a)
55 Carbon Tetrachloride	117	7.021	7.021	(0.922)	13189	0.30000	0.297072(a)
59 1,2-Dichloroethane	62	7.299	7.299	(0.959)	5389	0.30000	0.294620(aQ)
58 Benzene	78	7.265	7.265	(0.954)	23860	0.30000	0.301701(a)
63 Trichloroethene	95	8.083	8.083	(1.062)	11493	0.30000	0.336490(a)
66 1,2-Dichloropropane	63	8.414	8.414	(1.105)	8158	0.30000	0.275112(aQ)
69 1,4-Dioxane	88	Compound Not Detected.					
68 Dibromomethane	93	8.588	8.588	(1.128)	4902	0.30000	0.285069(a)
70 Bromodichloromethane	83	8.762	8.762	(1.151)	12178	0.30000	0.290736(aQ)
73 cis-1,3-Dichloropropene	75	9.371	9.371	(1.231)	10765	0.30000	0.286240(a)
74 4-Methyl-2-pentanone	43	9.580	9.580	(1.258)	17685	1.20000	1.55573(a)
76 Toluene	91	9.841	9.841	(1.293)	27334	0.30000	0.311612(a)
79 1,1,2-Trichloroethane	97	10.485	10.485	(1.377)	6009	0.30000	0.330626(a)
82 2-Hexanone	43	10.851	10.851	(0.908)	19574	1.20000	2.19219(aQ)
81 1,3-Dichloropropane	76	10.764	10.764	(0.901)	7984	0.30000	0.251793(a)
80 Tetrachloroethene	164	10.694	10.694	(0.895)	8716	0.30000	0.240566(a)
83 Dibromochloromethane	129	11.112	11.112	(0.930)	10033	0.30000	0.252963(a)
85 1,2-Dibromoethane	107	11.304	11.304	(0.946)	6611	0.30000	0.237263(a)
87 1-Chlorohexane	91	11.930	11.930	(0.999)	15680	0.30000	0.319586(aQ)
88 Chlorobenzene	112	12.000	12.000	(1.004)	19977	0.30000	0.276798(aQ)
89 1,1,1,2-Tetrachloroethane	131	12.105	12.105	(1.013)	10244	0.30000	0.285139(a)
90 Ethylbenzene	106	12.122	12.122	(1.015)	9834	0.30000	0.276797(a)
91 m and p-Xylene	106	12.296	12.296	(1.029)	26056	0.60000	0.546016(a)
92 o-Xylene	106	12.801	12.801	(1.071)	11581	0.30000	0.268842(a)
93 Styrene	104	12.818	12.818	(1.073)	17314	0.30000	0.247623(a)
94 Bromoform	173	13.079	13.079	(1.095)	4886	0.30000	0.236603(a)
95 isopropyl benzene	105	13.254	13.254	(0.899)	35654	0.30000	0.316729(a)
99 1,1,2,2-Tetrachloroethane	83	13.619	13.619	(0.923)	6616	0.30000	0.289746(aQ)
101 1,2,3-Trichloropropane	110	13.671	13.671	(0.927)	1560	0.30000	0.301079(a)
100 Bromobenzene	156	13.637	13.637	(0.924)	8403	0.30000	0.282792(a)
103 n-Propylbenzene	120	13.741	13.741	(0.932)	9442	0.30000	0.304524(a)
104 2-Chlorotoluene	126	13.845	13.845	(0.939)	7680	0.30000	0.289723(a)
105 1,3,5-Trimethylbenzene	105	13.933	13.933	(0.945)	26363	0.30000	0.317002(a)
106 4-Chlorotoluene	126	13.985	13.985	(0.948)	8837	0.30000	0.301565(a)
107 tert-Butylbenzene	119	14.316	14.316	(0.970)	33414	0.30000	0.337060(a)
108 1,2,4-Trimethylbenzene	105	14.368	14.368	(0.974)	25989	0.30000	0.325637(a)
109 sec-Butylbenzene	134	14.542	14.542	(0.986)	8794	0.30000	0.330182(a)
111 4-Isopropyltoluene	119	14.699	14.699	(0.996)	37178	0.30000	0.340274(a)
110 1,3-Dichlorobenzene	146	14.681	14.681	(0.995)	14452	0.30000	0.279018(a)
113 1,4-dichlorobenzene	146	14.768	14.768	(1.001)	19602	0.30000	0.325634(aQ)
115 n-Butylbenzene	91	15.116	15.116	(1.025)	30323	0.30000	0.323311(a)
116 1,2-Dichlorobenzene	146	15.151	15.151	(1.027)	12961	0.30000	0.294630(a)
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
118 1,2,4-Trichlorobenzene	180	16.701	16.701	(1.132)	9979	0.30000	0.304427(a)
119 Hexachlorobutadiene	225	16.840	16.840	(1.142)	9220	0.30000	0.309582(a)
120 Naphthalene	128	16.944	16.944	(1.149)	11900	0.30000	0.312205(a)
121 1,2,3-Trichlorobenzene	180	17.188	17.188	(1.165)	8161	0.30000	0.312986(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: H4455.D

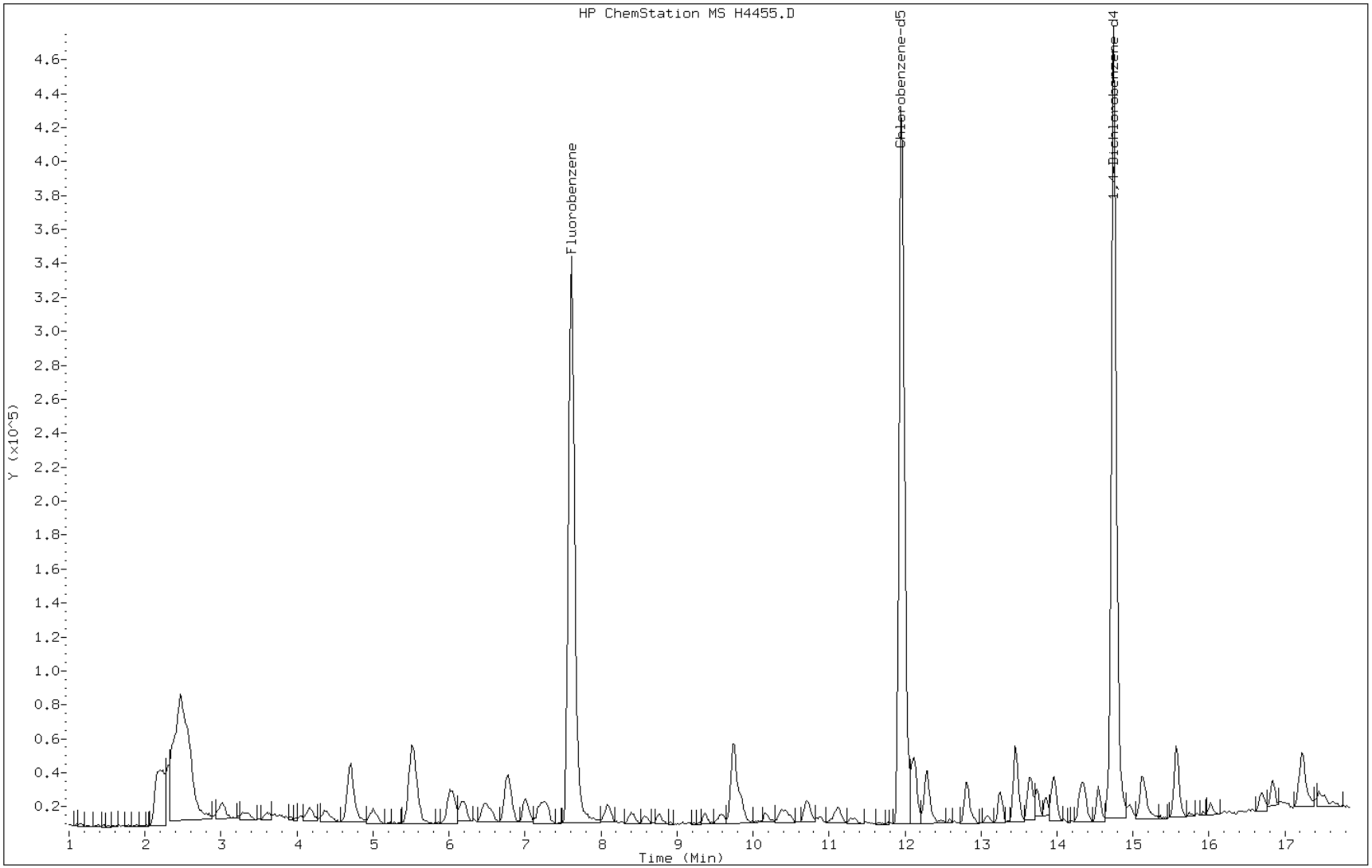
Date: 02-JUL-2012 12:30

Client ID: IC

Instrument: H.i

Sample Info: IC,,M0.3

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4456.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 12:52
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,M1.0
Misc Info :
Comment :
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Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 12:30 Cal File: H4455.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61	Fluorobenzene	96	7.614	7.614	(1.000)	959230	12.5000	
* 86	Chlorobenzene-d5	119	11.966	11.966	(1.000)	232303	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.752	14.752	(1.000)	342812	12.5000	
M 1	1,2-Dichloroethene (total)	96				59334	2.00000	2.07634
M 2	Xylene (total)	106				132413	3.00000	2.99946
M 3	1,3-Dichloropropene (total)	75				63386	2.00000	1.92785
M 4	Trihalomethanes (total)	83				143313	4.00000	3.82499
5	Chlorotrifluoroethene	116	2.600	2.600	(0.342)	11020	1.00000	1.24290
6	dichlorodifluoromethane	85	2.635	2.635	(0.346)	25705	1.00000	0.712272(a)
8	Chloromethane	50	2.826	2.826	(0.371)	19138	1.00000	0.992134(a)
9	Vinyl Chloride	62	2.966	2.966	(0.390)	22579	1.00000	0.984494(a)
10	2-Chloro-1,1,1-trifluoroethane	118	3.018	3.018	(0.396)	40967	1.00000	0.999950(a)
12	Bromomethane	94	3.296	3.296	(0.433)	22889	1.00000	0.992430(a)
13	Chloroethane	64	3.366	3.366	(0.442)	16311	1.00000	1.01100(aQ)
15	Trichlorofluoromethane	101	3.610	3.610	(0.474)	48390	1.00000	1.01258(aQ)
16	Ethanol	45	Compound Not Detected.					
20	Acrolein	56	4.062	4.062	(0.534)	12697	10.0000	10.5157(aQ)
22	Acetone	43	4.219	4.219	(0.554)	9773	4.00000	5.57633(aQ)
21	1,1-Dichloroethene	96	4.167	4.167	(0.547)	25783	1.00000	1.04972
25	Iodomethane	142	4.376	4.376	(0.575)	61951	1.00000	0.983948(a)
27	Acetonitrile	41	4.689	4.689	(0.616)	2340	10.0000	12.4523(aQ)
31	tert-Butyl alcohol	59	4.794	4.794	(0.630)	17556	20.0000	18.6792(aQ)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
30 Methylene Chloride	84	4.689	4.689	(0.616)	58973	1.00000	0.839838(a)
32 Acrylonitrile	53	4.985	4.985	(0.655)	20391	10.0000	9.61630(aQ)
34 trans-1,2-Dichloroethene	96	5.003	5.003	(0.657)	29980	1.00000	1.04223
38 Isopropyl ether	87	5.525	5.525	(0.726)	108201	5.00000	4.97710(a)
36 1,1-Dichloroethane	63	5.490	5.490	(0.721)	49647	1.00000	1.01172(Q)
39 Chloroprene	53	5.577	5.577	(0.732)	35002	1.00000	1.09716
42 2-Butanone	43	6.169	6.169	(0.810)	15135	4.00000	4.22826(a)
41 cis-1,2-Dichloroethene	96	6.186	6.186	(0.813)	29354	1.00000	1.03412
45 Propionitrile	54	6.291	6.291	(0.826)	6093	10.0000	7.64380(aQ)
43 2,2-Dichloropropane	77	6.204	6.204	(0.815)	37548	1.00000	1.01523(a)
47 Methacrylonitrile	41	6.448	6.448	(0.847)	46399	10.0000	9.96004(a)
48 Bromochloromethane	128	6.482	6.482	(0.851)	14657	1.00000	0.944601(a)
50 Chloroform	83	6.552	6.552	(0.861)	48568	1.00000	0.993368(a)
52 1,1,1-Trichloroethane	97	6.813	6.813	(0.895)	43954	1.00000	0.988667(a)
54 1,1-Dichloropropene	75	6.987	6.987	(0.918)	43254	1.00000	1.02473
55 Carbon Tetrachloride	117	7.022	7.022	(0.922)	45701	1.00000	1.01573
59 1,2-Dichloroethane	62	7.283	7.283	(0.957)	18451	1.00000	0.995349(aQ)
58 Benzene	78	7.266	7.266	(0.954)	79716	1.00000	0.994612(a)
62 n-Butanol	56	7.980	7.980	(1.048)	7421	30.0000	25.8789(aQ)
63 Trichloroethene	95	8.084	8.084	(1.062)	35058	1.00000	1.01281
66 1,2-Dichloropropane	63	8.397	8.397	(1.103)	29894	1.00000	0.994745(aQ)
68 Dibromomethane	93	8.571	8.571	(1.126)	17002	1.00000	0.975616(a)
70 Bromodichloromethane	83	8.763	8.763	(1.151)	40934	1.00000	0.964295(aQ)
73 cis-1,3-Dichloropropene	75	9.372	9.372	(1.231)	36623	1.00000	0.960888(a)
74 4-Methyl-2-pentanone	43	9.581	9.581	(1.258)	48041	4.00000	4.17006(a)
76 Toluene	91	9.842	9.842	(1.293)	91173	1.00000	1.02560
77 trans-1,3-Dichloropropene	75	10.173	10.173	(1.336)	26763	1.00000	0.966963(a)
79 1,1,2-Trichloroethane	97	10.469	10.469	(1.375)	18431	1.00000	1.00066
82 2-Hexanone	43	10.870	10.870	(0.908)	35085	4.00000	4.11294(aQ)
81 1,3-Dichloropropane	76	10.748	10.748	(0.898)	28269	1.00000	0.933181(a)
80 Tetrachloroethene	164	10.713	10.713	(0.895)	31500	1.00000	0.910038(a)
83 Dibromochloromethane	129	11.113	11.113	(0.929)	35405	1.00000	0.934377(a)
85 1,2-Dibromoethane	107	11.305	11.305	(0.945)	24271	1.00000	0.911763(a)
87 1-Chlorohexane	91	11.932	11.932	(0.997)	48140	1.00000	1.02702
88 Chlorobenzene	112	12.001	12.001	(1.003)	67027	1.00000	0.972107(a)
89 1,1,1,2-Tetrachloroethane	131	12.106	12.106	(1.012)	32960	1.00000	0.960298(a)
90 Ethylbenzene	106	12.123	12.123	(1.013)	32810	1.00000	0.966649(a)
91 m and p-Xylene	106	12.297	12.297	(1.028)	92214	2.00000	2.02268
92 o-Xylene	106	12.802	12.802	(1.070)	40199	1.00000	0.976783
93 Styrene	104	12.819	12.819	(1.071)	63402	1.00000	0.949135(a)
94 Bromoform	173	13.081	13.081	(1.093)	18406	1.00000	0.932948(a)
95 isopropyl benzene	105	13.255	13.255	(0.899)	123133	1.00000	1.03542
97 Cyclohexanone	55	13.394	13.394	(1.119)	19225	40.0000	52.0914(aQ)
99 1,1,2,2-Tetrachloroethane	83	13.638	13.638	(0.924)	24066	1.00000	0.997676(aQ)
101 1,2,3-Trichloropropane	110	13.672	13.672	(0.927)	5288	1.00000	0.966078(a)
100 Bromobenzene	156	13.638	13.638	(0.924)	29201	1.00000	0.930238(a)
103 n-Propylbenzene	120	13.742	13.742	(0.932)	33334	1.00000	1.01768
104 2-Chlorotoluene	126	13.864	13.864	(0.940)	27664	1.00000	0.987873(a)
105 1,3,5-Trimethylbenzene	105	13.934	13.934	(0.945)	87703	1.00000	0.998263(a)
106 4-Chlorotoluene	126	13.986	13.986	(0.948)	30919	1.00000	0.998770(a)
107 tert-Butylbenzene	119	14.317	14.317	(0.970)	104627	1.00000	0.999050(a)
108 1,2,4-Trimethylbenzene	105	14.369	14.369	(0.974)	85502	1.00000	1.01411
109 sec-Butylbenzene	134	14.543	14.543	(0.986)	27737	1.00000	0.985803(a)
111 4-Isopropyltoluene	119	14.700	14.700	(0.996)	118402	1.00000	1.02581

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
110 1,3-Dichlorobenzene	146	14.682	14.682	(0.995)	55763	1.00000	1.01909
113 1,4-dichlorobenzene	146	14.769	14.769	(1.001)	59662	1.00000	0.938192(a)
115 n-Butylbenzene	91	15.117	15.117	(1.025)	101886	1.00000	1.02832
116 1,2-Dichlorobenzene	146	15.152	15.152	(1.027)	46875	1.00000	1.00866
117 1,2-Dibromo-3-chloropropane	157	15.918	15.918	(1.079)	4123	1.00000	0.888978(aQ)
118 1,2,4-Trichlorobenzene	180	16.702	16.702	(1.132)	33874	1.00000	0.978198(a)
119 Hexachlorobutadiene	225	16.841	16.841	(1.142)	32404	1.00000	1.02993
120 Naphthalene	128	16.945	16.945	(1.149)	40446	1.00000	1.00446
121 1,2,3-Trichlorobenzene	180	17.189	17.189	(1.165)	28204	1.00000	1.02390

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: H4456.D

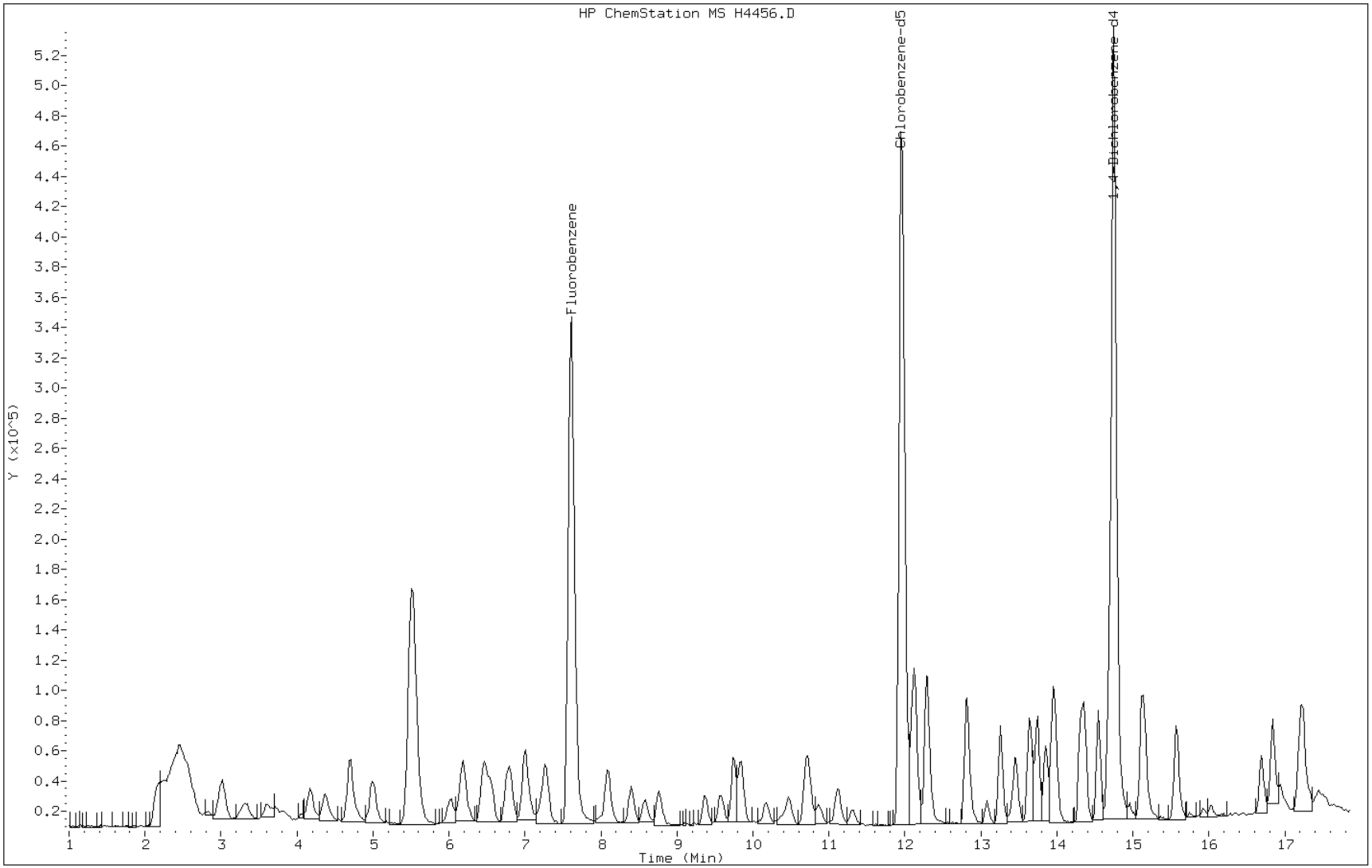
Date: 02-JUL-2012 12:52

Client ID: IC

Instrument: H.i

Sample Info: IC,,M1.0

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4457.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 13:15
Operator : MEIERG Inst ID: H.i
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Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 16:13 Cal File: H4465.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
*	61 Fluorobenzene	96	7.610	7.610	(1.000)	942210	12.5000	
*	86 Chlorobenzene-d5	119	11.963	11.963	(1.000)	223858	12.5000	
*	112 1,4-Dichlorobenzene-d4	152	14.748	14.748	(1.000)	328595	12.5000	
M	1 1,2-Dichloroethene (total)	96				113860	4.00000	4.05641
M	2 Xylene (total)	106				250721	6.00000	5.90188
M	3 1,3-Dichloropropene (total)	75				127547	4.00000	3.95325
M	4 Trihalomethanes (total)	83				282951	8.00000	7.75339
	5 Chlorotrifluoroethene	116	2.614	2.614	(0.343)	21493	2.00000	1.76911
	6 dichlorodifluoromethane	85	2.666	2.666	(0.350)	55726	2.00000	1.57203(a)
	8 Chloromethane	50	2.840	2.840	(0.373)	36295	2.00000	1.91556(aQ)
	9 Vinyl Chloride	62	2.979	2.979	(0.392)	42789	2.00000	1.89940(Q)
	10 2-Chloro-1,1,1-trifluoroethane	118	3.031	3.031	(0.398)	80185	2.00000	1.99256
	12 Bromomethane	94	3.310	3.310	(0.435)	43369	2.00000	1.91438(a)
	13 Chloroethane	64	3.362	3.362	(0.442)	30162	2.00000	1.90330(a)
	15 Trichlorofluoromethane	101	3.623	3.623	(0.476)	92773	2.00000	1.97638(aQM)
	20 Acrolein	56	4.076	4.076	(0.536)	24021	20.0000	20.2537
	22 Acetone	43	4.233	4.233	(0.556)	15559	8.00000	9.03810(aM)
	21 1,1-Dichloroethene	96	4.181	4.181	(0.549)	47701	2.00000	1.97715
	25 Iodomethane	142	4.372	4.372	(0.575)	118958	2.00000	1.92350
	27 Acetonitrile	41	4.564	4.564	(0.600)	4032	20.0000	17.5520(aQH)
	31 tert-Butyl alcohol	59	4.825	4.825	(0.634)	33810	40.0000	36.6230(a)
	30 Methylene Chloride	84	4.703	4.703	(0.618)	85158	2.00000	2.00952(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
32	Acrylonitrile	53	4.981	4.981	(0.655)	36448	20.0000	17.4992(a)
34	trans-1,2-Dichloroethene	96	4.999	4.999	(0.657)	57525	2.00000	2.03593
38	Isopropyl ether	87	5.521	5.521	(0.725)	210526	10.0000	9.85884(a)
36	1,1-Dichloroethane	63	5.504	5.504	(0.723)	97533	2.00000	2.02346
39	Chloroprene	53	5.591	5.591	(0.735)	65826	2.00000	2.10063
42	2-Butanone	43	6.183	6.183	(0.812)	28117	8.00000	7.99693
41	cis-1,2-Dichloroethene	96	6.183	6.183	(0.812)	56335	2.00000	2.02048
45	Propionitrile	54	6.304	6.304	(0.828)	14150	20.0000	18.0721(aQ)
43	2,2-Dichloropropane	77	6.200	6.200	(0.815)	74866	2.00000	2.06081(a)
47	Methacrylonitrile	41	6.461	6.461	(0.849)	89494	20.0000	19.5579
48	Bromochloromethane	128	6.479	6.479	(0.851)	29872	2.00000	1.95994
50	Chloroform	83	6.566	6.566	(0.863)	94737	2.00000	1.97267
52	1,1,1-Trichloroethane	97	6.809	6.809	(0.895)	85797	2.00000	1.96471
56	Isobutanol	41	7.105	7.105	(0.934)	9107	40.0000	36.8856(a)
54	1,1-Dichloropropene	75	7.001	7.001	(0.920)	83391	2.00000	2.01130
55	Carbon Tetrachloride	117	7.018	7.018	(0.922)	88544	2.00000	2.00349
59	1,2-Dichloroethane	62	7.297	7.297	(0.959)	36506	2.00000	2.00491
58	Benzene	78	7.262	7.262	(0.954)	158068	2.00000	2.00783
62	n-Butanol	56	7.993	7.993	(1.050)	17292	60.0000	61.3909
63	Trichloroethene	95	8.098	8.098	(1.064)	66604	2.00000	1.95892
66	1,2-Dichloropropane	63	8.394	8.394	(1.103)	57342	2.00000	1.94256
69	1,4-Dioxane	88	8.603	8.603	(1.130)	7517	100.000	83.9814(a)
68	Dibromomethane	93	8.585	8.585	(1.128)	33351	2.00000	1.94833
70	Bromodichloromethane	83	8.777	8.777	(1.153)	81767	2.00000	1.96100
73	cis-1,3-Dichloropropene	75	9.369	9.369	(1.231)	73306	2.00000	1.95809
74	4-Methyl-2-pentanone	43	9.577	9.577	(1.258)	87828	8.00000	7.76137
76	Toluene	91	9.839	9.839	(1.293)	178414	2.00000	2.04323
77	trans-1,3-Dichloropropene	75	10.169	10.169	(1.336)	54241	2.00000	1.99516(a)
79	1,1,2-Trichloroethane	97	10.483	10.483	(1.377)	34992	2.00000	1.93411
82	2-Hexanone	43	10.866	10.866	(0.908)	65198	8.00000	7.93134
81	1,3-Dichloropropane	76	10.744	10.744	(0.898)	57331	2.00000	1.96394
80	Tetrachloroethene	164	10.709	10.709	(0.895)	62756	2.00000	1.88142
83	Dibromochloromethane	129	11.127	11.127	(0.930)	70573	2.00000	1.93276
85	1,2-Dibromoethane	107	11.318	11.318	(0.946)	46369	2.00000	1.80761
87	1-Chlorohexane	91	11.945	11.945	(0.999)	90663	2.00000	2.00718
88	Chlorobenzene	112	11.997	11.997	(1.003)	133459	2.00000	2.00860
89	1,1,1,2-Tetrachloroethane	131	12.119	12.119	(1.013)	64267	2.00000	1.94307
90	Ethylbenzene	106	12.137	12.137	(1.015)	65824	2.00000	2.01247
91	m and p-Xylene	106	12.293	12.293	(1.028)	171256	4.00000	3.89814
92	o-Xylene	106	12.798	12.798	(1.070)	79465	2.00000	2.00374
93	Styrene	104	12.816	12.816	(1.071)	127518	2.00000	1.98097
94	Bromoform	173	13.077	13.077	(1.093)	35874	2.00000	1.88695
95	isopropyl benzene	105	13.251	13.251	(0.898)	233964	2.00000	2.05252
97	Cyclohexanone	55	13.408	13.408	(1.121)	27146	80.0000	76.3287(a)
99	1,1,2,2-Tetrachloroethane	83	13.634	13.634	(0.924)	46612	2.00000	2.01594
101	1,2,3-Trichloropropane	110	13.686	13.686	(0.928)	10395	2.00000	1.98125
100	Bromobenzene	156	13.634	13.634	(0.924)	58090	2.00000	1.93060
103	n-Propylbenzene	120	13.738	13.738	(0.932)	64028	2.00000	2.03933
104	2-Chlorotoluene	126	13.860	13.860	(0.940)	54284	2.00000	2.02233
105	1,3,5-Trimethylbenzene	105	13.947	13.947	(0.946)	167670	2.00000	1.99104
106	4-Chlorotoluene	126	13.982	13.982	(0.948)	58710	2.00000	1.97855
107	tert-Butylbenzene	119	14.313	14.313	(0.970)	201298	2.00000	2.00529
108	1,2,4-Trimethylbenzene	105	14.365	14.365	(0.974)	163624	2.00000	2.02465
109	sec-Butylbenzene	134	14.539	14.539	(0.986)	54816	2.00000	2.03251

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
111 4-Isopropyltoluene	119	14.696	14.696	(0.996)	224399	2.00000	2.02826
110 1,3-Dichlorobenzene	146	14.678	14.678	(0.995)	102390	2.00000	1.95218
113 1,4-dichlorobenzene	146	14.766	14.766	(1.001)	119366	2.00000	1.95826
115 n-Butylbenzene	91	15.114	15.114	(1.025)	195547	2.00000	2.05901
116 1,2-Dichlorobenzene	146	15.166	15.166	(1.028)	91057	2.00000	2.04414
117 1,2-Dibromo-3-chloropropane	157	15.932	15.932	(1.080)	8341	2.00000	1.87625(a)
118 1,2,4-Trichlorobenzene	180	16.698	16.698	(1.132)	64669	2.00000	1.94828
119 Hexachlorobutadiene	225	16.837	16.837	(1.142)	60806	2.00000	2.01628
120 Naphthalene	128	16.942	16.942	(1.149)	76617	2.00000	1.98508
121 1,2,3-Trichlorobenzene	180	17.185	17.185	(1.165)	52665	2.00000	1.99463

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: H4457.D

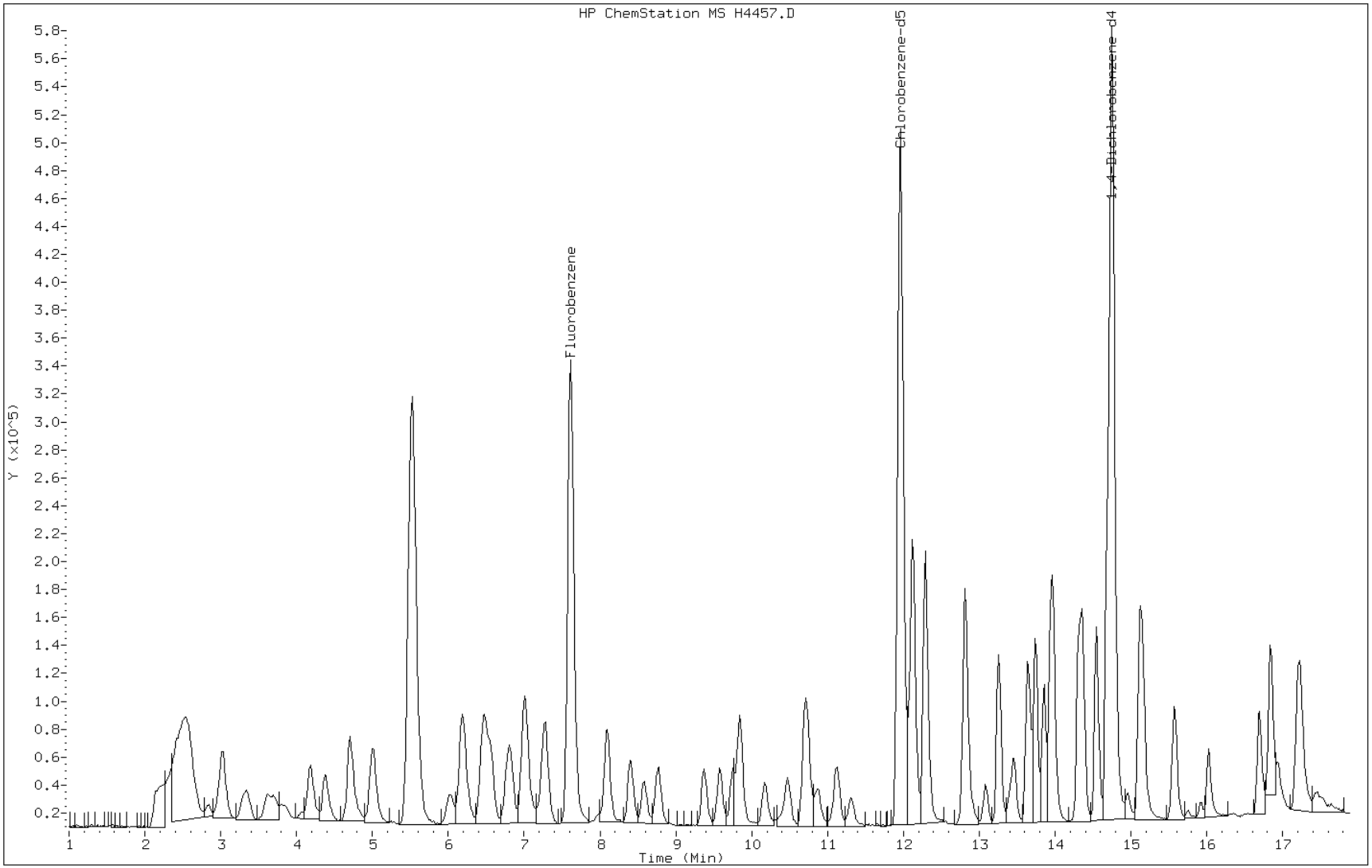
Date: 02-JUL-2012 13:15

Client ID: IC

Instrument: H.i

Sample Info: IC,,M2.0

Operator: MEIERG



Manual Integration Report

Data File: H4457.D
Inj. Date and Time: 02-JUL-2012 13:15
Instrument ID: H.i
Client ID: IC
Compound: 22 Acetone
CAS #: 67-64-1
Report Date: 07/05/2012

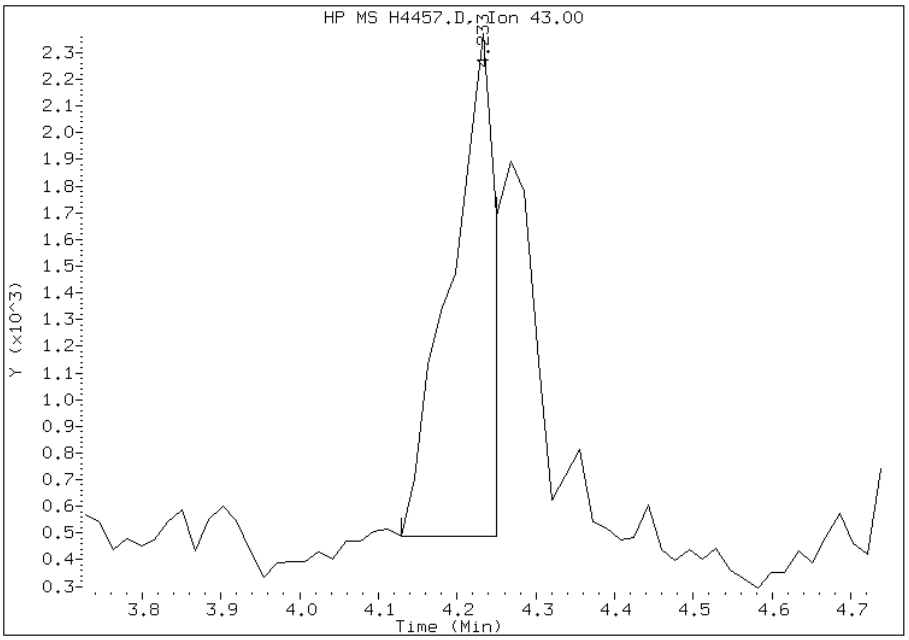
Processing Integration Results

RT: 4.23

Response: 7551

Amount: 6

Conc: 6



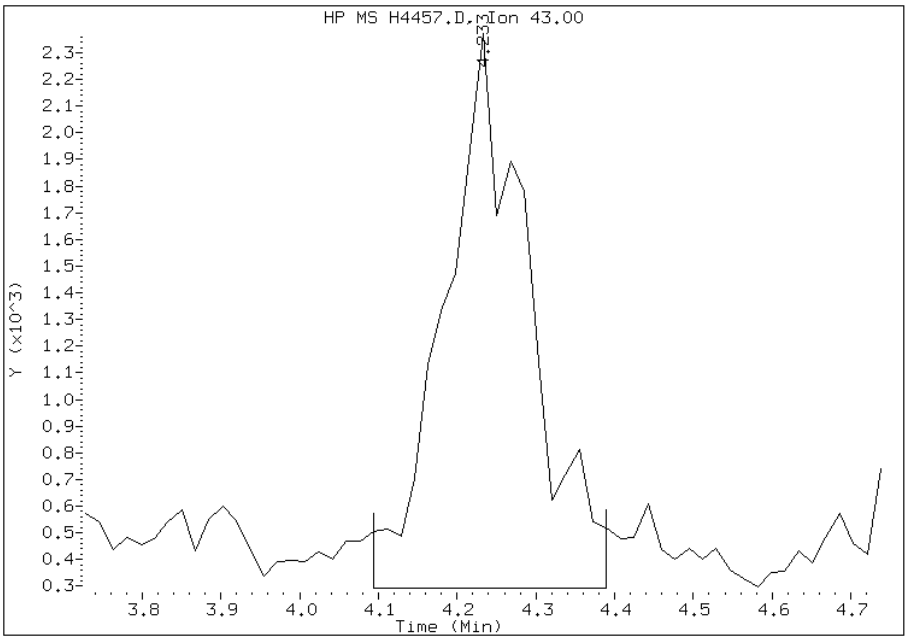
Manual Integration Results

RT: 4.23

Response: 15559

Amount: 9

Conc: 9



Manually Integrated By: meierg
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: H4457.D
Inj. Date and Time: 02-JUL-2012 13:15
Instrument ID: H.i
Client ID: IC
Compound: 15 Trichlorofluoromethane
CAS #: 75-69-4
Report Date: 07/05/2012

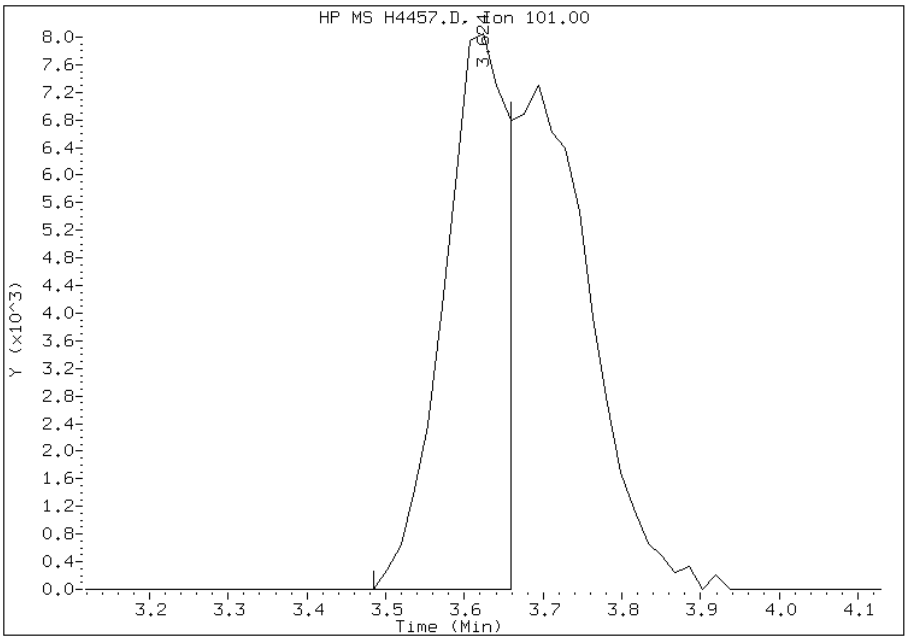
Processing Integration Results

RT: 3.62

Response: 46819

Amount: 1

Conc: 1



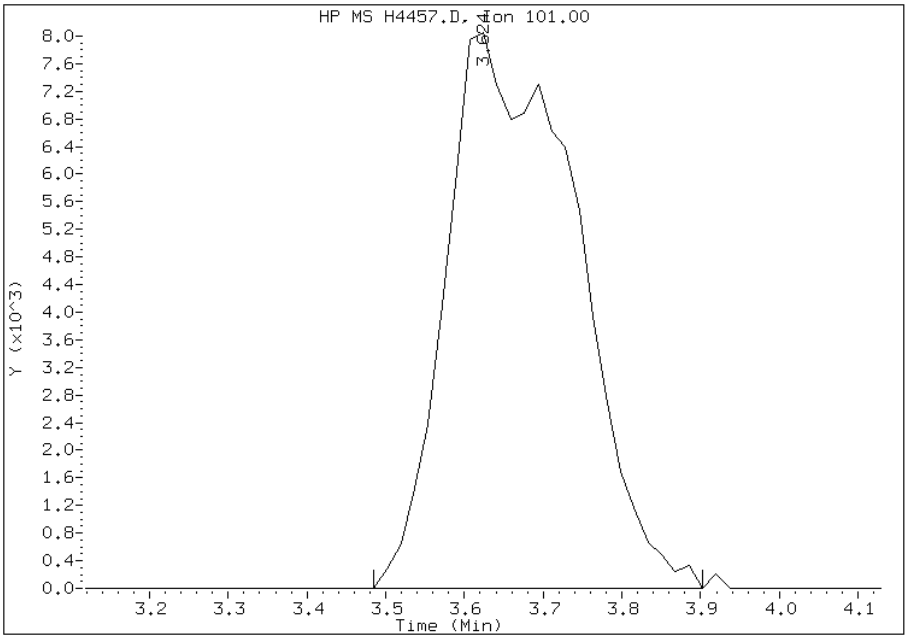
Manual Integration Results

RT: 3.62

Response: 92773

Amount: 2

Conc: 2



Manually Integrated By: meierg
Manual Integration Reason: Split Peak

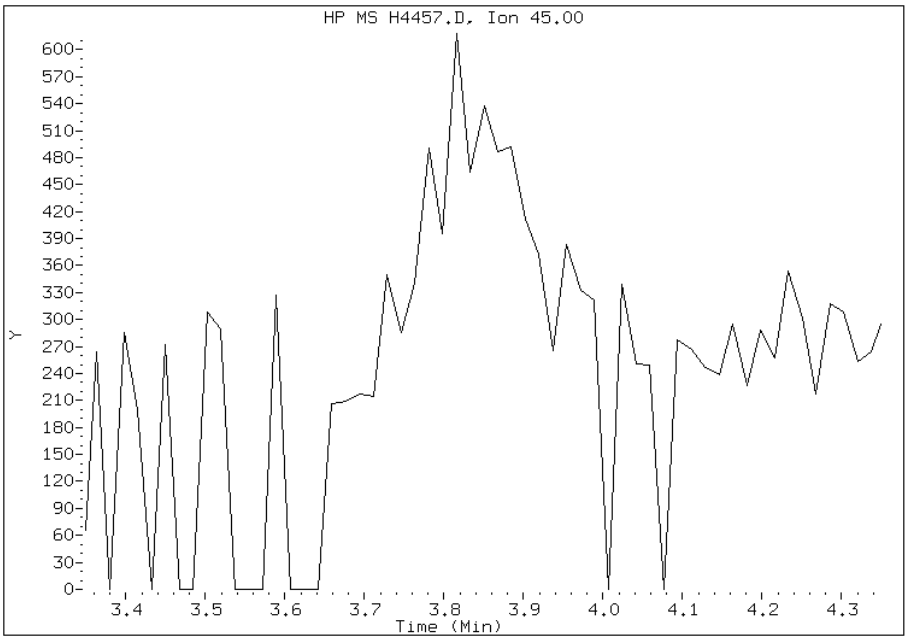
Manual Integration Report

Data File: H4457.D
Inj. Date and Time: 02-JUL-2012 13:15
Instrument ID: H.i
Client ID: IC
Compound: 16 Ethanol
CAS #: 64-17-5
Report Date: 07/05/2012

Processing Integration Results

Not Detected

Expected RT: 3.85



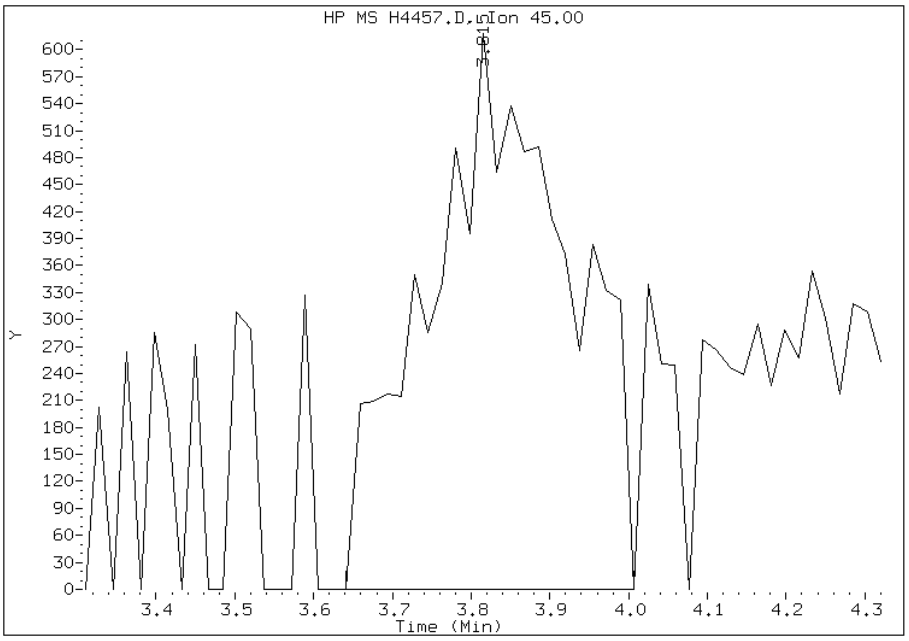
Manual Integration Results

RT: 3.82

Response: 7726

Amount: -10

Conc: -10



Manually Integrated By: meierg
Manual Integration Reason: Analyte not Identified by the Data System

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4458.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 13:37
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,M5.0
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 16:35 Cal File: H4466.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	61 Fluorobenzene	96	7.615	7.615	(1.000)	914880	12.5000	
*	86 Chlorobenzene-d5	119	11.967	11.967	(1.000)	217191	12.5000	
*	112 1,4-Dichlorobenzene-d4	152	14.753	14.753	(1.000)	321698	12.5000	
M	1 1,2-Dichloroethene (total)	96				275686	10.0000	10.1158
M	2 Xylene (total)	106				614404	15.0000	14.9020
M	3 1,3-Dichloropropene (total)	75				315112	10.0000	10.0331
M	4 Trihalomethanes (total)	83				703749	20.0000	19.8718
	5 Chlorotrifluoroethene	116	2.618	2.618	(0.344)	81064	5.00000	4.82684
	6 dichlorodifluoromethane	85	2.653	2.653	(0.348)	182529	5.00000	5.30296
	8 Chloromethane	50	2.845	2.845	(0.374)	94532	5.00000	5.13820
	9 Vinyl Chloride	62	2.984	2.984	(0.392)	115321	5.00000	5.27200
	10 2-Chloro-1,1,1-trifluoroethane	118	3.036	3.036	(0.399)	196682	5.00000	5.03347
	12 Bromomethane	94	3.315	3.315	(0.435)	116442	5.00000	5.29348
	13 Chloroethane	64	3.367	3.367	(0.442)	80110	5.00000	5.20617
	15 Trichlorofluoromethane	101	3.611	3.611	(0.474)	237695	5.00000	5.21497(Q)
	16 Ethanol	45	3.837	3.837	(0.504)	18488	250.000	277.445(aQM)
	20 Acrolein	56	4.063	4.063	(0.534)	60919	50.0000	52.8994
	22 Acetone	43	4.237	4.237	(0.556)	34508	20.0000	20.6442
	21 1,1-Dichloroethene	96	4.185	4.185	(0.550)	117149	5.00000	5.00075
	25 Iodomethane	142	4.377	4.377	(0.575)	295524	5.00000	4.92125
	27 Acetonitrile	41	4.586	4.586	(0.602)	15116	50.0000	51.4878(QH)
	31 tert-Butyl alcohol	59	4.812	4.812	(0.632)	88669	100.000	98.9154

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
30 Methylene Chloride	84	4.707	4.707	(0.618)	148846	5.00000	4.93613(a)
32 Acrylonitrile	53	4.986	4.986	(0.655)	100973	50.0000	49.9268
34 trans-1,2-Dichloroethene	96	5.003	5.003	(0.657)	137729	5.00000	5.02012
38 Isopropyl ether	87	5.526	5.526	(0.726)	530876	25.0000	25.6033
36 1,1-Dichloroethane	63	5.491	5.491	(0.721)	242653	5.00000	5.18456
39 Chloroprene	53	5.595	5.595	(0.735)	155296	5.00000	5.10384
42 2-Butanone	43	6.187	6.187	(0.813)	71267	20.0000	20.8750
41 cis-1,2-Dichloroethene	96	6.187	6.187	(0.813)	137957	5.00000	5.09570
45 Propionitrile	54	6.309	6.309	(0.829)	38182	50.0000	50.2222(Q)
43 2,2-Dichloropropane	77	6.205	6.205	(0.815)	174886	5.00000	4.95782(a)
47 Methacrylonitrile	41	6.448	6.448	(0.847)	221606	50.0000	49.8761
48 Bromochloromethane	128	6.501	6.501	(0.854)	76569	5.00000	5.17386
50 Chloroform	83	6.553	6.553	(0.861)	235786	5.00000	5.05634
52 1,1,1-Trichloroethane	97	6.814	6.814	(0.895)	212775	5.00000	5.01800
56 Isobutanol	41	7.110	7.110	(0.934)	20323	100.000	84.7721(aQ)
54 1,1-Dichloropropene	75	7.005	7.005	(0.920)	201945	5.00000	5.01620
55 Carbon Tetrachloride	117	7.023	7.023	(0.922)	220738	5.00000	5.14385
59 1,2-Dichloroethane	62	7.284	7.284	(0.957)	94448	5.00000	5.34204
58 Benzene	78	7.267	7.267	(0.954)	390031	5.00000	5.10230
62 n-Butanol	56	7.980	7.980	(1.048)	40525	150.000	148.172
63 Trichloroethene	95	8.085	8.085	(1.062)	166192	5.00000	5.03396
66 1,2-Dichloropropane	63	8.398	8.398	(1.103)	144145	5.00000	5.02905
69 1,4-Dioxane	88	8.590	8.590	(1.128)	20651	250.000	237.609
68 Dibromomethane	93	8.572	8.572	(1.126)	82616	5.00000	4.97052
70 Bromodichloromethane	83	8.764	8.764	(1.151)	204251	5.00000	5.04485
73 cis-1,3-Dichloropropene	75	9.373	9.373	(1.231)	183553	5.00000	5.04939
74 4-Methyl-2-pentanone	43	9.582	9.582	(1.258)	232451	20.0000	21.1554
76 Toluene	91	9.843	9.843	(1.293)	432768	5.00000	5.10420
77 trans-1,3-Dichloropropene	75	10.174	10.174	(1.336)	131559	5.00000	4.98373
79 1,1,2-Trichloroethane	97	10.470	10.470	(1.375)	89256	5.00000	5.08082
82 2-Hexanone	43	10.870	10.870	(0.908)	155179	20.0000	19.4570
81 1,3-Dichloropropane	76	10.748	10.748	(0.898)	140084	5.00000	4.94603
80 Tetrachloroethene	164	10.714	10.714	(0.895)	157305	5.00000	4.86076
83 Dibromochloromethane	129	11.131	11.131	(0.930)	174176	5.00000	4.91653
85 1,2-Dibromoethane	107	11.306	11.306	(0.945)	122246	5.00000	4.91181
87 1-Chlorohexane	91	11.932	11.932	(0.997)	218724	5.00000	4.99095
88 Chlorobenzene	112	12.002	12.002	(1.003)	331185	5.00000	5.13745
89 1,1,1,2-Tetrachloroethane	131	12.106	12.106	(1.012)	160531	5.00000	5.00254
90 Ethylbenzene	106	12.141	12.141	(1.015)	158053	5.00000	4.98056
91 m and p-Xylene	106	12.298	12.298	(1.028)	421546	10.0000	9.88980
92 o-Xylene	106	12.803	12.803	(1.070)	192858	5.00000	5.01226
93 Styrene	104	12.820	12.820	(1.071)	313509	5.00000	5.01982
94 Bromoform	173	13.081	13.081	(1.093)	89536	5.00000	4.85410
95 isopropyl benzene	105	13.255	13.255	(0.899)	570193	5.00000	5.10944
97 Cyclohexanone	55	13.412	13.412	(1.121)	71408	200.000	206.947
99 1,1,2,2-Tetrachloroethane	83	13.638	13.638	(0.924)	118180	5.00000	5.22080
101 1,2,3-Trichloropropane	110	13.691	13.691	(0.928)	26983	5.00000	5.25313
100 Bromobenzene	156	13.638	13.638	(0.924)	145816	5.00000	4.95005
103 n-Propylbenzene	120	13.743	13.743	(0.932)	151579	5.00000	4.93138
104 2-Chlorotoluene	126	13.847	13.847	(0.939)	127600	5.00000	4.85562
105 1,3,5-Trimethylbenzene	105	13.952	13.952	(0.946)	420232	5.00000	5.09715
106 4-Chlorotoluene	126	13.987	13.987	(0.948)	145811	5.00000	5.01924
107 tert-Butylbenzene	119	14.317	14.317	(0.970)	500630	5.00000	5.09410
108 1,2,4-Trimethylbenzene	105	14.370	14.370	(0.974)	403955	5.00000	5.10562

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
109 sec-Butylbenzene	134	14.544	14.544	(0.986)	131294	5.00000	4.97260
111 4-Isopropyltoluene	119	14.700	14.700	(0.996)	548511	5.00000	5.06408
110 1,3-Dichlorobenzene	146	14.683	14.683	(0.995)	260478	5.00000	5.07278
113 1,4-dichlorobenzene	146	14.770	14.770	(1.001)	290502	5.00000	4.86800
115 n-Butylbenzene	91	15.118	15.118	(1.025)	467182	5.00000	5.02466
116 1,2-Dichlorobenzene	146	15.153	15.153	(1.027)	214956	5.00000	4.92900
117 1,2-Dibromo-3-chloropropane	157	15.919	15.919	(1.079)	20887	5.00000	4.79912
118 1,2,4-Trichlorobenzene	180	16.685	16.685	(1.131)	160452	5.00000	4.93757
119 Hexachlorobutadiene	225	16.842	16.842	(1.142)	148649	5.00000	5.03476
120 Naphthalene	128	16.946	16.946	(1.149)	188073	5.00000	4.97727
121 1,2,3-Trichlorobenzene	180	17.190	17.190	(1.165)	124768	5.00000	4.82678

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: H4458.D

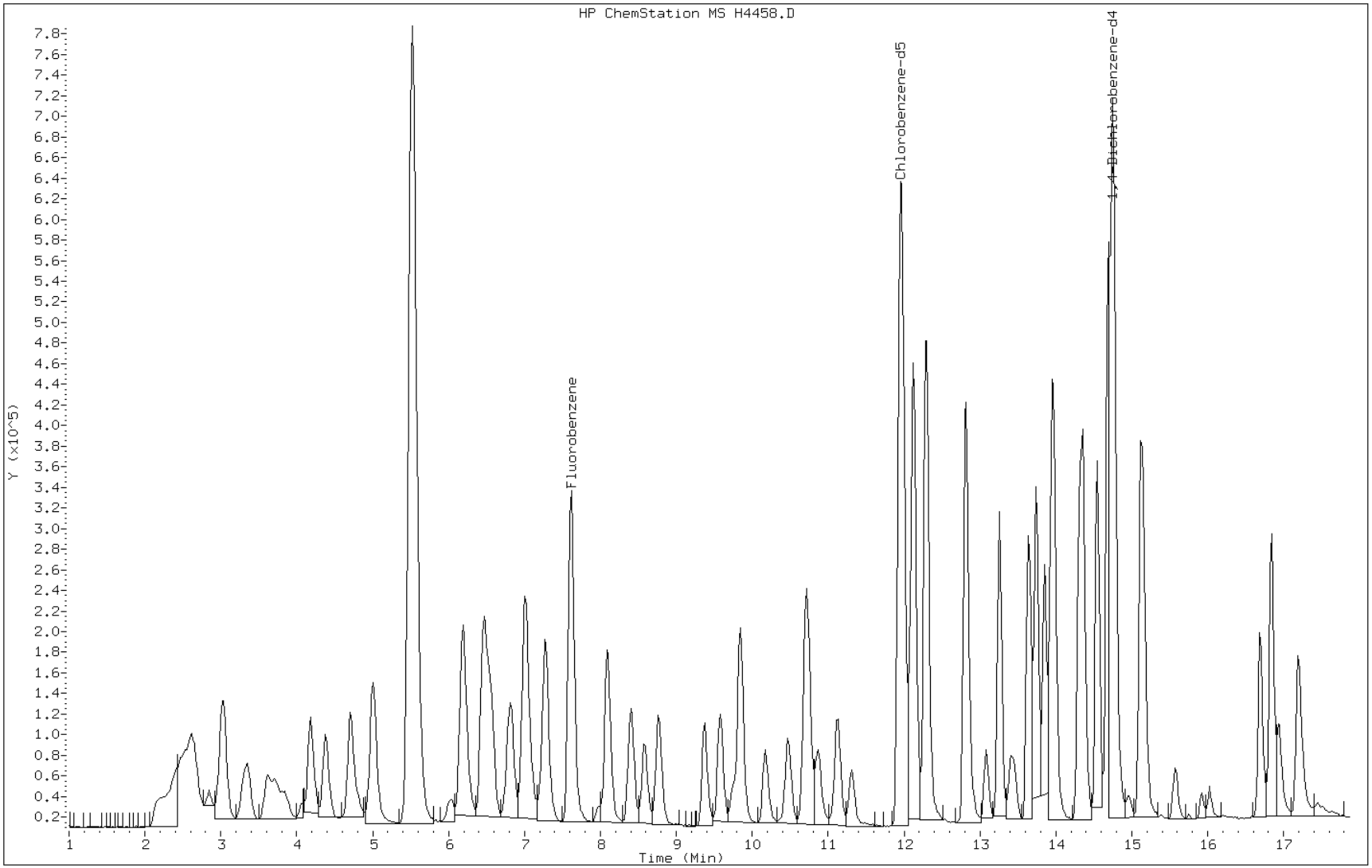
Date: 02-JUL-2012 13:37

Client ID: IC

Instrument: H.i

Sample Info: IC,,M5.0

Operator: MEIERG



Manual Integration Report

Data File: H4458.D
Inj. Date and Time: 02-JUL-2012 13:37
Instrument ID: H.i
Client ID: IC
Compound: 16 Ethanol
CAS #: 64-17-5
Report Date: 07/05/2012

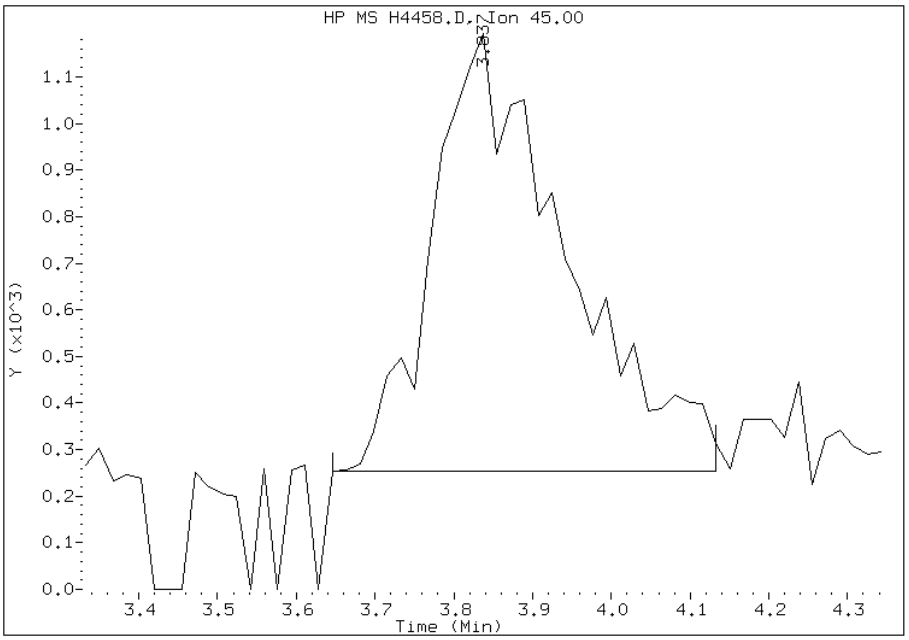
Processing Integration Results

RT: 3.84

Response: 11097

Amount: 205

Conc: 205



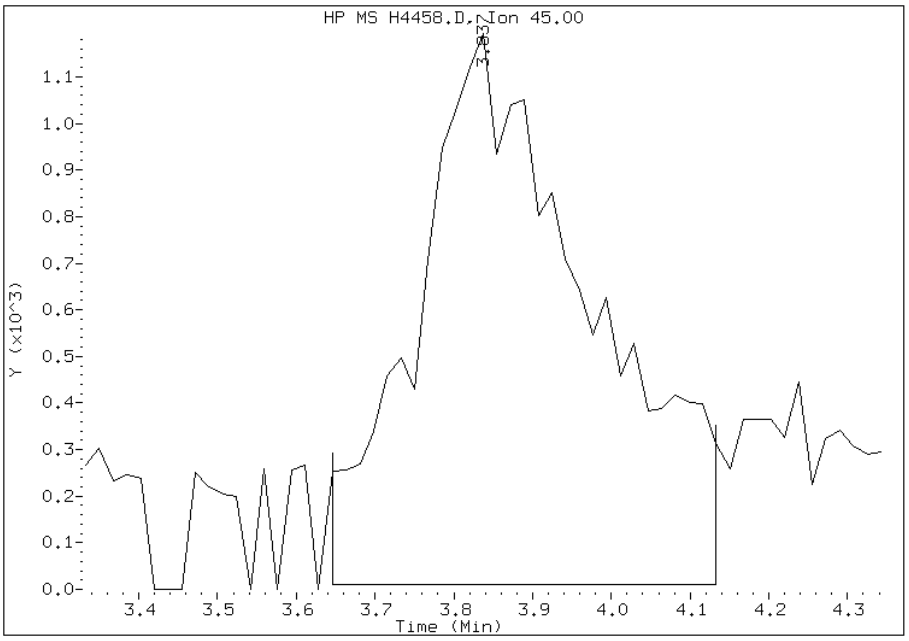
Manual Integration Results

RT: 3.84

Response: 18488

Amount: 277

Conc: 277



Manually Integrated By: meierg
Manual Integration Reason: Baseline Event

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4459.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 13:59
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,M10
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 16:58 Cal File: H4467.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61	Fluorobenzene	96	7.609	7.609	(1.000)	970425	12.5000	
* 86	Chlorobenzene-d5	119	11.961	11.961	(1.000)	233907	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.747	14.747	(1.000)	348578	12.5000	
M 1	1,2-Dichloroethene (total)	96				569913	20.0000	19.7149
M 2	Xylene (total)	106				1273450	30.0000	28.6672
M 3	1,3-Dichloropropene (total)	75				662016	20.0000	19.8826
M 4	Trihalomethanes (total)	83				1486968	40.0000	39.5013
5	Chlorotrifluoroethene	116	2.612	2.612	(0.343)	178487	10.0000	9.25672
6	dichlorodifluoromethane	85	2.647	2.647	(0.348)	371421	10.0000	10.1731
8	Chloromethane	50	2.839	2.839	(0.373)	192067	10.0000	9.84208
9	Vinyl Chloride	62	2.978	2.978	(0.391)	231979	10.0000	9.99810
10	2-Chloro-1,1,1-trifluoroethane	118	3.013	3.013	(0.396)	404591	10.0000	9.76160
12	Bromomethane	94	3.309	3.309	(0.435)	230631	10.0000	9.88442
13	Chloroethane	64	3.361	3.361	(0.442)	161039	10.0000	9.86654
15	Trichlorofluoromethane	101	3.605	3.605	(0.474)	473739	10.0000	9.79880(Q)
16	Ethanol	45	3.814	3.814	(0.501)	29315	500.000	516.435
20	Acrolein	56	4.057	4.057	(0.533)	118262	100.000	96.8155
22	Acetone	43	4.231	4.231	(0.556)	70415	40.0000	39.7142
21	1,1-Dichloroethene	96	4.179	4.179	(0.549)	238468	10.0000	9.59686
25	Iodomethane	142	4.371	4.371	(0.574)	613382	10.0000	9.62976
27	Acetonitrile	41	4.562	4.562	(0.600)	27354	100.000	83.8219(QH)
31	tert-Butyl alcohol	59	4.806	4.806	(0.632)	188134	200.000	197.862

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
30	Methylene Chloride	84	4.702	4.702	(0.618)	278702	10.0000	9.97484
32	Acrylonitrile	53	4.980	4.980	(0.655)	225108	100.000	104.935
34	trans-1,2-Dichloroethene	96	4.998	4.998	(0.657)	285068	10.0000	9.79580
38	Isopropyl ether	87	5.520	5.520	(0.725)	1101058	50.0000	50.0629
36	1,1-Dichloroethane	63	5.485	5.485	(0.721)	505010	10.0000	10.1725
39	Chloroprene	53	5.589	5.589	(0.735)	315826	10.0000	9.78558
42	2-Butanone	43	6.181	6.181	(0.812)	153195	40.0000	42.3043
41	cis-1,2-Dichloroethene	96	6.181	6.181	(0.812)	284845	10.0000	9.91908
45	Propionitrile	54	6.286	6.286	(0.826)	85388	100.000	105.885
43	2,2-Dichloropropane	77	6.199	6.199	(0.815)	363559	10.0000	9.71657
47	Methacrylonitrile	41	6.443	6.443	(0.847)	489915	100.000	103.952
48	Bromochloromethane	128	6.477	6.477	(0.851)	162393	10.0000	10.3450
50	Chloroform	83	6.564	6.564	(0.863)	494084	10.0000	9.98899
52	1,1,1-Trichloroethane	97	6.808	6.808	(0.895)	448117	10.0000	9.96331
56	Isobutanol	41	7.104	7.104	(0.934)	52388	200.000	206.015(Q)
54	1,1-Dichloropropene	75	7.000	7.000	(0.920)	416518	10.0000	9.75390
55	Carbon Tetrachloride	117	7.017	7.017	(0.922)	444400	10.0000	9.76309
59	1,2-Dichloroethane	62	7.296	7.296	(0.959)	197313	10.0000	10.5214
58	Benzene	78	7.261	7.261	(0.954)	810060	10.0000	9.99047
62	n-Butanol	56	7.975	7.975	(1.048)	88403	300.000	304.727
63	Trichloroethene	95	8.096	8.096	(1.064)	336755	10.0000	9.61647
66	1,2-Dichloropropane	63	8.410	8.410	(1.105)	296805	10.0000	9.76247
69	1,4-Dioxane	88	8.584	8.584	(1.128)	50286	500.000	545.470
68	Dibromomethane	93	8.584	8.584	(1.128)	176824	10.0000	10.0295
70	Bromodichloromethane	83	8.758	8.758	(1.151)	429821	10.0000	10.0086
73	cis-1,3-Dichloropropene	75	9.367	9.367	(1.231)	384545	10.0000	9.97303
74	4-Methyl-2-pentanone	43	9.576	9.576	(1.259)	494660	40.0000	42.4422
76	Toluene	91	9.837	9.837	(1.293)	901665	10.0000	10.0258
77	trans-1,3-Dichloropropene	75	10.168	10.168	(1.336)	277471	10.0000	9.90954
79	1,1,2-Trichloroethane	97	10.482	10.482	(1.377)	185526	10.0000	9.95641
82	2-Hexanone	43	10.865	10.865	(0.908)	327737	40.0000	38.1564
81	1,3-Dichloropropane	76	10.760	10.760	(0.900)	302878	10.0000	9.92967
80	Tetrachloroethene	164	10.708	10.708	(0.895)	320341	10.0000	9.19122
83	Dibromochloromethane	129	11.126	11.126	(0.930)	366383	10.0000	9.60295
85	1,2-Dibromoethane	107	11.317	11.317	(0.946)	258670	10.0000	9.65054
87	1-Chlorohexane	91	11.944	11.944	(0.999)	451919	10.0000	9.57516
88	Chlorobenzene	112	11.996	11.996	(1.003)	688173	10.0000	9.91228
89	1,1,1,2-Tetrachloroethane	131	12.118	12.118	(1.013)	342663	10.0000	9.91512
90	Ethylbenzene	106	12.135	12.135	(1.015)	328087	10.0000	9.59982
91	m and p-Xylene	106	12.292	12.292	(1.028)	878986	20.0000	19.1480
92	o-Xylene	106	12.797	12.797	(1.070)	394464	10.0000	9.51923
93	Styrene	104	12.814	12.814	(1.071)	661856	10.0000	9.84012
94	Bromoform	173	13.093	13.093	(1.095)	196680	10.0000	9.90079
95	isopropyl benzene	105	13.250	13.250	(0.898)	1181297	10.0000	9.76919
97	Cyclohexanone	55	13.406	13.406	(1.121)	157081	400.000	422.703
99	1,1,2,2-Tetrachloroethane	83	13.633	13.633	(0.924)	248717	10.0000	10.1402
101	1,2,3-Trichloropropane	110	13.685	13.685	(0.928)	58608	10.0000	10.5301
100	Bromobenzene	156	13.650	13.650	(0.926)	311689	10.0000	9.76504
103	n-Propylbenzene	120	13.755	13.755	(0.933)	324387	10.0000	9.73960
104	2-Chlorotoluene	126	13.859	13.859	(0.940)	279836	10.0000	9.82756
105	1,3,5-Trimethylbenzene	105	13.946	13.946	(0.946)	867976	10.0000	9.71615
106	4-Chlorotoluene	126	13.981	13.981	(0.948)	304601	10.0000	9.67671
107	tert-Butylbenzene	119	14.312	14.312	(0.970)	1024221	10.0000	9.61818
108	1,2,4-Trimethylbenzene	105	14.364	14.364	(0.974)	831053	10.0000	9.69377

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
109 sec-Butylbenzene	134	14.555	14.555	(0.987)	270144	10.0000	9.44239
111 4-Isopropyltoluene	119	14.695	14.695	(0.996)	1125882	10.0000	9.59304
110 1,3-Dichlorobenzene	146	14.677	14.677	(0.995)	527399	10.0000	9.47901
113 1,4-dichlorobenzene	146	14.764	14.764	(1.001)	632405	10.0000	9.78014
115 n-Butylbenzene	91	15.112	15.112	(1.025)	976746	10.0000	9.69506
116 1,2-Dichlorobenzene	146	15.165	15.165	(1.028)	457307	10.0000	9.67756
117 1,2-Dibromo-3-chloropropane	157	15.931	15.931	(1.080)	46999	10.0000	9.96604
118 1,2,4-Trichlorobenzene	180	16.697	16.697	(1.132)	352564	10.0000	10.0128
119 Hexachlorobutadiene	225	16.836	16.836	(1.142)	311581	10.0000	9.73949
120 Naphthalene	128	16.940	16.940	(1.149)	432537	10.0000	10.5642
121 1,2,3-Trichlorobenzene	180	17.184	17.184	(1.165)	280426	10.0000	10.0120

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: H4459.D

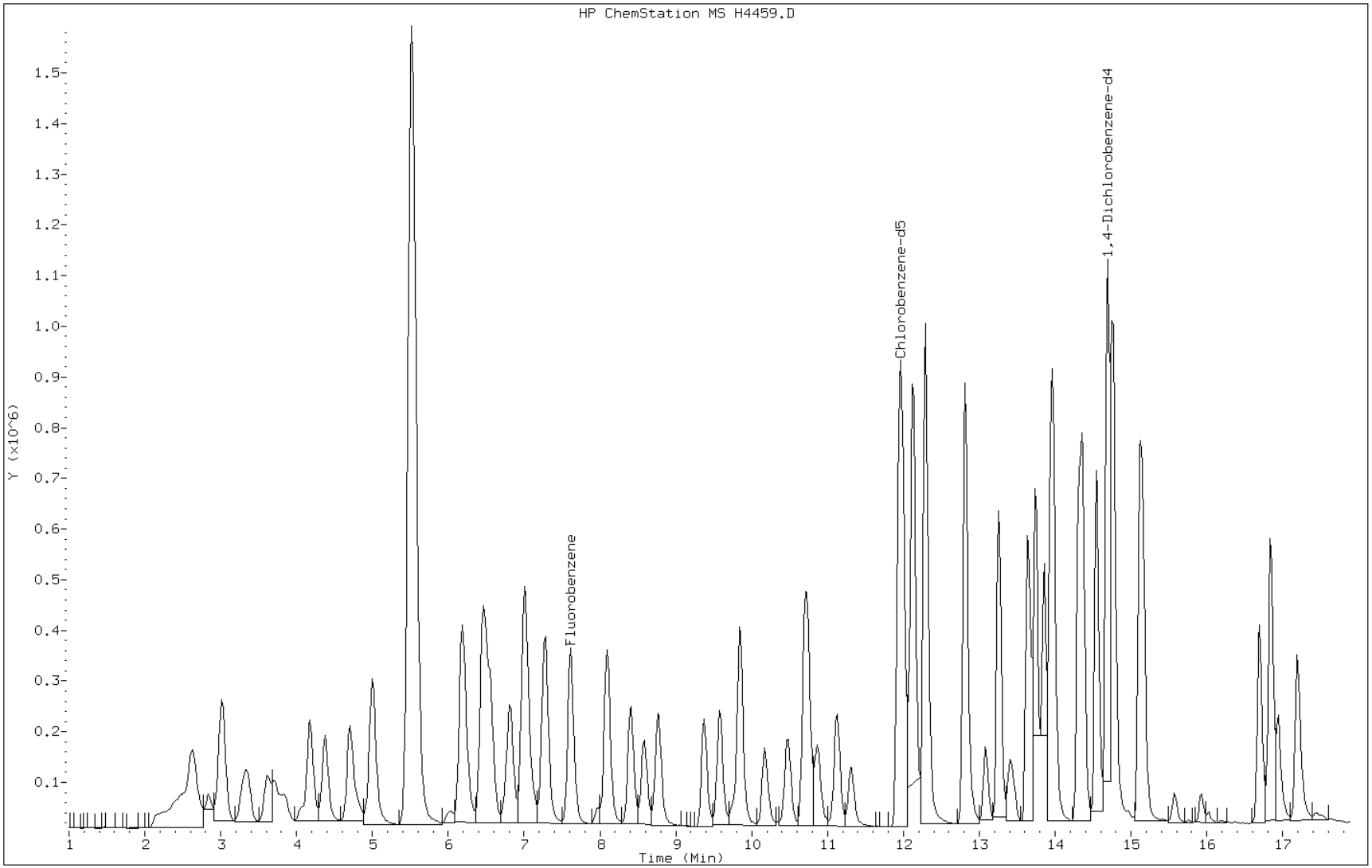
Date: 02-JUL-2012 13:59

Client ID: IC

Instrument: H.i

Sample Info: IC,,M10

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4460.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 14:21
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,M30
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 17:20 Cal File: H4468.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	61 Fluorobenzene	96	7.627	7.627	(1.000)	964639	12.5000	
*	86 Chlorobenzene-d5	119	11.962	11.962	(1.000)	220366	12.5000	
*	112 1,4-Dichlorobenzene-d4	152	14.748	14.748	(1.000)	312852	12.5000	
M	1 1,2-Dichloroethene (total)	96				1788471	60.0000	62.2384
M	2 Xylene (total)	106				3941291	90.0000	94.1122
M	3 1,3-Dichloropropene (total)	75				2094497	60.0000	63.1978
M	4 Trihalomethanes (total)	83				4667401	120.000	128.354
	5 Chlorotrifluoroethene	116	2.613	2.613	(0.343)	572975	30.0000	28.3133
	6 dichlorodifluoromethane	85	2.648	2.648	(0.347)	1121778	30.0000	30.9096
	8 Chloromethane	50	2.839	2.839	(0.372)	578569	30.0000	29.8254
	9 Vinyl Chloride	62	2.996	2.996	(0.393)	709761	30.0000	30.7736
	10 2-Chloro-1,1,1-trifluoroethane	118	3.031	3.031	(0.397)	1247400	30.0000	30.2766
	12 Bromomethane	94	3.327	3.327	(0.436)	692079	30.0000	29.8392
	13 Chloroethane	64	3.362	3.362	(0.441)	477797	30.0000	29.4492
	15 Trichlorofluoromethane	101	3.623	3.623	(0.475)	1418394	30.0000	29.5140
	16 Ethanol	45	3.832	3.832	(0.502)	75656	1500.00	1668.83
	20 Acrolein	56	4.075	4.075	(0.534)	352230	300.000	290.084
	22 Acetone	43	4.232	4.232	(0.555)	195745	120.000	111.063
	21 1,1-Dichloroethene	96	4.180	4.180	(0.548)	735543	30.0000	29.7786
	25 Iodomethane	142	4.371	4.371	(0.573)	1955993	30.0000	30.8922
	27 Acetonitrile	41	4.580	4.580	(0.601)	100646	300.000	294.890(H)
	31 tert-Butyl alcohol	59	4.824	4.824	(0.633)	624569	600.000	660.803

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
30 Methylene Chloride	84	4.702	4.702	(0.617)	765454	30.0000	30.4661
32 Acrylonitrile	53	4.981	4.981	(0.653)	712121	300.000	333.950
34 trans-1,2-Dichloroethene	96	5.016	5.016	(0.658)	896574	30.0000	30.9938
38 Isopropyl ether	87	5.538	5.538	(0.726)	3292009	150.000	150.579
36 1,1-Dichloroethane	63	5.486	5.486	(0.719)	1456423	30.0000	29.5130
39 Chloroprene	53	5.590	5.590	(0.733)	891042	30.0000	27.7737
42 2-Butanone	43	6.182	6.182	(0.811)	455596	120.000	126.566
41 cis-1,2-Dichloroethene	96	6.182	6.182	(0.811)	891897	30.0000	31.2446
45 Propionitrile	54	6.287	6.287	(0.824)	259656	300.000	323.917
43 2,2-Dichloropropane	77	6.199	6.199	(0.813)	1105918	30.0000	29.7343
47 Methacrylonitrile	41	6.461	6.461	(0.847)	1432793	300.000	305.840
48 Bromochloromethane	128	6.495	6.495	(0.852)	492105	30.0000	31.5369
50 Chloroform	83	6.565	6.565	(0.861)	1524549	30.0000	31.0070
52 1,1,1-Trichloroethane	97	6.826	6.826	(0.895)	1345560	30.0000	30.0963
56 Isobutanol	41	7.122	7.122	(0.934)	169086	600.000	668.917
54 1,1-Dichloropropene	75	7.000	7.000	(0.918)	1293224	30.0000	30.4660
55 Carbon Tetrachloride	117	7.035	7.035	(0.922)	1368916	30.0000	30.2543
59 1,2-Dichloroethane	62	7.296	7.296	(0.957)	573778	30.0000	30.7792
58 Benzene	78	7.279	7.279	(0.954)	2501806	30.0000	31.0398
62 n-Butanol	56	7.975	7.975	(1.046)	265544	900.000	920.827
63 Trichloroethene	95	8.097	8.097	(1.062)	1096513	30.0000	31.5001
66 1,2-Dichloropropane	63	8.410	8.410	(1.103)	943835	30.0000	31.2307
69 1,4-Dioxane	88	8.585	8.585	(1.126)	151158	1500.00	1649.50
68 Dibromomethane	93	8.585	8.585	(1.126)	545298	30.0000	31.1151
70 Bromodichloromethane	83	8.776	8.776	(1.151)	1350890	30.0000	31.6449
73 cis-1,3-Dichloropropene	75	9.368	9.368	(1.228)	1225193	30.0000	31.9655
74 4-Methyl-2-pentanone	43	9.577	9.577	(1.256)	1446072	120.000	124.818
76 Toluene	91	9.838	9.838	(1.290)	2749977	30.0000	30.7610
77 trans-1,3-Dichloropropene	75	10.169	10.169	(1.333)	869304	30.0000	31.2323
79 1,1,2-Trichloroethane	97	10.482	10.482	(1.374)	569023	30.0000	30.7203
82 2-Hexanone	43	10.865	10.865	(0.908)	977349	120.000	120.779
81 1,3-Dichloropropane	76	10.761	10.761	(0.900)	940075	30.0000	32.7136
80 Tetrachloroethene	164	10.709	10.709	(0.895)	1030684	30.0000	31.3895
83 Dibromochloromethane	129	11.126	11.126	(0.930)	1173159	30.0000	32.6381
85 1,2-Dibromoethane	107	11.318	11.318	(0.946)	802093	30.0000	31.7636
87 1-Chlorohexane	91	11.945	11.945	(0.999)	1332242	30.0000	29.9617
88 Chlorobenzene	112	11.997	11.997	(1.003)	2077921	30.0000	31.7690
89 1,1,1,2-Tetrachloroethane	131	12.119	12.119	(1.013)	1051325	30.0000	32.2899
90 Ethylbenzene	106	12.136	12.136	(1.015)	1028736	30.0000	31.9504
91 m and p-Xylene	106	12.293	12.293	(1.028)	2746096	60.0000	63.4973
92 o-Xylene	106	12.815	12.815	(1.071)	1195195	30.0000	30.6148
93 Styrene	104	12.833	12.833	(1.073)	1994045	30.0000	31.4681
94 Bromoform	173	13.094	13.094	(1.095)	618803	30.0000	33.0644
95 isopropyl benzene	105	13.250	13.250	(0.898)	3172250	30.0000	29.2299
97 Cyclohexanone	55	13.407	13.407	(1.121)	464984	1200.00	1328.15
99 1,1,2,2-Tetrachloroethane	83	13.633	13.633	(0.924)	657161	30.0000	29.8521
101 1,2,3-Trichloropropane	110	13.703	13.703	(0.929)	152562	30.0000	30.5410
100 Bromobenzene	156	13.651	13.651	(0.926)	924771	30.0000	32.2811
103 n-Propylbenzene	120	13.755	13.755	(0.933)	952992	30.0000	31.8807
104 2-Chlorotoluene	126	13.860	13.860	(0.940)	839675	30.0000	32.8560
105 1,3,5-Trimethylbenzene	105	13.947	13.947	(0.946)	2581726	30.0000	32.2001
106 4-Chlorotoluene	126	13.982	13.982	(0.948)	903802	30.0000	31.9912
107 tert-Butylbenzene	119	14.312	14.312	(0.970)	3067121	30.0000	32.0916
108 1,2,4-Trimethylbenzene	105	14.365	14.365	(0.974)	2427589	30.0000	31.5500

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 sec-Butylbenzene	134	14.556	14.556	(0.987)	833221	30.0000	32.4495
111 4-Isopropyltoluene	119	14.695	14.695	(0.996)	3277973	30.0000	31.1193
110 1,3-Dichlorobenzene	146	14.678	14.678	(0.995)	1597516	30.0000	31.9912
113 1,4-dichlorobenzene	146	14.782	14.782	(1.002)	1760692	30.0000	30.3385
115 n-Butylbenzene	91	15.113	15.113	(1.025)	2844005	30.0000	31.4528
116 1,2-Dichlorobenzene	146	15.165	15.165	(1.028)	1331660	30.0000	31.3987
117 1,2-Dibromo-3-chloropropane	157	15.931	15.931	(1.080)	142768	30.0000	33.7307
118 1,2,4-Trichlorobenzene	180	16.697	16.697	(1.132)	1026006	30.0000	32.4659
119 Hexachlorobutadiene	225	16.837	16.837	(1.142)	823223	30.0000	28.6711
120 Naphthalene	128	16.941	16.941	(1.149)	1065817	30.0000	29.0039
121 1,2,3-Trichlorobenzene	180	17.185	17.185	(1.165)	734739	30.0000	29.2278

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: H4460.D

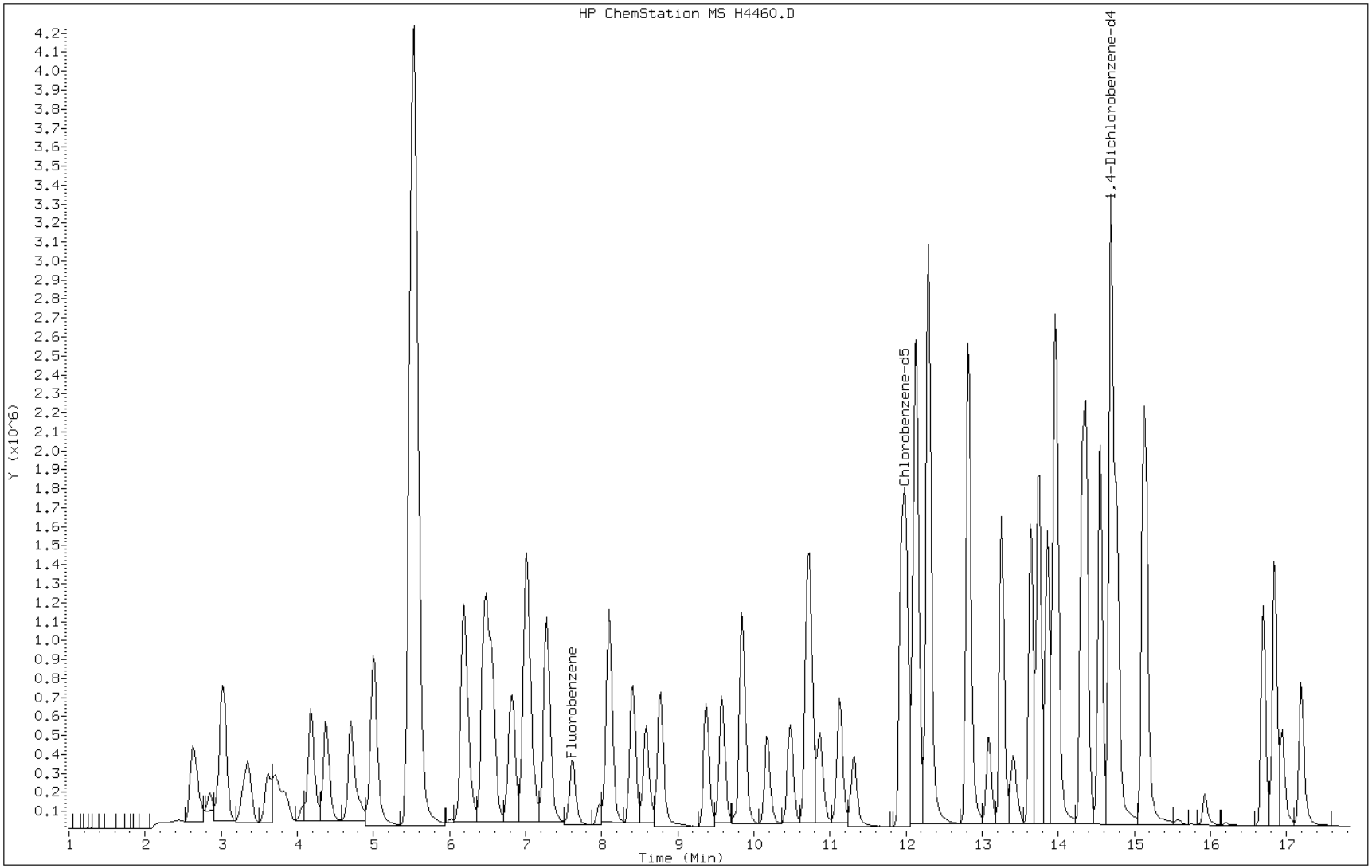
Date: 02-JUL-2012 14:21

Client ID: IC

Instrument: H.i

Sample Info: IC,,M30

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4461.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 02-JUL-2012 14:44
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,M60
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:03 meierg Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	61 Fluorobenzene	96	7.627	7.614	(1.000)	925816	12.5000	
*	86 Chlorobenzene-d5	119	11.962	11.966	(1.000)	185972	12.5000	
*	112 1,4-Dichlorobenzene-d4	152	14.765	14.752	(1.000)	292290	12.5000	(Q)
M	1 1,2-Dichloroethene (total)	96				3022199	120.000	109.571
M	2 Xylene (total)	106				6489798	180.000	183.924
M	3 1,3-Dichloropropene (total)	75				3894011	120.000	122.395
M	4 Trihalomethanes (total)	83				8541482	240.000	257.657
	5 Chlorotrifluoroethene	116	2.613	2.613	(0.343)	1226257	60.0000	62.2640(A)
	6 dichlorodifluoromethane	85	2.648	2.648	(0.347)	2310925	60.0000	66.3456(A)
	8 Chloromethane	50	2.857	2.857	(0.375)	1166283	60.0000	62.6434(A)
	9 Vinyl Chloride	62	2.996	2.996	(0.393)	1443528	60.0000	65.2126(A)
	10 2-Chloro-1,1,1-trifluoroethane	118	3.031	3.031	(0.397)	2538513	60.0000	64.1980(A)
	12 Bromomethane	94	3.327	3.327	(0.436)	1347105	60.0000	60.5163(A)
	13 Chloroethane	64	3.379	3.379	(0.443)	960272	60.0000	61.6688(A)
	15 Trichlorofluoromethane	101	3.623	3.623	(0.475)	2746859	60.0000	59.5535(M)
	16 Ethanol	45	3.849	3.849	(0.505)	120183	3000.00	2896.82
	20 Acrolein	56	4.075	4.075	(0.534)	695183	600.000	596.535
	22 Acetone	43	4.249	4.249	(0.557)	373348	240.000	220.715
	21 1,1-Dichloroethene	96	4.180	4.180	(0.548)	1435538	60.0000	60.5551(A)
	25 Iodomethane	142	4.389	4.389	(0.575)	3928084	60.0000	64.6402(A)
	27 Acetonitrile	41	4.598	4.598	(0.603)	203760	600.000	615.733(AM)
	31 tert-Butyl alcohol	59	4.841	4.841	(0.635)	1093589	1200.00	1205.55(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
30	Methylene Chloride	84	4.702	4.702	(0.617)	1402757	60.0000	59.6719
32	Acrylonitrile	53	4.981	4.981	(0.653)	1183732	600.000	578.390
34	trans-1,2-Dichloroethene	96	4.998	4.998	(0.655)	1537663	60.0000	55.3847
38	Isopropyl ether	87	5.538	5.538	(0.726)	6228304	300.000	296.834
36	1,1-Dichloroethane	63	5.520	5.520	(0.724)	2667331	60.0000	56.3174
39	Chloroprene	53	5.607	5.607	(0.735)	1713348	60.0000	55.6444
42	2-Butanone	43	6.164	6.164	(0.808)	652743	240.000	188.938
41	cis-1,2-Dichloroethene	96	6.182	6.182	(0.811)	1484536	60.0000	54.1864
45	Propionitrile	54	6.304	6.304	(0.827)	440086	600.000	572.023
43	2,2-Dichloropropane	77	6.199	6.199	(0.813)	1703764	60.0000	47.7293
47	Methacrylonitrile	41	6.460	6.460	(0.847)	2615711	600.000	581.755
48	Bromochloromethane	128	6.495	6.495	(0.852)	950645	60.0000	63.4775(A)
50	Chloroform	83	6.565	6.565	(0.861)	2796903	60.0000	59.2701
52	1,1,1-Trichloroethane	97	6.826	6.826	(0.895)	2641071	60.0000	61.5502(A)
56	Isobutanol	41	7.122	7.122	(0.934)	315927	1200.00	1302.24(A)
54	1,1-Dichloropropene	75	7.000	7.000	(0.918)	2384383	60.0000	58.5272
55	Carbon Tetrachloride	117	7.035	7.035	(0.922)	2524713	60.0000	58.1383
59	1,2-Dichloroethane	62	7.296	7.296	(0.957)	937815	60.0000	52.4168
58	Benzene	78	7.261	7.261	(0.952)	4370469	60.0000	56.4981
62	n-Butanol	56	7.975	7.975	(1.046)	473329	1800.00	1710.19(A)
63	Trichloroethene	95	8.097	8.097	(1.062)	1983057	60.0000	59.3573
66	1,2-Dichloropropane	63	8.410	8.410	(1.103)	1759263	60.0000	60.6536(A)
69	1,4-Dioxane	88	8.602	8.602	(1.128)	268902	3000.00	3057.42(A)
68	Dibromomethane	93	8.584	8.584	(1.126)	1025331	60.0000	60.9595(A)
70	Bromodichloromethane	83	8.776	8.776	(1.151)	2510915	60.0000	61.2852(A)
73	cis-1,3-Dichloropropene	75	9.368	9.368	(1.228)	2280509	60.0000	61.9939(A)
74	4-Methyl-2-pentanone	43	9.577	9.577	(1.256)	2210502	240.000	198.801
76	Toluene	91	9.855	9.855	(1.292)	4454490	60.0000	51.9170
77	trans-1,3-Dichloropropene	75	10.169	10.169	(1.333)	1613502	60.0000	60.4008(A)
79	1,1,2-Trichloroethane	97	10.482	10.482	(1.374)	1062872	60.0000	59.7883
82	2-Hexanone	43	10.865	10.865	(0.908)	1716172	240.000	251.303(A)
81	1,3-Dichloropropane	76	10.761	10.761	(0.900)	1706688	60.0000	70.3748(A)
80	Tetrachloroethene	164	10.708	10.708	(0.895)	2014537	60.0000	72.6995(A)
83	Dibromochloromethane	129	11.126	11.126	(0.930)	2228657	60.0000	73.4697(A)
85	1,2-Dibromoethane	107	11.318	11.318	(0.946)	1506540	60.0000	70.6939(A)
87	1-Chlorohexane	91	11.944	11.944	(0.999)	2285167	60.0000	60.8974(A)
88	Chlorobenzene	112	12.014	12.014	(1.004)	3388912	60.0000	61.3948(A)
89	1,1,1,2-Tetrachloroethane	131	12.118	12.118	(1.013)	1730002	60.0000	62.9612(A)
90	Ethylbenzene	106	12.136	12.136	(1.015)	1640144	60.0000	60.3604(A)
91	m and p-Xylene	106	12.293	12.293	(1.028)	4421125	120.000	121.135(A)
92	o-Xylene	106	12.815	12.815	(1.071)	2068673	60.0000	62.7888(A)
93	Styrene	104	12.832	12.832	(1.073)	3283917	60.0000	61.4079(A)
94	Bromoform	173	13.093	13.093	(1.095)	1005007	60.0000	63.6318(A)
95	isopropyl benzene	105	13.268	13.268	(0.899)	5871834	60.0000	57.9108
97	Cyclohexanone	55	13.407	13.407	(1.121)	601030	2400.00	2034.24
99	1,1,2,2-Tetrachloroethane	83	13.633	13.633	(0.923)	1203517	60.0000	58.5167
101	1,2,3-Trichloropropane	110	13.685	13.685	(0.927)	258072	60.0000	55.2972
100	Bromobenzene	156	13.651	13.651	(0.925)	1705299	60.0000	63.7146(A)
103	n-Propylbenzene	120	13.755	13.755	(0.932)	1574680	60.0000	56.3840
104	2-Chlorotoluene	126	13.859	13.859	(0.939)	1363658	60.0000	57.1128
105	1,3,5-Trimethylbenzene	105	13.946	13.946	(0.945)	4233032	60.0000	56.5098
106	4-Chlorotoluene	126	13.981	13.981	(0.947)	1542605	60.0000	58.4436
107	tert-Butylbenzene	119	14.312	14.312	(0.969)	5078659	60.0000	56.8767
108	1,2,4-Trimethylbenzene	105	14.364	14.364	(0.973)	4017319	60.0000	55.8838

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 sec-Butylbenzene	134	14.556	14.556	(0.986)	1407053	60.0000	58.6520
111 4-Isopropyltoluene	119	14.695	14.695	(0.995)	5613254	60.0000	57.0380
110 1,3-Dichlorobenzene	146	14.695	14.695	(0.995)	2732028	60.0000	58.5592
113 1,4-dichlorobenzene	146	14.782	14.782	(1.001)	3364923	60.0000	62.0599(A)
115 n-Butylbenzene	91	15.113	15.113	(1.024)	4659714	60.0000	55.1587
116 1,2-Dichlorobenzene	146	15.165	15.165	(1.027)	2303951	60.0000	58.1456
117 1,2-Dibromo-3-chloropropane	157	15.931	15.931	(1.079)	232777	60.0000	58.8654
118 1,2,4-Trichlorobenzene	180	16.697	16.697	(1.131)	1730209	60.0000	58.6004
119 Hexachlorobutadiene	225	16.854	16.854	(1.141)	1598882	60.0000	59.6030
120 Naphthalene	128	16.941	16.941	(1.147)	2027642	60.0000	59.0596
121 1,2,3-Trichlorobenzene	180	17.185	17.185	(1.164)	1462674	60.0000	62.2782(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: H4461.D

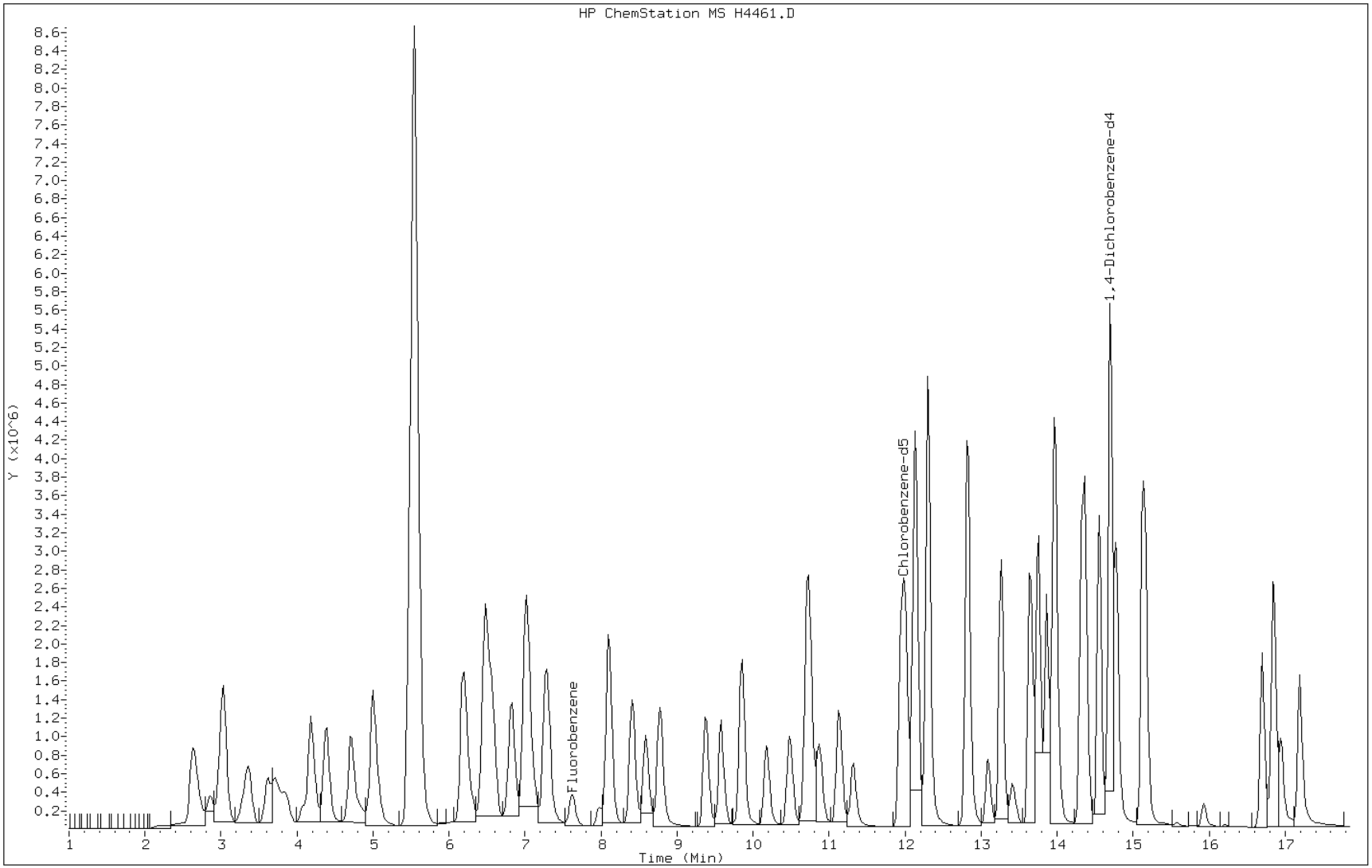
Date: 02-JUL-2012 14:44

Client ID: IC

Instrument: H.i

Sample Info: IC,,M60

Operator: MEIERG



Manual Integration Report

Data File: H4461.D
Inj. Date and Time: 02-JUL-2012 14:44
Instrument ID: H.i
Client ID: IC
Compound: 15 Trichlorofluoromethane
CAS #: 75-69-4
Report Date: 07/05/2012

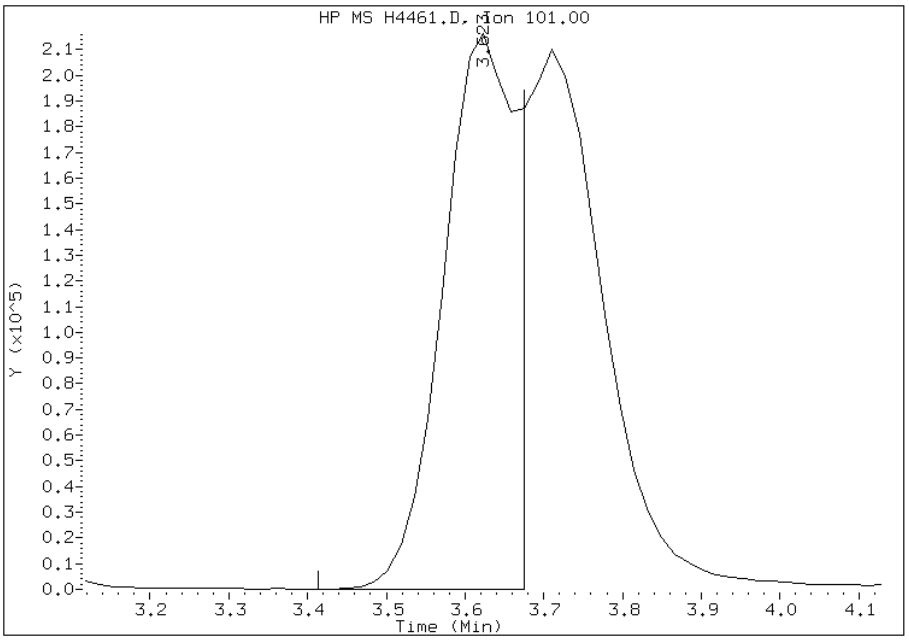
Processing Integration Results

RT: 3.62

Response: 1474389

Amount: 34

Conc: 34



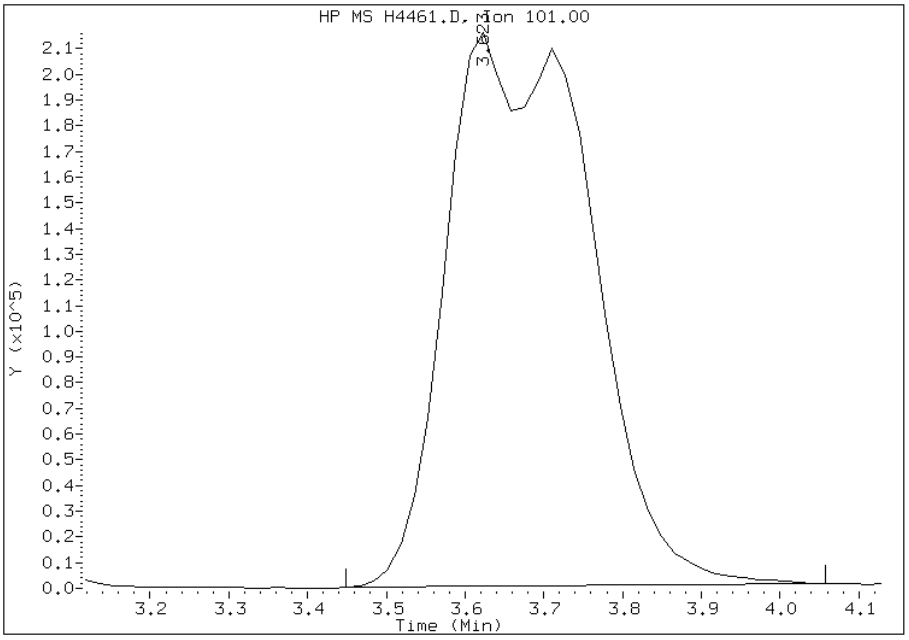
Manual Integration Results

RT: 3.62

Response: 2746859

Amount: 60

Conc: 60



Manually Integrated By: meierg
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: H4461.D
Inj. Date and Time: 02-JUL-2012 14:44
Instrument ID: H.i
Client ID: IC
Compound: 27 Acetonitrile
CAS #: 75-05-8
Report Date: 07/05/2012

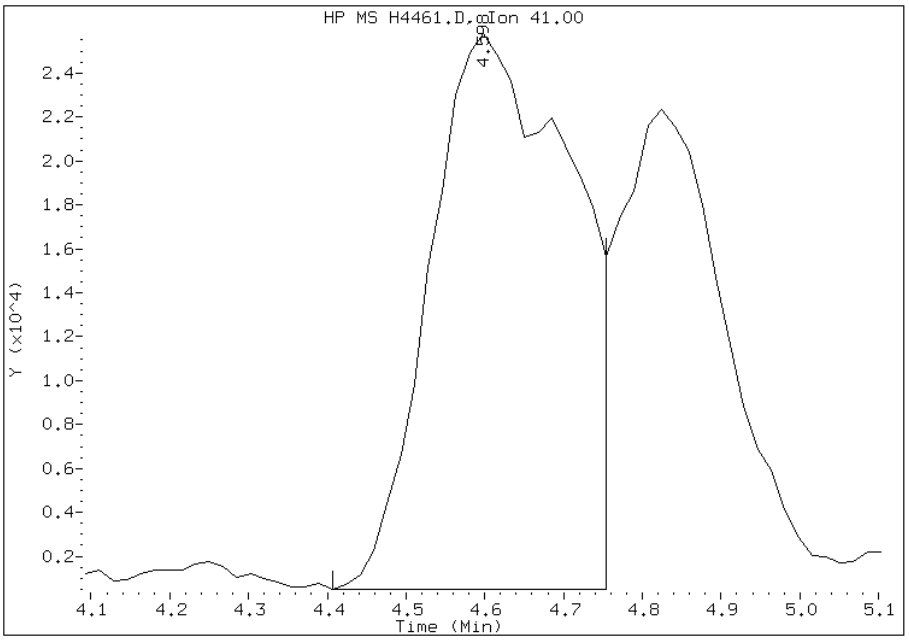
Processing Integration Results

RT: 4.60

Response: 322634

Amount: 993

Conc: 993



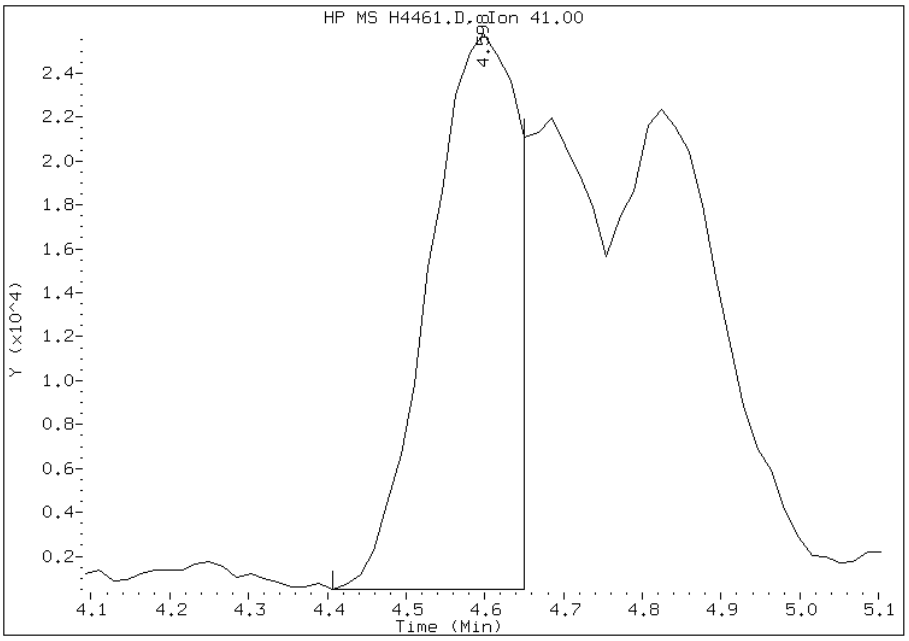
Manual Integration Results

RT: 4.60

Response: 203760

Amount: 616

Conc: 616



Manually Integrated By: meierg
Manual Integration Reason: Mis-Integrated

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30455-1 Analy Batch No.: 127058

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2012 12:58 Calibration End Date: 07/09/2012 14:48 Calibration ID: 9932

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-127058/3	H4677.D
Level 2	IC 280-127058/4	H4678.D
Level 3	IC 280-127058/5	H4679.D
Level 4	ICIS 280-127058/6	H4680.D
Level 5	IC 280-127058/7	H4681.D
Level 6	IC 280-127058/8	H4682.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorofluoromethane	0.9394 0.8245	0.9409	0.7748	0.8398	0.7573	Ave		0.8461				9.3		15.0			
Ethyl ether	0.2077 0.2576	0.2907	0.2433	0.2689	0.2375	Ave		0.2509				11.3		15.0			
2,2-Dichloro-1,1,1-trifluoroethane	1.0869 0.8807	1.0890	0.8032	0.8968	0.8050	Ave		0.9270				14.1		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.6075 0.4769	0.6152	0.4474	0.4888	0.4398	Lin1	-0.028	0.4621							0.9971		0.9900
Isopropyl alcohol	0.0088 0.0060	0.0079	0.0061	0.0072	0.0060	Lin2	-0.702	0.0062							0.9917		0.9900
Carbon disulfide	1.4735 1.2898	1.5012	1.1796	1.2894	1.1749	Ave		1.3181				10.7		15.0			
Allyl chloride	0.5429 0.5171	0.5570	0.4649	0.5084	0.4580	Ave		0.5080				7.9		15.0			
Methyl acetate	0.0768 0.0928	0.1037	0.0882	0.0998	0.0875	Ave		0.0915				10.5		15.0			
Methyl tert-butyl ether	0.6764 0.6282	0.7093	0.6050	0.6722	0.5932	Ave		0.6474				7.0		15.0			
Hexane	2.8511 2.2837	2.7884	2.0754	2.3676	2.1009	Ave		2.4112				13.9		15.0			
Vinyl acetate	0.2342 0.2417	0.2884	0.2455	0.2664	0.2529	Ave		0.2549				7.7		15.0			
Tert-butyl ethyl ether	1.1403 1.1651	1.2092	1.0508	1.1730	1.0567	Ave		1.1325				5.7		15.0			
Ethyl acetate	+++++ 0.1239	0.1283	0.1217	0.1499	0.1138	Ave		0.1275				10.6		15.0			
2-Butanol	+++++ 0.0104	0.0115	0.0097	0.0114	0.0103	Ave		0.0107				7.3		15.0			
Tetrahydrofuran	0.0308 0.0314	0.0335	0.0287	0.0348	0.0300	Ave		0.0315				7.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30455-1 Analy Batch No.: 127058

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2012 12:58 Calibration End Date: 07/09/2012 14:48 Calibration ID: 9932

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexane	0.7989 0.6139	0.8000	0.5836	0.6413	0.5620	Lin1	-0.032	0.5943							0.9967		0.9900
Tert-amyl methyl ether	0.8355 0.8665	0.9034	0.8013	0.8925	0.7932	Ave		0.8487				5.5		15.0			
2-Pentanone	0.1316 0.1277	0.1462	0.1138	0.1317	0.1064	Ave		0.1262				11.2		15.0			
Methylcyclohexane	0.6857 0.5550	0.7222	0.4954	0.5790	0.5078	Lin1	-0.026	0.5380							0.9959		0.9900
Methyl methacrylate	+++++ 0.0586	0.0636	0.0572	0.0633	0.0555	Ave		0.0596				6.1		15.0			
2-Nitropropane	0.0314 0.0298	0.0296	0.0368	0.0383	0.0278	Ave		0.0323				13.2		15.0			
2-Chloroethyl vinyl ether	+++++ 0.1218	0.0988	0.0912	0.1118	0.1070	Ave		0.1061				11.1		15.0			
Ethyl methacrylate	1.4193 1.3895	1.4139	1.3273	1.4732	1.3069	Ave		1.3883				4.5		15.0			
cis-1,4-Dichloro-2-butene	+++++ 0.0986	0.1097	0.0913	0.1041	0.0926	Ave		0.0993				7.8		15.0			
trans-1,4-Dichloro-2-butene	+++++ 0.1205	0.1318	0.1178	0.1293	0.1118	Ave		0.1222				6.7		15.0			
Dibromofluoromethane (Surr)	+++++ 0.6281	0.7830	0.6162	0.6616	0.5946	Ave		0.6567				11.4		15.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2473	0.3105	0.2385	0.2636	0.2361	Ave		0.2592				11.8		15.0			
Toluene-d8 (Surr)	+++++ 4.8061	5.8024	4.7575	5.1409	4.5392	Ave		5.0092				9.8		15.0			
4-Bromofluorobenzene (Surr)	+++++ 1.5253	1.9801	1.5648	1.5749	1.4442	Ave		1.6179				12.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30455-1 Analy Batch No.: 127058

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2012 12:58 Calibration End Date: 07/09/2012 14:48 Calibration ID: 9932

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-127058/3	H4677.D
Level 2	IC 280-127058/4	H4678.D
Level 3	IC 280-127058/5	H4679.D
Level 4	ICIS 280-127058/6	H4680.D
Level 5	IC 280-127058/7	H4681.D
Level 6	IC 280-127058/8	H4682.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorofluoromethane	FB	Ave	90583 4545509	172070	375717	744487	2223132	1.00 60.0	2.00	5.00	10.0	30.0
Ethyl ether	FB	Ave	20029 1419972	53157	117973	238410	697120	1.00 60.0	2.00	5.00	10.0	30.0
2,2-Dichloro-1,1,1-trifluoroethane	FB	Ave	104805 4855591	199153	389476	795066	2363402	1.00 60.0	2.00	5.00	10.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Lin1	58580 2629351	112510	216969	433344	1291065	1.00 60.0	2.00	5.00	10.0	30.0
Isopropyl alcohol	FB	Lin2	16961 659372	28811	59581	126787	353716	20.0 1200	40.0	100	200	600
Carbon disulfide	FB	Ave	142084 7110700	274518	571991	1143035	3449085	1.00 60.0	2.00	5.00	10.0	30.0
Allyl chloride	FB	Ave	52348 2850753	101867	225427	450675	1344582	1.00 60.0	2.00	5.00	10.0	30.0
Methyl acetate	FB	Ave	37023 2557152	94847	213780	442552	1284181	5.00 300	10.0	25.0	50.0	150
Methyl tert-butyl ether	FB	Ave	65221 3463160	129714	293350	595873	1741398	1.00 60.0	2.00	5.00	10.0	30.0
Hexane	CBZ	Ave	69247 3134854	130093	251773	508641	1522089	1.00 60.0	2.00	5.00	10.0	30.0
Vinyl acetate	FB	Ave	45174 2665461	105495	238100	472277	1484619	2.00 120	4.00	10.0	20.0	60.0
Tert-butyl ethyl ether	FB	Ave	549771 32115446	1105658	2547725	5199234	15510345	5.00 300	10.0	25.0	50.0	150
Ethyl acetate	FB	Ave	+++++ 1365877	46913	117999	265723	668289	+++++ 120	4.00	10.0	20.0	60.0
2-Butanol	FB	Ave	+++++ 1717184	63130	141322	303973	903967	+++++ 1800	60.0	150	300	900
Tetrahydrofuran	FB	Ave	5932 345852	12261	27875	61779	176084	2.00 120	4.00	10.0	20.0	60.0
Cyclohexane	FB	Lin1	77032 3384548	146300	282994	568548	1649810	1.00 60.0	2.00	5.00	10.0	30.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30455-1 Analy Batch No.: 127058

SDG No.:

Instrument ID: MSV_H GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2012 12:58 Calibration End Date: 07/09/2012 14:48 Calibration ID: 9932

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Tert-amyl methyl ether	FB	Ave	402827 23886347	826014	1942884	3956007	11642538	5.00 300	10.0	25.0	50.0	150
2-Pentanone	FB	Ave	50771 2816768	106950	220790	466847	1249384	4.00 240	8.00	20.0	40.0	120
Methylcyclohexane	FB	Lin1	66122 3059829	132072	240205	513305	1490799	1.00 60.0	2.00	5.00	10.0	30.0
Methyl methacrylate	FB	Ave	+++++ 645826	23249	55440	112149	325925	+++++ 120	4.00	10.0	20.0	60.0
2-Nitropropane	FB	Ave	3026 164215	5415	17848	33935	81618	1.00 60.0	2.00	5.00	10.0	30.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 671268	18069	44236	99119	314011	+++++ 60.0	2.00	5.00	10.0	30.0
Ethyl methacrylate	CBZ	Ave	68944 3814840	131927	322050	632995	1893674	2.00 120	4.00	10.0	20.0	60.0
cis-1,4-Dichloro-2-butene	DCB	Ave	+++++ 202613	7574	16436	35110	101694	+++++ 60.0	2.00	5.00	10.0	30.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 247665	9101	21202	43581	122764	+++++ 60.0	2.00	5.00	10.0	30.0
Dibromofluoromethane (Surr)	FB	Ave	+++++ 3462721	143186	298791	586505	1745497	+++++ 60.0	2.00	5.00	10.0	30.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 1363493	56774	115642	233693	693043	+++++ 60.0	2.00	5.00	10.0	30.0
Toluene-d8 (Surr)	CBZ	Ave	+++++ 6597484	270710	577161	1104457	3288710	+++++ 60.0	2.00	5.00	10.0	30.0
4-Bromofluorobenzene (Surr)	DCB	Ave	+++++ 3134063	136770	281692	530988	1586174	+++++ 60.0	2.00	5.00	10.0	30.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070912AI\H4677.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 09-JUL-2012 12:58
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,S1.0
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070912AI\8260B-H2O.m
Meth Date : 09-Jul-2012 14:28 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 61 Fluorobenzene	96	7.593	7.593	(1.000)	1205297	12.5000	
* 86 Chlorobenzene-d5	119	11.946	11.946	(1.000)	303596	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.731	14.731	(1.000)	441361	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	6.740	6.740	(0.888)	93647	1.00000	1.41234
$ 57 1,2-Dichloroethane-d4	65	7.175	7.175	(0.945)	34037	1.00000	1.42300
$ 75 Toluene-d8	98	9.734	9.734	(0.815)	177794	1.00000	1.54312
$ 98 4-Bromofluorobenzene (Surr)	95	13.443	13.443	(0.913)	85588	1.00000	1.56013
7 1,2-Dichlorotetrafluoroethane	85	2.788	2.788	(0.367)	78522	1.00000	1.50357(a)
11 Ethylene Oxide	43	3.223	3.223	(0.425)	65912	125.000	164.224(a)
14 Dichlorofluoromethane	67	3.572	3.572	(0.470)	90583	1.00000	1.39284(a)
18 1,2-dichloro-1,1,2-trifluoro	117	3.902	3.902	(0.514)	61827	1.00000	1.20102(a)
17 Ethyl Ether	59	3.850	3.850	(0.507)	20029	1.00000	1.04378(a)
19 2,2-dichloro-1,1,1-trifluoro	83	3.972	3.972	(0.523)	104805	1.00000	1.29721(a)
23 Trichlorotrifluoroethane	151	4.181	4.181	(0.551)	58580	1.00000	1.43567(a)
24 2-propanol	45	4.303	4.303	(0.567)	16961	20.0000	16.9695(aQ)
28 Methyl Acetate	43	4.546	4.546	(0.599)	37023	5.00000	4.12072(a)
29 Allyl Chloride	41	4.546	4.546	(0.599)	52348	1.00000	1.33585(a)
26 Carbon Disulfide	76	4.442	4.442	(0.585)	142084	1.00000	1.40281(a)
33 Methyl t-butyl ether	73	4.964	4.964	(0.654)	65221	1.00000	1.12237(a)
35 Hexane	57	5.243	5.243	(0.439)	69247	1.00000	1.43719(a)
37 Vinyl acetate	43	5.487	5.487	(0.723)	45174	2.00000	1.59830(a)
40 ETBE	59	5.939	5.939	(0.782)	549771	5.00000	6.00120

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44 Ethyl Acetate	43	6.200	6.200	(0.817)	22150	2.00000	1.83563(aQ)
46 2-Butanol	45	6.357	6.357	(0.837)	28220	30.0000	27.8322
49 Tetrahydrofuran	42	6.549	6.549	(0.862)	5932	2.00000	1.58027(a)
53 Cyclohexane	56	6.862	6.862	(0.904)	77032	1.00000	1.44383(a)
60 TAME	73	7.367	7.367	(0.970)	402827	5.00000	5.74829
64 2-Pentanone	43	8.307	8.307	(1.094)	50771	4.00000	4.83587(a)
65 Methyl Cyclohexane	55	8.324	8.324	(1.096)	66122	1.00000	1.42905
67 Methyl Methacrylate	100	8.498	8.498	(1.119)	12291	2.00000	2.01967(a)
71 2-nitropropane	41	9.056	9.056	(1.193)	3026	1.00000	0.253501(aQ)
72 2-Chloroethyl vinyl ether	63	9.143	9.143	(1.204)	7452	1.00000	0.724093(a)
78 Ethyl methacrylate	69	10.257	10.257	(0.859)	68944	2.00000	2.18843(a)
84 Tetrahydrothiophene	60	11.092	11.092	(0.929)	9456	1.00000	0.980496(aQ)
96 cis-1,4-dichloro-2-butene	53	13.338	13.338	(0.905)	3479	1.00000	1.03620(a)
102 t-1,4-Dichloro-2-butene	53	13.669	13.669	(0.928)	4649	1.00000	1.08111(a)
114 1,2,3-Trimethylbenzene	105	14.801	14.801	(1.005)	109900	1.00000	1.16434

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: H4677.D

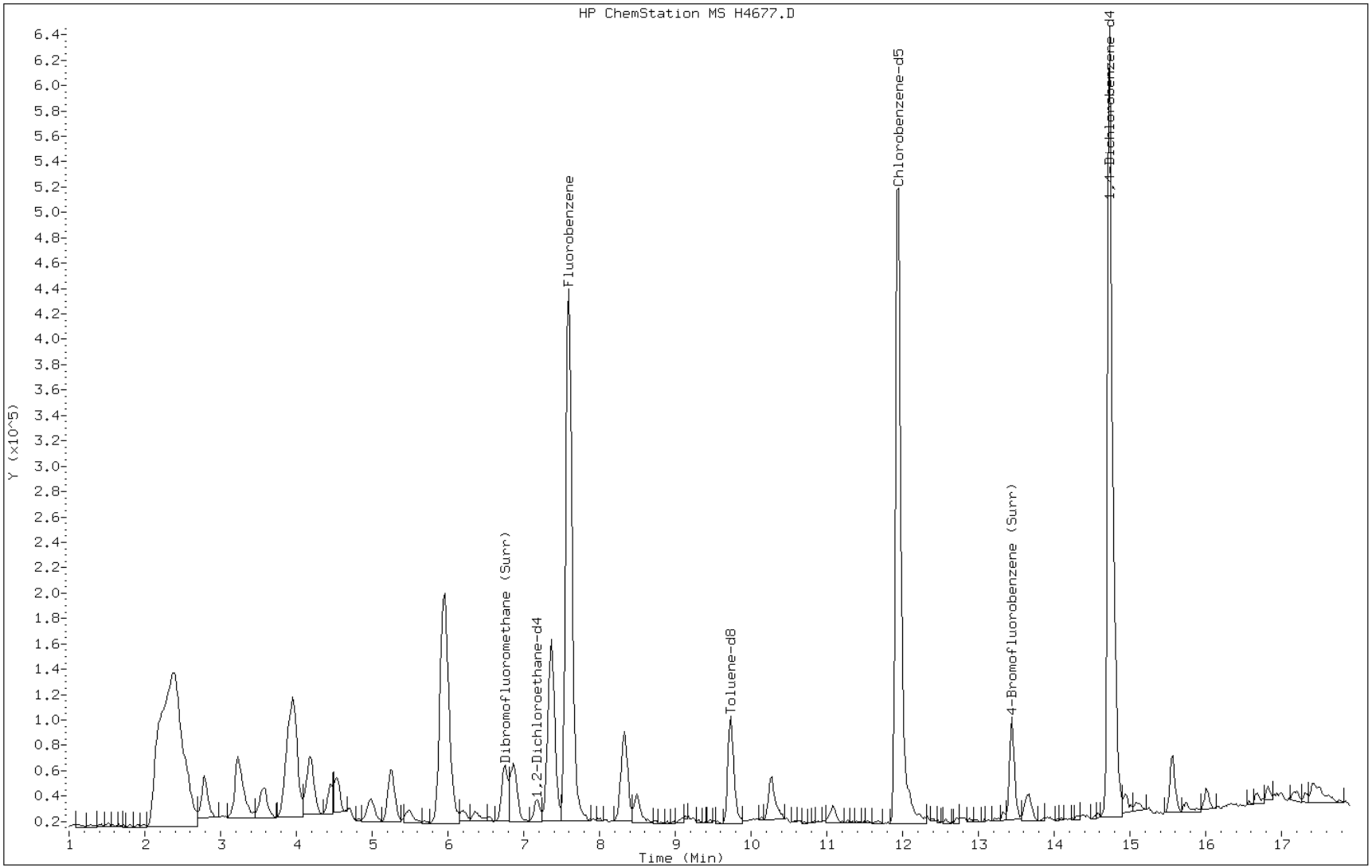
Date: 09-JUL-2012 12:58

Client ID: IC

Instrument: H.i

Sample Info: IC,,S1.0

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070912AI\H4678.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 09-JUL-2012 13:20
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,S2.0
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070912AI\8260B-H2O.m
Meth Date : 09-Jul-2012 14:28 H.i Quant Type: ISTD
Cal Date : 09-JUL-2012 12:58 Cal File: H4677.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.594	7.594	(1.000)	1142932	12.5000	
* 86 Chlorobenzene-d5	119	11.947	11.947	(1.000)	291594	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.732	14.732	(1.000)	431700	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	6.741	6.741	(0.888)	143186	2.00000	2.27730
$ 57 1,2-Dichloroethane-d4	65	7.177	7.177	(0.945)	56774	2.00000	2.50308
$ 75 Toluene-d8	98	9.736	9.736	(0.815)	270710	2.00000	2.44627
$ 98 4-Bromofluorobenzene (Surr)	95	13.444	13.444	(0.913)	136770	2.00000	2.54888
7 1,2-Dichlorotetrafluoroethane	85	2.789	2.789	(0.367)	157286	2.00000	2.84166
11 Ethylene Oxide	43	3.225	3.225	(0.425)	134765	250.000	354.097(a)
14 Dichlorofluoromethane	67	3.555	3.555	(0.468)	172070	2.00000	2.60401(Q)
18 1,2-dichloro-1,1,2-trifluoro	117	3.904	3.904	(0.514)	121815	2.00000	2.40484
17 Ethyl Ether	59	3.851	3.851	(0.507)	53157	2.00000	2.79878
19 2,2-dichloro-1,1,1-trifluoro	83	3.956	3.956	(0.521)	199153	2.00000	2.47974
23 Trichlorotrifluoroethane	151	4.182	4.182	(0.551)	112510	2.00000	2.68490(a)
24 2-propanol	45	4.339	4.339	(0.571)	28811	40.0000	43.7378(Q)
28 Methyl Acetate	43	4.530	4.530	(0.597)	94847	10.0000	11.3441(Q)
29 Allyl Chloride	41	4.530	4.530	(0.597)	101867	2.00000	2.57660
26 Carbon Disulfide	76	4.443	4.443	(0.585)	274518	2.00000	2.66780
33 Methyl t-butyl ether	73	4.983	4.983	(0.656)	129714	2.00000	2.29952(aQ)
35 Hexane	57	5.261	5.261	(0.440)	130093	2.00000	2.62456
37 Vinyl acetate	43	5.470	5.470	(0.720)	105495	4.00000	4.75420
40 ETBE	59	5.940	5.940	(0.782)	1105658	10.0000	12.4452

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44 Ethyl Acetate	43	6.202	6.202	(0.817)	46913	4.00000	4.09995(aQ)
46 2-Butanol	45	6.358	6.358	(0.837)	63130	60.0000	65.6598(Q)
49 Tetrahydrofuran	42	6.515	6.515	(0.858)	12261	4.00000	4.84207(a)
53 Cyclohexane	56	6.863	6.863	(0.904)	146300	2.00000	2.71356
60 TAME	73	7.368	7.368	(0.970)	826014	10.0000	12.1818
64 2-Pentanone	43	8.308	8.308	(1.094)	106950	8.00000	10.3711
65 Methyl Cyclohexane	55	8.343	8.343	(1.099)	132072	2.00000	2.81956
67 Methyl Methacrylate	100	8.482	8.482	(1.117)	23249	4.00000	4.02875
71 2-nitropropane	41	9.074	9.074	(1.195)	5415	2.00000	1.24142(aQ)
72 2-Chloroethyl vinyl ether	63	9.126	9.126	(1.202)	18069	2.00000	1.85152(a)
78 Ethyl methacrylate	69	10.258	10.258	(0.859)	131927	4.00000	4.31483
84 Tetrahydrothiophene	60	11.076	11.076	(0.927)	19283	2.00000	2.08176
96 cis-1,4-dichloro-2-butene	53	13.340	13.340	(0.905)	7574	2.00000	2.30636(aQ)
102 t-1,4-Dichloro-2-butene	53	13.670	13.670	(0.928)	9101	2.00000	2.16377(a)
114 1,2,3-Trimethylbenzene	105	14.802	14.802	(1.005)	216790	2.00000	2.29987

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: H4678.D

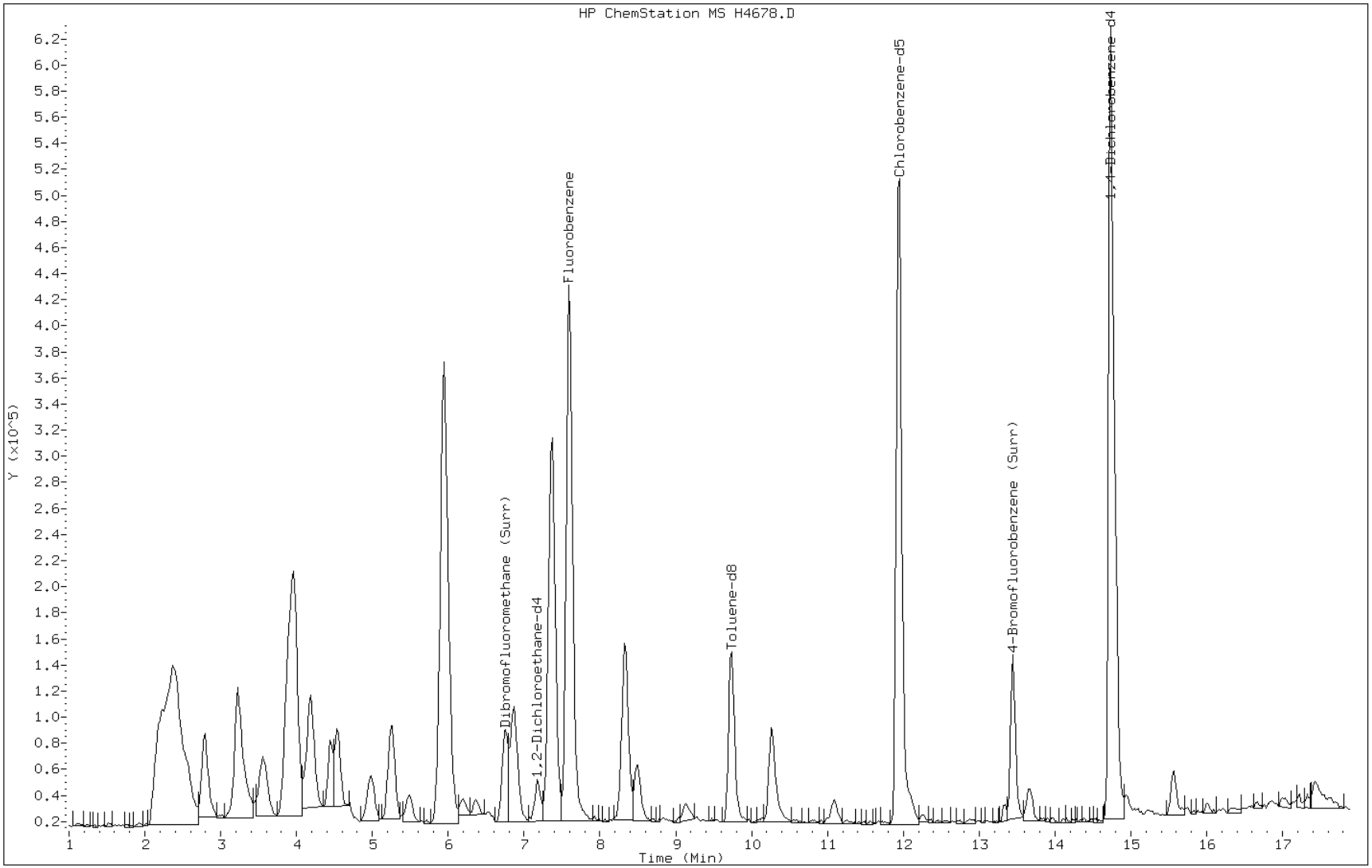
Date: 09-JUL-2012 13:20

Client ID: IC

Instrument: H.i

Sample Info: IC,,S2.0

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070912AI\H4679.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 09-JUL-2012 13:42
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,S5.0
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070912AI\8260B-H2O.m
Meth Date : 09-Jul-2012 14:28 H.i Quant Type: ISTD
Cal Date : 09-JUL-2012 13:20 Cal File: H4678.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 61 Fluorobenzene	96	7.598	7.598	(1.000)	1212270	12.5000	
* 86 Chlorobenzene-d5	119	11.933	11.933	(1.000)	303287	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.736	14.736	(1.000)	450056	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	6.745	6.745	(0.888)	298791	5.00000	4.41773
$ 57 1,2-Dichloroethane-d4	65	7.180	7.180	(0.945)	115642	5.00000	4.69491
$ 75 Toluene-d8	98	9.722	9.722	(0.815)	577161	5.00000	4.92867
$ 98 4-Bromofluorobenzene (Surr)	95	13.448	13.448	(0.913)	281692	5.00000	4.93553
7 1,2-Dichlorotetrafluoroethane	85	2.793	2.793	(0.368)	296885	5.00000	4.60113
11 Ethylene Oxide	43	3.229	3.229	(0.425)	313561	625.000	721.352
14 Dichlorofluoromethane	67	3.577	3.577	(0.471)	375717	5.00000	5.03219
18 1,2-dichloro-1,1,2-trifluoro	117	3.907	3.907	(0.514)	242170	5.00000	4.32430
17 Ethyl Ether	59	3.873	3.873	(0.510)	117973	5.00000	5.48718
19 2,2-dichloro-1,1,1-trifluoro	83	3.960	3.960	(0.521)	389476	5.00000	4.35191
23 Trichlorotrifluoroethane	151	4.186	4.186	(0.551)	216969	5.00000	4.52835
24 2-propanol	45	4.325	4.325	(0.569)	59581	100.000	95.1163
28 Methyl Acetate	43	4.534	4.534	(0.597)	213780	25.0000	23.8981
29 Allyl Chloride	41	4.534	4.534	(0.597)	225427	5.00000	5.06421
26 Carbon Disulfide	76	4.447	4.447	(0.585)	571991	5.00000	4.89138
33 Methyl t-butyl ether	73	4.987	4.987	(0.656)	293350	5.00000	4.77263(a)
35 Hexane	57	5.248	5.248	(0.440)	251773	5.00000	4.59616
37 Vinyl acetate	43	5.474	5.474	(0.720)	238100	10.0000	9.84989
40 ETBE	59	5.944	5.944	(0.782)	2547725	25.0000	26.2812

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44 Ethyl Acetate	43	6.206	6.206	(0.817)	117999	10.0000	9.63718
46 2-Butanol	45	6.362	6.362	(0.837)	141322	150.000	137.732
49 Tetrahydrofuran	42	6.536	6.536	(0.860)	27875	10.0000	10.4750
53 Cyclohexane	56	6.867	6.867	(0.904)	282994	5.00000	4.62957
60 TAME	73	7.372	7.372	(0.970)	1942884	25.0000	26.2989
64 2-Pentanone	43	8.295	8.295	(1.092)	220790	20.0000	19.4534
65 Methyl Cyclohexane	55	8.347	8.347	(1.099)	240205	5.00000	4.51558
67 Methyl Methacrylate	100	8.504	8.504	(1.119)	55440	10.0000	9.30881
71 2-nitropropane	41	9.043	9.043	(1.190)	17848	5.00000	6.36951
72 2-Chloroethyl vinyl ether	63	9.130	9.130	(1.202)	44236	5.00000	4.30162
78 Ethyl methacrylate	69	10.262	10.262	(0.860)	322050	10.0000	10.1135
84 Tetrahydrothiophene	60	11.080	11.080	(0.928)	46658	5.00000	4.90700
96 cis-1,4-dichloro-2-butene	53	13.326	13.326	(0.904)	16436	5.00000	4.76465
102 t-1,4-Dichloro-2-butene	53	13.674	13.674	(0.928)	21202	5.00000	4.91164
114 1,2,3-Trimethylbenzene	105	14.806	14.806	(1.005)	491357	5.00000	4.90922

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: H4679.D

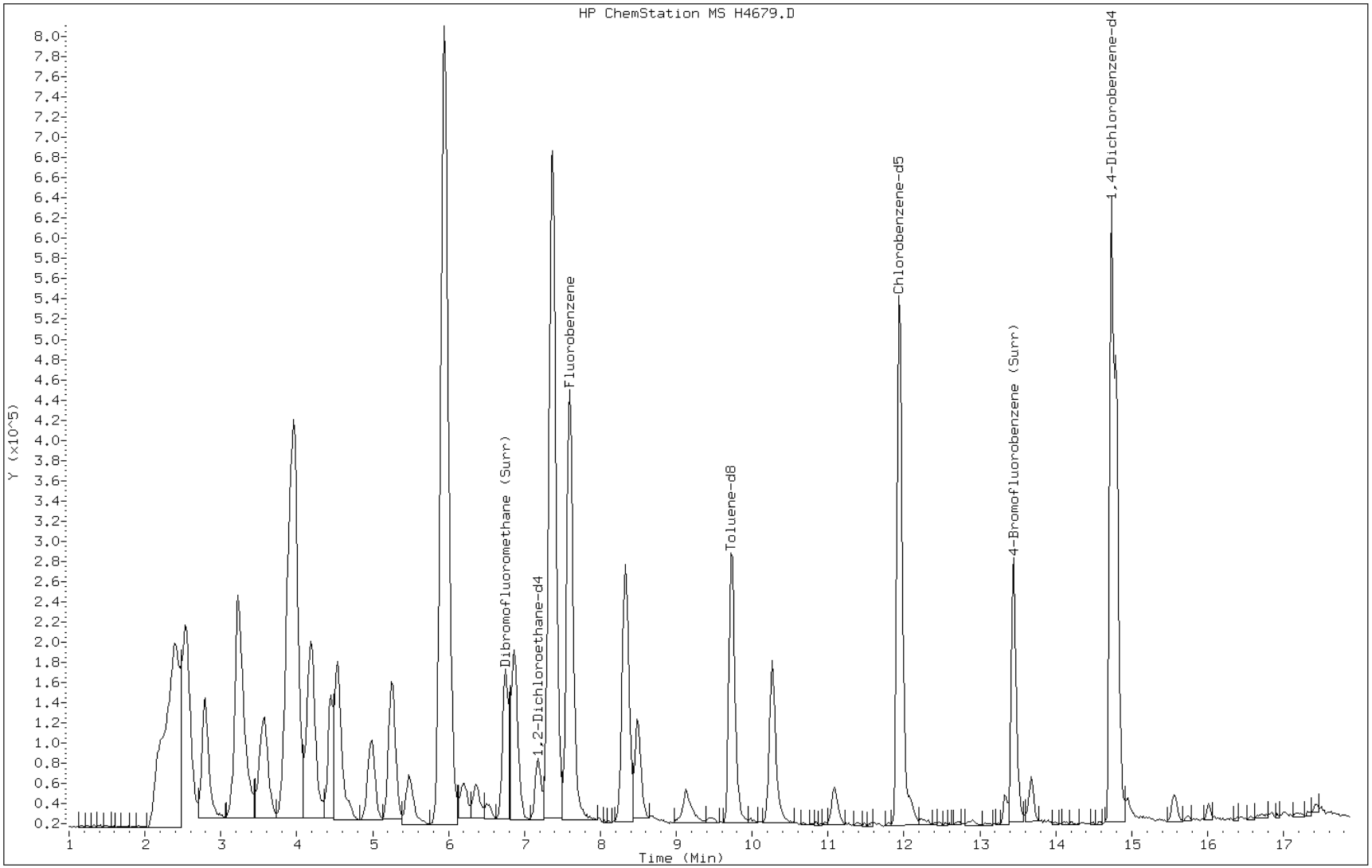
Date: 09-JUL-2012 13:42

Client ID: IC

Instrument: H.i

Sample Info: IC,,S5.0

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070912AI\H4680.D
Lab Smp Id: ICIS Client Smp ID: ICIS
Inj Date : 09-JUL-2012 14:04
Operator : MEIERG Inst ID: H.i
Smp Info : ICIS,,S10
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070912AI\8260B-H2O.m
Meth Date : 09-Jul-2012 15:11 H.i Quant Type: ISTD
Cal Date : 09-JUL-2012 14:48 Cal File: H4682.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.599	7.599	(1.000)	1108145	12.5000	
* 86 Chlorobenzene-d5	119	11.934	11.934	(1.000)	268547	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.737	14.737	(1.000)	421450	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	6.746	6.746	(0.888)	586505	10.0000	10.0746
$ 57 1,2-Dichloroethane-d4	65	7.182	7.182	(0.945)	233693	10.0000	10.1705
$ 75 Toluene-d8	98	9.723	9.723	(0.815)	1104457	10.0000	10.2628
$ 98 4-Bromofluorobenzene (Surr)	95	13.432	13.432	(0.911)	530988	10.0000	9.73436
7 1,2-Dichlorotetrafluoroethane	85	2.777	2.777	(0.365)	591632	10.0000	10.2206
11 Ethylene Oxide	43	3.212	3.212	(0.423)	629185	1250.00	1298.18
14 Dichlorofluoromethane	67	3.560	3.560	(0.469)	744487	10.0000	9.92513
18 1,2-dichloro-1,1,2-trifluoro	117	3.891	3.891	(0.512)	486666	10.0000	9.72289
17 Ethyl Ether	59	3.874	3.874	(0.510)	238410	10.0000	10.7168
19 2,2-dichloro-1,1,1-trifluoro	83	3.961	3.961	(0.521)	795066	10.0000	9.67504
23 Trichlorotrifluoroethane	151	4.187	4.187	(0.551)	433344	10.0000	10.2234
24 2-propanol	45	4.326	4.326	(0.569)	126787	200.000	222.368
28 Methyl Acetate	43	4.535	4.535	(0.597)	442552	50.0000	54.5785
29 Allyl Chloride	41	4.535	4.535	(0.597)	450675	10.0000	10.0062
26 Carbon Disulfide	76	4.448	4.448	(0.585)	1143035	10.0000	9.78229
33 Methyl t-butyl ether	73	4.988	4.988	(0.656)	595873	10.0000	10.3829
35 Hexane	57	5.249	5.249	(0.440)	508641	10.0000	9.81918
37 Vinyl acetate	43	5.475	5.475	(0.721)	472277	20.0000	20.9030
40 ETBE	59	5.946	5.946	(0.782)	5199234	50.0000	51.7859

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44 Ethyl Acetate	43	6.207	6.207	(0.817)	265723	20.0000	23.5087
46 2-Butanol	45	6.363	6.363	(0.837)	303973	300.000	321.668
49 Tetrahydrofuran	42	6.520	6.520	(0.858)	61779	20.0000	22.0965
53 Cyclohexane	56	6.868	6.868	(0.904)	568548	10.0000	10.3961
60 TAME	73	7.373	7.373	(0.970)	3956007	50.0000	52.5769
64 2-Pentanone	43	8.296	8.296	(1.092)	466847	40.0000	41.7140
65 Methyl Cyclohexane	55	8.331	8.331	(1.096)	513305	10.0000	10.4442
67 Methyl Methacrylate	100	8.505	8.505	(1.119)	112149	20.0000	21.2209
71 2-nitropropane	41	9.044	9.044	(1.190)	33935	10.0000	11.8592
72 2-Chloroethyl vinyl ether	63	9.131	9.131	(1.202)	99119	10.0000	10.5367
78 Ethyl methacrylate	69	10.263	10.263	(0.860)	632995	20.0000	21.2223
84 Tetrahydrothiophene	60	11.081	11.081	(0.929)	98324	10.0000	10.9864
96 cis-1,4-dichloro-2-butene	53	13.327	13.327	(0.904)	35110	10.0000	10.4913
102 t-1,4-Dichloro-2-butene	53	13.675	13.675	(0.928)	43581	10.0000	10.5758
114 1,2,3-Trimethylbenzene	105	14.807	14.807	(1.005)	1004073	10.0000	10.1166

Data File: H4680.D

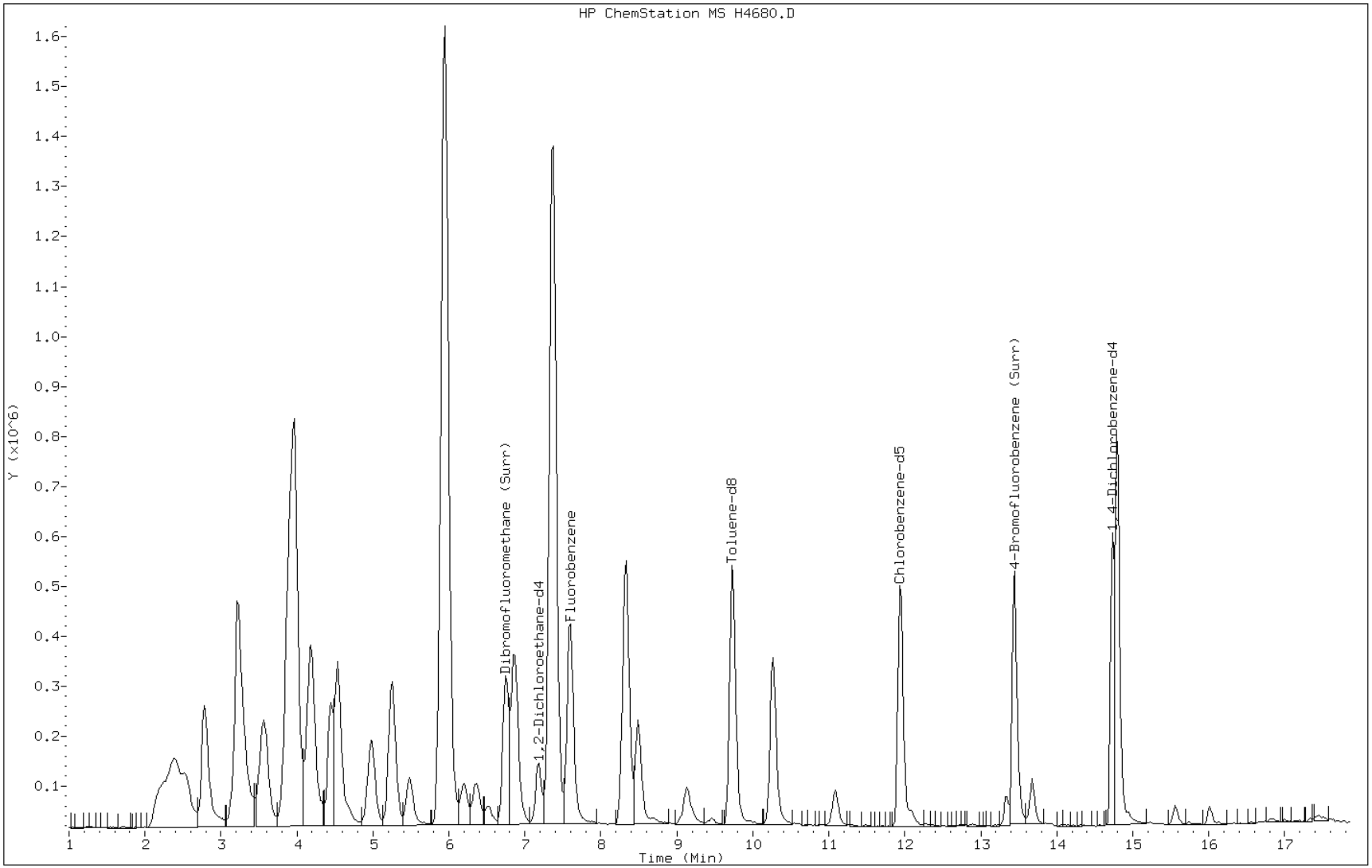
Date: 09-JUL-2012 14:04

Client ID: ICIS

Instrument: H.i

Sample Info: ICIS,,S10

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070912AI\H4681.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 09-JUL-2012 14:26
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,S30
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070912AI\8260B-H2O.m
Meth Date : 09-Jul-2012 14:45 H.i Quant Type: ISTD
Cal Date : 09-JUL-2012 14:04 Cal File: H4680.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.599	7.599	(1.000)	1223231	12.5000	
* 86 Chlorobenzene-d5	119	11.934	11.934	(1.000)	301879	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.737	14.737	(1.000)	457623	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	6.746	6.746	(0.888)	1745497	30.0000	25.7880
$ 57 1,2-Dichloroethane-d4	65	7.181	7.181	(0.945)	693043	30.0000	27.8911
$ 75 Toluene-d8	98	9.723	9.723	(0.815)	3288710	30.0000	28.0572
$ 98 4-Bromofluorobenzene (Surr)	95	13.449	13.449	(0.913)	1586174	30.0000	27.6750
7 1,2-Dichlorotetrafluoroethane	85	2.777	2.777	(0.365)	1778411	30.0000	25.9622
11 Ethylene Oxide	43	3.212	3.212	(0.423)	1904699	3750.00	3796.70
14 Dichlorofluoromethane	67	3.560	3.560	(0.469)	2223132	30.0000	27.4003
18 1,2-dichloro-1,1,2-trifluoro	117	3.891	3.891	(0.512)	1450092	30.0000	25.2578
17 Ethyl Ether	59	3.874	3.874	(0.510)	697120	30.0000	29.2800
19 2,2-dichloro-1,1,1-trifluoro	83	3.961	3.961	(0.521)	2363402	30.0000	25.5222
23 Trichlorotrifluoroethane	151	4.187	4.187	(0.551)	1291065	30.0000	25.5761
24 2-propanol	45	4.326	4.326	(0.569)	353716	600.000	583.267
28 Methyl Acetate	43	4.535	4.535	(0.597)	1284181	150.000	138.535
29 Allyl Chloride	41	4.535	4.535	(0.597)	1344582	30.0000	27.7380
26 Carbon Disulfide	76	4.448	4.448	(0.585)	3449085	30.0000	27.2123
33 Methyl t-butyl ether	73	4.988	4.988	(0.656)	1741398	30.0000	26.9827
35 Hexane	57	5.249	5.249	(0.440)	1522089	30.0000	26.6916
37 Vinyl acetate	43	5.475	5.475	(0.721)	1484619	60.0000	59.1920
40 ETBE	59	5.945	5.945	(0.782)	15510345	150.000	151.041

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
44 Ethyl Acetate	43	6.206	6.206	(0.817)	668289	60.0000	51.2377(Q)
46 2-Butanol	45	6.363	6.363	(0.837)	903967	900.000	846.127
49 Tetrahydrofuran	42	6.520	6.520	(0.858)	176084	60.0000	62.9539
53 Cyclohexane	56	6.868	6.868	(0.904)	1649810	30.0000	25.8254
60 TAME	73	7.373	7.373	(0.970)	11642538	150.000	148.728
64 2-Pentanone	43	8.296	8.296	(1.092)	1249384	120.000	105.782
65 Methyl Cyclohexane	55	8.330	8.330	(1.096)	1490799	30.0000	26.9981
67 Methyl Methacrylate	100	8.487	8.487	(1.117)	325925	60.0000	54.2973
71 2-nitropropane	41	9.062	9.062	(1.192)	81618	30.0000	30.4532
72 2-Chloroethyl vinyl ether	63	9.131	9.131	(1.202)	314011	30.0000	30.6276
78 Ethyl methacrylate	69	10.263	10.263	(0.860)	1893674	60.0000	57.3109
84 Tetrahydrothiophene	60	11.081	11.081	(0.929)	293705	30.0000	30.2108
96 cis-1,4-dichloro-2-butene	53	13.327	13.327	(0.904)	101694	30.0000	29.3341
102 t-1,4-Dichloro-2-butene	53	13.675	13.675	(0.928)	122764	30.0000	27.6621
114 1,2,3-Trimethylbenzene	105	14.807	14.807	(1.005)	2970027	30.0000	28.8824

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: H4681.D

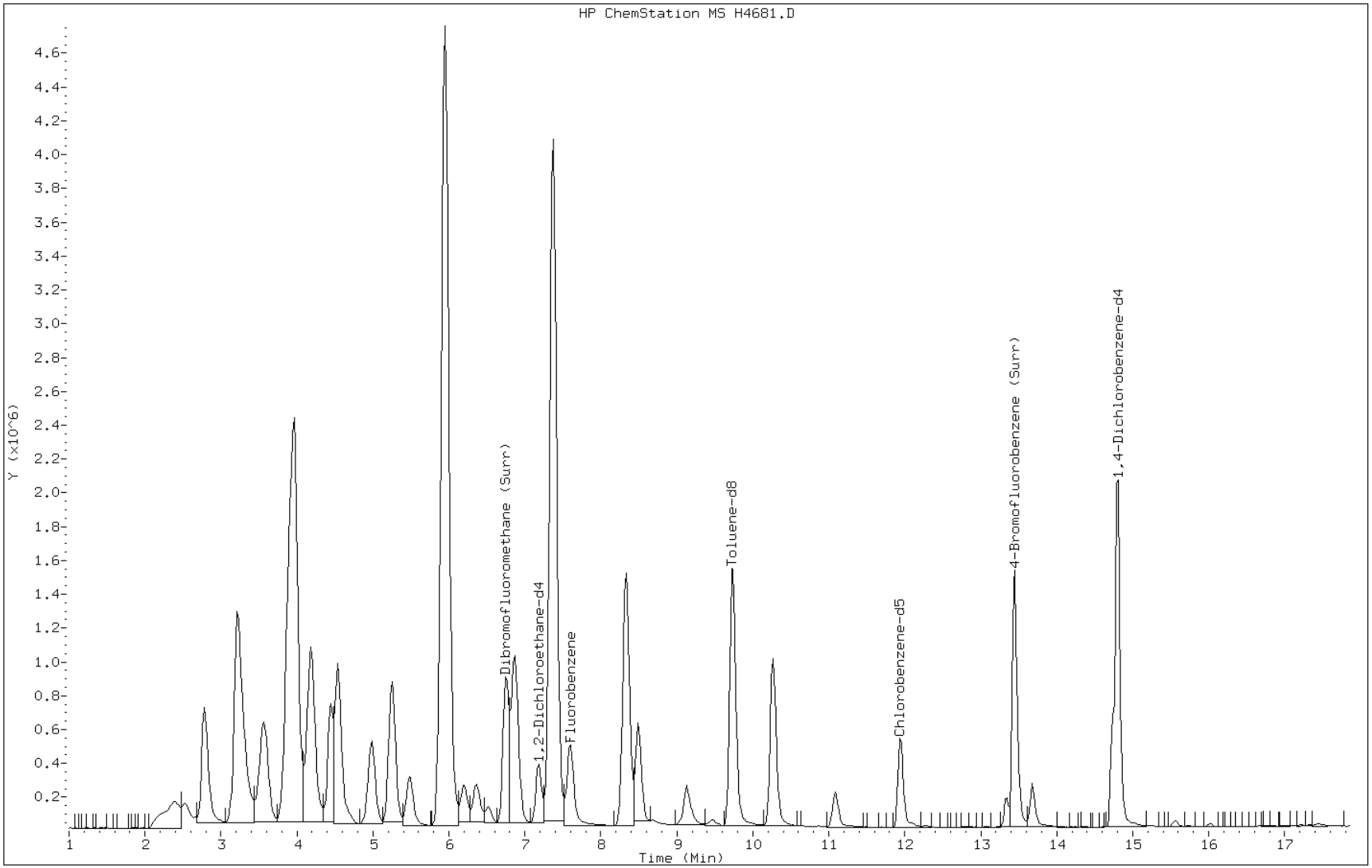
Date: 09-JUL-2012 14:26

Client ID: IC

Instrument: H.i

Sample Info: IC,,S30

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070912AI\H4682.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 09-JUL-2012 14:48
Operator : MEIERG Inst ID: H.i
Smp Info : IC,,S60
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070912AI\8260B-H2O.m
Meth Date : 09-Jul-2012 15:07 H.i Quant Type: ISTD
Cal Date : 09-JUL-2012 14:26 Cal File: H4681.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61 Fluorobenzene	96	7.593	7.593	(1.000)	1148546	12.5000	
* 86 Chlorobenzene-d5	119	11.946	11.946	(1.000)	285987	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.731	14.731	(1.000)	428055	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	6.758	6.758	(0.890)	3462721	60.0000	54.5804
$ 57 1,2-Dichloroethane-d4	65	7.176	7.176	(0.945)	1363493	60.0000	58.0313
$ 75 Toluene-d8	98	9.735	9.735	(0.815)	6597484	60.0000	58.1112
$ 98 4-Bromofluorobenzene (Surr)	95	13.443	13.443	(0.913)	3134063	60.0000	58.5082
7 1,2-Dichlorotetrafluoroethane	85	2.771	2.771	(0.365)	3572442	60.0000	54.6093
11 Ethylene Oxide	43	3.206	3.206	(0.422)	3720276	7500.00	7484.66
14 Dichlorofluoromethane	67	3.572	3.572	(0.470)	4545509	60.0000	58.1696
18 1,2-dichloro-1,1,2-trifluoro	117	3.903	3.903	(0.514)	2966051	60.0000	54.9616
17 Ethyl Ether	59	3.868	3.868	(0.509)	1419972	60.0000	61.9112(A)
19 2,2-dichloro-1,1,1-trifluoro	83	3.955	3.955	(0.521)	4855591	60.0000	55.5066
23 Trichlorotrifluoroethane	151	4.181	4.181	(0.551)	2629351	60.0000	55.0562
24 2-propanol	45	4.338	4.338	(0.571)	659372	1200.00	1133.61
28 Methyl Acetate	43	4.547	4.547	(0.599)	2557152	300.000	292.067
29 Allyl Chloride	41	4.547	4.547	(0.599)	2850753	60.0000	61.0923(A)
26 Carbon Disulfide	76	4.442	4.442	(0.585)	7110700	60.0000	58.2111
33 Methyl t-butyl ether	73	4.982	4.982	(0.656)	3463160	60.0000	56.5748
35 Hexane	57	5.243	5.243	(0.439)	3134854	60.0000	57.2229
37 Vinyl acetate	43	5.487	5.487	(0.723)	2665461	120.000	113.706
40 ETBE	59	5.957	5.957	(0.784)	32115446	300.000	317.410(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44 Ethyl Acetate	43	6.201	6.201	(0.817)	1365877	120.000	111.904
46 2-Butanol	45	6.357	6.357	(0.837)	1717184	1800.00	1687.48
49 Tetrahydrofuran	42	6.531	6.531	(0.860)	345852	120.000	121.244(A)
53 Cyclohexane	56	6.862	6.862	(0.904)	3384548	60.0000	55.8580
60 TAME	73	7.367	7.367	(0.970)	23886347	300.000	311.890(A)
64 2-Pentanone	43	8.290	8.290	(1.092)	2816768	240.000	251.976(A)
65 Methyl Cyclohexane	55	8.342	8.342	(1.099)	3059829	60.0000	58.2661
67 Methyl Methacrylate	100	8.499	8.499	(1.119)	645826	120.000	115.588
71 2-nitropropane	41	9.056	9.056	(1.193)	164215	60.0000	62.9233(A)
72 2-Chloroethyl vinyl ether	63	9.125	9.125	(1.202)	671268	60.0000	70.0261(A)
78 Ethyl methacrylate	69	10.257	10.257	(0.859)	3814840	120.000	120.719(A)
84 Tetrahydrothiophene	60	11.093	11.093	(0.929)	579177	60.0000	62.3341(A)
96 cis-1,4-dichloro-2-butene	53	13.339	13.339	(0.905)	202613	60.0000	62.9065(A)
102 t-1,4-Dichloro-2-butene	53	13.687	13.687	(0.929)	247665	60.0000	59.4573
114 1,2,3-Trimethylbenzene	105	14.801	14.801	(1.005)	6162769	60.0000	63.0043(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: H4682.D

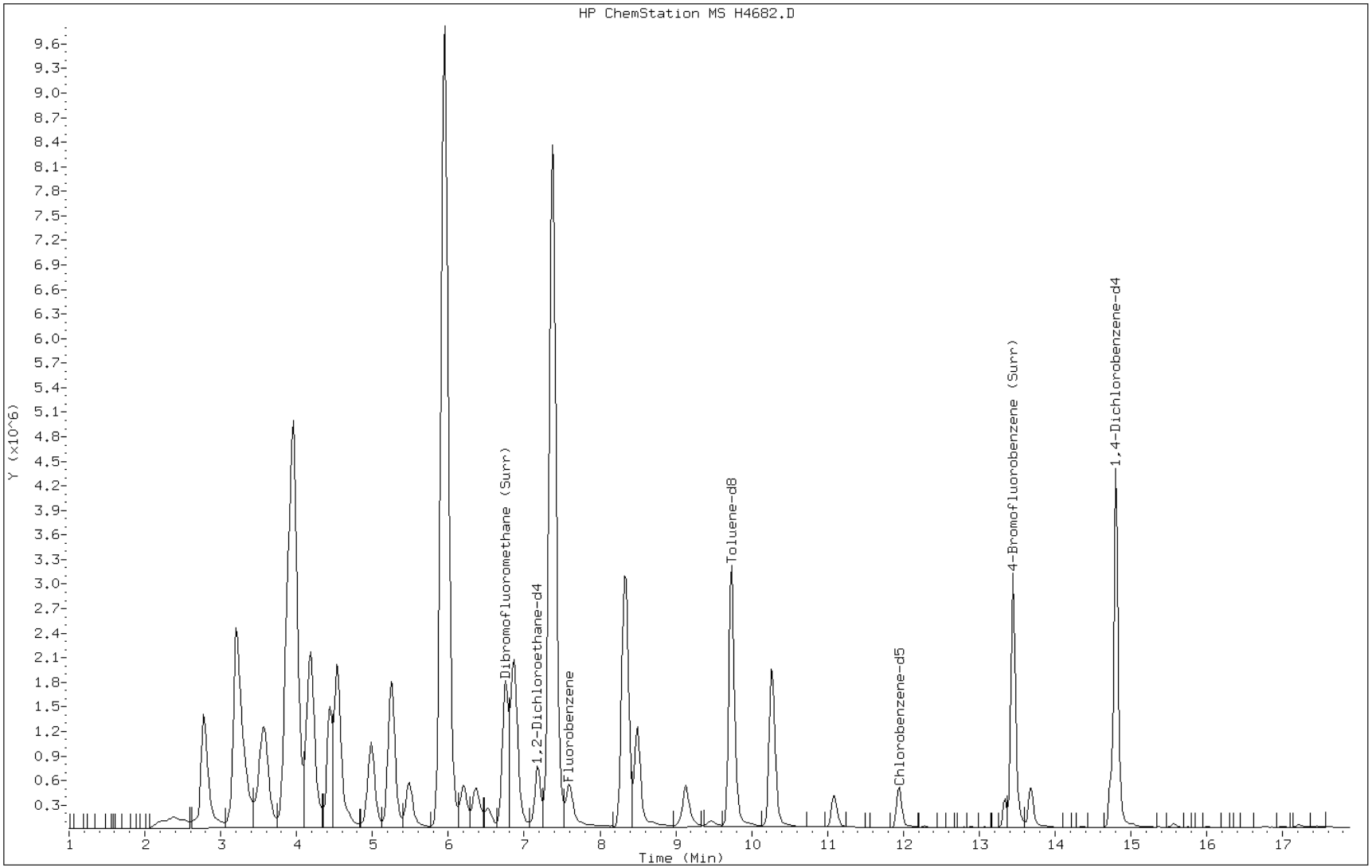
Date: 09-JUL-2012 14:48

Client ID: IC

Instrument: H.i

Sample Info: IC,,S60

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Lab Sample ID: ICV 280-126680/9 Calibration Date: 07/02/2012 15:06

Instrument ID: MSV_H Calib Start Date: 07/02/2012 12:30

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 07/02/2012 14:44

Lab File ID: H4462.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Lin	0.0008	0.0010		156	200	-21.9	50.0
2-Chloro-1,3-butadiene	Ave	0.4157	0.4787		11.5	10.0	15.1	35.0
Propionitrile	Ave	0.0104	0.0100		96.5	100	-3.5	35.0
Methacrylonitrile	Ave	0.0607	0.0603		99.3	100	-0.7	50.0
Isobutyl alcohol	Ave	0.0033	0.0032		193	200	-3.6	50.0
1,4-Dioxane	Ave	0.0012	0.0012		197	200	-1.4	55.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4462.D
Lab Smp Id: ICV Client Smp ID: ICV
Inj Date : 02-JUL-2012 15:06
Operator : MEIERG Inst ID: H.i
Smp Info : ICV,,B
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvbm.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61 Fluorobenzene	96	7.610	7.627	(1.000)	938119	12.5000	
* 86 Chlorobenzene-d5	119	11.962	11.962	(1.000)	237585	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.748	14.765	(1.000)	338327	12.5000	(Q)
16 Ethanol	45	3.832	3.849	(0.504)	14202	156.297	156.297(a)
39 Chloroprene	53	5.590	5.607	(0.735)	359261	11.5147	11.5147
45 Propionitrile	54	6.286	6.304	(0.826)	75226	96.4963	96.4963
47 Methacrylonitrile	41	6.443	6.460	(0.847)	452464	99.3119	99.3119
56 Isobutanol	41	7.105	7.122	(0.934)	47382	192.746	192.746
69 1,4-Dioxane	88	8.585	8.602	(1.128)	17583	197.297	197.297(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: H4462.D

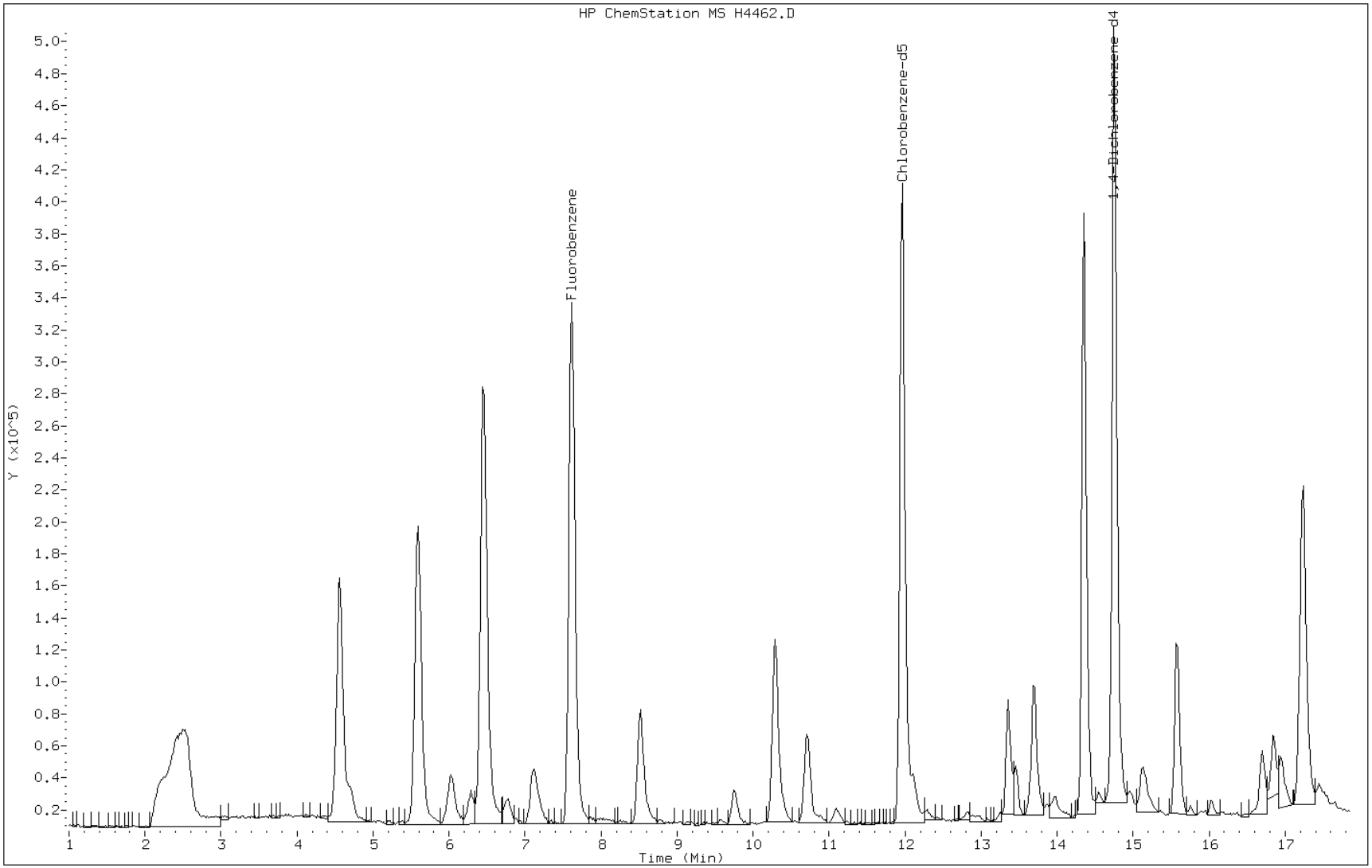
Date: 02-JUL-2012 15:06

Client ID: ICV

Instrument: H.i

Sample Info: ICV,,B

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Lab Sample ID: ICV 280-126680/10 Calibration Date: 07/02/2012 15:28

Instrument ID: MSV_H Calib Start Date: 07/02/2012 12:30

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 07/02/2012 14:44

Lab File ID: H4463.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3724	0.3746		20.1	20.0	0.6	20.0
Xylenes, Total	Ave	2.374	2.301		29.1	30.0	-3.1	35.0
Dichlorodifluoromethane	Ave	0.4703	0.4263		9.07	10.0	-9.3	20.0
Chloromethane	Ave	0.2514	0.2343	0.1000	9.32	10.0	-6.8	20.0
Vinyl chloride	Ave	0.2989	0.2707		9.06	10.0	-9.4	20.0
Bromomethane	Ave	0.3005	0.2620		8.72	10.0	-12.8	20.0
Chloroethane	Ave	0.2102	0.1832		8.72	10.0	-12.8	20.0
Trichlorofluoromethane	Ave	0.6228	0.5501		8.83	10.0	-11.7	20.0
Acrolein	Ave	0.0157	0.0155		98.4	100	-1.6	55.0
1,1-Dichloroethene	Ave	0.3201	0.3255		10.2	10.0	1.7	20.0
Acetone	Ave	0.0228	0.0223		39.0	40.0	-2.4	20.0
Iodomethane	Ave	0.8205	0.8080		9.85	10.0	-1.5	35.0
Methylene Chloride	Lin2	0.3954	0.3235		8.82	10.0	-11.8	20.0
Acrylonitrile	Ave	0.0276	0.0303		110	100	9.8	55.0
trans-1,2-Dichloroethene	Ave	0.3748	0.3767		10.1	10.0	0.5	20.0
1,1-Dichloroethane	Ave	0.6395	0.6322	0.1000	9.89	10.0	-1.1	20.0
2-Butanone (MEK)	Ave	0.0466	0.0440		37.7	40.0	-5.8	20.0
cis-1,2-Dichloroethene	Ave	0.3699	0.3726		10.1	10.0	0.7	20.0
2,2-Dichloropropane	Ave	0.4820	0.4891		10.1	10.0	1.5	20.0
Chlorobromomethane	Ave	0.2022	0.2082		10.3	10.0	3.0	20.0
Chloroform	Ave	0.6371	0.6138		9.63	10.0	-3.7	20.0
1,1,1-Trichloroethane	Ave	0.5793	0.5481		9.46	10.0	-5.4	20.0
1,1-Dichloropropene	Ave	0.5501	0.5261		9.56	10.0	-4.4	20.0
Carbon tetrachloride	Ave	0.5863	0.5732		9.78	10.0	-2.2	20.0
Benzene	Ave	1.044	1.048		10.0	10.0	0.4	20.0
1,2-Dichloroethane	Ave	0.2416	0.2522		10.4	10.0	4.4	20.0
Trichloroethene	Ave	0.4511	0.4378		9.71	10.0	-2.9	20.0
1,2-Dichloropropane	Ave	0.3916	0.3789		9.68	10.0	-3.2	20.0
Dibromomethane	Ave	0.2271	0.2192		9.65	10.0	-3.5	20.0
Dichlorobromomethane	Ave	0.5532	0.5459		9.87	10.0	-1.3	20.0
cis-1,3-Dichloropropene	Ave	0.4967	0.4987		10.0	10.0	0.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1501	0.1422		37.9	40.0	-5.3	20.0
Toluene	Ave	1.158	1.160		10.0	10.0	0.1	20.0
trans-1,3-Dichloropropene	Ave	0.3607	0.3564		9.88	10.0	-1.2	20.0
1,1,2-Trichloroethane	Ave	0.2400	0.2313		9.64	10.0	-3.6	20.0
Tetrachloroethene	Ave	1.863	1.808		9.71	10.0	-2.9	20.0
1,3-Dichloropropane	Ave	1.630	1.593		9.77	10.0	-2.3	20.0
2-Hexanone	Ave	0.4590	0.3988		34.8	40.0	-13.1	20.0
Chlorodibromomethane	Ave	2.039	1.978		9.70	10.0	-3.0	20.0
Ethylene Dibromide	Ave	1.432	1.366		9.53	10.0	-4.7	20.0
1-Chlorohexane	Ave	2.522	2.326		9.22	10.0	-7.8	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Lab Sample ID: ICV 280-126680/10 Calibration Date: 07/02/2012 15:28

Instrument ID: MSV_H Calib Start Date: 07/02/2012 12:30

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 07/02/2012 14:44

Lab File ID: H4463.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorobenzene	Ave	3.710	3.666	0.3000	9.88	10.0	-1.2	20.0
1,1,1,2-Tetrachloroethane	Ave	1.847	1.804		9.77	10.0	-2.3	20.0
Ethylbenzene	Ave	1.826	1.759		9.63	10.0	-3.7	20.0
m-Xylene & p-Xylene	Ave	2.453	2.395		19.5	20.0	-2.4	20.0
o-Xylene	Ave	2.214	2.111		9.53	10.0	-4.7	20.0
Styrene	Ave	3.594	3.505		9.75	10.0	-2.5	20.0
Bromoform	Ave	1.062	1.079	0.1000	10.2	10.0	1.6	20.0
Isopropylbenzene	Ave	4.336	4.131		9.53	10.0	-4.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8796	0.8201	0.3000	9.32	10.0	-6.8	20.0
Bromobenzene	Ave	1.145	1.102		9.63	10.0	-3.7	20.0
1,2,3-Trichloropropane	Ave	0.1996	0.1957		9.80	10.0	-2.0	20.0
N-Propylbenzene	Ave	1.194	1.085		9.08	10.0	-9.2	20.0
2-Chlorotoluene	Ave	1.021	0.9831		9.63	10.0	-3.7	20.0
1,3,5-Trimethylbenzene	Ave	3.203	3.019		9.42	10.0	-5.8	20.0
4-Chlorotoluene	Ave	1.129	1.061		9.40	10.0	-6.0	20.0
tert-Butylbenzene	Ave	3.819	3.580		9.37	10.0	-6.3	20.0
1,2,4-Trimethylbenzene	Ave	3.074	2.815		9.16	10.0	-8.4	20.0
sec-Butylbenzene	Ave	1.026	0.9704		9.46	10.0	-5.4	20.0
1,3-Dichlorobenzene	Ave	1.995	1.896		9.50	10.0	-5.0	20.0
4-Isopropyltoluene	Ave	4.209	3.902		9.27	10.0	-7.3	20.0
1,4-Dichlorobenzene	Ave	2.319	2.232		9.62	10.0	-3.8	20.0
n-Butylbenzene	Ave	3.613	3.401		9.41	10.0	-5.9	20.0
1,2-Dichlorobenzene	Ave	1.695	1.630		9.62	10.0	-3.8	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1691	0.1669		9.87	10.0	-1.3	20.0
1,2,4-Trichlorobenzene	Ave	1.263	1.280		10.1	10.0	1.3	20.0
Hexachlorobutadiene	Ave	1.147	1.158		10.1	10.0	0.9	20.0
Naphthalene	Ave	1.468	1.510		10.3	10.0	2.9	20.0
1,2,3-Trichlorobenzene	Ave	1.004	1.019		10.1	10.0	1.4	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4463.D
Lab Smp Id: ICV Client Smp ID: ICV
Inj Date : 02-JUL-2012 15:28
Operator : MEIERG Inst ID: H.i
Smp Info : ICV,,A
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\8260B-H2O.m
Meth Date : 05-Jul-2012 11:02 H.i Quant Type: ISTD
Cal Date : 02-JUL-2012 18:04 Cal File: H4470.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvma.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.613	7.627	(1.000)	1002661	12.5000	
* 86	Chlorobenzene-d5	119	11.965	11.962	(1.000)	236057	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.751	14.765	(1.000)	362058	12.5000	(Q)
M 1	1,2-Dichloroethene (total)	96				601023	20.1219	20.1219
M 2	Xylene (total)	106				1303364	29.0617	29.0617
M 3	1,3-Dichloropropene (total)	75				685939	19.9237	19.9237
M 4	Trihalomethanes (total)	83				1507525	39.3661	39.3661
5	Chlorotrifluoroethene	116	2.617	2.613	(0.344)	202935	10.1151	10.1151
6	dichlorodifluoromethane	85	2.651	2.648	(0.348)	341980	9.06562	9.06562
8	Chloromethane	50	2.843	2.857	(0.373)	187972	9.32256	9.32256
9	Vinyl Chloride	62	2.982	2.996	(0.392)	217164	9.05868	9.05868
10	2-Chloro-1,1,1-trifluoroethane	118	3.034	3.031	(0.399)	433869	10.1314	10.1314
12	Bromomethane	94	3.313	3.327	(0.435)	210126	8.71608	8.71608
13	Chloroethane	64	3.365	3.379	(0.442)	146977	8.71547	8.71547
15	Trichlorofluoromethane	101	3.626	3.623	(0.476)	441208	8.83253	8.83253(Q)
20	Acrolein	56	4.079	4.075	(0.536)	124176	98.3887	98.3887
22	Acetone	43	4.236	4.249	(0.556)	71519	39.0400	39.0400
21	1,1-Dichloroethene	96	4.183	4.180	(0.550)	261090	10.1694	10.1694
25	Iodomethane	142	4.375	4.389	(0.575)	648076	9.84732	9.84732
30	Methylene Chloride	84	4.706	4.702	(0.618)	259470	8.82487	8.82487
32	Acrylonitrile	53	4.984	4.981	(0.655)	243331	109.783	109.783
34	trans-1,2-Dichloroethene	96	5.002	4.998	(0.657)	302182	10.0500	10.0500

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
36	1,1-Dichloroethane	63	5.489	5.520	(0.721)	507133	9.88685	9.88685
42	2-Butanone	43	6.186	6.164	(0.812)	141038	37.6950	37.6950
41	cis-1,2-Dichloroethene	96	6.186	6.182	(0.812)	298841	10.0719	10.0719
43	2,2-Dichloropropane	77	6.203	6.199	(0.815)	392322	10.1482	10.1482
48	Bromochloromethane	128	6.499	6.495	(0.854)	167014	10.2973	10.2973
50	Chloroform	83	6.569	6.565	(0.863)	492331	9.63354	9.63354
52	1,1,1-Trichloroethane	97	6.812	6.826	(0.895)	439604	9.45980	9.45980
54	1,1-Dichloropropene	75	7.004	7.000	(0.920)	421984	9.56419	9.56419
55	Carbon Tetrachloride	117	7.021	7.035	(0.922)	459788	9.77639	9.77639
59	1,2-Dichloroethane	62	7.300	7.296	(0.959)	202282	10.4395	10.4395
58	Benzene	78	7.265	7.261	(0.954)	840988	10.0384	10.0384
63	Trichloroethene	95	8.101	8.097	(1.064)	351167	9.70562	9.70562
66	1,2-Dichloropropane	63	8.397	8.410	(1.103)	303935	9.67558	9.67558
68	Dibromomethane	93	8.588	8.584	(1.128)	175788	9.65021	9.65021
70	Bromodichloromethane	83	8.762	8.776	(1.151)	437876	9.86837	9.86837
73	cis-1,3-Dichloropropene	75	9.371	9.368	(1.231)	400029	10.0411	10.0410
74	4-Methyl-2-pentanone	43	9.580	9.577	(1.258)	456298	37.8920	37.8920
76	Toluene	91	9.842	9.855	(1.293)	930228	10.0109	10.0109
77	trans-1,3-Dichloropropene	75	10.172	10.169	(1.336)	285910	9.88264	9.88264
79	1,1,2-Trichloroethane	97	10.486	10.482	(1.377)	185528	9.63641	9.63641
82	2-Hexanone	43	10.869	10.865	(0.908)	301224	34.7502	34.7502
81	1,3-Dichloropropane	76	10.747	10.761	(0.898)	300763	9.77053	9.77052
80	Tetrachloroethene	164	10.712	10.708	(0.895)	341401	9.70626	9.70626
83	Dibromochloromethane	129	11.130	11.126	(0.930)	373616	9.70334	9.70334
85	1,2-Dibromoethane	107	11.321	11.318	(0.946)	257922	9.53499	9.53499
87	1-Chlorohexane	91	11.948	11.944	(0.999)	439197	9.22085	9.22085
88	Chlorobenzene	112	12.000	12.014	(1.003)	692224	9.87982	9.87982
89	1,1,1,2-Tetrachloroethane	131	12.122	12.118	(1.013)	340643	9.76689	9.76689
90	Ethylbenzene	106	12.140	12.136	(1.015)	332188	9.63129	9.63129
91	m and p-Xylene	106	12.296	12.293	(1.028)	904652	19.5276	19.5276
92	o-Xylene	106	12.801	12.815	(1.070)	398712	9.53411	9.53411
93	Styrene	104	12.819	12.832	(1.071)	661924	9.75150	9.75150
94	Bromoform	173	13.080	13.093	(1.093)	203702	10.1609	10.1609
95	isopropyl benzene	105	13.254	13.268	(0.899)	1196498	9.52650	9.52650
99	1,1,2,2-Tetrachloroethane	83	13.637	13.633	(0.924)	237534	9.32373	9.32372
101	1,2,3-Trichloropropane	110	13.689	13.685	(0.928)	56671	9.80301	9.80301
100	Bromobenzene	156	13.637	13.651	(0.924)	319258	9.62978	9.62978
103	n-Propylbenzene	120	13.741	13.755	(0.932)	314260	9.08424	9.08424
104	2-Chlorotoluene	126	13.863	13.859	(0.940)	284754	9.62795	9.62795
105	1,3,5-Trimethylbenzene	105	13.950	13.946	(0.946)	874486	9.42457	9.42456
106	4-Chlorotoluene	126	13.985	13.981	(0.948)	307377	9.40134	9.40134
107	tert-Butylbenzene	119	14.316	14.312	(0.970)	1036832	9.37410	9.37410
108	1,2,4-Trimethylbenzene	105	14.368	14.364	(0.974)	815262	9.15552	9.15552
109	sec-Butylbenzene	134	14.542	14.556	(0.986)	281081	9.45888	9.45888
111	4-Isopropyltoluene	119	14.699	14.695	(0.996)	1130065	9.27019	9.27019
110	1,3-Dichlorobenzene	146	14.681	14.695	(0.995)	549198	9.50330	9.50330
113	1,4-dichlorobenzene	146	14.768	14.782	(1.001)	646438	9.62496	9.62496
115	n-Butylbenzene	91	15.117	15.113	(1.025)	985068	9.41362	9.41362
116	1,2-Dichlorobenzene	146	15.169	15.165	(1.028)	472004	9.61668	9.61668
117	1,2-Dibromo-3-chloropropane	157	15.935	15.931	(1.080)	48334	9.86753	9.86753
118	1,2,4-Trichlorobenzene	180	16.701	16.697	(1.132)	370636	10.1341	10.1341
119	Hexachlorobutadiene	225	16.840	16.854	(1.142)	335376	10.0930	10.0930
120	Naphthalene	128	16.945	16.941	(1.149)	437450	10.2864	10.2864
121	1,2,3-Trichlorobenzene	180	17.188	17.185	(1.165)	295129	10.1446	10.1446

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: H4463.D

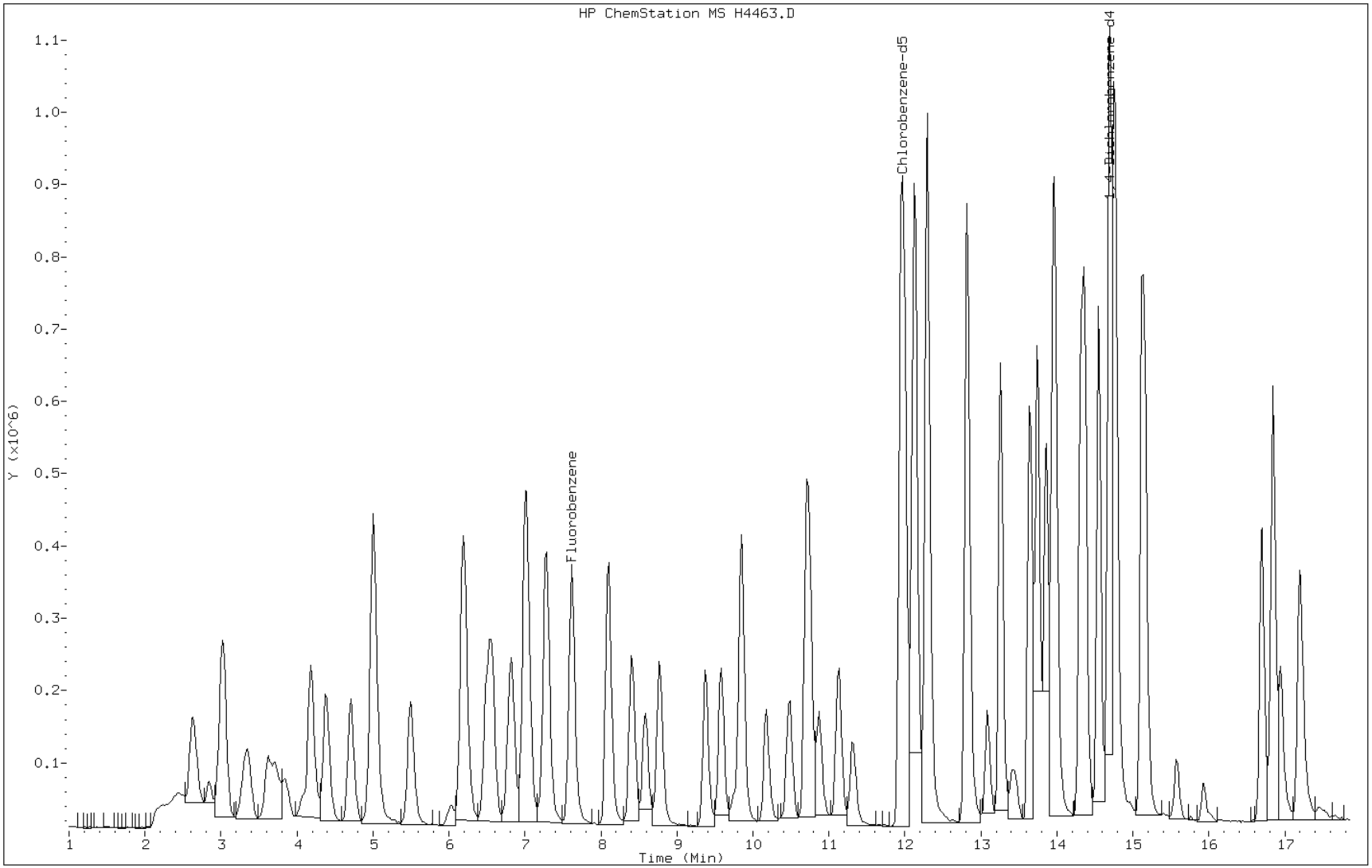
Date: 02-JUL-2012 15:28

Client ID: ICV

Instrument: H.i

Sample Info: ICV,,A

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Lab Sample ID: ICV 280-127058/9 Calibration Date: 07/09/2012 15:10

Instrument ID: MSV_H Calib Start Date: 07/09/2012 12:58

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 07/09/2012 14:48

Lab File ID: H4683.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.8461	0.7712		9.11	10.0	-8.9	50.0
Ethyl ether	Ave	0.2509	0.2267		9.03	10.0	-9.7	35.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.9270	0.8903		9.60	10.0	-4.0	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Lin1	0.5126	0.5209		10.9	10.0	9.2	35.0
Isopropyl alcohol	Lin2	0.0070	0.0056		172	200	-14.2	50.0
Carbon disulfide	Ave	1.318	1.227		9.31	10.0	-6.9	20.0
Allyl chloride	Ave	0.5080	0.4519		8.89	10.0	-11.1	35.0
Methyl acetate	Ave	0.0915	0.0803		43.9	50.0	-12.2	55.0
Methyl tert-butyl ether	Ave	0.6474	0.5375		8.30	10.0	-17.0	20.0
Hexane	Ave	2.411	2.373		9.84	10.0	-1.6	20.0
Vinyl acetate	Ave	0.2549	0.3495		27.4	20.0	37.1	55.0
Tert-butyl ethyl ether	Ave	1.133	0.9695		42.8	50.0	-14.4	35.0
Ethyl acetate	Ave	0.1275	0.1207		18.9	20.0	-5.4	55.0
2-Butanol	Ave	0.0107	0.0092		260	301	-13.7	50.0
Tetrahydrofuran	Ave	0.0315	0.0267		17.0	20.0	-15.2	55.0
Cyclohexane	Lin1	0.6666	0.6445		10.4	10.0	4.5	35.0
Tert-amyl methyl ether	Ave	0.8487	0.7374		43.4	50.0	-13.1	35.0
2-Pentanone	Ave	0.1262	0.1517		48.1	40.0	20.2	55.0
Methylcyclohexane	Lin1	0.5909	0.5955		10.8	10.0	7.5	35.0
Methyl methacrylate	Ave	0.0596	0.0521		17.5	20.0	-12.6	35.0
2-Nitropropane	Ave	0.0323	0.0257		7.96	10.0	-20.4	55.0
2-Chloroethyl vinyl ether	Ave	0.1061	0.1040		9.80	10.0	-2.0	55.0
Ethyl methacrylate	Ave	1.388	1.207		17.4	20.0	-13.0	35.0
cis-1,4-Dichloro-2-butene	Ave	0.0993	0.1411		14.2	10.0	42.2	55.0
trans-1,4-Dichloro-2-butene	Ave	0.1222	0.1161		9.50	10.0	-5.0	55.0
Dibromofluoromethane (Surr)	Ave	0.6567	0.6084		8.34	9.00	-7.4	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2592	0.2380		8.26	9.00	-8.2	35.0
Toluene-d8 (Surr)	Ave	5.009	4.847		8.71	9.00	-3.2	35.0
4-Bromofluorobenzene (Surr)	Ave	1.618	1.521		8.46	9.00	-6.0	35.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\070912AI\H4683.D
Lab Smp Id: ICV Client Smp ID: ICV
Inj Date : 09-JUL-2012 15:10
Operator : MEIERG Inst ID: H.i
Smp Info : ICV,,S
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070912AI\8260B-H2O.m
Meth Date : 10-Jul-2012 06:03 meierg Quant Type: ISTD
Cal Date : 09-JUL-2012 14:04 Cal File: H4680.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61 Fluorobenzene	96	7.594	7.599	(1.000)	1201727	12.5000	
* 86 Chlorobenzene-d5	119	11.946	11.934	(1.000)	303898	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.731	14.737	(1.000)	463548	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	6.740	6.746	(0.888)	526423	8.33838	8.33838
$ 57 1,2-Dichloroethane-d4	65	7.176	7.182	(0.945)	205882	8.26239	8.26239
$ 75 Toluene-d8	98	9.735	9.723	(0.815)	1060537	8.70839	8.70838
$ 98 4-Bromofluorobenzene (Surr)	95	13.443	13.432	(0.913)	507664	8.46156	8.46156
7 1,2-Dichlorotetrafluoroethane	85	2.771	2.777	(0.365)	701969	11.2166	11.2166
11 Ethylene Oxide	43	3.224	3.212	(0.425)	577724	1099.18	1099.18
14 Dichlorofluoromethane	67	3.572	3.560	(0.470)	741381	9.11405	9.11405
18 1,2-dichloro-1,1,2-trifluoro	117	3.903	3.891	(0.514)	501816	9.24485	9.24485
17 Ethyl Ether	59	3.868	3.874	(0.509)	217960	9.03461	9.03461
19 2,2-dichloro-1,1,1-trifluoro	83	3.955	3.961	(0.521)	855941	9.60471	9.60471
23 Trichlorotrifluoroethane	151	4.181	4.187	(0.551)	500797	10.9179	10.9179
24 2-propanol	45	4.338	4.326	(0.571)	107308	171.623	171.623
28 Methyl Acetate	43	4.529	4.535	(0.597)	385909	43.8867	43.8867
29 Allyl Chloride	41	4.529	4.535	(0.597)	434420	8.89423	8.89423
26 Carbon Disulfide	76	4.442	4.448	(0.585)	1179811	9.31074	9.31074(Q)
33 Methyl t-butyl ether	73	4.982	4.988	(0.656)	516707	8.30233	8.30233
35 Hexane	57	5.261	5.249	(0.440)	576933	9.84196	9.84196
37 Vinyl acetate	43	5.487	5.476	(0.723)	672018	27.4273	27.4273
40 ETBE	59	5.940	5.946	(0.782)	4660357	42.8038	42.8038

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
44 Ethyl Acetate	43	6.201	6.207	(0.817)	231989	18.9259	18.9259
46 2-Butanol	45	6.357	6.363	(0.837)	266707	260.254	260.254
49 Tetrahydrofuran	42	6.532	6.520	(0.860)	51395	16.9509	16.9509
53 Cyclohexane	56	6.862	6.868	(0.904)	619581	10.4489	10.4489
60 TAME	73	7.367	7.373	(0.970)	3544483	43.4392	43.4392
64 2-Pentanone	43	8.307	8.296	(1.094)	583353	48.0651	48.0651
65 Methyl Cyclohexane	55	8.342	8.331	(1.099)	572495	10.7505	10.7505
67 Methyl Methacrylate	100	8.499	8.505	(1.119)	100153	17.4752	17.4752
71 2-nitropropane	41	9.056	9.044	(1.193)	24705	7.96128	7.96128
72 2-Chloroethyl vinyl ether	63	9.126	9.131	(1.202)	99937	9.79634	9.79634
78 Ethyl methacrylate	69	10.257	10.263	(0.859)	587000	17.3909	17.3909
84 Tetrahydrothiophene	60	11.093	11.081	(0.929)	104366	10.3050	10.3050
96 cis-1,4-dichloro-2-butene	53	13.339	13.327	(0.905)	52325	14.2153	14.2153
102 t-1,4-Dichloro-2-butene	53	13.687	13.675	(0.929)	43056	9.49949	9.49949
114 1,2,3-Trimethylbenzene	105	14.801	14.807	(1.005)	982398	8.99930	8.99930

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: H4683.D

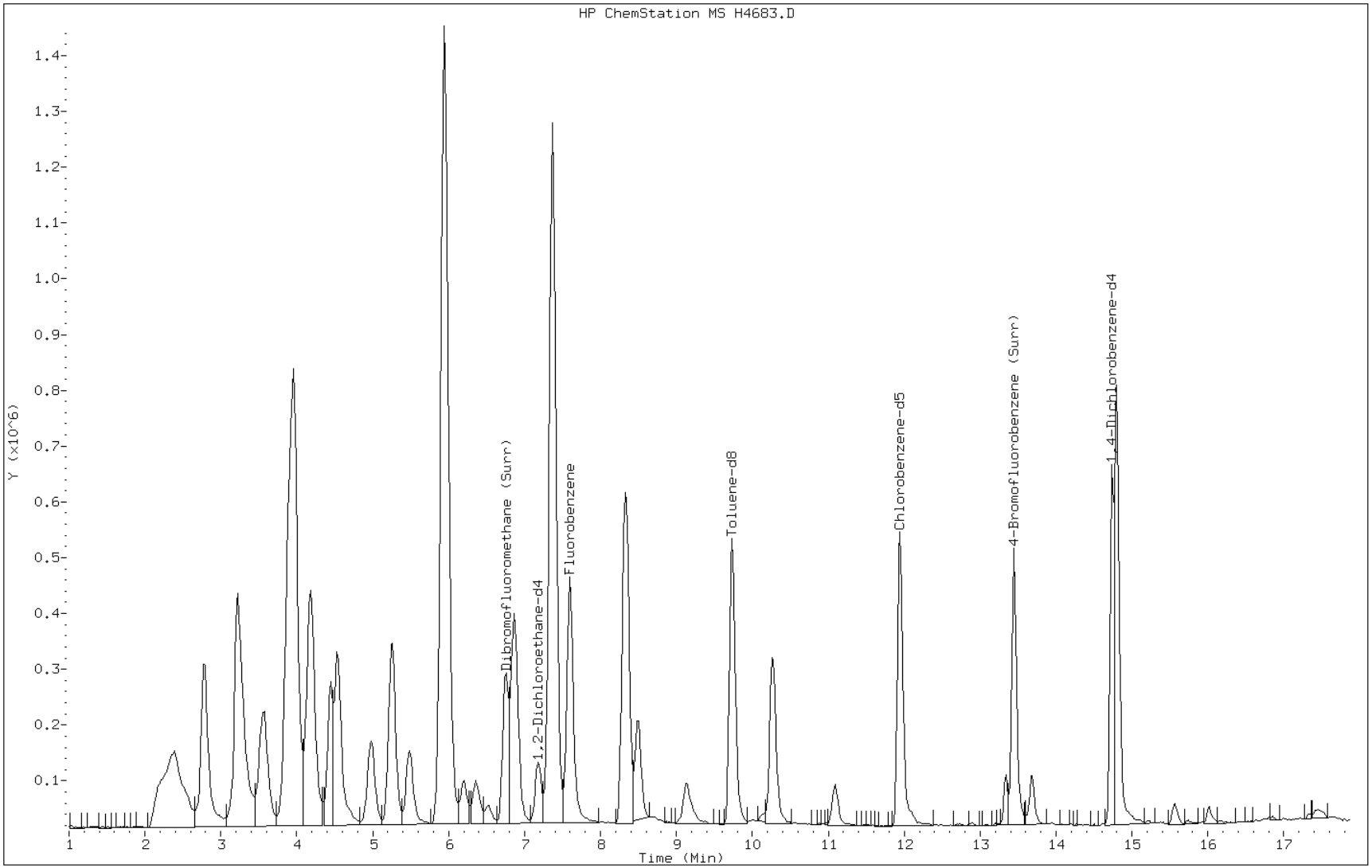
Date: 09-JUL-2012 15:10

Client ID: ICV

Instrument: H.i

Sample Info: ICV,,S

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Lab Sample ID: CCV 280-127122/2 Calibration Date: 07/10/2012 06:40

Instrument ID: MSV_H Calib Start Date: 07/02/2012 12:30

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 07/02/2012 14:44

Lab File ID: H4711.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3724	0.3840		20.6	20.0	3.1	20.0
Xylenes, Total	Ave	2.374	2.393		30.2	30.0	0.8	35.0
Dichlorodifluoromethane	Ave	0.4703	0.4181		8.89	10.0	-11.1	20.0
Chloromethane	Ave	0.2514	0.2566	0.1000	10.2	10.0	2.1	20.0
Vinyl chloride	Ave	0.2989	0.3409		11.4	10.0	14.1	20.0
Bromomethane	Ave	0.3005	0.3054		10.2	10.0	1.6	20.0
Chloroethane	Ave	0.2102	0.2402		11.4	10.0	14.3	20.0
Trichlorofluoromethane	Ave	0.6228	0.6567		10.5	10.0	5.5	20.0
Ethanol	Lin	0.0008	0.0008		524	500	4.8	50.0
Acrolein	Ave	0.0157	0.0181		114	99.6	14.9	50.0
1,1-Dichloroethene	Ave	0.3201	0.3315		10.4	10.0	3.6	20.0
Acetone	Ave	0.0228	0.0243		42.5	40.0	6.2	20.0
Iodomethane	Ave	0.8205	0.8551		10.4	10.0	4.2	35.0
Acetonitrile	Lin1	0.0037	0.0048		113	100	13.0	50.0
Methylene Chloride	Lin2	0.3954	0.2996		8.05	10.0	-19.5	20.0
2-Methyl-2-propanol	Ave	0.0122	0.0112		183	200	-8.5	50.0
Acrylonitrile	Ave	0.0276	0.0291		105	100	5.4	50.0
trans-1,2-Dichloroethene	Ave	0.3748	0.3909		10.4	10.0	4.3	20.0
1,1-Dichloroethane	Ave	0.6395	0.6953	0.1000	10.9	10.0	8.7	20.0
Isopropyl ether	Ave	0.2833	0.2809		49.6	50.0	-0.8	35.0
2-Chloro-1,3-butadiene	Ave	0.4157	0.4535		10.9	10.0	9.1	35.0
2-Butanone (MEK)	Ave	0.0466	0.0527		45.2	40.0	13.0	20.0
cis-1,2-Dichloroethene	Ave	0.3699	0.3771		10.2	10.0	1.9	20.0
2,2-Dichloropropane	Ave	0.4820	0.5288		11.0	10.0	9.7	20.0
Propionitrile	Ave	0.0104	0.0110		106	100	6.1	50.0
Methacrylonitrile	Ave	0.0607	0.0675		111	100	11.1	50.0
Chlorobromomethane	Ave	0.2022	0.2013		9.95	10.0	-0.5	20.0
Chloroform	Ave	0.6371	0.6500		10.2	10.0	2.0	20.0
1,1,1-Trichloroethane	Ave	0.5793	0.5914		10.2	10.0	2.1	20.0
1,1-Dichloropropene	Ave	0.5501	0.5799		10.5	10.0	5.4	20.0
Carbon tetrachloride	Ave	0.5863	0.5841		9.96	10.0	-0.4	20.0
Isobutyl alcohol	Ave	0.0033	0.0034		208	200	3.9	50.0
Benzene	Ave	1.044	1.092		10.5	10.0	4.5	20.0
1,2-Dichloroethane	Ave	0.2416	0.2504		10.4	10.0	3.7	20.0
Trichloroethene	Ave	0.4511	0.4496		9.97	10.0	-0.3	20.0
1,2-Dichloropropane	Ave	0.3916	0.4130		10.5	10.0	5.5	20.0
Dibromomethane	Ave	0.2271	0.2221		9.78	10.0	-2.2	20.0
1,4-Dioxane	Ave	0.0012	0.0011		477	500	-4.6	50.0
Dichlorobromomethane	Ave	0.5532	0.5467		9.88	10.0	-1.2	20.0
cis-1,3-Dichloropropene	Ave	0.4967	0.5074		10.2	10.0	2.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1501	0.1770		47.1	40.0	17.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Lab Sample ID: CCV 280-127122/2 Calibration Date: 07/10/2012 06:40

Instrument ID: MSV_H Calib Start Date: 07/02/2012 12:30

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 07/02/2012 14:44

Lab File ID: H4711.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.158	1.208		10.4	10.0	4.3	20.0
trans-1,3-Dichloropropene	Ave	0.3607	0.3729		10.3	10.0	3.4	20.0
1,1,2-Trichloroethane	Ave	0.2400	0.2377		9.90	10.0	-1.0	20.0
Tetrachloroethene	Ave	1.863	1.812		9.73	10.0	-2.7	20.0
1,3-Dichloropropane	Ave	1.630	1.658		10.2	10.0	1.7	20.0
2-Hexanone	Ave	0.4590	0.4853		42.3	40.0	5.7	20.0
Chlorodibromomethane	Ave	2.039	1.949		9.56	10.0	-4.4	20.0
Ethylene Dibromide	Ave	1.432	1.308		9.13	10.0	-8.7	20.0
1-Chlorohexane	Ave	2.522	2.600		10.6	10.2	3.1	35.0
Chlorobenzene	Ave	3.710	3.787	0.3000	10.2	10.0	2.1	20.0
1,1,1,2-Tetrachloroethane	Ave	1.847	1.862		10.1	10.0	0.8	20.0
Ethylbenzene	Ave	1.826	1.826		10.0	10.0	-0.0	20.0
m-Xylene & p-Xylene	Ave	2.453	2.491		20.3	20.0	1.6	20.0
o-Xylene	Ave	2.214	2.197		9.92	10.0	-0.8	20.0
Styrene	Ave	3.594	3.621		10.1	10.0	0.7	20.0
Bromoform	Ave	1.062	1.006	0.1000	9.47	10.0	-5.3	20.0
Isopropylbenzene	Ave	4.336	4.066		9.38	10.0	-6.2	20.0
Cyclohexanone	Ave	0.0199	0.0238		480	400	19.9	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8796	0.8122	0.3000	9.23	10.0	-7.7	20.0
Bromobenzene	Ave	1.145	1.056		9.22	10.0	-7.8	20.0
1,2,3-Trichloropropane	Ave	0.1996	0.1858		9.31	10.0	-6.9	20.0
N-Propylbenzene	Ave	1.194	1.079		9.04	10.0	-9.6	20.0
2-Chlorotoluene	Ave	1.021	0.9394		9.20	10.0	-8.0	20.0
1,3,5-Trimethylbenzene	Ave	3.203	3.011		9.40	10.0	-6.0	20.0
4-Chlorotoluene	Ave	1.129	1.045		9.26	10.0	-7.4	20.0
tert-Butylbenzene	Ave	3.819	3.523		9.22	10.0	-7.8	20.0
1,2,4-Trimethylbenzene	Ave	3.074	2.904		9.45	10.0	-5.5	20.0
sec-Butylbenzene	Ave	1.026	0.9830		9.58	10.0	-4.2	20.0
1,3-Dichlorobenzene	Ave	1.995	1.851		9.28	10.0	-7.2	20.0
4-Isopropyltoluene	Ave	4.209	3.954		9.39	10.0	-6.1	20.0
1,4-Dichlorobenzene	Ave	2.319	2.213		9.54	10.0	-4.6	20.0
n-Butylbenzene	Ave	3.613	3.530		9.77	10.0	-2.3	20.0
1,2-Dichlorobenzene	Ave	1.695	1.589		9.38	10.0	-6.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1691	0.1494		8.83	10.0	-11.7	20.0
1,2,4-Trichlorobenzene	Ave	1.263	1.115		8.83	10.0	-11.7	20.0
Hexachlorobutadiene	Ave	1.147	1.051		9.16	10.0	-8.4	20.0
Naphthalene	Ave	1.468	1.355		9.23	10.0	-7.7	20.0
1,2,3-Trichlorobenzene	Ave	1.004	0.8708		8.67	10.0	-13.3	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\071012.B\H4711.D
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 10-JUL-2012 06:40
Operator : MEIERG Inst ID: H.i
Smp Info : CCV,,M
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\071012.B\8260B-H2O.m
Meth Date : 10-Jul-2012 10:43 H.i Quant Type: ISTD
Cal Date : 09-JUL-2012 14:48 Cal File: H4682.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 61	Fluorobenzene	96	7.581	7.581	(1.000)	1127063	12.5000	
* 86	Chlorobenzene-d5	119	11.916	11.916	(1.000)	269459	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.719	14.719	(1.000)	442680	12.5000	
M 1	1,2-Dichloroethene (total)	96				692468	20.0000	20.6228
M 2	Xylene (total)	106				1547739	30.0000	30.2332
M 3	1,3-Dichloropropene (total)	75				793715	20.0000	20.5546
M 4	Trihalomethanes (total)	83				1715869	40.0000	39.1168
6	dichlorodifluoromethane	85	2.637	2.637	(0.348)	377002	10.0000	8.89091
8	Chloromethane	50	2.811	2.811	(0.371)	231321	10.0000	10.2062
9	Vinyl Chloride	62	2.950	2.950	(0.389)	307381	10.0000	11.4067
12	Bromomethane	94	3.281	3.281	(0.433)	275397	10.0000	10.1626
13	Chloroethane	64	3.351	3.351	(0.442)	216579	10.0000	11.4252
15	Trichlorofluoromethane	101	3.595	3.595	(0.474)	592147	10.0000	10.5457(Q)
16	Ethanol	45	3.838	3.838	(0.506)	34408	500.000	524.094
20	Acrolein	56	4.030	4.030	(0.532)	162367	100.000	114.449
22	Acetone	43	4.186	4.186	(0.552)	87465	40.0000	42.4746
21	1,1-Dichloroethene	96	4.152	4.152	(0.548)	298861	10.0000	10.3558
25	Iodomethane	142	4.343	4.343	(0.573)	770996	10.0000	10.4220
27	Acetonitrile	41	4.569	4.569	(0.603)	43621	100.000	112.969
31	tert-Butyl alcohol	59	4.796	4.796	(0.633)	202170	200.000	183.073(Q)
30	Methylene Chloride	84	4.674	4.674	(0.617)	270154	10.0000	8.05252
32	Acrylonitrile	53	4.952	4.952	(0.653)	262542	100.000	105.376

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
34 trans-1,2-Dichloroethene	96	4.970	4.970	(0.656)	352490	10.0000	10.4292
38 Isopropyl ether	87	5.492	5.492	(0.724)	1266488	50.0000	49.5816
36 1,1-Dichloroethane	63	5.457	5.457	(0.720)	626882	10.0000	10.8724
39 Chloroprene	53	5.562	5.562	(0.734)	408859	10.0000	10.9075
42 2-Butanone	43	6.154	6.154	(0.812)	190108	40.0000	45.2017
41 cis-1,2-Dichloroethene	96	6.154	6.154	(0.812)	339978	10.0000	10.1936
45 Propionitrile	54	6.258	6.258	(0.825)	99399	100.000	106.129
43 2,2-Dichloropropane	77	6.171	6.171	(0.814)	476745	10.0000	10.9708
47 Methacrylonitrile	41	6.415	6.415	(0.846)	608254	100.000	111.125
48 Bromochloromethane	128	6.467	6.467	(0.853)	181486	10.0000	9.95453
50 Chloroform	83	6.519	6.519	(0.860)	586028	10.0000	10.2012
52 1,1,1-Trichloroethane	97	6.780	6.780	(0.894)	533262	10.0000	10.2086
56 Isobutanol	41	7.076	7.076	(0.933)	61379	200.000	207.826(Q)
54 1,1-Dichloropropene	75	6.955	6.955	(0.917)	522820	10.0000	10.5417
55 Carbon Tetrachloride	117	6.989	6.989	(0.922)	526627	10.0000	9.96162
59 1,2-Dichloroethane	62	7.268	7.268	(0.959)	225809	10.0000	10.3674
58 Benzene	78	7.233	7.233	(0.954)	984370	10.0000	10.4530
62 n-Butanol	56	7.947	7.947	(1.048)	94697	300.000	281.057
63 Trichloroethene	95	8.069	8.069	(1.064)	405416	10.0000	9.96819
66 1,2-Dichloropropane	63	8.365	8.365	(1.103)	372359	10.0000	10.5454
69 1,4-Dioxane	88	8.556	8.556	(1.129)	51088	500.000	477.152
68 Dibromomethane	93	8.539	8.539	(1.126)	200210	10.0000	9.77776
70 Bromodichloromethane	83	8.730	8.730	(1.152)	492896	10.0000	9.88224
73 cis-1,3-Dichloropropene	75	9.340	9.340	(1.232)	457529	10.0000	10.2167
74 4-Methyl-2-pentanone	43	9.549	9.549	(1.259)	638178	40.0000	47.1462
76 Toluene	91	9.810	9.810	(1.294)	1089212	10.0000	10.4280
77 trans-1,3-Dichloropropene	75	10.141	10.141	(1.338)	336186	10.0000	10.3378
79 1,1,2-Trichloroethane	97	10.436	10.436	(1.377)	214340	10.0000	9.90410
82 2-Hexanone	43	10.837	10.837	(0.909)	418442	40.0000	42.2890
81 1,3-Dichloropropane	76	10.715	10.715	(0.899)	357308	10.0000	10.1686
80 Tetrachloroethene	164	10.663	10.663	(0.895)	390527	10.0000	9.72662
83 Dibromochloromethane	129	11.081	11.081	(0.930)	420120	10.0000	9.55857
85 1,2-Dibromoethane	107	11.272	11.272	(0.946)	281886	10.0000	9.12914
87 1-Chlorohexane	91	11.916	11.916	(1.000)	574501	10.0000	10.5664
88 Chlorobenzene	112	11.969	11.969	(1.004)	816432	10.0000	10.2081
89 1,1,1,2-Tetrachloroethane	131	12.073	12.073	(1.013)	401384	10.0000	10.0819
90 Ethylbenzene	106	12.108	12.108	(1.016)	393624	10.0000	9.99784
91 m and p-Xylene	106	12.264	12.264	(1.029)	1074045	20.0000	20.3102
92 o-Xylene	106	12.769	12.769	(1.072)	473694	10.0000	9.92300
93 Styrene	104	12.787	12.787	(1.073)	780544	10.0000	10.0736
94 Bromoform	173	13.048	13.048	(1.095)	216825	10.0000	9.47479
95 isopropyl benzene	105	13.222	13.222	(0.898)	1440084	10.0000	9.37772
97 Cyclohexanone	55	13.379	13.379	(1.123)	205370	400.000	479.732
99 1,1,2,2-Tetrachloroethane	83	13.605	13.605	(0.924)	287620	10.0000	9.23360
101 1,2,3-Trichloropropane	110	13.657	13.657	(0.928)	65792	10.0000	9.30807
100 Bromobenzene	156	13.605	13.605	(0.924)	373933	10.0000	9.22479
103 n-Propylbenzene	120	13.727	13.727	(0.933)	382200	10.0000	9.03605
104 2-Chlorotoluene	126	13.831	13.831	(0.940)	332676	10.0000	9.19970
105 1,3,5-Trimethylbenzene	105	13.918	13.918	(0.946)	1066326	10.0000	9.39911
106 4-Chlorotoluene	126	13.953	13.953	(0.948)	370167	10.0000	9.25985
107 tert-Butylbenzene	119	14.284	14.284	(0.970)	1247485	10.0000	9.22454
108 1,2,4-Trimethylbenzene	105	14.336	14.336	(0.974)	1028355	10.0000	9.44533
109 sec-Butylbenzene	134	14.528	14.528	(0.987)	348135	10.0000	9.58174
111 4-Isopropyltoluene	119	14.667	14.667	(0.996)	1400153	10.0000	9.39396

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
110 1,3-Dichlorobenzene	146	14.650	14.650	(0.995)	655394	10.0000	9.27548
113 1,4-dichlorobenzene	146	14.737	14.737	(1.001)	783787	10.0000	9.54461
115 n-Butylbenzene	91	15.085	15.085	(1.025)	1250113	10.0000	9.77075
116 1,2-Dichlorobenzene	146	15.137	15.137	(1.028)	562719	10.0000	9.37690
117 1,2-Dibromo-3-chloropropane	157	15.903	15.903	(1.080)	52909	10.0000	8.83433
118 1,2,4-Trichlorobenzene	180	16.669	16.669	(1.132)	394945	10.0000	8.83208
119 Hexachlorobutadiene	225	16.808	16.808	(1.142)	372228	10.0000	9.16188
120 Naphthalene	128	16.913	16.913	(1.149)	479920	10.0000	9.22980
121 1,2,3-Trichlorobenzene	180	17.157	17.157	(1.166)	308370	10.0000	8.66931

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: H4711.D

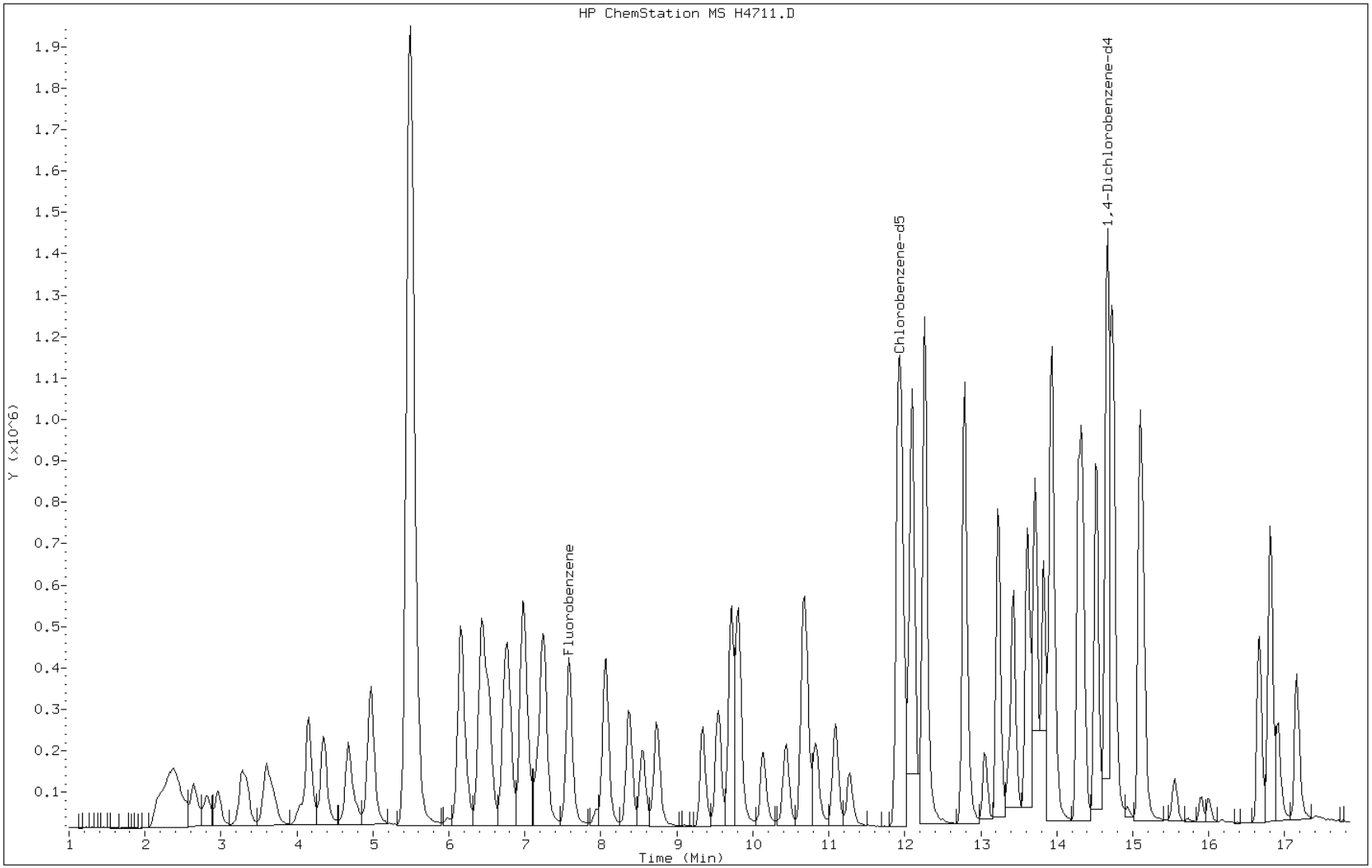
Date: 10-JUL-2012 06:40

Client ID: CCV

Instrument: H.i

Sample Info: CCV,,M

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Lab Sample ID: CCV 280-127122/3 Calibration Date: 07/10/2012 07:02

Instrument ID: MSV_H Calib Start Date: 07/09/2012 12:58

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 07/09/2012 14:48

Lab File ID: H4712.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.8461	0.8106		9.58	10.0	-4.2	50.0
Ethyl ether	Ave	0.2509	0.1959		7.81	10.0	-21.9	35.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.9270	0.9341		10.1	10.0	0.8	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Lin1	0.5126	0.5330		11.2	10.0	11.8	50.0
Isopropyl alcohol	Lin2	0.0070	0.0064		197	200	-1.7	50.0
Carbon disulfide	Ave	1.318	1.313		9.96	10.0	-0.4	20.0
Allyl chloride	Ave	0.5080	0.4839		9.52	10.0	-4.8	35.0
Methyl acetate	Ave	0.0915	0.0892		48.8	50.0	-2.4	50.0
Methyl tert-butyl ether	Ave	0.6474	0.5933		9.16	10.0	-8.4	20.0
Hexane	Ave	2.411	2.423		10.0	10.0	0.5	20.0
Vinyl acetate	Ave	0.2549	0.2666		20.9	20.0	4.6	50.0
Tert-butyl ethyl ether	Ave	1.133	1.037		45.8	50.0	-8.4	35.0
Ethyl acetate	Ave	0.1275	0.1153		18.1	20.0	-9.5	50.0
2-Butanol	Ave	0.0107	0.0106		298	300	-0.7	50.0
Tetrahydrofuran	Ave	0.0315	0.0297		18.8	20.0	-5.9	50.0
Cyclohexane	Lin1	0.6666	0.6892		11.2	10.0	12.0	35.0
Tert-amyl methyl ether	Ave	0.8487	0.7891		46.5	50.0	-7.0	35.0
2-Pentanone	Ave	0.1262	0.1328		42.1	40.0	5.2	50.0
Methylcyclohexane	Lin1	0.5909	0.5997		10.8	10.0	8.3	35.0
Methyl methacrylate	Ave	0.0596	0.0547		18.3	20.0	-8.3	35.0
2-Nitropropane	Ave	0.0323	0.0245		7.59	10.0	-24.1	50.0
2-Chloroethyl vinyl ether	Ave	0.1061	0.0761		7.17	10.0	-28.3	50.0
Ethyl methacrylate	Ave	1.388	1.251		18.0	20.0	-9.9	35.0
cis-1,4-Dichloro-2-butene	Ave	0.0993	0.1003		10.1	10.0	1.1	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1222	0.1274		10.4	10.0	4.2	50.0
Dibromofluoromethane (Surr)	Ave	0.6567	0.6963		9.54	9.00	6.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2592	0.2722		9.45	9.00	5.0	20.0
Toluene-d8 (Surr)	Ave	5.009	5.267		9.46	9.00	5.2	20.0
4-Bromofluorobenzene (Surr)	Ave	1.618	1.723		9.59	9.00	6.5	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\071012.B\H4712.D
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 10-JUL-2012 07:02
Operator : MEIERG Inst ID: H.i
Smp Info : CCV,,S
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\071012.B\8260B-H2O.m
Meth Date : 10-Jul-2012 10:43 H.i Quant Type: ISTD
Cal Date : 09-JUL-2012 14:48 Cal File: H4682.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
* 61 Fluorobenzene	96	7.576	7.576	(1.000)	1172250	12.5000	
* 86 Chlorobenzene-d5	119	11.928	11.928	(1.000)	305909	12.5000	
* 112 1,4-Dichlorobenzene-d4	152	14.731	14.731	(1.000)	443073	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	6.740	6.740	(0.890)	587704	10.0000	9.54314
$ 57 1,2-Dichloroethane-d4	65	7.158	7.158	(0.945)	229767	10.0000	9.45281
$ 75 Toluene-d8	98	9.717	9.717	(0.815)	1160176	10.0000	9.46392
$ 98 4-Bromofluorobenzene (Surr)	95	13.425	13.425	(0.911)	549705	10.0000	9.58568
7 1,2-Dichlorotetrafluoroethane	85	2.771	2.771	(0.366)	705201	10.0000	11.5625
11 Ethylene Oxide	43	3.206	3.206	(0.423)	638137	1250.00	1244.65
14 Dichlorofluoromethane	67	3.537	3.537	(0.467)	760201	10.0000	9.58040
18 1,2-dichloro-1,1,2-trifluoro	117	3.885	3.885	(0.513)	539321	10.0000	10.1856
17 Ethyl Ether	59	3.850	3.850	(0.508)	183724	10.0000	7.80700
19 2,2-dichloro-1,1,1-trifluoro	83	3.937	3.937	(0.520)	876036	10.0000	10.0774
23 Trichlorotrifluoroethane	151	4.164	4.164	(0.550)	499836	10.0000	11.1792
24 2-propanol	45	4.303	4.303	(0.568)	119156	200.000	196.577
28 Methyl Acetate	43	4.529	4.529	(0.598)	418469	50.0000	48.7862
29 Allyl Chloride	41	4.529	4.529	(0.598)	453807	10.0000	9.52479
26 Carbon Disulfide	76	4.425	4.425	(0.584)	1230912	10.0000	9.95828(Q)
33 Methyl t-butyl ether	73	4.964	4.964	(0.655)	556360	10.0000	9.16425
35 Hexane	57	5.243	5.243	(0.440)	592969	10.0000	10.0490
37 Vinyl acetate	43	5.469	5.469	(0.722)	500021	20.0000	20.9207
40 ETBE	59	5.922	5.922	(0.782)	4862628	50.0000	45.7846

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
44 Ethyl Acetate	43	6.183	6.183	(0.816)	216341	20.0000	18.0931
46 2-Butanol	45	6.340	6.340	(0.837)	297746	300.000	297.848
49 Tetrahydrofuran	42	6.496	6.496	(0.858)	55666	20.0000	18.8212
53 Cyclohexane	56	6.845	6.845	(0.903)	646358	10.0000	11.2020
60 TAME	73	7.350	7.350	(0.970)	3700181	50.0000	46.4876
64 2-Pentanone	43	8.290	8.290	(1.094)	498046	40.0000	42.0681
65 Methyl Cyclohexane	55	8.324	8.324	(1.099)	562368	10.0000	10.8281
67 Methyl Methacrylate	100	8.481	8.481	(1.119)	102578	20.0000	18.3484
71 2-nitropropane	41	9.038	9.038	(1.193)	22989	10.0000	7.59458
72 2-Chloroethyl vinyl ether	63	9.125	9.125	(1.205)	71391	10.0000	7.17408
78 Ethyl methacrylate	69	10.240	10.240	(0.858)	612331	20.0000	18.0222
84 Tetrahydrothiophene	60	11.075	11.075	(0.928)	94164	10.0000	9.23653
96 cis-1,4-dichloro-2-butene	53	13.321	13.321	(0.904)	35561	10.0000	10.1074
102 t-1,4-Dichloro-2-butene	53	13.669	13.669	(0.928)	45140	10.0000	10.4195
114 1,2,3-Trimethylbenzene	105	14.783	14.783	(1.004)	994147	10.0000	9.52777

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: H4712.D

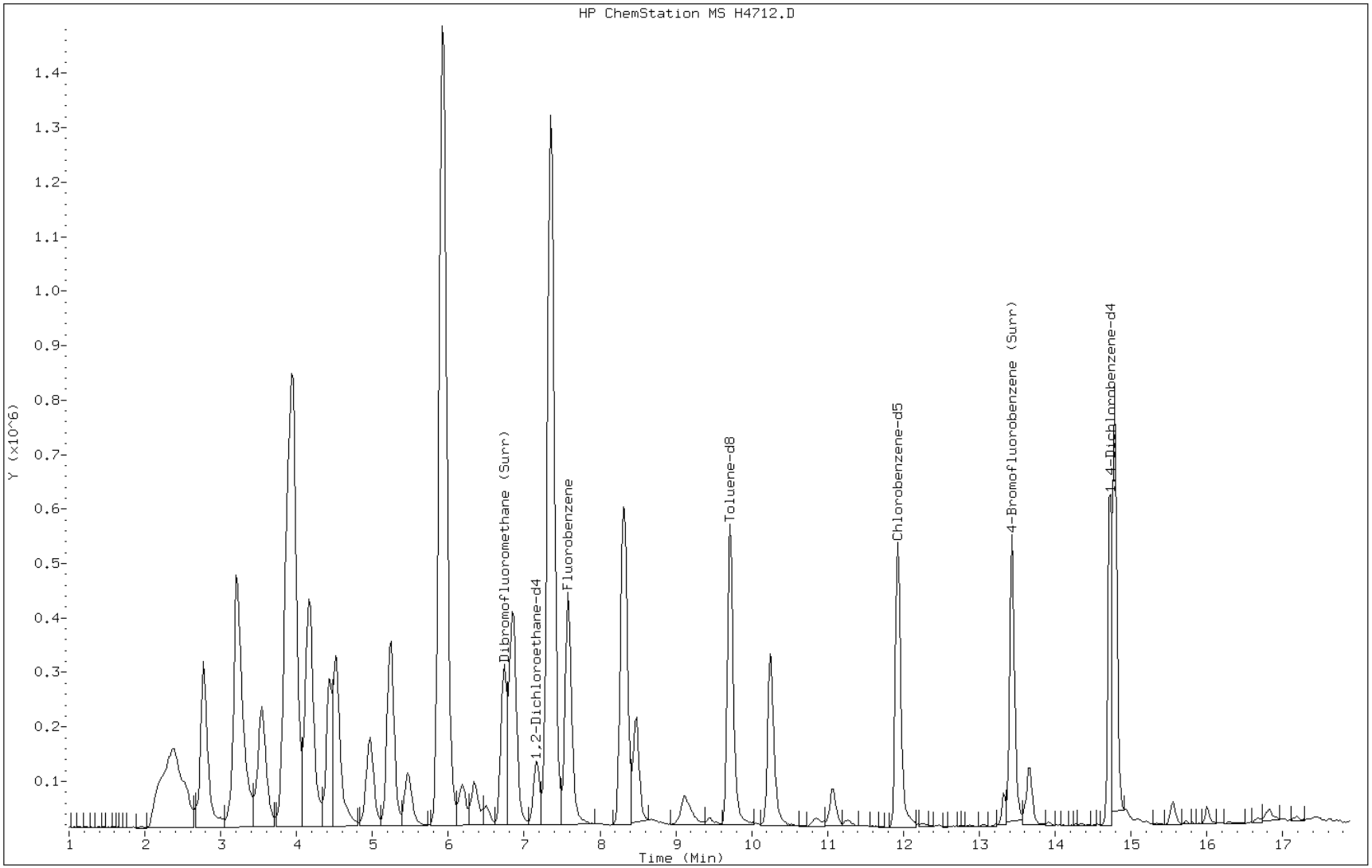
Date: 10-JUL-2012 07:02

Client ID: CCV

Instrument: H.i

Sample Info: CCV,,S

Operator: MEIERG



TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\H.i\070212I\H4454.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 02-JUL-2012 12:21
Operator : MEIERG Inst ID: H.i
Smp Info : BFB,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070212I\bfb390.m
Meth Date : 11-Apr-2011 10:27 meierg Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC232

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
2.880	2.500	(0.000)	95	29120			0.00- 100.00	100.00
2.880	2.500	(0.000)	50	5564			15.00- 40.00	19.11
2.880	2.500	(0.000)	75	12969			30.00- 60.00	44.54
2.880	2.500	(0.000)	96	1925			5.00- 9.00	6.61
2.880	2.500	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
2.880	2.500	(0.000)	174	20792			50.00- 0.00	71.40
2.880	2.500	(0.000)	175	1659			5.00- 9.00	7.98
2.880	2.500	(0.000)	176	20960			95.00- 101.00	100.81
2.880	2.500	(0.000)	177	1479			5.00- 9.00	7.06

Data File: H4454.D

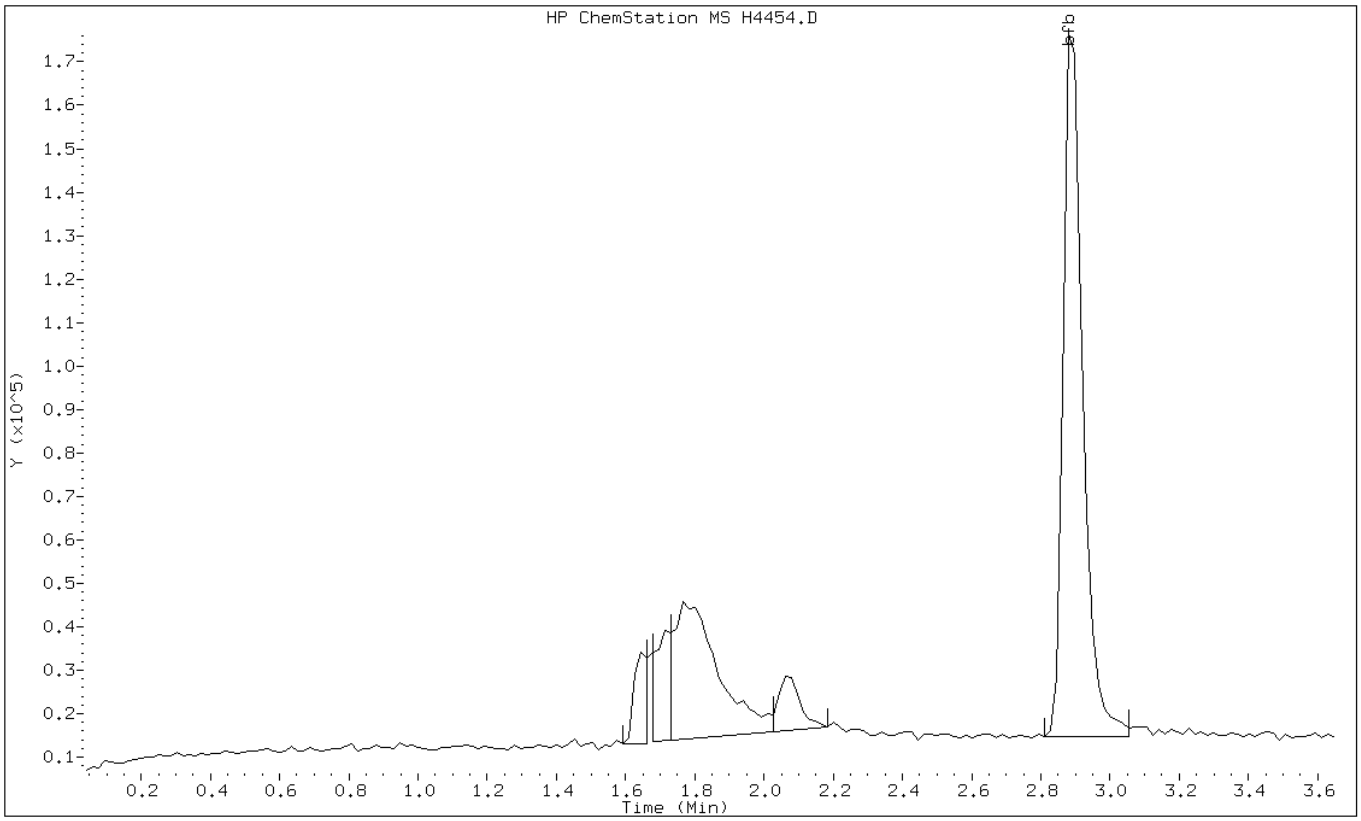
Date: 02-JUL-2012 12:21

Client ID: BFB

Instrument: H.i

Sample Info: BFB,,

Operator: MEIERG



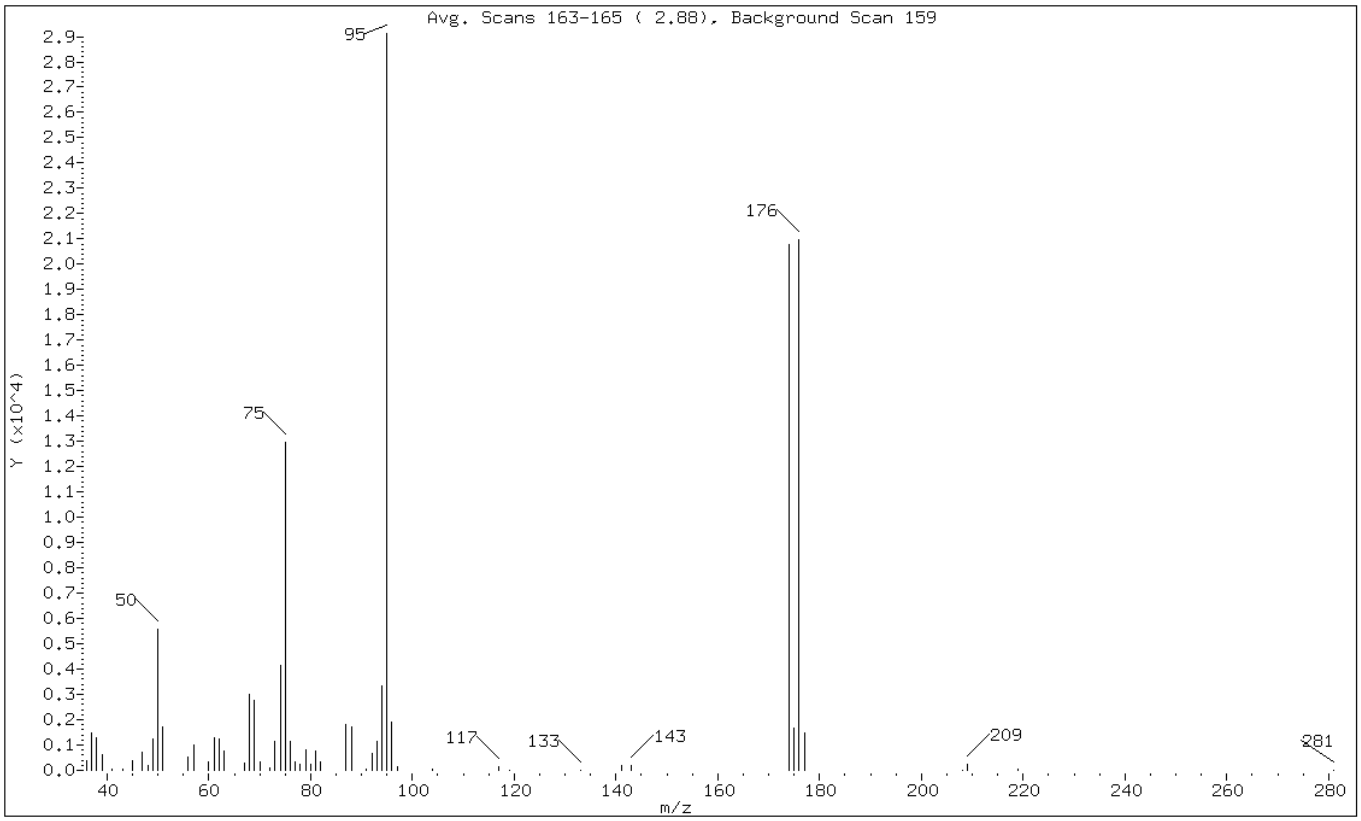
Data File: H4454.D

Date: 02-JUL-2012 12:21

Client ID: BFB Instrument: H.i

Sample Info: BFB,, Operator: MEIERG

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.11
75	30.00 - 60.00% of mass 95	44.54
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	71.40
175	5.00 - 9.00% of mass 174	5.70 (7.98)
176	95.00 - 101.00% of mass 174	71.98 (100.81)
177	5.00 - 9.00% of mass 176	5.08 (7.06)

Data File: H4454.D

Date: 02-JUL-2012 12:21

Client ID: BFB Instrument: H.i

Sample Info: BFB,, Operator: MEIERG

Data File: \\DenSvr03\Public\chem\MSV\H.i\070212I\H4454.D
Spectrum: Avg. Scans 163-165 (2.88), Background Scan 159
Location of Maximum: 95.00
Number of points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	367	61.00	1271	80.00	230	133.00	16
37.00	1455	62.00	1223	81.00	751	141.00	175
38.00	1298	63.00	768	82.00	342	143.00	188
39.00	607	67.00	268	87.00	1795	174.00	20792
41.00	69	68.00	2985	88.00	1701	175.00	1659
43.00	52	69.00	2761	91.00	62	176.00	20960
45.00	390	70.00	354	92.00	670	177.00	1479
47.00	711	72.00	74	93.00	1132	208.00	14
48.00	195	73.00	1131	94.00	3348	209.00	228
49.00	1240	74.00	4168	95.00	29120	219.00	60
50.00	5564	75.00	12969	96.00	1925	281.00	14
51.00	1706	76.00	1149	97.00	145		
56.00	502	77.00	311	104.00	67		
57.00	983	78.00	258	117.00	155		
60.00	339	79.00	824	119.00	2		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\H.i\070912AI\H4675.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 09-JUL-2012 12:26
Operator : MEIERG Inst ID: H.i
Smp Info : BFB,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\070912AI\bfb390.m
Meth Date : 11-Apr-2011 10:27 meierg Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC186

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
2.881	2.500	(0.000)	95	39000			0.00- 100.00	100.00
2.881	2.500	(0.000)	50	6972			15.00- 40.00	17.88
2.881	2.500	(0.000)	75	17232			30.00- 60.00	44.18
2.881	2.500	(0.000)	96	2554			5.00- 9.00	6.55
2.881	2.500	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
2.881	2.500	(0.000)	174	29896			50.00- 0.00	76.66
2.881	2.500	(0.000)	175	2511			5.00- 9.00	8.40
2.881	2.500	(0.000)	176	28928			95.00- 101.00	96.76
2.881	2.500	(0.000)	177	2186			5.00- 9.00	7.56

Data File: H4675.D

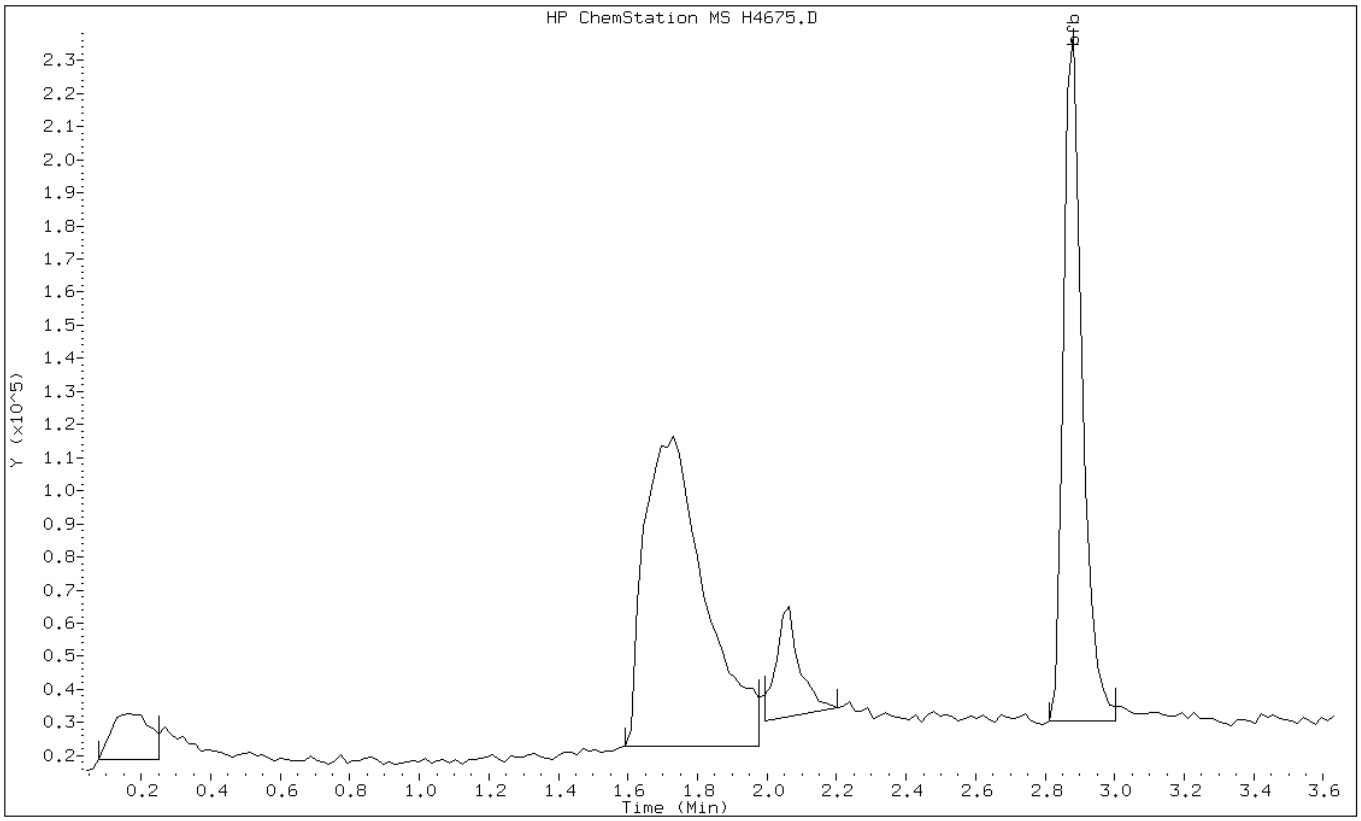
Date: 09-JUL-2012 12:26

Client ID: BFB

Instrument: H.i

Sample Info: BFB,,

Operator: MEIERG



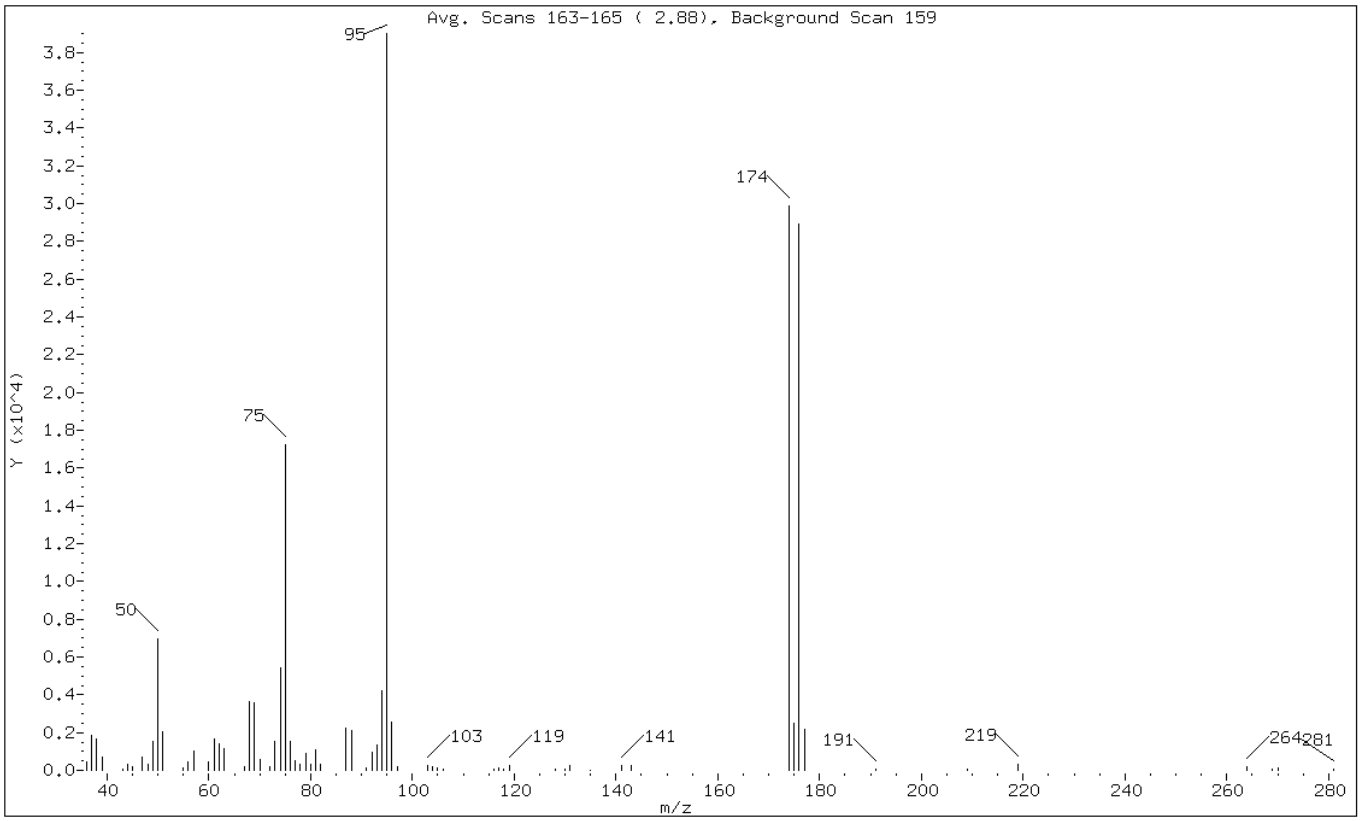
Data File: H4675.D

Date: 09-JUL-2012 12:26

Client ID: BFB Instrument: H.i

Sample Info: BFB,, Operator: MEIERG

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.88
75	30.00 - 60.00% of mass 95	44.18
96	5.00 - 9.00% of mass 95	6.55
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	76.66
175	5.00 - 9.00% of mass 174	6.44 (8.40)
176	95.00 - 101.00% of mass 174	74.17 (96.76)
177	5.00 - 9.00% of mass 176	5.61 (7.56)

Data File: H4675.D

Date: 09-JUL-2012 12:26

Client ID: BFB Instrument: H.i

Sample Info: BFB,, Operator: MEIERG

Data File: \\DenSvr03\Public\chem\MSV\H.i\070912AI\H4675.D
Spectrum: Avg. Scans 163-165 (2.88), Background Scan 159
Location of Maximum: 95.00
Number of points: 68

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	468	63.00	1171	91.00	157	135.00	18
37.00	1847	67.00	221	92.00	945	141.00	284
38.00	1637	68.00	3663	93.00	1366	143.00	280
39.00	699	69.00	3590	94.00	4210	174.00	29896
43.00	74	70.00	553	95.00	39000	175.00	2511
44.00	325	72.00	186	96.00	2554	176.00	28928
45.00	219	73.00	1510	97.00	192	177.00	2186
47.00	672	74.00	5431	103.00	245	191.00	78
48.00	308	75.00	17232	104.00	165	209.00	70
49.00	1518	76.00	1534	105.00	156	219.00	301
50.00	6972	77.00	525	106.00	75	264.00	208
51.00	2015	78.00	330	116.00	68	269.00	64
55.00	149	79.00	896	117.00	151	270.00	144
56.00	476	80.00	299	118.00	66	281.00	76
57.00	1041	81.00	1061	119.00	266		
60.00	443	82.00	304	128.00	79		
61.00	1686	87.00	2212	130.00	67		
62.00	1383	88.00	2114	131.00	231		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\H.i\071012.B\H4710.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 10-JUL-2012 06:32
Operator : MEIERG Inst ID: H.i
Smp Info : BFB,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\071012.B\bfb390.m
Meth Date : 11-Apr-2011 10:27 meierg Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC186

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
2.876	2.500	(0.000)	95	39152			0.00- 100.00	100.00
2.876	2.500	(0.000)	50	6732			15.00- 40.00	17.19
2.876	2.500	(0.000)	75	17024			30.00- 60.00	43.48
2.876	2.500	(0.000)	96	2572			5.00- 9.00	6.57
2.876	2.500	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
2.876	2.500	(0.000)	174	29176			50.00- 0.00	74.52
2.876	2.500	(0.000)	175	2391			5.00- 9.00	8.20
2.876	2.500	(0.000)	176	28128			95.00- 101.00	96.41
2.876	2.500	(0.000)	177	1938			5.00- 9.00	6.89

Data File: H4710.D

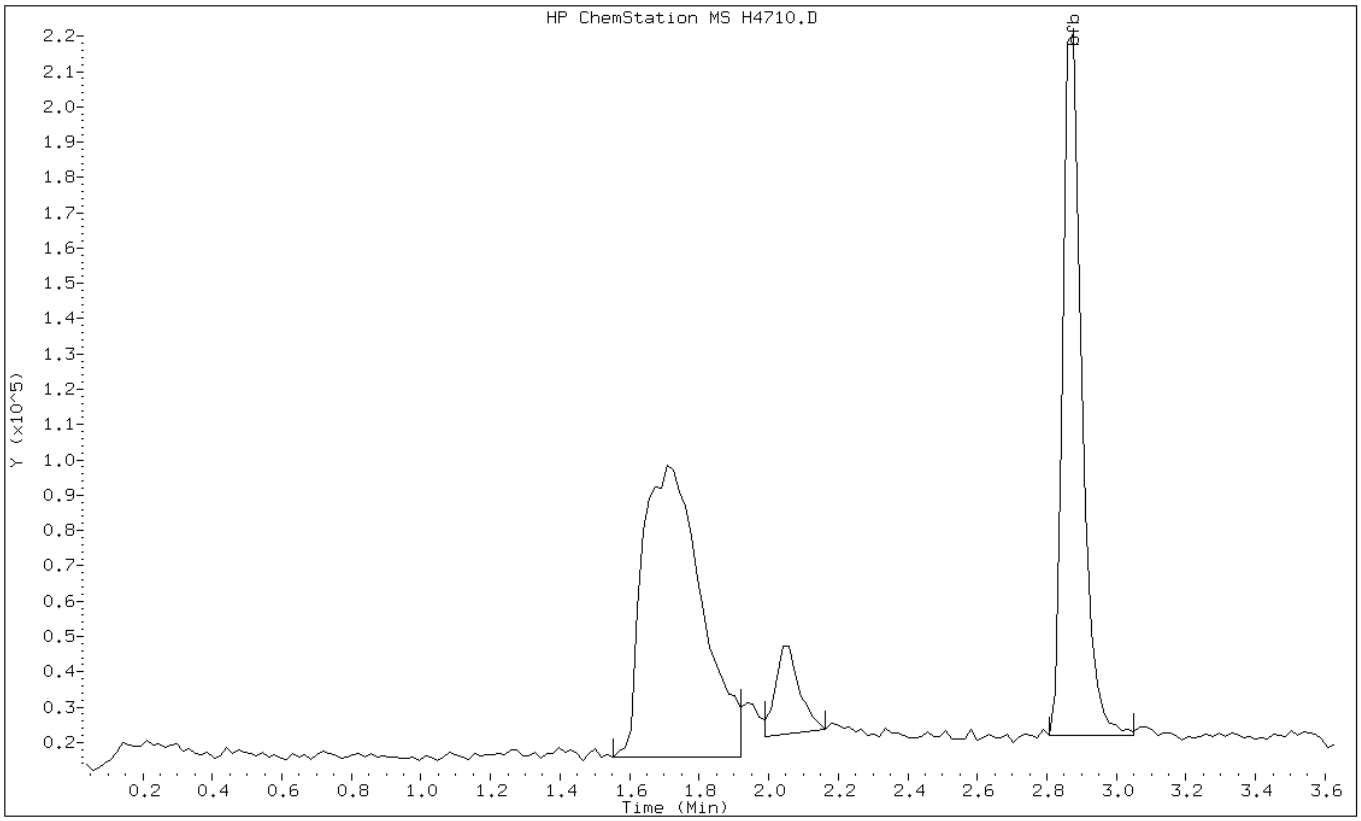
Date: 10-JUL-2012 06:32

Client ID: BFB

Instrument: H.i

Sample Info: BFB,,

Operator: MEIERG



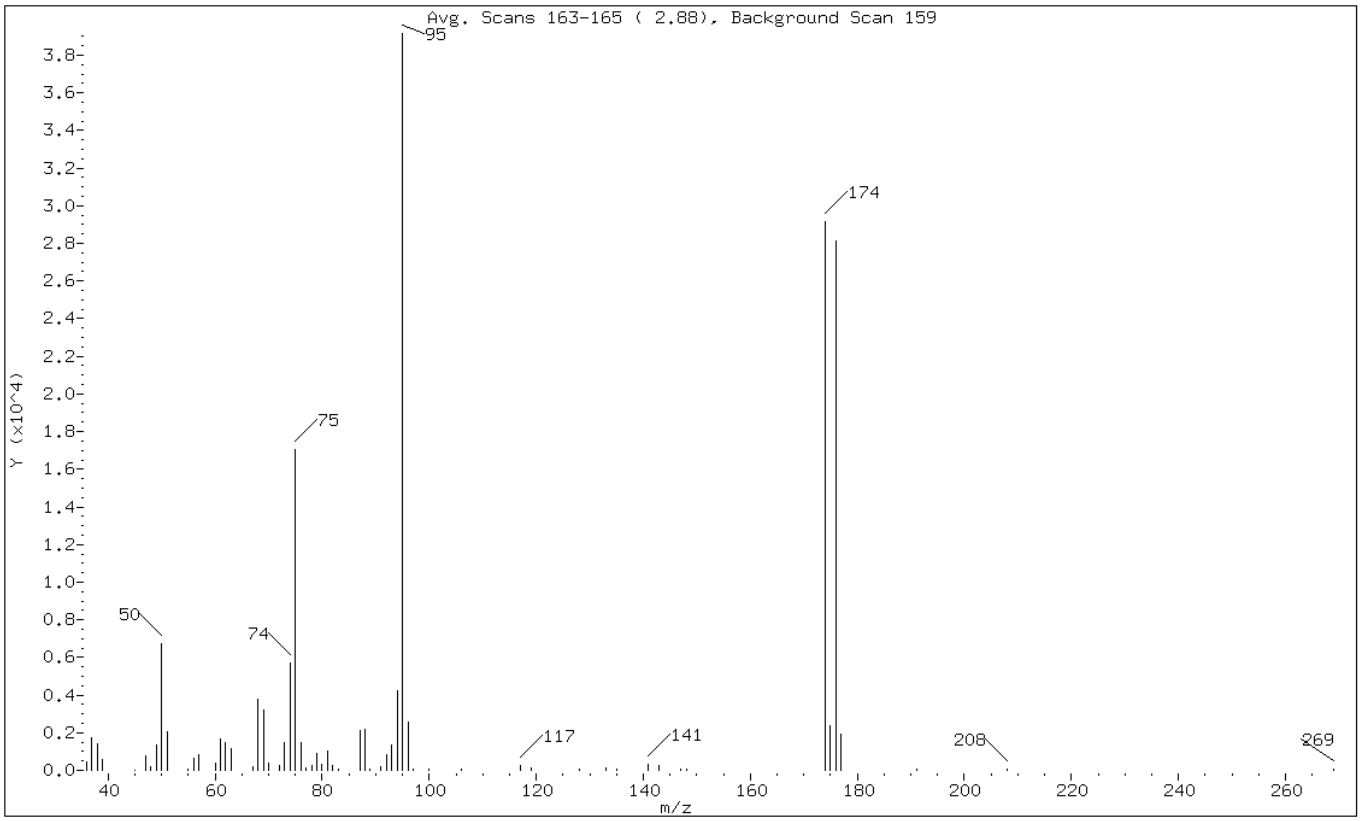
Data File: H4710.D

Date: 10-JUL-2012 06:32

Client ID: BFB Instrument: H.i

Sample Info: BFB,, Operator: MEIERG

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.19
75	30.00 - 60.00% of mass 95	43.48
96	5.00 - 9.00% of mass 95	6.57
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	74.52
175	5.00 - 9.00% of mass 174	6.11 (8.20)
176	95.00 - 101.00% of mass 174	71.84 (96.41)
177	5.00 - 9.00% of mass 176	4.95 (6.89)

Data File: H4710.D

Date: 10-JUL-2012 06:32

Client ID: BFB Instrument: H.i

Sample Info: BFB,, Operator: MEIERG

Data File: \\DenSvr03\Public\chem\MSV\H.i\071012.B\H4710.D
Spectrum: Avg. Scans 163-165 (2.88), Background Scan 159
Location of Maximum: 95.00
Number of points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	454	63.00	1147	83.00	84	133.00	97
37.00	1721	67.00	166	87.00	2093	135.00	69
38.00	1420	68.00	3779	88.00	2208	141.00	292
39.00	598	69.00	3216	89.00	72	143.00	262
45.00	16	70.00	372	91.00	206	147.00	75
47.00	752	72.00	288	92.00	825	148.00	76
48.00	191	73.00	1459	93.00	1343	174.00	29176
49.00	1354	74.00	5714	94.00	4260	175.00	2391
50.00	6732	75.00	17024	95.00	39152	176.00	28128
51.00	2035	76.00	1453	96.00	2572	177.00	1938
55.00	45	77.00	139	97.00	75	191.00	72
56.00	667	78.00	228	100.00	36	208.00	56
57.00	819	79.00	907	106.00	73	269.00	52
60.00	401	80.00	333	117.00	276		
61.00	1691	81.00	1033	119.00	102		
62.00	1484	82.00	258	128.00	80		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-127122/5

Matrix: Water | Lab File ID: H4714.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 07:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-127122/5

Matrix: Water | Lab File ID: H4714.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 07:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-127122/5

Matrix: Water Lab File ID: H4714.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/10/2012 07:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 127122 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		70-120
460-00-4	4-Bromofluorobenzene (Surr)	102		75-120
1868-53-7	Dibromofluoromethane (Surr)	100		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\071012.B\H4714.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 10-JUL-2012 07:46
Operator : MEIERG Inst ID: H.i
Smp Info : MB,,AF
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\071012.B\8260B-H2O.m
Meth Date : 10-Jul-2012 06:51 meierg Quant Type: ISTD
Cal Date : 09-JUL-2012 14:48 Cal File: H4682.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TALS.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.582	7.593	(1.000)	1183895	12.5000	
* 86	Chlorobenzene-d5	119	11.935	11.946	(1.000)	297219	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.720	14.731	(1.000)	443282	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.747	6.758	(0.890)	558410	8.97827	8.97827
$ 57	1,2-Dichloroethane-d4	65	7.165	7.176	(0.945)	211353	8.60971	8.60971
$ 75	Toluene-d8	98	9.724	9.735	(0.815)	1096851	9.20896	9.20896
$ 98	4-Bromofluorobenzene (Surr)	95	13.432	13.443	(0.912)	525744	9.16353	9.16353
M 1	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 2	Xylene (total)	106	Compound Not Detected.					
6	dichlorodifluoromethane	85	Compound Not Detected.					
7	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
8	Chloromethane	50	Compound Not Detected.					
9	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
17	Ethyl Ether	59	Compound Not Detected.					
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
20 Acrolein	56	Compound Not Detected.					
21 1,1-Dichloroethene	96	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
28 Methyl Acetate	43	Compound Not Detected.					
27 Acetonitrile	41	Compound Not Detected.					
30 Methylene Chloride	84	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
34 trans-1,2-Dichloroethene	96	Compound Not Detected.					
35 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
37 Vinyl Acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
42 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
45 Propionitrile	54	Compound Not Detected.					
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	Compound Not Detected.					
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
58 Benzene	78	Compound Not Detected.					
59 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
56 Isobutanol	41	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
68 Dibromomethane	93	Compound Not Detected.					
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
71 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
80	Tetrachloroethene	164	Compound Not Detected.					
81	1,3-Dichloropropane	76	Compound Not Detected.					
82	2-Hexanone	43	Compound Not Detected.					
84	Tetrahydrothiophene	60	Compound Not Detected.					
83	Dibromochloromethane	129	Compound Not Detected.					
85	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
88	Chlorobenzene	112	Compound Not Detected.					
89	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90	Ethylbenzene	106	Compound Not Detected.					
91	m and p-Xylene	106	Compound Not Detected.					
92	o-Xylene	106	Compound Not Detected.					
93	Styrene	104	Compound Not Detected.					
94	Bromoform	173	Compound Not Detected.					
95	isopropyl benzene	105	Compound Not Detected.					
96	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97	Cyclohexanone	55	Compound Not Detected.					
100	Bromobenzene	156	Compound Not Detected.					
99	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	1,2,3-Trichloropropane	110	Compound Not Detected.					
102	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103	n-Propylbenzene	120	Compound Not Detected.					
104	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
106	4-Chlorotoluene	126	Compound Not Detected.					
107	tert-Butylbenzene	119	Compound Not Detected.					
108	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109	sec-Butylbenzene	134	Compound Not Detected.					
110	1,3-Dichlorobenzene	146	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
113	1,4-dichlorobenzene	146	Compound Not Detected.					
115	n-Butylbenzene	91	Compound Not Detected.					
116	1,2-Dichlorobenzene	146	Compound Not Detected.					
117	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119	Hexachlorobutadiene	225	Compound Not Detected.					
120	Naphthalene	128	Compound Not Detected.					
121	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: H4714.D

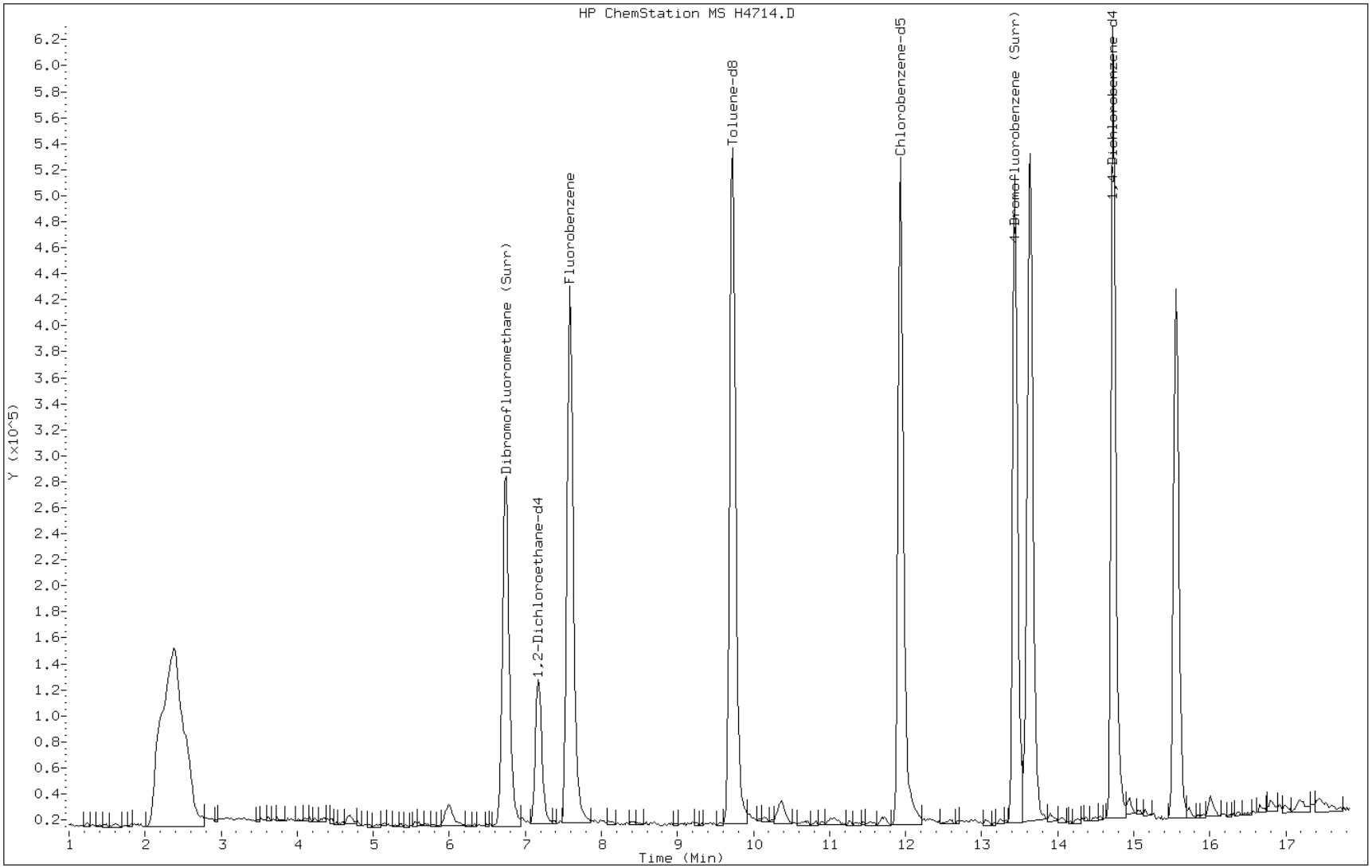
Date: 10-JUL-2012 07:46

Client ID: MB

Instrument: H.i

Sample Info: MB,,AF

Operator: MEIERG



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-127122/4

Matrix: Water | Lab File ID: H4713.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 07:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	4.93		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	5.18		1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	4.80		3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	4.50		1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	5.47		1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	4.62		1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	4.43	J	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	5.26		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	5.85		1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	4.92		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	4.74		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	4.76		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	4.86		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	5.45		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.49		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	5.00		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	4.86		1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	19.8		6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	5.23		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	5.29		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	5.66		1.0	0.40	0.20
591-78-6	2-Hexanone	19.0		5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	21.4		5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	4.75		1.0	0.40	0.17
71-43-2	Benzene	5.45		1.0	0.20	0.16
67-64-1	Acetone	27.8		10	6.4	1.9
108-86-1	Bromobenzene	4.65		1.0	0.20	0.17
75-25-2	Bromoform	4.90		1.0	0.40	0.19
74-83-9	Bromomethane	4.83		2.0	0.40	0.21
56-23-5	Carbon tetrachloride	5.08		2.0	0.40	0.19
75-15-0	Carbon disulfide	4.42		2.0	0.80	0.45
95-49-8	2-Chlorotoluene	4.60		1.0	0.40	0.17
106-43-4	4-Chlorotoluene	4.83		1.0	0.40	0.17
108-90-7	Chlorobenzene	5.09		1.0	0.20	0.17
74-97-5	Chlorobromomethane	5.05		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.80		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30455-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-127122/4

Matrix: Water | Lab File ID: H4713.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/10/2012 07:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 127122 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	5.16		1.0	0.20	0.16
75-00-3	Chloroethane	5.23		2.0	1.6	0.41
74-87-3	Chloromethane	5.40		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	5.17		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	5.28		1.0	0.20	0.16
74-95-3	Dibromomethane	5.09		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	5.14		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	3.71		2.0	0.80	0.31
100-41-4	Ethylbenzene	5.20		1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	5.00		1.0	0.40	0.36
98-82-8	Isopropylbenzene	4.79		1.0	0.40	0.19
106-93-4	Ethylene Dibromide	4.69		1.0	0.20	0.18
75-09-2	Methylene Chloride	3.74	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	4.51	J	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	10.3		2.0	0.80	0.34
91-20-3	Naphthalene	4.75		1.0	0.80	0.22
104-51-8	n-Butylbenzene	5.05		1.0	0.40	0.32
103-65-1	N-Propylbenzene	4.62		1.0	0.20	0.16
95-47-6	o-Xylene	5.04		1.0	0.40	0.19
100-42-5	Styrene	5.10		1.0	0.40	0.17
135-98-8	sec-Butylbenzene	4.94		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.75		1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	5.46		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	5.25		1.0	0.40	0.19
127-18-4	Tetrachloroethene	5.11		1.0	0.40	0.20
108-88-3	Toluene	5.39		1.0	0.40	0.17
79-01-6	Trichloroethene	5.15		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	4.72		2.0	0.80	0.29
75-01-4	Vinyl chloride	5.07		1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.93		3.0	3.0	0.79
544-10-5	1-Chlorohexane	5.09		1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-127122/4

Matrix: Water Lab File ID: H4713.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/10/2012 07:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 127122 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	111		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		70-120
460-00-4	4-Bromofluorobenzene (Surr)	99		75-120
1868-53-7	Dibromofluoromethane (Surr)	100		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\H.i\071012.B\H4713.D
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 10-JUL-2012 07:24
Operator : MEIERG Inst ID: H.i
Smp Info : LCS,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\H.i\071012.B\8260B-H2O.m
Meth Date : 10-Jul-2012 06:51 meierg Quant Type: ISTD
Cal Date : 09-JUL-2012 14:48 Cal File: H4682.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 61	Fluorobenzene	96	7.577	7.593	(1.000)	1165379	12.5000	
* 86	Chlorobenzene-d5	119	11.929	11.946	(1.000)	278237	12.5000	
* 112	1,4-Dichlorobenzene-d4	152	14.732	14.731	(1.000)	450134	12.5000	
$ 51	Dibromofluoromethane (Surr)	111	6.741	6.758	(0.890)	552583	9.02575	9.02575
$ 57	1,2-Dichloroethane-d4	65	7.177	7.176	(0.947)	223256	9.23909	9.23909
$ 75	Toluene-d8	98	9.718	9.735	(0.815)	1116881	10.0169	10.0169
$ 98	4-Bromofluorobenzene (Surr)	95	13.427	13.443	(0.911)	518917	8.90686	8.90686
M 1	1,2-Dichloroethene (total)	96				369267	10.6346	10.6346
M 2	Xylene (total)	106				809877	15.3220	15.3220
6	dichlorodifluoromethane	85	2.650	2.655	(0.350)	162871	3.71473	3.71473
7	1,2-Dichlorotetrafluoroethane	85	2.650	2.771	(0.350)	162871	2.40655	2.40654
8	Chloromethane	50	2.807	2.829	(0.370)	126543	5.39967	5.39967
9	Vinyl Chloride	62	2.963	2.968	(0.391)	141156	5.06598	5.06598
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	3.277	3.282	(0.433)	135247	4.82676	4.82676
13	Chloroethane	64	3.346	3.334	(0.442)	102508	5.22981	5.22981
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	3.608	3.595	(0.476)	273810	4.71605	4.71604(Q)
17	Ethyl Ether	59	Compound Not Detected.					
18	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
19	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
20	Acrolein	56	4.043	4.030	(0.534)	78653	53.6179	53.6179

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
21 1,1-Dichloroethene	96	4.147	4.152	(0.547)	174583	5.85054	5.85054
23 Trichlorotrifluoroethane	151	4.165	4.181	(0.550)	270560	5.92548	5.92548
22 Acetone	43	4.199	4.187	(0.554)	59201	27.8038	27.8038
25 Iodomethane	142	4.356	4.361	(0.575)	412255	5.38946	5.38946
24 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	4.443	4.442	(0.586)	542703	4.41644	4.41644
29 Allyl Chloride	41	4.704	4.547	(0.621)	10377	0.21908	0.219083(aQ)
28 Methyl Acetate	43	Compound Not Detected.					
30 Methylene Chloride	84	4.687	4.674	(0.619)	155138	3.73931	3.73931
31 tert-Butyl alcohol	59	4.791	4.796	(0.632)	115507	101.157	101.157
32 Acrylonitrile	53	4.948	4.953	(0.653)	130156	50.5230	50.5230
33 Methyl t-butyl ether	73	4.965	4.982	(0.655)	272183	4.50978	4.50978(a)
34 trans-1,2-Dichloroethene	96	4.983	4.988	(0.658)	190961	5.46425	5.46425
35 Hexane	57	5.244	5.243	(0.440)	278117	5.18199	5.18199
36 1,1-Dichloroethane	63	5.453	5.458	(0.720)	325958	5.46745	5.46745
37 Vinyl Acetate	43	5.470	5.487	(0.722)	172740	7.26998	7.26998
38 Isopropyl ether	87	Compound Not Detected.					
39 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
41 cis-1,2-Dichloroethene	96	6.149	6.154	(0.812)	178306	5.17039	5.17039
43 2,2-Dichloropropane	77	6.167	6.172	(0.814)	254366	5.66099	5.66099
42 2-Butanone	43	6.149	6.154	(0.812)	86045	19.7861	19.7861
44 Ethyl Acetate	43	6.149	6.201	(0.812)	86045	7.23859	7.23859(Q)
46 2-Butanol	45	6.358	6.357	(0.839)	153813	154.773	154.773
47 Methacrylonitrile	41	Compound Not Detected.					
48 Bromochloromethane	128	6.463	6.468	(0.853)	95154	5.04761	5.04761
49 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	6.532	6.537	(0.862)	306639	5.16230	5.16230
52 1,1,1-Trichloroethane	97	6.793	6.798	(0.897)	279985	5.18372	5.18372
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	6.968	6.972	(0.920)	269969	5.26445	5.26445
55 Carbon Tetrachloride	117	7.002	7.007	(0.924)	277911	5.08410	5.08410
58 Benzene	78	7.246	7.251	(0.956)	530895	5.45221	5.45220
59 1,2-Dichloroethane	62	7.264	7.268	(0.959)	122765	5.45112	5.45112
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	8.064	8.069	(1.064)	216590	5.15033	5.15033
64 2-Pentanone	43	8.291	8.290	(1.094)	97439	8.27884	8.27884(R)
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	8.378	8.383	(1.106)	193097	5.28882	5.28882
68 Dibromomethane	93	8.552	8.557	(1.129)	107749	5.08918	5.08918
67 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	8.743	8.748	(1.154)	264994	5.13827	5.13827
72 2-Chloroethyl vinyl ether	63	9.126	9.125	(1.204)	38030	3.84417	3.84417
73 cis-1,3-Dichloropropene	75	9.335	9.340	(1.232)	244438	5.27890	5.27890
74 4-Methyl-2-pentanone	43	9.544	9.549	(1.260)	299333	21.3865	21.3865
76 Toluene	91	9.823	9.828	(1.296)	581997	5.38877	5.38877
77 trans-1,3-Dichloropropene	75	10.136	10.141	(1.338)	176640	5.25315	5.25315
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	10.432	10.454	(1.377)	109990	4.91526	4.91526
80 Tetrachloroethene	164	10.676	10.681	(0.895)	212042	5.11459	5.11459
81 1,3-Dichloropropane	76	10.728	10.733	(0.899)	181365	4.99861	4.99861
82 2-Hexanone	43	10.833	10.837	(0.908)	194191	19.0064	19.0064
83 Dibromochloromethane	129	11.094	11.098	(0.930)	217738	4.79769	4.79769

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85 1,2-Dibromoethane	107	11.268	11.290	(0.945)	149487	4.68854	4.68854
87 1-Chlorohexane	91	11.912	11.917	(0.999)	285585	5.08685	5.08685
88 Chlorobenzene	112	11.964	11.969	(1.003)	420023	5.08601	5.08601
89 1,1,1,2-Tetrachloroethane	131	12.086	12.091	(1.013)	202500	4.92588	4.92588
90 Ethylbenzene	106	12.103	12.108	(1.015)	211296	5.19749	5.19749
91 m and p-Xylene	106	12.260	12.265	(1.028)	561439	10.2819	10.2819
92 o-Xylene	106	12.782	12.787	(1.072)	248438	5.04012	5.04012
93 Styrene	104	12.800	12.805	(1.073)	407646	5.09505	5.09505
94 Bromoform	173	13.061	13.066	(1.095)	115845	4.90247	4.90247
95 isopropyl benzene	105	13.235	13.240	(0.898)	748716	4.79485	4.79485
96 cis-1,4-dichloro-2-butene	53	13.218	13.339	(0.897)	10203	2.85449	2.85449(a)
97 Cyclohexanone	55	13.374	13.379	(1.121)	50308	113.809	113.809
100 Bromobenzene	156	13.618	13.623	(0.924)	191784	4.65289	4.65289
99 1,1,2,2-Tetrachloroethane	83	13.601	13.605	(0.923)	150071	4.73802	4.73802
101 1,2,3-Trichloropropane	110	13.653	13.658	(0.927)	34504	4.80070	4.80070(Q)
102 t-1,4-Dichloro-2-butene	53	13.670	13.687	(0.928)	136780	31.0772	31.0772
103 n-Propylbenzene	120	13.722	13.727	(0.931)	198725	4.62050	4.62050
104 2-Chlorotoluene	126	13.827	13.832	(0.939)	169183	4.60105	4.60105
105 1,3,5-Trimethylbenzene	105	13.914	13.919	(0.944)	560120	4.85541	4.85541
106 4-Chlorotoluene	126	13.949	13.954	(0.947)	196200	4.82674	4.82674
107 tert-Butylbenzene	119	14.280	14.284	(0.969)	652935	4.74818	4.74818
108 1,2,4-Trimethylbenzene	105	14.332	14.337	(0.973)	526616	4.75681	4.75681
109 sec-Butylbenzene	134	14.523	14.528	(0.986)	182454	4.93854	4.93854
110 1,3-Dichlorobenzene	146	14.663	14.667	(0.995)	322894	4.49409	4.49409
111 4-Isopropyltoluene	119	14.680	14.685	(0.996)	719759	4.74907	4.74907
113 1,4-dichlorobenzene	146	14.750	14.755	(1.001)	436643	5.22919	5.22919
115 n-Butylbenzene	91	15.098	15.103	(1.025)	657649	5.05500	5.05500
116 1,2-Dichlorobenzene	146	15.133	15.138	(1.027)	296834	4.86440	4.86440
117 1,2-Dibromo-3-chloropropane	157	15.899	15.904	(1.079)	26949	4.42522	4.42522
118 1,2,4-Trichlorobenzene	180	16.665	16.670	(1.131)	210220	4.62326	4.62326
119 Hexachlorobutadiene	225	16.821	16.826	(1.142)	206711	5.00365	5.00365
120 Naphthalene	128	16.926	16.931	(1.149)	251101	4.74920	4.74920
121 1,2,3-Trichlorobenzene	180	17.170	17.174	(1.165)	162898	4.50377	4.50377

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: H4713.D

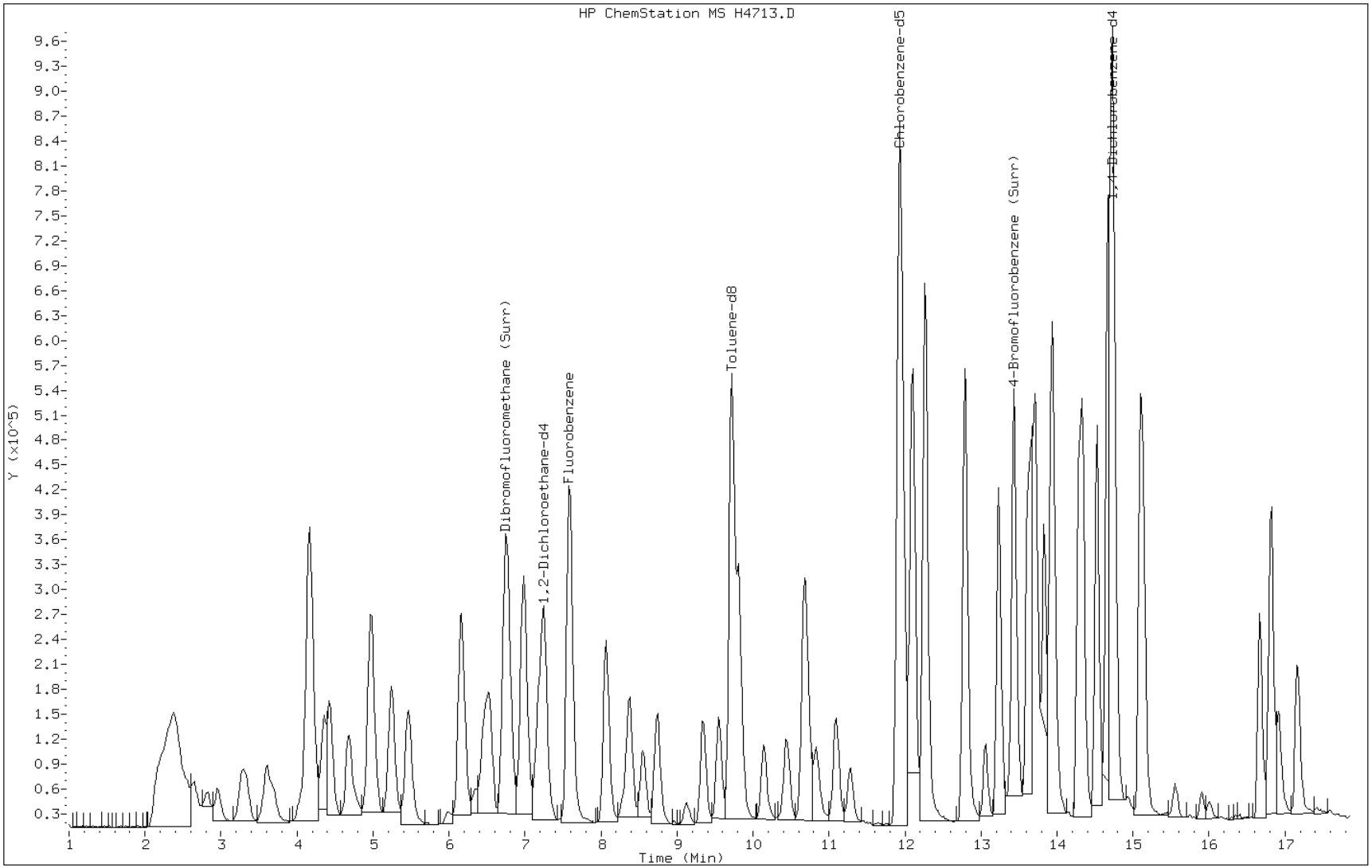
Date: 10-JUL-2012 07:24

Client ID: LCS

Instrument: H.i

Sample Info: LCS,,

Operator: MEIERG



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: MSV_H Start Date: 07/02/2012 12:21

Analysis Batch Number: 126680 End Date: 07/02/2012 18:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-126680/1		07/02/2012 12:21	1	H4454.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/2		07/02/2012 12:30	1	H4455.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/3		07/02/2012 12:52	1	H4456.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/4		07/02/2012 13:15	1	H4457.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/5		07/02/2012 13:37	1	H4458.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/6		07/02/2012 13:59	1	H4459.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/7		07/02/2012 14:21	1	H4460.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/8		07/02/2012 14:44	1	H4461.D	DB-624 (75.53) 0.53(mm)
ICV 280-126680/9		07/02/2012 15:06	1	H4462.D	DB-624 (75.53) 0.53(mm)
ICV 280-126680/10		07/02/2012 15:28	1	H4463.D	DB-624 (75.53) 0.53(mm)
ICV 280-126680/11		07/02/2012 15:51	1	H4464.D	DB-624 (75.53) 0.53(mm)
IC 280-126680/12		07/02/2012 16:13	1		DB-624 (75.53) 0.53(mm)
IC 280-126680/13		07/02/2012 16:35	1		DB-624 (75.53) 0.53(mm)
IC 280-126680/14		07/02/2012 16:58	1		DB-624 (75.53) 0.53(mm)
ICIS 280-126680/15		07/02/2012 17:20	1		DB-624 (75.53) 0.53(mm)
IC 280-126680/16		07/02/2012 17:42	1		DB-624 (75.53) 0.53(mm)
IC 280-126680/17		07/02/2012 18:04	1		DB-624 (75.53) 0.53(mm)
ICV 280-126680/18		07/02/2012 18:26	1		DB-624 (75.53) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: MSV_H Start Date: 07/09/2012 12:26

Analysis Batch Number: 127058 End Date: 07/10/2012 00:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-127058/1		07/09/2012 12:26	1	H4675.D	DB-624 (75.53) 0.53(mm)
CCV 280-127058/2		07/09/2012 12:36	1		DB-624 (75.53) 0.53(mm)
IC 280-127058/3		07/09/2012 12:58	1	H4677.D	DB-624 (75.53) 0.53(mm)
IC 280-127058/4		07/09/2012 13:20	1	H4678.D	DB-624 (75.53) 0.53(mm)
IC 280-127058/5		07/09/2012 13:42	1	H4679.D	DB-624 (75.53) 0.53(mm)
ICIS 280-127058/6		07/09/2012 14:04	1	H4680.D	DB-624 (75.53) 0.53(mm)
IC 280-127058/7		07/09/2012 14:26	1	H4681.D	DB-624 (75.53) 0.53(mm)
IC 280-127058/8		07/09/2012 14:48	1	H4682.D	DB-624 (75.53) 0.53(mm)
ICV 280-127058/9		07/09/2012 15:10	1	H4683.D	DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 15:32	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 15:54	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 16:17	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 16:39	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 17:01	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 17:23	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 17:45	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 18:07	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 18:30	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 18:52	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 19:14	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 19:36	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 19:58	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 20:20	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 20:42	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 21:05	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 21:27	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 21:49	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 22:12	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 22:34	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 22:56	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 23:18	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/09/2012 23:40	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 00:02	1		DB-624 (75.53) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: MSV_H Start Date: 07/10/2012 06:32

Analysis Batch Number: 127122 End Date: 07/10/2012 16:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-127122/1		07/10/2012 06:32	1	H4710.D	DB-624 (75.53) 0.53(mm)
CCV 280-127122/2		07/10/2012 06:40	1	H4711.D	DB-624 (75.53) 0.53(mm)
CCV 280-127122/3		07/10/2012 07:02	1	H4712.D	DB-624 (75.53) 0.53(mm)
LCS 280-127122/4		07/10/2012 07:24	1	H4713.D	DB-624 (75.53) 0.53(mm)
MB 280-127122/5		07/10/2012 07:46	1	H4714.D	DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 08:08	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 08:30	1		DB-624 (75.53) 0.53(mm)
280-30455-3	LF1M10318UA	07/10/2012 08:52	1	H4717.D	DB-624 (75.53) 0.53(mm)
280-30455-4	LF1SW0101UA	07/10/2012 09:14	1	H4718.D	DB-624 (75.53) 0.53(mm)
280-30455-5	LF1SW02SMC01UA	07/10/2012 09:36	1	H4719.D	DB-624 (75.53) 0.53(mm)
280-30455-6	LF1SW0301UA	07/10/2012 09:58	1	H4720.D	DB-624 (75.53) 0.53(mm)
280-30455-7	062612UE	07/10/2012 10:20	1	H4721.D	DB-624 (75.53) 0.53(mm)
280-30455-8	062612UF	07/10/2012 10:42	1	H4722.D	DB-624 (75.53) 0.53(mm)
280-30455-9	062612UR	07/10/2012 11:04	1	H4723.D	DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 11:26	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 11:49	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 12:11	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 12:33	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 12:55	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 13:17	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 13:39	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 14:01	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 14:23	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 14:45	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 15:07	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 15:29	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 15:51	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		07/10/2012 16:14	1		DB-624 (75.53) 0.53(mm)

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG No.:

Project: Griffiss AFB LF1 LTM

Client Sample ID	Lab Sample ID
LF1M01R11UA	280-30455-1
LF1M1411UA	280-30455-2
LF1M10318UA	280-30455-3
LF1SW0101UA	280-30455-4
LF1SW02SMC01UA	280-30455-5
LF1SW0301UA	280-30455-6
062612UE	280-30455-7

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1M01R11UA
Lab Sample ID: 280-30455-1
Lab Name: TestAmerica Denver
Job No.: 280-30455-1
SDG ID.:
Matrix: Water
Date Sampled: 06/26/2012 12:04
Reporting Basis: WET
Date Received: 06/27/2012 09:45

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.13	0.10	0.050	0.022	mg/L		J	1	350.1
Nitrogen, Kjeldahl	1.2	1.0	0.20	0.077	mg/L			1	351.2
Chemical Oxygen Demand	37	20	10	4.1	mg/L			1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	74	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Chloride	10	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	8.3	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	5.1	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	41	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	89	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	3.0	10	3.0	1.2	mg/L	U		5	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1M1411UA
Lab Sample ID: 280-30455-2
Lab Name: TestAmerica Denver
Job No.: 280-30455-1
SDG ID.:
Matrix: Water
Date Sampled: 06/26/2012 10:11
Reporting Basis: WET
Date Received: 06/27/2012 09:45

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.13	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	0.82	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	6.0	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	84	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.98	0.50	0.10	0.042	mg/L			1	9056A
Chloride	6.7	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.98	0.50	0.10	0.042	mg/L			1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	8.3	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.98	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	68	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	100	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1M10318UA
Lab Sample ID: 280-30455-3
Lab Name: TestAmerica Denver
Job No.: 280-30455-1
SDG ID.:
Matrix: Water
Date Sampled: 06/26/2012 10:30
Reporting Basis: WET
Date Received: 06/27/2012 09:45

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Bromide	0.12	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	1.0	0.50	0.10	0.042	mg/L			1	9056A
Chloride	5.2	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.056	0.50	0.10	0.049	mg/L	J		1	9056A
Fluoride	0.75	1.0	0.10	0.060	mg/L	J		1	9056A
Nitrate Nitrite as N	1.1	0.50	0.10	0.042	mg/L			1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	14	5.0	0.50	0.23	mg/L			1	9056A
Alkalinity	390	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	370	10	10	4.7	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1SW0101UA
Lab Sample ID: 280-30455-4
Lab Name: TestAmerica Denver
Job No.: 280-30455-1
SDG ID.:
Matrix: Water
Date Sampled: 06/26/2012 11:01
Reporting Basis: WET
Date Received: 06/27/2012 09:45

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.063	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	0.80	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	U		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	250	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Chloride	3.6	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	3.0	5.0	0.50	0.23	mg/L	J		1	9056A
Total Organic Carbon - Quad	1.3	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	240	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	240	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	2.0	2.5	0.75	0.30	mg/L	J		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1SW02SMC01UA
Lab Sample ID: 280-30455-5
Lab Name: TestAmerica Denver
Job No.: 280-30455-1
SDG ID.:
Matrix: Water
Date Sampled: 06/26/2012 11:45
Reporting Basis: WET
Date Received: 06/27/2012 09:45

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.62	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	1.7	1.0	0.20	0.077	mg/L			1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	360	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.13	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Chloride	7.9	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.065	1.0	0.10	0.060	mg/L	J		1	9056A
Nitrate Nitrite as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	0.54	5.0	0.50	0.23	mg/L	J		1	9056A
Total Organic Carbon - Quad	2.8	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	390	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	400	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	4.3	2.5	0.75	0.30	mg/L			1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF1SW0301UA
Lab Sample ID: 280-30455-6
Lab Name: TestAmerica Denver
Job No.: 280-30455-1
SDG ID.:
Matrix: Water
Date Sampled: 06/26/2012 10:35
Reporting Basis: WET
Date Received: 06/27/2012 09:45

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.078	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	0.90	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	150	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.061	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	7.0	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.061	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	3.0	5.0	0.50	0.23	mg/L	J		1	9056A
Total Organic Carbon - Quad	4.4	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	160	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	190	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	1.8	2.5	0.75	0.30	mg/L	J		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 062612UE
Lab Sample ID: 280-30455-7
Lab Name: TestAmerica Denver
Job No.: 280-30455-1
SDG ID.:
Matrix: Water
Date Sampled: 06/26/2012 14:15
Reporting Basis: WET
Date Received: 06/27/2012 09:45

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.10	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	0.82	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	U		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	1.5	5.0	1.5	1.3	mg/L	U		1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Chloride	0.50	3.0	0.50	0.25	mg/L	U		1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	0.50	5.0	0.50	0.23	mg/L	U		1	9056A
Total Organic Carbon - Quad	0.32	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	2.0	5.0	2.0	1.1	mg/L	U		1	SM 2320B
Total Dissolved Solids	10	10	10	4.7	mg/L	U		1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Analyst: BQW Batch Start Date: 07/09/2012

Reporting Units: mg/L Analytical Batch No.: 127015

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
15	ICVL	11:38	Ammonia	1.95	2.00	97	90-110		NXN ICV INT_00149
16	ICV	11:39	Ammonia	4.94	5.00	99	90-110		NXN ICV INT_00149
17	ICB	11:41	Ammonia	0.0373				J	
96	CCV	13:40	Ammonia	5.02	5.00	100	90-110		NXN CAL INT_00156
97	CCVL	13:41	Ammonia	1.02	1.00	102	90-110		NXN CAL INT_00156
98	CCB	13:43	Ammonia	0.0407				J	
112	CCV	14:04	Ammonia	5.11	5.00	102	90-110		NXN CAL INT_00156
113	CCVL	14:05	Ammonia	1.03	1.00	103	90-110		NXN CAL INT_00156
114	CCB	14:07	Ammonia	0.0401				J	
129	CCV	14:29	Ammonia	5.15	5.00	103	90-110		NXN CAL INT_00156
130	CCVL	14:31	Ammonia	1.05	1.00	105	90-110		NXN CAL INT_00156
131	CCB	14:32	Ammonia	0.0386				J	
146	CCV	14:55	Ammonia	5.00	5.00	100	90-110		NXN CAL INT_00156
147	CCVL	14:56	Ammonia	0.997	1.00	100	90-110		NXN CAL INT_00156
148	CCB	14:58	Ammonia	0.0421				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Analyst: MW Batch Start Date: 07/19/2012

Reporting Units: mg/L Analytical Batch No.: 128608

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
13	ICV	22:16	Nitrogen, Kjeldahl	9.78	9.92	99	90-110		TKN ICV_00003
14	ICB	22:17	Nitrogen, Kjeldahl	0.330				J	
93	CCV	23:56	Nitrogen, Kjeldahl	4.93	5.00	99	90-110		TKN 25ppm_00101
94	CCB	23:57	Nitrogen, Kjeldahl	0.253				J	
107	CCV	00:14	Nitrogen, Kjeldahl	4.91	5.00	98	90-110		TKN 25ppm_00101
108	CCB	00:15	Nitrogen, Kjeldahl	0.258				J	
117	CCV	00:26	Nitrogen, Kjeldahl	4.92	5.00	98	90-110		TKN 25ppm_00101
118	CCB	00:27	Nitrogen, Kjeldahl	0.255				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Analyst: MF Batch Start Date: 07/03/2012

Reporting Units: mg/L Analytical Batch No.: 126498

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	10:07	Chemical Oxygen Demand	100	100	100	90-110		COD icv std_00009
2	ICB	10:07	Chemical Oxygen Demand	10				U	
16	CCV	10:07	Chemical Oxygen Demand	98.1	100	98	90-110		COD cal std_00014
17	CCB	10:07	Chemical Oxygen Demand	10				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Analyst: EK Batch Start Date: 06/27/2012

Reporting Units: mg/L Analytical Batch No.: 125972

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
9	ICV	13:39	Bromide	1.86	2.00	93	90-110		IC ICV daily_00825
			Chloride	9.75	10.0	98	90-110		IC ICV daily_00825
			Fluoride	2.04	2.00	102	90-110		IC ICV daily_00825
			Sulfate	9.72	10.0	97	90-110		IC ICV daily_00825
10	ICB	13:56	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
26	CCV	19:33	Bromide	4.85	5.00	97	90-110		IC daily cal_00825
			Chloride	24.5	25.0	98	90-110		IC daily cal_00825
			Fluoride	4.93	5.00	99	90-110		IC daily cal_00825
			Sulfate	24.6	25.0	98	90-110		IC daily cal_00825
27	CCB	19:49	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
38	CCV	22:54	Bromide	4.79	5.00	96	90-110		IC daily cal_00825
			Chloride	24.5	25.0	98	90-110		IC daily cal_00825
			Fluoride	4.95	5.00	99	90-110		IC daily cal_00825
			Sulfate	24.5	25.0	98	90-110		IC daily cal_00825
39	CCB	23:11	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
50	CCV	02:16	Bromide	4.83	5.00	97	90-110		IC daily cal_00825
			Chloride	24.6	25.0	98	90-110		IC daily cal_00825
			Fluoride	4.91	5.00	98	90-110		IC daily cal_00825
			Sulfate	24.4	25.0	98	90-110		IC daily cal_00825
51	CCB	02:33	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Analyst: EK Batch Start Date: 06/27/2012

Reporting Units: mg/L Analytical Batch No.: 125973

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
9	ICV	13:39	Nitrate as N	1.93	2.00	97	90-110		IC ICV daily_00825
			Nitrite as N	1.94	2.00	97	90-110		IC ICV daily_00825
			Orthophosphate as P	2.10	2.00	105	90-110		IC ICV daily_00825
10	ICB	13:56	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	
26	CCV	19:33	Nitrate as N	4.89	5.00	98	90-110		IC daily cal_00825
			Nitrite as N	4.85	5.00	97	90-110		IC daily cal_00825
			Orthophosphate as P	5.01	5.00	100	90-110		IC daily cal_00825
27	CCB	19:49	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	
62	CCV	05:37	Nitrate as N	4.87	5.00	97	90-110		IC daily cal_00825
			Nitrite as N	4.82	5.00	96	90-110		IC daily cal_00825
			Orthophosphate as P	4.66	5.00	93	90-110		IC daily cal_00825
63	CCB	05:54	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	
71	CCV	08:15	Nitrate as N	4.89	5.00	98	90-110		IC daily cal_00825
			Nitrite as N	4.80	5.00	96	90-110		IC daily cal_00825
			Orthophosphate as P	4.78	5.00	96	90-110		IC daily cal_00825
72	CCB	08:35	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Analyst: DFB Batch Start Date: 07/18/2012

Reporting Units: mg/L Analytical Batch No.: 128577

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	19:41	Total Organic Carbon - Quad	19.2	20.0	96	90-110		TOC ICV Std_00012
2	ICB	20:00	Total Organic Carbon - Quad	0.25				U	
16	CCV	00:13	Total Organic Carbon - Quad	24.1	25.0	96	90-110		TOC LCS Std_00013
17	CCB	00:33	Total Organic Carbon - Quad	0.176				J	
28	CCV	04:10	Total Organic Carbon - Quad	24.3	25.0	97	90-110		TOC LCS Std_00013
29	CCB	04:31	Total Organic Carbon - Quad	0.417				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Analyst: AJA Batch Start Date: 07/02/2012

Reporting Units: mg/L Analytical Batch No.: 126467

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
17	CCV	11:36	Alkalinity	211	200	105	90-110		Alk daily lcs_00256
18	CCB	11:40	Alkalinity	2.0				U	
29	CCV	12:33	Alkalinity	211	200	105	90-110		Alk daily lcs_00256
30	CCB	12:37	Alkalinity	2.0				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 127015	Date: 07/09/2012 13:59						
350.1	MB 280-127015/109	Ammonia	0.0462	J	mg/L	0.10	1
Batch ID: 128608	Date: 07/20/2012 00:04	Prep Batch: 128384	Date: 07/18/2012 19:00				
351.2	MB 280-128384/3-A	Nitrogen, Kjeldahl	0.350	J	mg/L	1.0	1
Batch ID: 126498	Date: 07/03/2012 10:07						
410.4	MB 280-126498/5	Chemical Oxygen Demand	10	U	mg/L	20	1
Batch ID: 125972	Date: 06/27/2012 15:20						
9056A	MB 280-125972/15	Bromide	0.20	U	mg/L	0.50	1
9056A	MB 280-125972/15	Chloride	0.50	U	mg/L	3.0	1
9056A	MB 280-125972/15	Fluoride	0.10	U	mg/L	1.0	1
9056A	MB 280-125972/15	Sulfate	0.50	U	mg/L	5.0	1
Batch ID: 125973	Date: 06/27/2012 15:20						
9056A	MB 280-125973/15	Nitrate as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125973/15	Nitrite as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125973/15	Nitrate Nitrite as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125973/15	Orthophosphate as P	0.20	U	mg/L	0.50	1
Batch ID: 128577	Date: 07/18/2012 22:43						
9060A	MB 280-128577/11	Total Organic Carbon - Quad	0.40	U	mg/L	1.0	1
Batch ID: 126223	Date: 06/27/2012 13:00						
SM 2120B	MB 280-126223/1	Color	5.0	U	PCU	5.0	1
Batch ID: 126467	Date: 07/02/2012 10:42						
SM 2320B	MB 280-126467/6	Alkalinity	2.0	U	mg/L	5.0	1
Batch ID: 128483	Date: 07/19/2012 12:25						
SM 2340C	MB 280-128483/1	Hardness as calcium carbonate	1.5	U	mg/L	5.0	1
Batch ID: 126308	Date: 07/02/2012 10:13						
SM 2540C	MB 280-126308/1	Total Dissolved Solids	10	U	mg/L	10	1
Batch ID: 125739	Date: 06/27/2012 06:59						
SM5210B	MB 280-125739/14	Biochemical Oxygen Demand	0.60	U	mg/L	2.0	1

3-IN
UNSEEDED CONTROL BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 125739 Date: 06/27/2012 06:59							
SM5210B	USB 280-125739/10	Biochemical Oxygen Demand	0.440	J	mg/L	2.0	1

3-IN
SEEDED CONTROL BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 125739	Date: 06/27/2012 06:59						
SM5210B	SCB 280-125739/9	Biochemical Oxygen Demand	0.644	J	mg/L	2.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 127015	Date: 07/09/2012 14:37										
350.1	280-30455-1	Ammonia	0.13		mg/L						J
350.1	280-30455-1 MS	Ammonia	1.72		mg/L	4.00	40	90-110			J
Batch ID: 126498	Date: 07/03/2012 10:07										
410.4	280-30455-2	Chemical Oxygen Demand	6.0	J	mg/L						
410.4	280-30455-2 MS	Chemical Oxygen Demand	54.4		mg/L	50.0	97	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 127015	Date: 07/09/2012 14:38										
350.1	280-30455-1 MSD	Ammonia	1.71		mg/L	4.00	40	90-110	0	20	J
Batch ID: 126498	Date: 07/03/2012 10:07										
410.4	280-30455-2 MSD	Chemical Oxygen Demand	51.3		mg/L	50.0	91	90-110	6	11	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 126223 Date: 06/27/2012 13:00								
SM 2120B	LF1M01R11UA	280-30455-1	Color	5.0	PCU			U
SM 2120B	LF1M01R11UA	280-30455-1 DU	Color	5.0	PCU	NC	20	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 127015	Date: 07/09/2012 14:11										
						LCS Source: NXN CAL INT_00156					
350.1	LCS 280-127015/117	Ammonia	5.05		mg/L	5.00	101	90-110	0	10	
Batch ID: 128608	Date: 07/19/2012 23:59	Prep Batch: 128384	Date: 07/18/2012 19:00								
						LCS Source: TKN 25ppm_00101					
351.2	LCS 280-128384/1-A	Nitrogen, Kjeldahl	5.96		mg/L	6.00	99	90-110	0	25	
Batch ID: 126498	Date: 07/03/2012 10:07										
						LCS Source: COD cal std_00014					
410.4	LCS 280-126498/3	Chemical Oxygen Demand	98.4		mg/L	100	98	90-110	2	11	
Batch ID: 125972	Date: 06/27/2012 14:46										
						LCS Source: IC daily cal_00825					
9056A	LCS 280-125972/13	Bromide	4.79		mg/L	5.00	96	86-110	0	10	
9056A	LCS 280-125972/13	Chloride	24.4		mg/L	25.0	97	89-110	0	10	
9056A	LCS 280-125972/13	Fluoride	5.04		mg/L	5.00	101	88-111	0	10	
9056A	LCS 280-125972/13	Sulfate	24.1		mg/L	25.0	96	86-110	0	10	
Batch ID: 125973	Date: 06/27/2012 14:46										
						LCS Source: IC daily cal_00825					
9056A	LCS 280-125973/13	Nitrate as N	4.81		mg/L	5.00	96	87-110	0	10	
9056A	LCS 280-125973/13	Nitrite as N	4.90		mg/L	5.00	98	87-112	0	10	
9056A	LCS 280-125973/13	Orthophosphate as P	4.86		mg/L	5.00	97	90-110	5	10	
Batch ID: 128577	Date: 07/18/2012 22:05										
						LCS Source: TOC LCS Std_00013					
9060A	LCS 280-128577/9	Total Organic Carbon - Quad	24.4		mg/L	25.0	98	86-114	0	12	
Batch ID: 126467	Date: 07/02/2012 10:34										
						LCS Source: Alk daily lcs_00256					
SM 2320B	LCS 280-126467/4	Alkalinity	207		mg/L	200	103	90-110	0	10	
Batch ID: 128483	Date: 07/19/2012 12:25										
						LCS Source: Hard lcs std_00022					
SM 2340C	LCS 280-128483/2	Hardness as calcium carbonate	400		mg/L	403	99	90-110	1	10	
Batch ID: 126308	Date: 07/02/2012 10:13										
						LCS Source: TDS LCS_00281					
SM 2540C	LCS 280-126308/2	Total Dissolved Solids	486		mg/L	500	97	86-110	0	20	
Batch ID: 125739	Date: 06/27/2012 06:59										
						LCS Source: BOD Daily LCS_00529					
SM5210B	LCS 280-125739/12	Biochemical Oxygen Demand	211		mg/L	198	107	85-115	1	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 127015	Date: 07/09/2012 14:13										
						LCSD Source: NXN CAL INT_00156					
350.1	LCSD 280-127015/118	Ammonia	5.04		mg/L	5.00	101	90-110	0	10	
Batch ID: 128608	Date: 07/20/2012 00:00	Prep Batch: 128384	Date: 07/18/2012 19:00								
						LCSD Source: TKN 25ppm_00101					
351.2	LCSD 280-128384/2-A	Nitrogen, Kjeldahl	5.98		mg/L	6.00	100	90-110	0	25	
Batch ID: 126498	Date: 07/03/2012 10:07										
						LCSD Source: COD cal std_00014					
410.4	LCSD 280-126498/4	Chemical Oxygen Demand	100		mg/L	100	100	90-110	2	11	
Batch ID: 125972	Date: 06/27/2012 15:03										
						LCSD Source: IC daily cal_00825					
9056A	LCSD 280-125972/14	Bromide	4.78		mg/L	5.00	96	86-110	0	10	
9056A	LCSD 280-125972/14	Chloride	24.3		mg/L	25.0	97	89-110	0	10	
9056A	LCSD 280-125972/14	Fluoride	5.05		mg/L	5.00	101	88-111	0	10	
9056A	LCSD 280-125972/14	Sulfate	24.2		mg/L	25.0	97	86-110	0	10	
Batch ID: 125973	Date: 06/27/2012 15:03										
						LCSD Source: IC daily cal_00825					
9056A	LCSD 280-125973/14	Nitrate as N	4.82		mg/L	5.00	96	87-110	0	10	
9056A	LCSD 280-125973/14	Nitrite as N	4.89		mg/L	5.00	98	87-112	0	10	
9056A	LCSD 280-125973/14	Orthophosphate as P	5.09		mg/L	5.00	102	90-110	5	10	
Batch ID: 128577	Date: 07/18/2012 22:23										
						LCSD Source: TOC LCS Std_00013					
9060A	LCSD 280-128577/10	Total Organic Carbon - Quad	24.4		mg/L	25.0	97	86-114	0	12	
Batch ID: 126467	Date: 07/02/2012 10:39										
						LCSD Source: Alk daily lcs_00256					
SM 2320B	LCSD 280-126467/5	Alkalinity	207		mg/L	200	103	90-110	0	10	
Batch ID: 128483	Date: 07/19/2012 12:25										
						LCSD Source: Hard lcs std_00022					
SM 2340C	LCSD 280-128483/3	Hardness as calcium carbonate	397		mg/L	403	98	90-110	1	10	
Batch ID: 126308	Date: 07/02/2012 10:13										
						LCSD Source: TDS LCS_00281					
SM 2540C	LCSD 280-126308/3	Total Dissolved Solids	486		mg/L	500	97	86-110	0	20	
Batch ID: 125739	Date: 06/27/2012 06:59										
						LCSD Source: BOD Daily LCS_00529					
SM5210B	LCSD 280-125739/13	Biochemical Oxygen Demand	213		mg/L	198	108	85-115	1	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 125973	Date: 06/27/2012 14:13										
						LCS Source:	IC CAL INT1_00160				
9056A	MRL 280-125973/11	Orthophosphate as P	0.492	J	mg/L	0.500	98	50-150			
Batch ID: 125972	Date: 06/27/2012 14:30										
						LCS Source:	IC CAL INT1_00160				
9056A	MRL 280-125972/12	Bromide	0.210		mg/L	0.200	105	50-150			
9056A	MRL 280-125972/12	Chloride	0.996	J	mg/L	1.00	100	50-150			
9056A	MRL 280-125972/12	Fluoride	0.189	J	mg/L	0.200	95	50-150			
9056A	MRL 280-125972/12	Sulfate	0.896	J	mg/L	1.00	90	50-150			
Batch ID: 125973	Date: 06/27/2012 14:30										
						LCS Source:	IC CAL INT1_00160				
9056A	MRL 280-125973/12	Nitrate as N	0.206	J	mg/L	0.200	103	50-150			
9056A	MRL 280-125973/12	Nitrite as N	0.197	J	mg/L	0.200	99	50-150			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 350.1 DL Date: 03/28/2011 13:26

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Ammonia		0.1	0.022

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 350.1 XMDL Date: 03/28/2011 13:26

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Ammonia		0.1	0.0225

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 351.2 DL Date: 10/26/2010 10:52

Prep Method: 351.2

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Nitrogen, Kjeldahl		1	0.077

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 351.2 XMDL Date: 10/26/2010 10:52

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrogen, Kjeldahl		1	0.077

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: WC_HACH SPEC

Method: 410.4 DL Date: 09/19/2011 14:10

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Chemical Oxygen Demand		20	4.06

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: WC_HACH SPEC

Method: 410.4 XMDL Date: 03/22/2010 16:03

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chemical Oxygen Demand		20	4.06

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2120B LOQ Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	LOQ (PCU)	
Color		5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2120B XRL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (PCU)	
Color		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2340C DL Date: 03/11/2010 17:08

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Hardness as calcium carbonate		5	1.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2340C XMDL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Hardness as calcium carbonate		5	1.3

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A DL Date: 11/30/2009 00:00

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Bromide		0.5	0.113
Chloride		3	0.254
Fluoride		1	0.06
Nitrate as N		0.5	0.042
Nitrate Nitrite as N		0.5	0.042
Nitrite as N		0.5	0.049
Orthophosphate as P		0.5	0.187
Sulfate		5	0.232

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A XMDL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Bromide		0.2	0.113
Chloride		3	0.254
Fluoride		0.5	0.0597
Sulfate		5	0.232

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A XMDL Date: 03/28/2011 13:33

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrate as N		0.5	0.0425
Nitrate Nitrite as N		0.5	0.0425
Nitrite as N		0.5	0.0494
Orthophosphate as P		0.5	0.187

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060A DL Date: 11/30/2009 00:00

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Total Organic Carbon - Quad		1	0.155

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060A XMDL Date: 03/28/2011 11:39

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon - Quad		1	0.155

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: WC-AT3

Method: SM 2320B DL Date: 03/28/2011 12:06

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Alkalinity		5	1.07

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: WC-AT3

Method: SM 2320B XMDL Date: 03/28/2011 12:06

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Alkalinity		5	1.07

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2540C DL Date: 10/07/2011 10:03

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Total Dissolved Solids		10	4.7

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2540C XMDL Date: 10/11/2010 11:58

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Dissolved Solids		10	4.7

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM5210B DL Date: 03/28/2011 12:09

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Biochemical Oxygen Demand		2	0.236

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30455-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM5210B XMDL Date: 03/28/2011 12:09

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Biochemical Oxygen Demand		2	0.236

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Prep Method: 351.2

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LCS 280-128384/1-A	07/18/2012 19:00	128384		25	25
LCSD 280-128384/2-A	07/18/2012 19:00	128384		25	25
MB 280-128384/3-A	07/18/2012 19:00	128384		25	25
280-30455-1	07/18/2012 19:00	128384		25	25
280-30455-2	07/18/2012 19:00	128384		25	25
280-30455-4	07/18/2012 19:00	128384		25	25
280-30455-5	07/18/2012 19:00	128384		25	25
280-30455-6	07/18/2012 19:00	128384		25	25
280-30455-7	07/18/2012 19:00	128384		25	25

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/09/2012 11:15 End Date: 07/09/2012 15:04

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			11:15																				
ZZZZZZ			11:18																				
ZZZZZZ			11:20																				
ZZZZZZ			11:21																				
IC 280-127015/5			11:23	X																			
IC 280-127015/6			11:24	X																			
IC 280-127015/7			11:26	X																			
IC 280-127015/8			11:27	X																			
IC 280-127015/9			11:29	X																			
IC 280-127015/10			11:30	X																			
IC 280-127015/11			11:32	X																			
ZZZZZZ			11:33																				
ZZZZZZ			11:35																				
ZZZZZZ			11:36																				
ICVL 280-127015/15	1		11:38	X																			
ICV 280-127015/16	1		11:39	X																			
ICB 280-127015/17	1		11:41	X																			
MRL 280-127015/18	1	T	11:42	X																			
ZZZZZZ			11:44																				
ZZZZZZ			11:45																				
ZZZZZZ			11:47																				
ZZZZZZ			11:48																				
ZZZZZZ			11:50																				
ZZZZZZ			11:51																				
ZZZZZZ			11:53																				
RINSE 280-127015/26			11:54																				
ZZZZZZ			11:56																				
ZZZZZZ			11:57																				
ZZZZZZ			11:59																				
ZZZZZZ			12:00																				
RINSE 280-127015/31			12:02																				
CCV 280-127015/32			12:03																				
CCVL 280-127015/33			12:05																				
CCB 280-127015/34			12:06																				
ZZZZZZ			12:08																				
ZZZZZZ			12:09																				
ZZZZZZ			12:11																				
ZZZZZZ			12:12																				
ZZZZZZ			12:14																				
ZZZZZZ			12:15																				
ZZZZZZ			12:17																				
ZZZZZZ			12:18																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/09/2012 11:15 End Date: 07/09/2012 15:04

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			12:20																				
ZZZZZZ			12:21																				
ZZZZZZ			12:23																				
ZZZZZZ			12:24																				
RINSE 280-127015/47			12:26																				
CCV 280-127015/48			12:27																				
CCVL 280-127015/49			12:29																				
CCB 280-127015/50			12:30																				
ZZZZZZ			12:32																				
ZZZZZZ			12:34																				
ZZZZZZ			12:35																				
ZZZZZZ			12:37																				
ZZZZZZ			12:38																				
ZZZZZZ			12:40																				
ZZZZZZ			12:41																				
ZZZZZZ			12:43																				
ZZZZZZ			12:44																				
ZZZZZZ			12:46																				
ZZZZZZ			12:47																				
ZZZZZZ			12:49																				
RINSE 280-127015/63			12:50																				
CCV 280-127015/64			12:52																				
CCVL 280-127015/65			12:53																				
CCB 280-127015/66			12:55																				
ZZZZZZ			12:56																				
ZZZZZZ			12:58																				
ZZZZZZ			12:59																				
ZZZZZZ			13:01																				
ZZZZZZ			13:02																				
ZZZZZZ			13:04																				
ZZZZZZ			13:05																				
ZZZZZZ			13:07																				
ZZZZZZ			13:08																				
ZZZZZZ			13:10																				
ZZZZZZ			13:11																				
ZZZZZZ			13:13																				
RINSE 280-127015/79			13:14																				
CCV 280-127015/80			13:16																				
CCVL 280-127015/81			13:17																				
CCB 280-127015/82			13:19																				
ZZZZZZ			13:20																				
ZZZZZZ			13:22																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/09/2012 11:15 End Date: 07/09/2012 15:04

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			13:23																				
ZZZZZZ			13:25																				
ZZZZZZ			13:26																				
ZZZZZZ			13:28																				
ZZZZZZ			13:29																				
ZZZZZZ			13:31																				
ZZZZZZ			13:32																				
ZZZZZZ			13:34																				
ZZZZZZ			13:35																				
ZZZZZZ			13:37																				
RINSE 280-127015/95			13:38																				
CCV 280-127015/96	1		13:40	X																			
CCVL 280-127015/97	1		13:41	X																			
CCB 280-127015/98	1		13:43	X																			
ZZZZZZ			13:44																				
ZZZZZZ			13:46																				
ZZZZZZ			13:47																				
ZZZZZZ			13:49																				
ZZZZZZ			13:50																				
ZZZZZZ			13:52																				
ZZZZZZ			13:53																				
ZZZZZZ			13:55																				
ZZZZZZ			13:56																				
ZZZZZZ			13:58																				
MB 280-127015/109	1	T	13:59	X																			
ZZZZZZ			14:01																				
RINSE 280-127015/111			14:02																				
CCV 280-127015/112	1		14:04	X																			
CCVL 280-127015/113	1		14:05	X																			
CCB 280-127015/114	1		14:07	X																			
ZZZZZZ			14:08																				
RINSE 280-127015/116			14:10																				
LCS 280-127015/117	1	T	14:11	X																			
LCSD 280-127015/118	1	T	14:13	X																			
ZZZZZZ			14:14																				
ZZZZZZ			14:16																				
ZZZZZZ			14:17																				
ZZZZZZ			14:19																				
ZZZZZZ			14:20																				
ZZZZZZ			14:22																				
ZZZZZZ			14:23																				
280-30455-1	1	T	14:25	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/09/2012 11:15 End Date: 07/09/2012 15:04

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			14:26																				
RINSE 280-127015/128			14:28																				
CCV 280-127015/129	1		14:29	X																			
CCVL 280-127015/130	1		14:31	X																			
CCB 280-127015/131	1		14:32	X																			
ZZZZZZ			14:34																				
RINSE 280-127015/133			14:35																				
280-30455-1 MS	1	T	14:37	X																			
280-30455-1 MSD	1	T	14:38	X																			
280-30455-2	1	T	14:40	X																			
280-30455-4	1	T	14:41	X																			
280-30455-5	1	T	14:43	X																			
280-30455-6	1	T	14:44	X																			
280-30455-7	1	T	14:46	X																			
RINSE 280-127015/141			14:47																				
RINSE 280-127015/142			14:49																				
RINSE 280-127015/143			14:50																				
ZZZZZZ			14:52																				
RINSE 280-127015/145			14:53																				
CCV 280-127015/146	1		14:55	X																			
CCVL 280-127015/147	1		14:56	X																			
CCB 280-127015/148	1		14:58	X																			
ZZZZZZ			14:59																				
RINSE 280-127015/150			15:01																				
RINSE 280-127015/151			15:02																				
RINSE 280-127015/152			15:04																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: WC_Astoria Method: 351.2

Start Date: 07/19/2012 22:01 End Date: 07/20/2012 00:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				TKN																			
ZZZZZZ			22:01																				
ZZZZZZ			22:02																				
ZZZZZZ			22:03																				
ZZZZZZ			22:04																				
IC 280-128608/5			22:06	X																			
IC 280-128608/6			22:07	X																			
IC 280-128608/7			22:08	X																			
IC 280-128608/8			22:09	X																			
IC 280-128608/9			22:11	X																			
IC 280-128608/10			22:12	X																			
ZZZZZZ			22:13																				
ZZZZZZ			22:14																				
ICV 280-128608/13	2		22:16	X																			
ICB 280-128608/14	1		22:17	X																			
ZZZZZZ			22:18																				
ZZZZZZ			22:19																				
ZZZZZZ			22:21																				
ZZZZZZ			22:22																				
ZZZZZZ			22:23																				
ZZZZZZ			22:24																				
CCV 280-128608/21			22:26																				
CCB 280-128608/22			22:27																				
ZZZZZZ			22:28																				
ZZZZZZ			22:29																				
ZZZZZZ			22:31																				
ZZZZZZ			22:32																				
ZZZZZZ			22:33																				
ZZZZZZ			22:34																				
ZZZZZZ			22:36																				
ZZZZZZ			22:37																				
ZZZZZZ			22:38																				
ZZZZZZ			22:39																				
ZZZZZZ			22:41																				
ZZZZZZ			22:42																				
CCV 280-128608/35			22:43																				
CCB 280-128608/36			22:44																				
ZZZZZZ			22:46																				
ZZZZZZ			22:47																				
ZZZZZZ			22:48																				
ZZZZZZ			22:49																				
ZZZZZZ			22:51																				
ZZZZZZ			22:52																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: WC_Astoria Method: 351.2

Start Date: 07/19/2012 22:01 End Date: 07/20/2012 00:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				TKN																			
ZZZZZZ			22:53																				
ZZZZZZ			22:55																				
ZZZZZZ			22:56																				
ZZZZZZ			22:57																				
ZZZZZZ			22:58																				
ZZZZZZ			23:00																				
ZZZZZZ			23:01																				
ZZZZZZ			23:02																				
CCV 280-128608/51			23:03																				
CCB 280-128608/52			23:05																				
ZZZZZZ			23:06																				
ZZZZZZ			23:07																				
ZZZZZZ			23:08																				
ZZZZZZ			23:10																				
ZZZZZZ			23:11																				
ZZZZZZ			23:12																				
ZZZZZZ			23:13																				
ZZZZZZ			23:15																				
ZZZZZZ			23:16																				
ZZZZZZ			23:17																				
ZZZZZZ			23:18																				
ZZZZZZ			23:20																				
CCV 280-128608/65			23:21																				
CCB 280-128608/66			23:22																				
ZZZZZZ			23:23																				
ZZZZZZ			23:25																				
ZZZZZZ			23:26																				
ZZZZZZ			23:27																				
ZZZZZZ			23:28																				
ZZZZZZ			23:30																				
ZZZZZZ			23:31																				
ZZZZZZ			23:32																				
ZZZZZZ			23:33																				
ZZZZZZ			23:35																				
ZZZZZZ			23:36																				
ZZZZZZ			23:37																				
CCV 280-128608/79			23:38																				
CCB 280-128608/80			23:40																				
ZZZZZZ			23:41																				
ZZZZZZ			23:42																				
ZZZZZZ			23:43																				
ZZZZZZ			23:45																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: WC_Astoria Method: 351.2

Start Date: 07/19/2012 22:01 End Date: 07/20/2012 00:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				TKN																			
ZZZZZZ			23:46																				
ZZZZZZ			23:47																				
ZZZZZZ			23:48																				
ZZZZZZ			23:50																				
ZZZZZZ			23:51																				
ZZZZZZ			23:52																				
ZZZZZZ			23:53																				
ZZZZZZ			23:55																				
CCV 280-128608/93	1		23:56	X																			
CCB 280-128608/94	1		23:57	X																			
LCS 280-128384/1-A	1	T	23:59	X																			
LCSD 280-128384/2-A	1	T	00:00	X																			
ZZZZZZ			00:01																				
ZZZZZZ			00:02																				
MB 280-128384/3-A	1	T	00:04	X																			
ZZZZZZ			00:05																				
ZZZZZZ			00:06																				
ZZZZZZ			00:07																				
ZZZZZZ			00:09																				
ZZZZZZ			00:10																				
280-30455-1	1	T	00:11	X																			
280-30455-2	1	T	00:12	X																			
CCV 280-128608/107	1		00:14	X																			
CCB 280-128608/108	1		00:15	X																			
ZZZZZZ			00:16																				
ZZZZZZ			00:17																				
280-30455-4	1	T	00:19	X																			
280-30455-5	1	T	00:20	X																			
280-30455-6	1	T	00:21	X																			
280-30455-7	1	T	00:22	X																			
ZZZZZZ			00:24																				
ZZZZZZ			00:25																				
CCV 280-128608/117	1		00:26	X																			
CCB 280-128608/118	1		00:27	X																			
ZZZZZZ			00:29																				
ZZZZZZ			00:30																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: WC_HACH SPEC Method: 410.4

Start Date: 07/03/2012 10:07 End Date: 07/03/2012 10:07

Lab Sample ID	D / F	Type	Time	Analytes																			
				COD																			
ICV 280-126498/1	1		10:07	X																			
ICB 280-126498/2	1		10:07	X																			
LCS 280-126498/3	1	T	10:07	X																			
LCSD 280-126498/4	1	T	10:07	X																			
MB 280-126498/5	1	T	10:07	X																			
ZZZZZZ			10:07																				
ZZZZZZ			10:07																				
280-30455-1	1	T	10:07	X																			
280-30455-2	1	T	10:07	X																			
280-30455-2 MS	1	T	10:07	X																			
280-30455-2 MSD	1	T	10:07	X																			
280-30455-4	1	T	10:07	X																			
280-30455-5	1	T	10:07	X																			
280-30455-6	1	T	10:07	X																			
280-30455-7	1	T	10:07	X																			
CCV 280-126498/16	1		10:07	X																			
CCB 280-126498/17	1		10:07	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2120B

Start Date: 06/27/2012 13:00 End Date: 06/30/2012 07:28

Lab Sample ID	D / F	Type	Time	Analytes																			
				Color																			
MB 280-126223/1	1	T	13:00	X																			
280-30455-1	1	T	13:00	X																			
280-30455-1 DU	1	T	13:00	X																			
280-30455-2	1	T	13:00	X																			
280-30455-3	1	T	13:00	X																			
280-30455-4	1	T	13:00	X																			
280-30455-5	1	T	13:00	X																			
280-30455-6	1	T	13:00	X																			
280-30455-7	1	T	13:00	X																			
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
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ZZZZZZ			07:28																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2120B

Start Date: 06/27/2012 13:00 End Date: 06/30/2012 07:28

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2340C

Start Date: 07/19/2012 12:25 End Date: 07/19/2012 12:25

Lab Sample ID	D/F	Type	Time	Analytes																			
				HardCC																			
MB 280-128483/1	1	T	12:25	X																			
LCS 280-128483/2	1	T	12:25	X																			
LCSD 280-128483/3	1	T	12:25	X																			
ZZZZZZ			12:25																				
ZZZZZZ			12:25																				
ZZZZZZ			12:25																				
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ZZZZZZ			12:25																				
ZZZZZZ			12:25																				
280-30455-1	1	T	12:25	X																			
280-30455-2	1	T	12:25	X																			
280-30455-4	1	T	12:25	X																			
280-30455-5	1	T	12:25	X																			
280-30455-6	1	T	12:25	X																			
280-30455-7	1	T	12:25	X																			
ZZZZZZ			12:25																				
ZZZZZZ			12:25																				
ZZZZZZ			12:25																				
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ZZZZZZ			12:25																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2340C

Start Date: 07/19/2012 12:25 End Date: 07/19/2012 12:25

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/27/2012 10:46 End Date: 06/28/2012 09:26

Lab Sample ID	D/F	Type	Time	Analytes																			
				Br	Cl-	F	SO4																
ZZZZZZ			10:46																				
ZZZZZZ			11:03																				
ZZZZZZ			11:20																				
ZZZZZZ			11:36																				
ZZZZZZ			12:15																				
ZZZZZZ			12:32																				
ZZZZZZ			12:49																				
ZZZZZZ			13:06																				
ICV 280-125972/9	1		13:39	X	X	X	X																
ICB 280-125972/10	1		13:56	X	X	X	X																
ZZZZZZ			14:13																				
MRL 280-125972/12	1	T	14:30	X	X	X	X																
LCS 280-125972/13	1	T	14:46	X	X	X	X																
LCSD 280-125972/14	1	T	15:03	X	X	X	X																
MB 280-125972/15	1	T	15:20	X	X	X	X																
ZZZZZZ			15:37																				
280-30455-1	1	T	15:54	X	X	X	X																
280-30455-2	1	T	16:10	X	X	X	X																
280-30455-3	1	T	16:27	X	X	X	X																
280-30455-4	1	T	16:44	X	X	X	X																
280-30455-5	1	T	17:01	X	X	X	X																
280-30455-6	1	T	17:18	X	X	X	X																
280-30455-7	1	T	17:35	X	X	X	X																
ZZZZZZ			17:52																				
ZZZZZZ			18:08																				
CCV 280-125972/26	1		19:33	X	X	X	X																
CCB 280-125972/27	1		19:49	X	X	X	X																
ZZZZZZ			20:06																				
ZZZZZZ			20:23																				
ZZZZZZ			20:40																				
ZZZZZZ			20:57																				
ZZZZZZ			21:13																				
ZZZZZZ			21:30																				
ZZZZZZ			21:47																				
ZZZZZZ			22:04																				
ZZZZZZ			22:21																				
ZZZZZZ			22:37																				
CCV 280-125972/38	1		22:54	X	X	X	X																
CCB 280-125972/39	1		23:11	X	X	X	X																
ZZZZZZ			23:28																				
ZZZZZZ			23:45																				
ZZZZZZ			00:01																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/27/2012 10:46 End Date: 06/28/2012 09:26

Lab Sample ID	D / F	Type	Time	Analytes																			
				Br	Cl-	F	SO4																
ZZZZZZ			00:18																				
ZZZZZZ			00:35																				
ZZZZZZ			00:52																				
ZZZZZZ			01:09																				
ZZZZZZ			01:25																				
ZZZZZZ			01:42																				
ZZZZZZ			01:59																				
CCV 280-125972/50	1		02:16	X	X	X	X																
CCB 280-125972/51	1		02:33	X	X	X	X																
ZZZZZZ			02:49																				
ZZZZZZ			03:06																				
ZZZZZZ			03:23																				
ZZZZZZ			03:40																				
ZZZZZZ			03:57																				
ZZZZZZ			04:13																				
ZZZZZZ			04:30																				
ZZZZZZ			04:47																				
ZZZZZZ			05:04																				
ZZZZZZ			05:21																				
CCV 280-125972/62			05:37																				
CCB 280-125972/63			05:54																				
ZZZZZZ			06:18																				
ZZZZZZ			06:35																				
ZZZZZZ			06:51																				
ZZZZZZ			07:08																				
ZZZZZZ			07:25																				
ZZZZZZ			07:42																				
ZZZZZZ			07:59																				
CCV 280-125972/71			08:15																				
CCB 280-125972/72			08:35																				
ZZZZZZ			08:52																				
ZZZZZZ			09:09																				
ZZZZZZ			09:26																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/27/2012 10:46 End Date: 06/28/2012 09:26

Lab Sample ID	D/F	Type	Time	Analytes																			
				N-No2	NNO32	NO3	Orthop																
ZZZZZZ			10:46																				
ZZZZZZ			11:03																				
ZZZZZZ			11:20																				
ZZZZZZ			11:36																				
ZZZZZZ			12:15																				
ZZZZZZ			12:32																				
ZZZZZZ			12:49																				
ZZZZZZ			13:06																				
ICV 280-125973/9	1		13:39	X		X	X																
ICB 280-125973/10	1		13:56	X		X	X																
MRL 280-125973/11	1	T	14:13				X																
MRL 280-125973/12	1	T	14:30	X		X																	
LCS 280-125973/13	1	T	14:46	X		X	X																
LCSD 280-125973/14	1	T	15:03	X		X	X																
MB 280-125973/15	1	T	15:20	X	X	X	X																
ZZZZZZ			15:37																				
280-30455-1	1	T	15:54	X	X	X	X																
280-30455-2	1	T	16:10	X	X	X	X																
280-30455-3	1	T	16:27	X	X	X	X																
280-30455-4	1	T	16:44	X	X	X	X																
280-30455-5	1	T	17:01	X	X	X	X																
280-30455-6	1	T	17:18	X	X	X	X																
280-30455-7	1	T	17:35	X	X	X	X																
ZZZZZZ			17:52																				
ZZZZZZ			18:08																				
CCV 280-125973/26	1		19:33	X		X	X																
CCB 280-125973/27	1		19:49	X		X	X																
ZZZZZZ			20:06																				
ZZZZZZ			20:23																				
ZZZZZZ			20:40																				
ZZZZZZ			20:57																				
ZZZZZZ			21:13																				
ZZZZZZ			21:30																				
ZZZZZZ			21:47																				
ZZZZZZ			22:04																				
ZZZZZZ			22:21																				
ZZZZZZ			22:37																				
CCV 280-125973/38			22:54																				
CCB 280-125973/39			23:11																				
ZZZZZZ			23:28																				
ZZZZZZ			23:45																				
ZZZZZZ			00:01																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/27/2012 10:46 End Date: 06/28/2012 09:26

Lab Sample ID	D / F	Type	Time	Analytes																				
				N-No2	NNO32	NO3	Orthop																	
ZZZZZZ			00:18																					
ZZZZZZ			00:35																					
ZZZZZZ			00:52																					
ZZZZZZ			01:09																					
ZZZZZZ			01:25																					
ZZZZZZ			01:42																					
ZZZZZZ			01:59																					
CCV 280-125973/50			02:16																					
CCB 280-125973/51			02:33																					
ZZZZZZ			02:49																					
ZZZZZZ			03:06																					
ZZZZZZ			03:23																					
ZZZZZZ			03:40																					
ZZZZZZ			03:57																					
ZZZZZZ			04:13																					
ZZZZZZ			04:30																					
ZZZZZZ			04:47																					
ZZZZZZ			05:04																					
ZZZZZZ			05:21																					
CCV 280-125973/62	1		05:37	X		X	X																	
CCB 280-125973/63	1		05:54	X		X	X																	
ZZZZZZ			06:18																					
ZZZZZZ			06:35																					
ZZZZZZ			06:51																					
ZZZZZZ			07:08																					
ZZZZZZ			07:25																					
ZZZZZZ			07:42																					
ZZZZZZ			07:59																					
CCV 280-125973/71	1		08:15	X		X	X																	
CCB 280-125973/72	1		08:35	X		X	X																	
ZZZZZZ			08:52																					
ZZZZZZ			09:09																					
ZZZZZZ			09:26																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060A

Start Date: 07/18/2012 19:41 End Date: 07/19/2012 14:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOCQ																			
ICV 280-128577/1	1		19:41	X																			
ICB 280-128577/2	1		20:00	X																			
ZZZZZZ			20:17																				
ZZZZZZ			20:35																				
ZZZZZZ			20:54																				
ZZZZZZ			21:10																				
ZZZZZZ			21:28																				
ZZZZZZ			21:46																				
LCS 280-128577/9	1	T	22:05	X																			
LCSD 280-128577/10	1	T	22:23	X																			
MB 280-128577/11	1	T	22:43	X																			
ZZZZZZ			23:04																				
ZZZZZZ			23:20																				
ZZZZZZ			23:38																				
280-30455-1	1	T	23:56	X																			
CCV 280-128577/16	1		00:13	X																			
CCB 280-128577/17	1		00:33	X																			
280-30455-2	1	T	00:52	X																			
280-30455-4	1	T	01:07	X																			
280-30455-5	1	T	01:25	X																			
280-30455-6	1	T	01:41	X																			
280-30455-7	1	T	02:00	X																			
ZZZZZZ			02:15																				
ZZZZZZ			02:45																				
ZZZZZZ			03:07																				
ZZZZZZ			03:33																				
ZZZZZZ			03:51																				
CCV 280-128577/28	1		04:10	X																			
CCB 280-128577/29	1		04:31	X																			
ZZZZZZ			04:48																				
ZZZZZZ			05:07																				
ZZZZZZ			05:23																				
ZZZZZZ			05:41																				
ZZZZZZ			06:02																				
ZZZZZZ			06:20																				
ZZZZZZ			06:39																				
ZZZZZZ			06:58																				
ZZZZZZ			07:13																				
ZZZZZZ			07:32																				
CCV 280-128577/40			07:48																				
CCB 280-128577/41			08:09																				
ZZZZZZ			08:27																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060A

Start Date: 07/18/2012 19:41 End Date: 07/19/2012 14:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOCQ																			
ZZZZZZ			08:45																				
ZZZZZZ			09:03																				
ZZZZZZ			09:18																				
ZZZZZZ			09:34																				
ZZZZZZ			09:52																				
ZZZZZZ			10:09																				
ZZZZZZ			10:27																				
ZZZZZZ			10:48																				
CCV 280-128577/51			11:06																				
CCB 280-128577/52			11:24																				
ZZZZZZ			11:39																				
ZZZZZZ			12:12																				
ZZZZZZ			12:59																				
ZZZZZZ			13:45																				
CCV 280-128577/57			14:13																				
CCB 280-128577/58			14:30																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: WC-AT3 Method: SM 2320B

Start Date: 07/02/2012 10:16 End Date: 07/02/2012 16:06

Lab Sample ID	D/F	Type	Time	Analytes																			
				Alk																			
RINSE 280-126467/1			10:16																				
ZZZZZZ			10:24																				
ZZZZZZ			10:29																				
LCS 280-126467/4	1	T	10:34	X																			
LCSD 280-126467/5	1	T	10:39	X																			
MB 280-126467/6	1	T	10:42	X																			
ZZZZZZ			10:47																				
ZZZZZZ			10:52																				
ZZZZZZ			10:56																				
ZZZZZZ			11:00																				
ZZZZZZ			11:06																				
ZZZZZZ			11:12																				
ZZZZZZ			11:17																				
ZZZZZZ			11:21																				
ZZZZZZ			11:26																				
ZZZZZZ			11:31																				
CCV 280-126467/17	1		11:36	X																			
CCB 280-126467/18	1		11:40	X																			
ZZZZZZ			11:45																				
ZZZZZZ			11:49																				
ZZZZZZ			11:54																				
280-30455-1	1	T	11:59	X																			
280-30455-2	1	T	12:03	X																			
280-30455-3	1	T	12:09	X																			
280-30455-4	1	T	12:14	X																			
280-30455-5	1	T	12:19	X																			
280-30455-6	1	T	12:24	X																			
280-30455-7	1	T	12:27	X																			
CCV2 280-126467/29	1		12:33	X																			
CCB2 280-126467/30	1		12:37	X																			
ZZZZZZ			12:42																				
ZZZZZZ			12:47																				
ZZZZZZ			12:50																				
ZZZZZZ			12:55																				
ZZZZZZ			13:00																				
ZZZZZZ			13:05																				
ZZZZZZ			13:10																				
ZZZZZZ			13:14																				
ZZZZZZ			13:19																				
ZZZZZZ			13:25																				
CCV3 280-126467/41			13:30																				
CCB3 280-126467/42			13:34																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: WC-AT3 Method: SM 2320B

Start Date: 07/02/2012 10:16 End Date: 07/02/2012 16:06

Lab Sample ID	D / F	Type	Time	Analytes																			
				Alk																			
ZZZZZZ			13:38																				
ZZZZZZ			13:42																				
ZZZZZZ			13:46																				
ZZZZZZ			13:51																				
ZZZZZZ			13:56																				
ZZZZZZ			14:01																				
ZZZZZZ			14:05																				
ZZZZZZ			14:14																				
ZZZZZZ			14:22																				
ZZZZZZ			14:31																				
CCV4 280-126467/53			14:36																				
CCB4 280-126467/54			14:40																				
ZZZZZZ			14:49																				
ZZZZZZ			14:57																				
ZZZZZZ			15:07																				
ZZZZZZ			15:12																				
CCV5 280-126467/59			15:17																				
CCB5 280-126467/60			15:21																				
ZZZZZZ			15:27																				
ZZZZZZ			15:32																				
ZZZZZZ			15:36																				
ZZZZZZ			15:41																				
ZZZZZZ			15:46																				
ZZZZZZ			15:51																				
ZZZZZZ			15:59																				
CCV6 280-126467/68			16:04																				
CCB6 280-126467/69			16:06																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2540C

Start Date: 07/02/2012 10:13 End Date: 07/02/2012 10:13

Lab Sample ID	D / F	Type	Time	Analytes																			
				TDS																			
MB 280-126308/1	1	T	10:13	X																			
LCS 280-126308/2	1	T	10:13	X																			
LCSD 280-126308/3	1	T	10:13	X																			
ZZZZZZ			10:13																				
ZZZZZZ			10:13																				
ZZZZZZ			10:13																				
ZZZZZZ			10:13																				
280-30455-1	1	T	10:13	X																			
280-30455-2	1	T	10:13	X																			
280-30455-3	1	T	10:13	X																			
280-30455-4	1	T	10:13	X																			
280-30455-5	1	T	10:13	X																			
280-30455-6	1	T	10:13	X																			
280-30455-7	1	T	10:13	X																			
ZZZZZZ			10:13																				
ZZZZZZ			10:13																				
ZZZZZZ			10:13																				
ZZZZZZ			10:13																				
ZZZZZZ			10:13																				
ZZZZZZ			10:13																				
ZZZZZZ			10:13																				
ZZZZZZ			10:13																				
ZZZZZZ			10:13																				
ZZZZZZ			10:13																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: NOEQUIP Method: SM5210B

Start Date: 06/27/2012 06:59 End Date: 06/27/2012 13:15

Lab Sample ID	D / F	Type	Time	Analytes																			
				BOD																			
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
SCB 280-125739/9	1	T	06:59	X																			
USB 280-125739/10	1	T	06:59	X																			
ZZZZZZ			06:59																				
LCS 280-125739/12	1	T	06:59	X																			
LCSD 280-125739/13	1	T	06:59	X																			
MB 280-125739/14	1	T	06:59	X																			
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
280-30455-5	1	T	06:59	X																			
280-30455-6	1	T	06:59	X																			
280-30455-7	1	T	06:59	X																			
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			06:59																				
ZZZZZZ			07:15																				
ZZZZZZ			07:15																				
ZZZZZZ			07:20																				
ZZZZZZ			07:22																				
ZZZZZZ			07:23																				
ZZZZZZ			07:24																				
ZZZZZZ			07:25																				
ZZZZZZ			07:28																				
ZZZZZZ			07:30																				
ZZZZZZ			07:31																				
ZZZZZZ			07:38																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Instrument ID: NOEQUIP Method: SM5210B

Start Date: 06/27/2012 06:59 End Date: 06/27/2012 13:15

Lab Sample ID	D / F	Type	Time	Analytes																				
				BOD																				
ZZZZZZ			07:38																					
ZZZZZZ			12:27																					
ZZZZZZ			12:27																					
ZZZZZZ			12:28																					
ZZZZZZ			12:29																					
ZZZZZZ			12:30																					
ZZZZZZ			12:35																					
ZZZZZZ			12:40																					
ZZZZZZ			12:43																					
ZZZZZZ			12:47																					
ZZZZZZ			12:50																					
ZZZZZZ			12:53																					
ZZZZZZ			12:57																					
ZZZZZZ			13:00																					
ZZZZZZ			13:05																					
280-30455-1	5	T	13:08	X																				
280-30455-2	1	T	13:10	X																				
280-30455-4	1	T	13:15	X																				

Prep Types

T = Total/NA

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: NH3 **SOP #** DV-WC-0040

Instrument: Alpk 2 **Analyst:** Brett Wolff **Analysis Date:** 7/9/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30777	AQ	N/A	127015	350.1	N/A
280-30780 547 BW 7/9/12					
280-30748					
280-30751					
280-30753					
280-30779					
280-30425					
280-30455					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	—			—
2. Correlation coefficient ≥ 0.995 ?	—			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	—			—
4. ICB analyzed immediately after the ICV & results < the RL	—			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	—			—
6. CCB analyzed after every CCV & results < RL?	—			—
7. Absolute value of the intercept is < ± ½ the RL?	—			—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	—			—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	—			—
3. All reported results bracketed by in control CCV results?	—			—
4. Sample analyses done within holding time?	—			—
5. Initial pH check documented for all samples? (If Applicable)	—			—
6. Preparation benchsheet completed and included in package?	—			—
7. Client requirements reviewed and met?	—			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	—			—
9. Do the prep and analysis dates in TALS reflect the actual dates?	—			—
11. Raw data copies prepared, scanned, and uploaded?	—			—
12. Manual integrations done properly and initialed and dated?			—	—
13. STD/True Value information is updated and included?	—			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	—			—
2. Method blank < ½ RL or NCM provided?	—			—
3. LCS/LCSD run for batch and within QC limits?	—			—
4. MS/MSD run at required frequency and within limits or NCM written?		—		—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?	—			—

Analyst: [signature] **Date:** 7/9/12

2nd Level Reviewer : [signature] **Date:** 7/10/12

Peak Table:Ammonia

File name: C:\FLOW_4\0709NXNX.RST
Date: 09-Jul-12
Operator: BQW

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
1	107	SYNC	1	SYNC	1	1	1938960	9948.454102	
2	0	Carryover	1	CO	1	1	3162	52.798283	
3	0	Carryover	2	CO	1	1	456	38.633358	
B	0	read baseline	1	RB	1	1	0	36.245617	BL
5	101	Cal 0.00 ppb	1	C	1	1	233	37.466003	
6	102	Cal 50.0 ppb	1	C	1	1	6419	69.839844	
7	103	Cal 100 ppb	1	C	1	1	11612	97.014893	
8	104	Cal 500 ppb	1	C	1	1	79657	452.789032	
9	105	Cal 1000 ppb	1	C	1	1	181241	982.840210	
10	106	Cal 5000 ppb	1	C	1	1	961937	5012.988770	
11	107	Cal 10000 ppb	1	C	1	1	1948704	9997.070312	
12	0	blk	1	BLNK	1	1	-713	32.514515	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
14	108	5000 PPB NO2	1	U	1	1	304	37.836933	
15	109	ICV 2000 PPB	1	CCV	1	1	366409	1945.670044	
16	110	ICV 5000 PPB	1	CCV	1	1	946906	4936.117676	
17	0	ICB	1	U	1	1	210	37.345745	
18	111	MRL	1	U	1	1	12859	103.542015	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
20	113	MB	1	U	1	1	355	38.104996	
21	106	LCS	1	U	1	1	978006	5095.135742	
22	106	LCSD	1	U	1	1	962891	5017.865723	
23	114	280-30380-c-1	1	U	1	1	16348	121.795921	
24	115	280-30380-c-2	1	U	1	1	11760	97.793594	
25	116	280-30380-c-6	1	U	1	1	20948	145.865143	
26	117	RINSE	1	U	1	1	323	37.935547	
27	118	280-30777-c-1	1	U	1	1	5355	64.271873	
28	119	280-30777-c-1 MS 1		U	1	1	376855	1999.854126	
29	120	280-30777-c-1 MSD 1		U	1	1	367134	1949.428345	
B	0	read baseline	1	RB	1	1	0	36.245617	BL
31	0	rinse	1	U	1	1	-150	35.461170	
32	106	5000 PPB CCV	1	CCV	1	1	966868	5038.200195	
33	105	CCV 1000PPB	1	CCV	1	1	183380	993.984070	
34	0	CCB	1	U	1	1	585	39.306496	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
36	121	280-30777-c-2	1	U	1	1	7597	76.007477	
37	122	280-30777-c-2 MS 1		U	1	1	332994	1772.236328	
38	123	280-30777-c-2 MSD 1		U	1	1	334304	1779.041016	
39	124	280-30777-c-3	1	U	1	1	5149	63.195107	
40	125	280-30777-c-4	1	U	1	1	6137	68.367035	
41	126	280-30777-c-5	1	U	1	1	5850	66.862045	
42	127	280-30777-d-6	1	U	1	1	4667	60.670704	
43	128	280-30777-c-7	1	U	1	1	5419	64.610245	
44	129	280-30777-d-8	1	U	1	1	5231	63.626305	
45	130	280-30777-c-9	1	U	1	1	5249	63.719631	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
47	0	RINSE	1	U	1	1	131	36.931931	
48	106	5000 PPB CCV	1	CCV	1	1	961067	5008.537598	
49	105	CCV 1000PPB	1	CCV	1	1	184707	1000.900330	
50	0	CCB	1	U	1	1	848	40.686668	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
52	131	280-30777-d-10	1	U	1	1	7728	76.691742	
53	132	280-30777-c-11	1	U	1	1	6132	68.337151	
54	133	280-30547-b-8	1	U	1	1	25496	169.659378	
55	134	280-30547-b-9	1	U	1	1	25970	172.136520	
56	135	280-30547-b-10	1	U	1	1	35913	224.144547	
57	136	280-30547-b-11	1	U	1	1	20318	142.570633	
58	137	280-30547-b-12	1	U	1	1	65807	380.424500	
59	138	280-30748-b-10	1	U	1	1	145089	794.351562	
60	139	280-30748-b-14	1	U	1	1	121455	671.043579	
61	140	280-30751-d-1	1	U	1	1	5220	63.565220	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
63	0	RINSE	1	U	1	1	-297	34.689819	
64	106	5000 PPB CCV	1	CCV	1	1	966192	5034.742676	
65	105	CCV 1000PPB	1	CCV	1	1	184495	999.797119	
66	0	CCB	1	U	1	1	1170	42.369041	
B	0	RB	1	RB	1	1	0	36.245617	BL
68	141	280-30751-d-2	1	U	1	1	10456	90.966095	
69	142	MBX	1	U	1	1	3295	53.491596	
70	106	LCS	1	U	1	1	964264	5024.882324	
71	106	LCSD	1	U	1	1	965555	5031.487793	
72	143	280-30751-d-3	1	U	1	1	12597	102.171341	
73	144	280-30751-d-3 MS 1		U	1	1	387246	2053.744385	
74	145	280-30751-d-3 MSD 1		U	1	1	390990	2073.155762	
75	146	280-30751-d-4	1	U	1	1	2435	48.992802	

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
76	147	280-30751-d-4 MS 1		U	1	1	413353	2189.080811	
77	148	280-30751-d-4 MSD 1		U	1	1	400133	2120.561279	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
79	0	RINSE	1	U	1	1	-530	33.469944	
80	106	5000 PPB CCV	1	CCV	1	1	954694	4975.948242	
81	105	CCV 1000PPB	1	CCV	1	1	185025	1002.558105	
82	0	CCB	1	U	1	1	1071	41.852047	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
84	149	280-30751-d-5	1	U	1	1	7006	72.915207	
85	150	280-30751-d-6	1	U	1	1	3577	54.969669	
86	151	280-30751-d-7	1	U	1	1	5563	65.363251	
87	152	280-30751-d-8	1	U	1	1	3668	55.444225	
88	153	280-30751-d-9	1	U	1	1	5719	66.180229	
89	154	280-30751-d-10	1	U	1	1	5019	62.513275	
90	155	280-30751-d-11	1	U	1	1	4849	61.627071	
91	156	280-30751-d-12	1	U	1	1	6034	67.824982	
92	157	280-30753-c-1	1	U	50	1	1662018	428084.187500	
93	158	280-30779-d-1	1	U	1	1	2768	50.731659	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
95	0	RINSE	1	U	1	1	-76	35.846989	
96	106	5000 PPB CCV	1	CCV	1	1	963533	5021.145508	
97	105	CCV 1000PPB	1	CCV	1	1	189197	1024.295532	
98	0	CCB	1	U	1	1	842	40.654064	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
100	159	280-30779-d-2	1	U	1	1	8541	80.949341	
101	160	280-30779-d-3	1	U	1	1	5490	64.977646	
102	201	280-30779-d-4	1	U	1	1	6554	70.549423	
103	202	280-30779-d-5	1	U	1	1	5681	65.979668	
104	203	280-30779-d-6	1	U	1	1	5948	67.374779	
105	204	280-30425-d-1	1	U	1	1	33391	210.950867	
106	205	280-30425-d-2	1	U	1	1	138446	759.700500	
107	206	280-30425-d-3	1	U	1	1	76337	435.445099	
108	207	MB	1	U	1	1	2339	48.485901	
109	208	MB	1	U	1	1	1901	46.198040	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
111	0	RINSE	1	U	1	1	-99	35.728321	
112	106	5000 PPB CCV	1	CCV	1	1	980242	5106.560547	
113	105	CCV 1000PPB	1	CCV	1	1	190358	1030.344849	
114	0	CCB	1	U	1	1	741	40.123718	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
116	0	RINSE	1	U	1	1	-369	34.316574	
117	106	LCS	1	U	1	1	968460	5046.334473	
118	106	LCSD	1	U	1	1	966973	5038.736816	
119	209	280-30425-l-4	1	U	1	1	14581	112.551842	
120	210	280-30425-l-4 MS 1		U	1	1	327130	1741.788940	
121	211	280-30425-l-4 MSD 1		U	1	1	324484	1728.045288	
122	212	280-30425-d-5	1	U	1	1	14381	111.507385	
123	213	280-30425-d-6	1	U	1	1	8844	82.531372	
124	214	280-30425-d-7	1	U	1	1	35014	219.441757	
125	215	280-30425-d-8	1	U	1	1	8045	78.353203	
126	216	280-30455-d-1	1	U	1	1	17148	125.985046	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
128	0	RINSE	1	U	1	1	-147	35.477154	
129	106	5000 PPB CCV	1	CCV	1	1	988487	5148.693359	
130	105	CCV 1000PPB	1	CCV	1	1	193223	1045.272339	
131	0	CCB	1	U	1	1	446	38.582542	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL
133	0	RINSE	1	U	1	1	-378	34.264854	
134	217	280-30455-d-1 MS 1		U	1	1	322010	1715.197998	
135	218	280-30455-d-1 MSD 1		U	1	1	321894	1714.595215	
136	219	280-30455-d-2	1	U	1	1	18323	132.132385	
137	220	280-30455-d-4	1	U	1	1	5187	63.396618	
138	221	280-30455-d-5	1	U	1	1	111275	617.905579	
139	222	280-30455-d-6	1	U	1	1	7977	77.996841	
140	223	280-30455-d-7	1	U	1	1	12867	103.586304	
141	224	RINSE	1	U	1	1	2775	50.770813	
142	225	RINSE	1	U	1	1	3600	55.090168	
143	226	RINSE	1	U	1	1	4284	58.667187	
B	0	READ	1	RB	1	1	0	36.245617	BL
145	0	RINSE	1	U	1	1	-186	35.272022	
146	106	5000 PPB CCV	1	CCV	1	1	959411	5000.068848	
147	105	CCV 1000PPB	1	CCV	1	1	183942	996.912109	
148	0	CCB	1	U	1	1	1118	42.098064	
B	0	READ BASELINE	1	RB	1	1	0	36.245617	BL

Ammonia:Calibration 1: Peak 5-152

File name: C:\FLOW_4\0709NXNX.RST
Date: 09-Jul-12
Operator: BQW

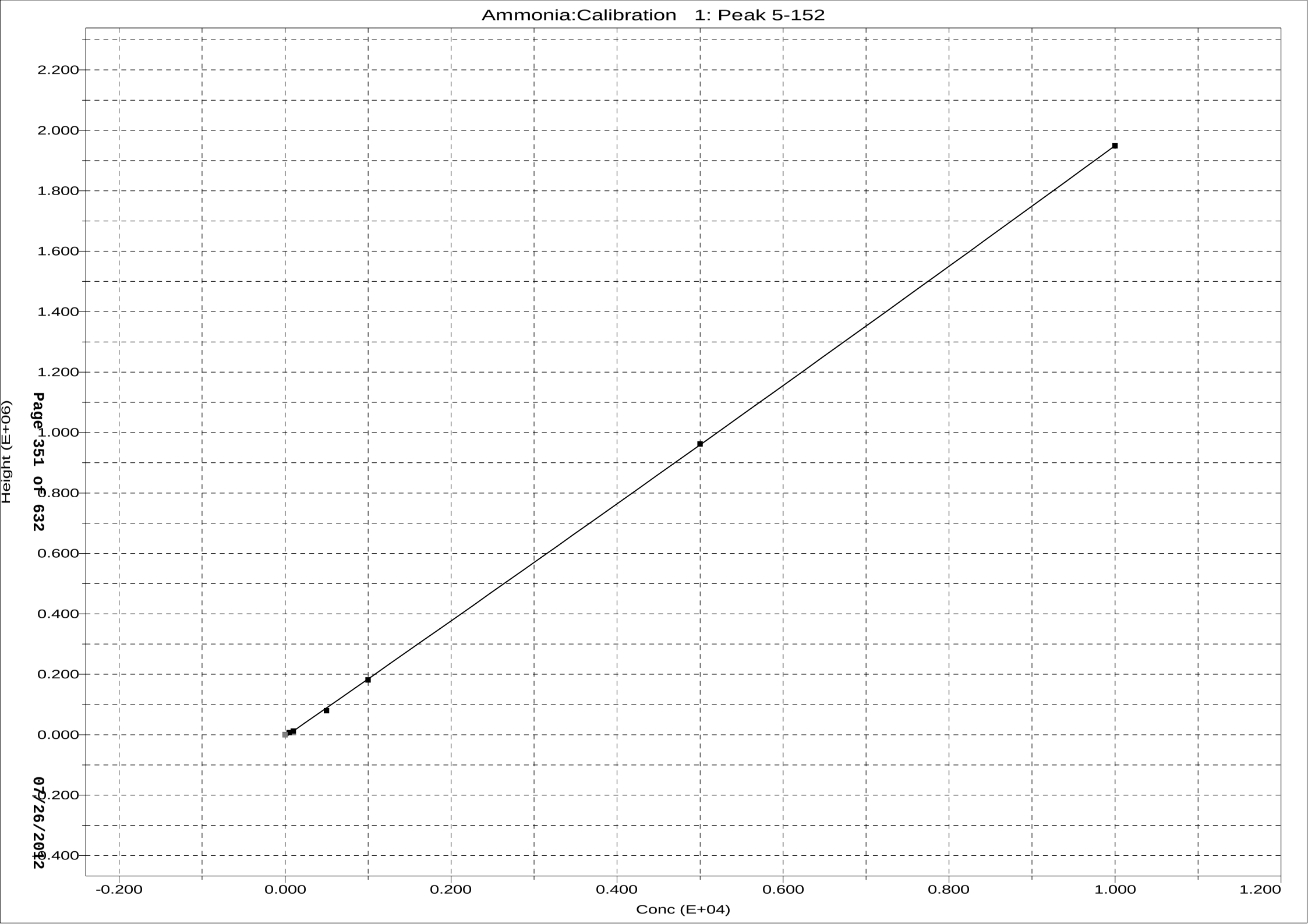
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*	Cal 50.0 ppb	50.000000	6418.643066
*	Cal 100 ppb	100.000000	11611.539062
*	Cal 500 ppb	500.000000	79656.609375
*	Cal 1000 ppb	1000.000000	181241.359375
*	Cal 5000 ppb	5000.000000	961937.375000
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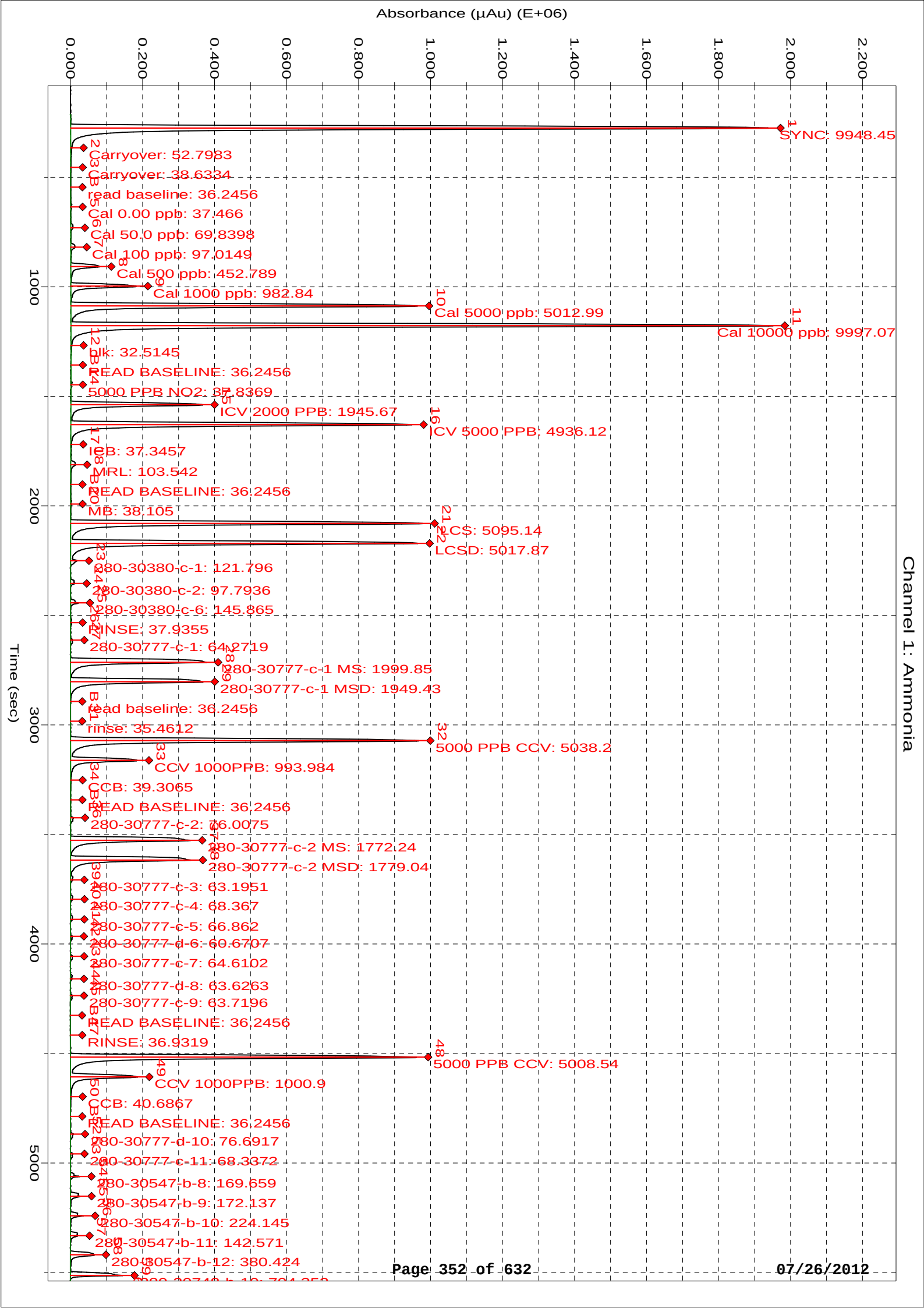
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b: 5.2343e-03
c: -6.2987e-11

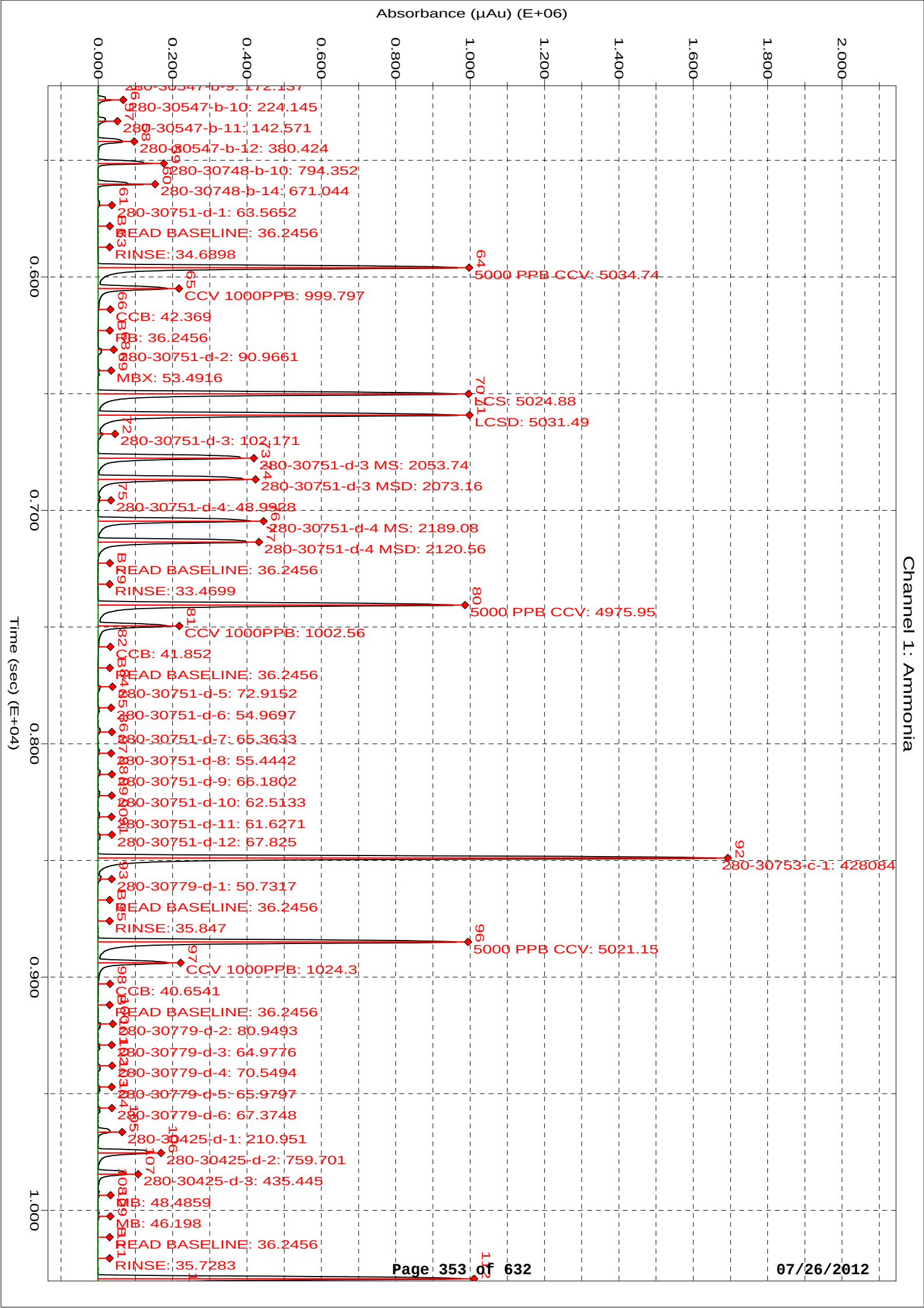
Corr Coef: 0.999974

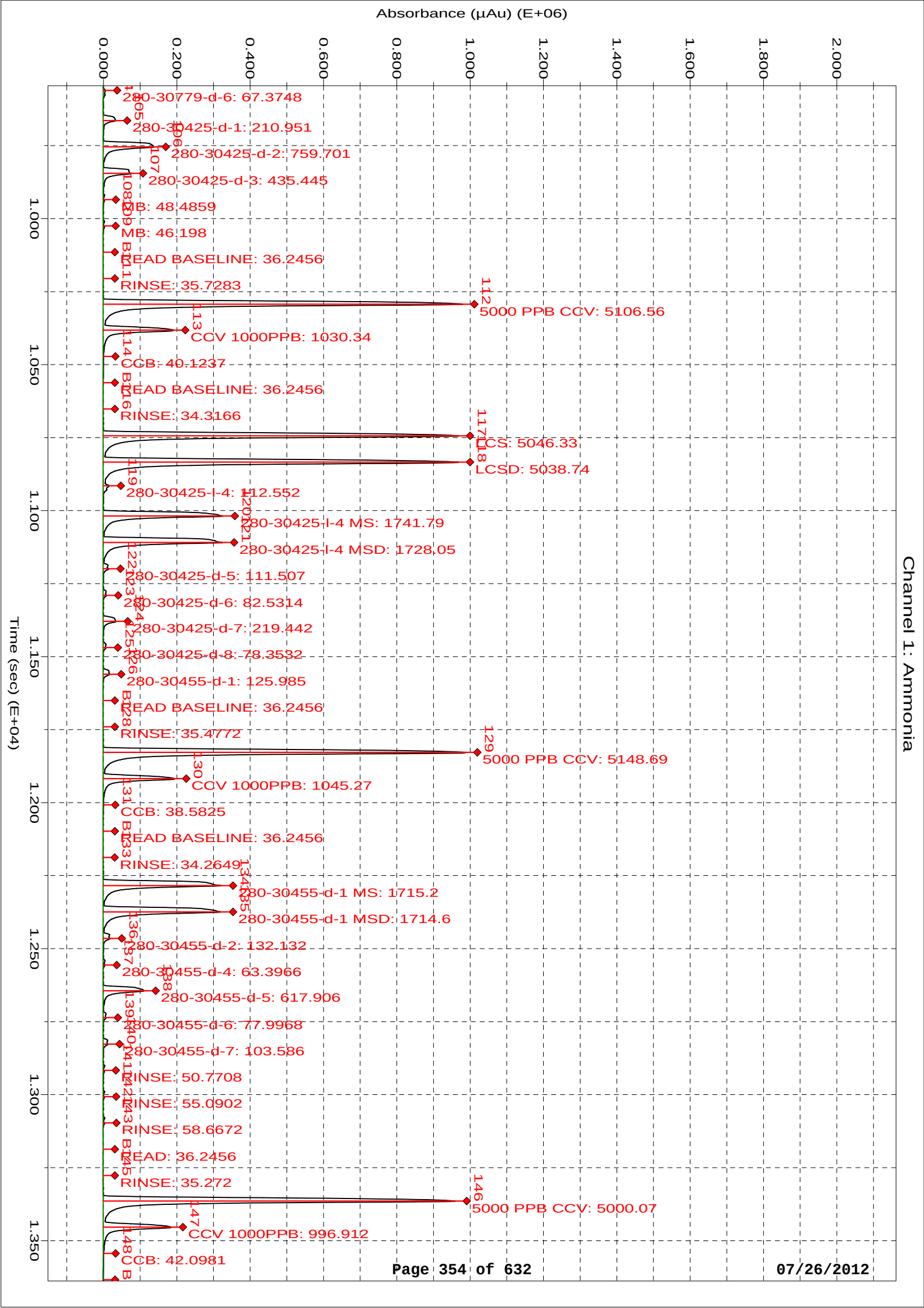
Carryover: 0.163%

No Drift Peaks


Ammonia:Calibration 1: Peak 5-152
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
Height (E+06)
-0.200
0.000
0.200
0.400
0.600
0.800
1.000
1.200
Conc (E+04)


Absorbance (µAu) (E+06)
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
2.200
Time (sec)
1000
2000
3000
4000
5000
Channel 1: Ammonia
1 SYNC: 9948.45
2 Carryover: 52.7983
3 Carryover: 38.6334
4 read baseline: 36.2456
5 Cal 0.00 ppb: 37.466
6 Cal 50.0 ppb: 69.8398
7 Cal 100 ppb: 97.0149
8 Cal 500 ppb: 452.789
9 Cal 1000 ppb: 982.84
10 Cal 5000 ppb: 5012.99
11 Cal 10000 ppb: 9997.07
12 blk: 32.5145
13 READ BASELINE: 36.2456
14 5000 PPB NO2: 37.8369
15 ICV 2000 PPB: 1945.67
16 ICV 5000 PPB: 4936.12
17 ICB: 37.3457
18 MRL: 103.542
19 READ BASELINE: 36.2456
20 MB: 38.105
21 LCS: 5095.14
22 LCSD: 5017.87
23 280-30380-c-1: 121.796
24 280-30380-c-2: 97.7936
25 280-30380-c-6: 145.865
26 RINSE: 37.9355
27 280-30777-c-1: 64.2719
28 280-30777-c-1 MS: 1999.85
29 280-30777-c-1 MSD: 1949.43
30 read baseline: 36.2456
31 rinse: 35.4612
32 5000 PPB CCV: 5038.2
33 CCV 1000PPB: 993.984
34 CCB: 39.3065
35 READ BASELINE: 36.2456
36 280-30777-c-2: 66.0075
37 280-30777-c-2 MS: 1772.24
38 280-30777-c-2 MSD: 1779.04
39 280-30777-c-3: 63.1951
40 280-30777-c-4: 68.367
41 280-30777-c-5: 66.862
42 280-30777-d-6: 60.6707
43 280-30777-c-7: 64.6102
44 280-30777-d-8: 63.6263
45 280-30777-c-9: 63.7196
46 READ BASELINE: 36.2456
47 RINSE: 36.9319
48 5000 PPB CCV: 5008.54
49 CCV 1000PPB: 1000.9
50 CCB: 40.6867
51 READ BASELINE: 36.2456
52 280-30777-d-10: 76.6917
53 280-30777-c-11: 68.3372
54 280-30547-b-8: 169.659
55 280-30547-b-9: 172.137
56 280-30547-b-10: 224.145
57 280-30547-b-11: 142.571
58 280-30547-b-12: 380.424


Absorbance (µAu) (E+06)
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
Time (sec) (E+04)
0.600
0.700
0.800
0.900
1.000
Channel 1: Ammonia
280-30547-b-10: 224.145
280-30547-b-11: 142.571
280-30547-b-12: 380.424
280-30748-b-10: 794.352
280-30748-b-14: 671.044
280-30751-d-1: 63.5652
READ BASELINE: 36.2456
RINSE: 34.6898
5000 PPB CCV: 5034.74
CCV 1000PPB: 999.797
CCB: 42.369
PB: 36.2456
280-30751-d-2: 90.9661
MBX: 53.4916
LCS: 5024.88
LCSD: 5031.49
280-30751-d-3: 102.171
280-30751-d-3 MS: 2053.74
280-30751-d-3 MSD: 2073.16
280-30751-d-4: 48.9928
280-30751-d-4 MS: 2189.08
280-30751-d-4 MSD: 2120.56
READ BASELINE: 36.2456
RINSE: 33.4699
5000 PPB CCV: 4975.95
CCV 1000PPB: 1002.56
CCB: 41.852
READ BASELINE: 36.2456
280-30751-d-5: 72.9152
280-30751-d-6: 54.9697
280-30751-d-7: 65.3633
280-30751-d-8: 55.4442
280-30751-d-9: 66.1802
280-30751-d-10: 62.5133
280-30751-d-11: 61.6271
280-30751-d-12: 67.825
280-30753-c-1: 428084
280-30779-d-1: 50.7317
READ BASELINE: 36.2456
RINSE: 35.847
5000 PPB CCV: 5021.15
CCV 1000PPB: 1024.3
CCB: 40.6541
READ BASELINE: 36.2456
280-30779-d-2: 80.9493
280-30779-d-3: 64.9776
280-30779-d-4: 70.5494
280-30779-d-5: 65.9797
280-30779-d-6: 67.3748
280-30425-d-1: 210.951
280-30425-d-2: 759.701
280-30425-d-3: 435.445
MB: 48.4859
MB: 46.198
READ BASELINE: 36.2456
RINSE: 35.7283


Absorbance (µAu) (E+06)
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
Time (sec) (E+04)
1.000
1.050
1.100
1.150
1.200
1.250
1.300
1.350
Channel 1: Ammonia
280-30779-d-6: 67.3748
280-30425-d-1: 210.951
280-30425-d-2: 759.701
280-30425-d-3: 435.445
MB: 48.4859
MB: 46.198
BREAD BASELINE: 36.2456
RINSE: 35.7283
5000 PPB CCV: 5106.56
CCV 1000PPB: 1030.34
CCB: 40.1237
BREAD BASELINE: 36.2456
RINSE: 34.3166
LCS: 5046.33
LCSD: 5038.74
280-30425-I-4: 112.552
280-30425-I-4 MS: 1741.79
280-30425-I-4 MSD: 1728.05
280-30425-d-5: 111.507
280-30425-d-6: 82.5314
280-30425-d-7: 219.442
280-30425-d-8: 78.3532
280-30455-d-1: 125.985
BREAD BASELINE: 36.2456
RINSE: 35.4772
5000 PPB CCV: 5148.69
CCV 1000PPB: 1045.27
CCB: 38.5825
BREAD BASELINE: 36.2456
RINSE: 34.2649
280-30455-d-1 MS: 1715.2
280-30455-d-1 MSD: 1714.6
280-30455-d-2: 132.132
280-30455-d-4: 63.3966
280-30455-d-5: 617.906
280-30455-d-6: 77.9968
280-30455-d-7: 103.586
RINSE: 50.7708
RINSE: 55.0902
RINSE: 58.6672
BREAD: 36.2456
RINSE: 35.272
5000 PPB CCV: 5000.07
CCV 1000PPB: 996.912
CCB: 42.0981

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TKN/351.2 **SOP #** DV-WC-0026

Instrument: ASTORIA **Analyst:** MWOODLEY **Analysis Date:** 7/19/2012

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
308361-11	WATER	127958	128608	351.2	N/A
30753-1	↓	↓	↓	↓	RECHECK
31069-1	↓	↓	↓	↓	N/A
30425 1-4, 4MS/MSD, 5-8	↓	128145	↓	↓	Q4
30865 1,3 / 30878 1-3	↓	↓	↓	↓	N/A
30862-1	↓	↓	↓	↓	↓
30455 1,2,4-7	↓	128384	↓	↓	Q4
30879 1-3	↓	↓	↓	↓	↓

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			✓
2. Correlation coefficient ≥ 0.995 ?	✓			✓
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			✓
4. ICB analyzed immediately after the ICV & results < the RL	✓			✓
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			✓
6. CCB analyzed after every CCV & results < RL?	✓			✓
7. Absolute value of the intercept is < ± ½ the RL?	✓			✓
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			✓
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			✓
3. All reported results bracketed by in control CCV results?	✓			✓
4. Sample analyses done within holding time?	✓			✓
5. Initial pH check documented for all samples? (If Applicable)	✓			✓
6. Preparation benchsheet completed and included in package?	✓			✓
7. Client requirements reviewed and met?	✓			✓
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	✓
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
11. Raw data copies prepared, scanned, and uploaded?	✓			✓
12. Manual integrations done properly and initialed and dated?			✓	✓
13. STD/True Value information is updated and included?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. MS/MSD run at required frequency and within limits or NCM written?	✓			✓
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	✓

Analyst: [signature] **Date:** 7/20/2012

2nd Level Reviewer : [signature] **Date:** 7/20/12

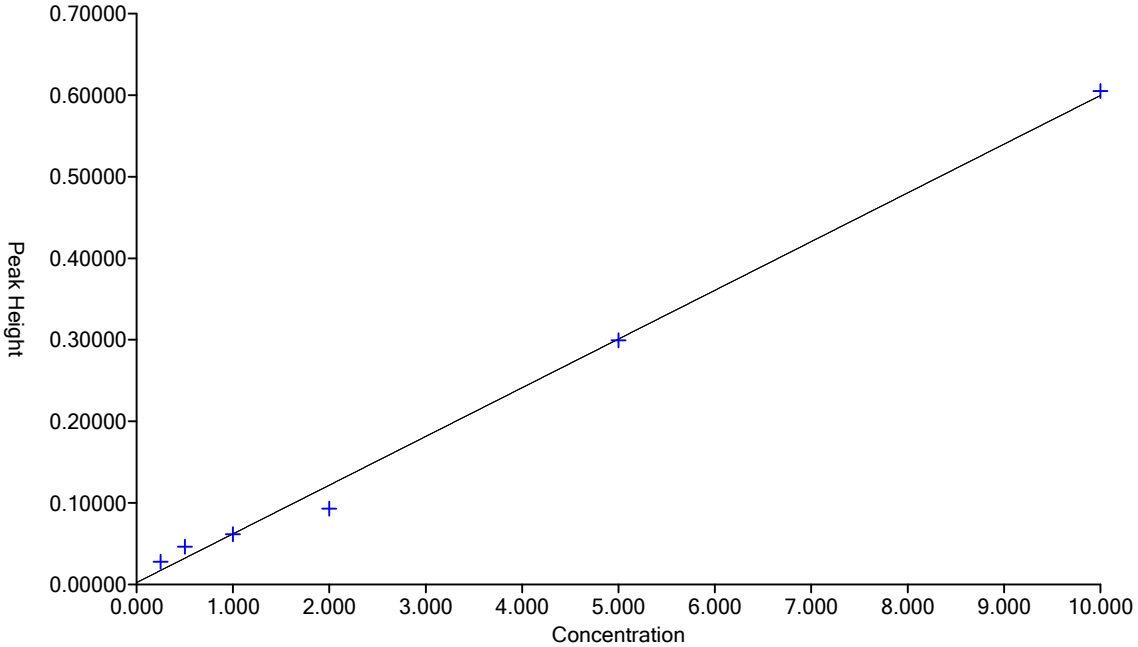
Run Name: 071912TKN
Configuration: TKN
Run date: 7/19/2012

Analyst:
ICV/CCV TV:
LCS/MS TV:

Astoria
TKN
351.2

	Positi	Identifier	Type	Comm	Date	Time	Total	TKN Cor Ht	TKN mg/l
1	1:1	SYNC	SYNC	50;351	7/19/2012	10:01:47	1	0.59533	9.930
2	1:2	CO	Carry over		7/19/2012	10:02:17	1	0.00090	-0.022
3	1:3	w	Blank		7/19/2012	10:03:32	1	0.00001	-0.037
4	1:4	W	Wash		7/19/2012	10:04:48	1	0.00000	-0.037
5	1:5	C1	Calibrant		7/19/2012	10:06:03	1	0.02801	0.432
6	1:6	C2	Calibrant		7/19/2012	10:07:18	1	0.04614	0.735
7	1:7	C3	Calibrant		7/19/2012	10:08:34	1	0.06179	0.997
8	1:8	C4	Calibrant		7/19/2012	10:09:49	1	0.09294	1.519
9	1:9	C5	Calibrant		7/19/2012	10:11:04	1	0.29923	4.972
10	1:10	C6	Calibrant		7/19/2012	10:12:20	1	0.60515	10.094
		Curve #:							1
		Curve Type:							Linear
		Correlation:							0.99771
		Intercept:							0.0022135
		Linear coef:							0.059733

Calibration for TKN



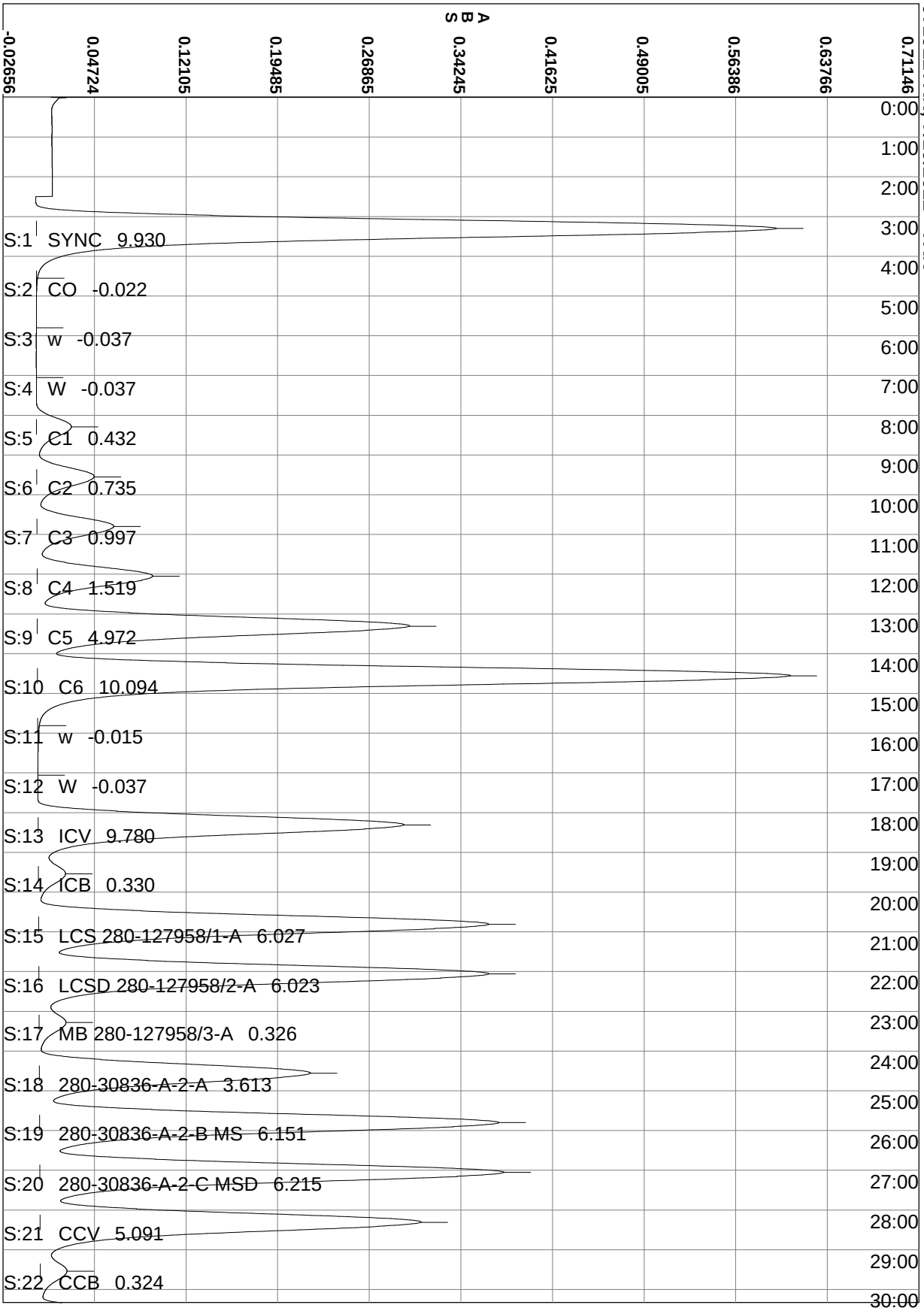
Segment 1: Equation: y = 0.05973x + 0.002213
Correlation: 0.9977
X Range = 0.000 to 10.000
Y Range = 0.00000 to 7.20000

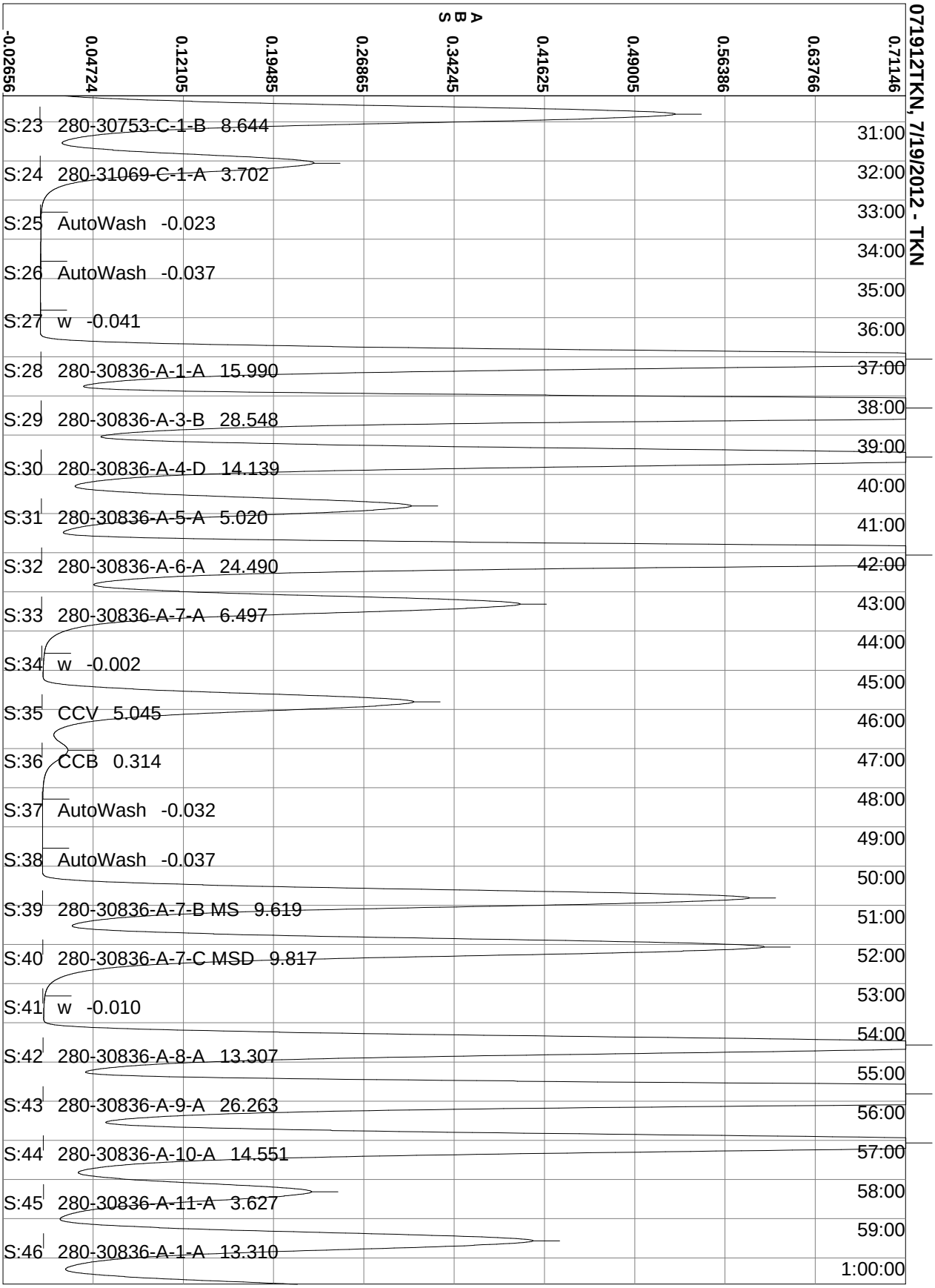
	Positi	Identifier	Type	Comm	Date	Time	Total	TKN Cor Ht	TKN mg/l
11	1:13	w	Blank		7/19/2012	10:13:35	1	0.00130	-0.015
12	1:14	W	Wash		7/19/2012	10:14:50	1	0.00000	-0.037
13	1:15	ICV	ICV		7/19/2012	10:16:05	2	0.29432	9.780
14	1:16	ICB	ICB		7/19/2012	10:17:21	1	0.02193	0.330
15	1:17	LCS 280-127958/1-A	Unknown		7/19/2012	10:18:36	1	0.36223	6.027

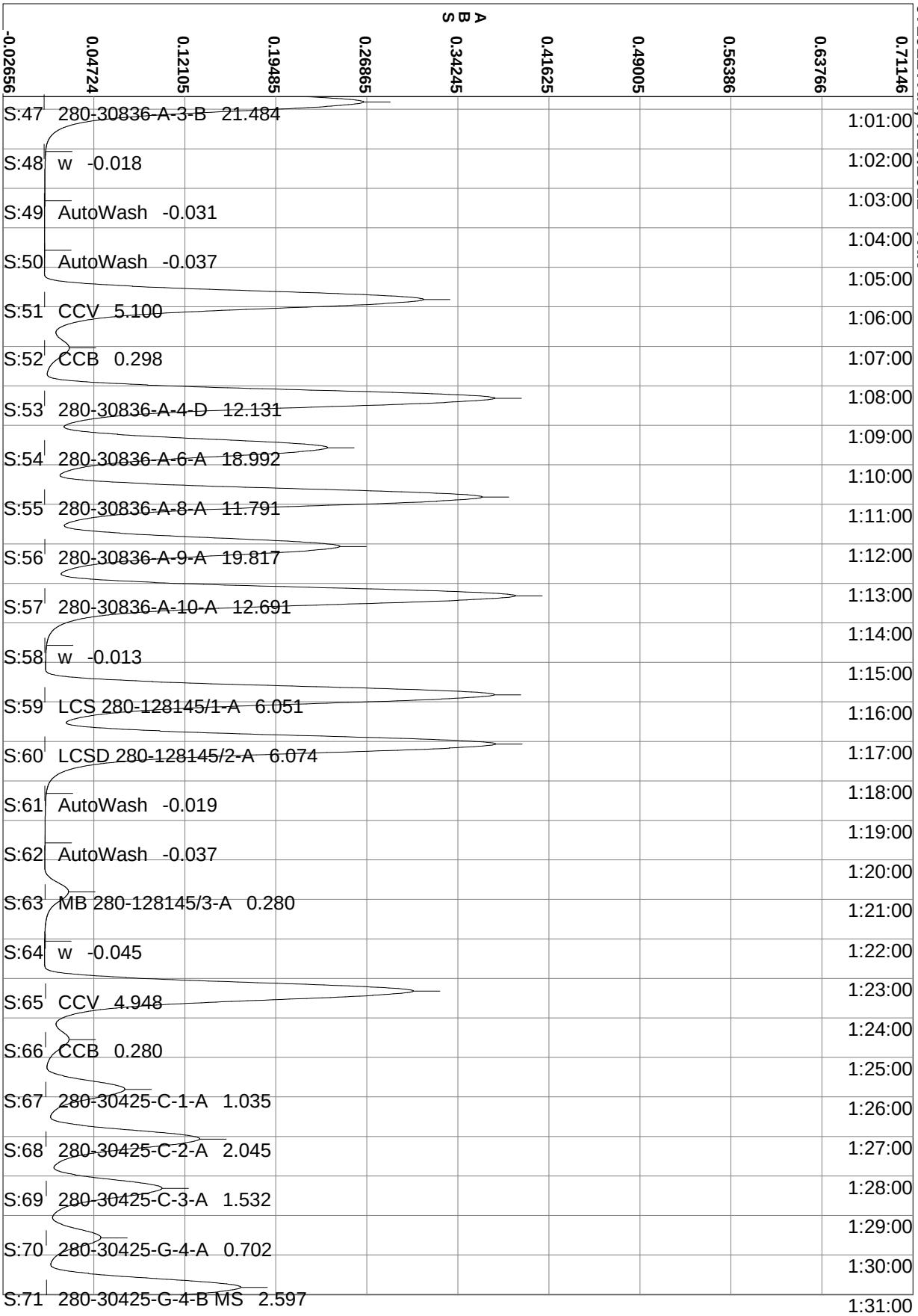
	›siti	Identifier	Type	Comm	Date	Time	Total	TKN Cor Ht	mg/l
16	1:18	LCSD 280-127958/2-A	Unknown		7/19/2012	10:19:51	1	0.36201	6.023
17	1:19	MB 280-127958/3-A	Unknown		7/19/2012	10:21:07	1	0.02170	0.326
18	1:20	280-30836-A-2-A	Unknown		7/19/2012	10:22:22	1	0.21803	3.613
19	1:21	280-30836-A-2-B MS	Unknown		7/19/2012	10:23:37	1	0.36964	6.151
20	1:22	280-30836-A-2-C MSI	Unknown		7/19/2012	10:24:53	1	0.37346	6.215
21	1:23	CCV	CCV		7/19/2012	10:26:08	1	0.30633	5.091
22	1:24	CCB	CCB		7/19/2012	10:27:23	1	0.02156	0.324
23	1:25	280-30753-C-1-B	Unknown		7/19/2012	10:28:39	1	0.51854	8.644
24	1:26	280-31069-C-1-A	Unknown		7/19/2012	10:29:54	1	0.22332	3.702
25	0	AutoWash	AutoWash		7/19/2012	10:31:09	1	0.00085	-0.023
26	0	AutoWash	AutoWash		7/19/2012	10:32:25	1	0.00000	-0.037
27	1:27	w	Blank		7/19/2012	10:33:40	1	-0.00021	-0.041
28	1:28	280-30836-A-1-A	Unknown		7/19/2012	10:34:55	1	0.95732	15.990
29	1:29	280-30836-A-3-B	Unknown		7/19/2012	10:36:10	1	1.70749	28.548
30	1:30	280-30836-A-4-D	Unknown		7/19/2012	10:37:26	1	0.84677	14.139
31	1:31	280-30836-A-5-A	Unknown		7/19/2012	10:38:41	1	0.30205	5.020
32	1:32	280-30836-A-6-A	Unknown		7/19/2012	10:39:56	1	1.46508	24.490
33	1:33	280-30836-A-7-A	Unknown		7/19/2012	10:41:12	1	0.39030	6.497
34	1:34	w	Blank		7/19/2012	10:42:27	1	0.00212	-0.002
35	1:35	CCV	CCV		7/19/2012	10:43:42	1	0.30355	5.045
36	1:36	CCB	CCB		7/19/2012	10:44:58	1	0.02099	0.314
37	0	AutoWash	AutoWash		7/19/2012	10:46:13	1	0.00032	-0.032
38	0	AutoWash	AutoWash		7/19/2012	10:47:28	1	0.00000	-0.037
39	1:37	280-30836-A-7-B MS	Unknown		7/19/2012	10:48:44	1	0.57678	9.619
40	1:38	280-30836-A-7-C MSI	Unknown		7/19/2012	10:49:59	1	0.58858	9.817
41	1:39	w	Blank		7/19/2012	10:51:14	1	0.00161	-0.010
42	1:40	280-30836-A-8-A	Unknown		7/19/2012	10:52:29	1	0.79710	13.307
43	1:41	280-30836-A-9-A	Unknown		7/19/2012	10:53:45	1	1.57095	26.263
44	1:42	280-30836-A-10-A	Unknown		7/19/2012	10:55:00	1	0.87141	14.551
45	1:43	280-30836-A-11-A	Unknown		7/19/2012	10:56:15	1	0.21888	3.627
46	1:44	280-30836-A-1-A	Unknown		7/19/2012	10:57:31	2	0.39972	13.310
47	1:45	280-30836-A-3-B	Unknown		7/19/2012	10:58:46	5	0.25887	21.484
48	1:46	w	Blank		7/19/2012	11:00:01	1	0.00116	-0.018
49	0	AutoWash	AutoWash		7/19/2012	11:01:17	1	0.00036	-0.031
50	0	AutoWash	AutoWash		7/19/2012	11:02:32	1	0.00000	-0.037
51	1:47	CCV	CCV		7/19/2012	11:03:47	1	0.30685	5.100
52	1:48	CCB	CCB		7/19/2012	11:05:03	1	0.02000	0.298
53	1:49	280-30836-A-4-D	Unknown		7/19/2012	11:06:18	2	0.36451	12.131
54	1:50	280-30836-A-6-A	Unknown		7/19/2012	11:07:33	5	0.22911	18.992
55	1:51	280-30836-A-8-A	Unknown		7/19/2012	11:08:49	2	0.35436	11.791
56	1:52	280-30836-A-9-A	Unknown		7/19/2012	11:10:04	5	0.23896	19.817
57	1:53	280-30836-A-10-A	Unknown		7/19/2012	11:11:19	2	0.38126	12.691
58	1:54	w	Blank		7/19/2012	11:12:34	1	0.00144	-0.013
59	1:55	LCS 280-128145/1-A	Unknown		7/19/2012	11:13:50	1	0.36364	6.051
60	1:56	LCSD 280-128145/2-A	Unknown		7/19/2012	11:15:05	1	0.36503	6.074
61	0	AutoWash	AutoWash		7/19/2012	11:16:20	1	0.00109	-0.019
62	0	AutoWash	AutoWash		7/19/2012	11:17:36	1	0.00000	-0.037
63	1:57	MB 280-128145/3-A	Unknown		7/19/2012	11:18:51	1	0.01893	0.280

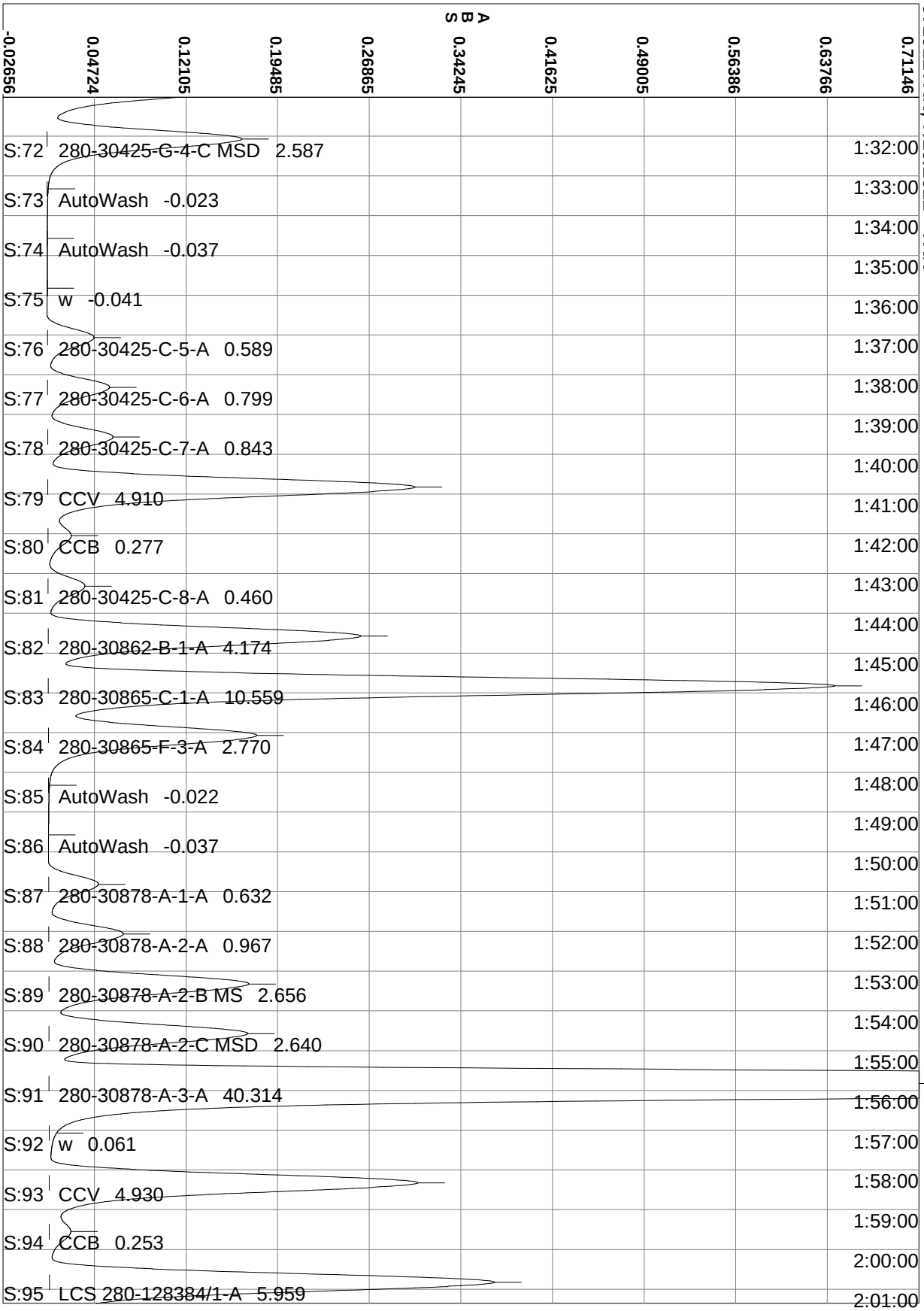
	ositi	Identifier	Type	Comm	Date	Time	Total	TKN Cor Ht	TKN mg/l
64	1:58	w	Blank		7/19/2012	11:20:06	1	-0.00050	-0.045
65	1:59	CCV	CCV		7/19/2012	11:21:22	1	0.29778	4.948
66	1:60	CCB	CCB		7/19/2012	11:22:37	1	0.01892	0.280
67	2:1	280-30425-C-1-A	Unknown		7/19/2012	11:23:52	1	0.06403	1.035
68	2:2	280-30425-C-2-A	Unknown		7/19/2012	11:25:08	1	0.12439	2.045
69	2:3	280-30425-C-3-A	Unknown		7/19/2012	11:26:23	1	0.09374	1.532
70	2:4	280-30425-G-4-A	Unknown		7/19/2012	11:27:38	1	0.04414	0.702
71	2:5	280-30425-G-4-B MS	Unknown		7/19/2012	11:28:53	1	0.15731	2.597
72	2:6	280-30425-G-4-C MSI	Unknown		7/19/2012	11:30:09	1	0.15672	2.587
73	0	AutoWash	AutoWash		7/19/2012	11:31:24	1	0.00081	-0.023
74	0	AutoWash	AutoWash		7/19/2012	11:32:39	1	0.00000	-0.037
75	2:7	w	Blank		7/19/2012	11:33:55	1	-0.00025	-0.041
76	2:8	280-30425-C-5-A	Unknown		7/19/2012	11:35:10	1	0.03740	0.589
77	2:9	280-30425-C-6-A	Unknown		7/19/2012	11:36:25	1	0.04991	0.799
78	2:10	280-30425-C-7-A	Unknown		7/19/2012	11:37:40	1	0.05254	0.843
79	2:11	CCV	CCV		7/19/2012	11:38:56	1	0.29552	4.910
80	2:12	CCB	CCB		7/19/2012	11:40:11	1	0.01877	0.277
81	2:13	280-30425-C-8-A	Unknown		7/19/2012	11:41:26	1	0.02967	0.460
82	2:14	280-30862-B-1-A	Unknown		7/19/2012	11:42:42	1	0.25155	4.174
83	2:15	280-30865-C-1-A	Unknown		7/19/2012	11:43:57	1	0.63293	10.559
84	2:16	280-30865-F-3-A	Unknown		7/19/2012	11:45:12	1	0.16765	2.770
85	0	AutoWash	AutoWash		7/19/2012	11:46:28	1	0.00087	-0.022
86	0	AutoWash	AutoWash		7/19/2012	11:47:43	1	0.00000	-0.037
87	2:17	280-30878-A-1-A	Unknown		7/19/2012	11:48:58	1	0.03998	0.632
88	2:18	280-30878-A-2-A	Unknown		7/19/2012	11:50:14	1	0.05995	0.967
89	2:19	280-30878-A-2-B MS	Unknown		7/19/2012	11:51:29	1	0.16085	2.656
90	2:20	280-30878-A-2-C MSI	Unknown		7/19/2012	11:52:44	1	0.15991	2.640
91	2:21	280-30878-A-3-A	Unknown		7/19/2012	11:53:59	1	2.41030	40.314
92	2:22	w	Blank		7/19/2012	11:55:15	1	0.00584	0.061
93	2:23	CCV	CCV		7/19/2012	11:56:30	1	0.29667	4.930
94	2:24	CCB	CCB		7/19/2012	11:57:45	1	0.01734	0.253
95	2:25	LCS 280-128384/1-A	Unknown		7/19/2012	11:59:01	1	0.35819	5.959
96	2:26	LCSD 280-128384/2-A	Unknown		7/20/2012	12:00:16	1	0.35917	5.976
97	0	AutoWash	AutoWash		7/20/2012	12:01:31	1	0.00118	-0.017
98	0	AutoWash	AutoWash		7/20/2012	12:02:47	1	0.00000	-0.037
99	2:27	MB 280-128384/3-A	Unknown		7/20/2012	12:04:02	1	0.02310	0.350
100	2:28	280-30879-A-1-A	Unknown		7/20/2012	12:05:17	1	0.06743	1.092
101	2:29	280-30879-A-1-B MS	Unknown		7/20/2012	12:06:33	1	0.18338	3.033
102	2:30	280-30879-A-1-C MSI	Unknown		7/20/2012	12:07:48	1	0.18443	3.050
103	2:31	280-30879-A-2-A	Unknown		7/20/2012	12:09:03	1	0.07023	1.139
104	2:32	280-30879-A-3-A	Unknown		7/20/2012	12:10:18	1	0.06094	0.983
105	2:33	280-30455-C-1-A	Unknown		7/20/2012	12:11:34	1	0.07110	1.153
106	2:34	280-30455-C-2-A	Unknown		7/20/2012	12:12:49	1	0.05102	0.817
107	2:35	CCV	CCV		7/20/2012	12:14:04	1	0.29564	4.912
108	2:36	CCB	CCB		7/20/2012	12:15:20	1	0.01761	0.258
109	0	AutoWash	AutoWash		7/20/2012	12:16:35	1	0.00045	-0.030
110	0	AutoWash	AutoWash		7/20/2012	12:17:50	1	0.00000	-0.037
111	2:37	280-30455-C-4-A	Unknown		7/20/2012	12:19:06	1	0.05003	0.801

	›siti	Identifier	Type	Comm	Date	Time	Total	TKN Cor Ht	mg/l
112	2:38	280-30455-C-5-A	Unknown		7/20/2012	12:20:21	1	0.10246	1.678
113	2:39	280-30455-C-6-A	Unknown		7/20/2012	12:21:36	1	0.05608	0.902
114	2:40	280-30455-C-7-A	Unknown		7/20/2012	12:22:52	1	0.05133	0.822
115	2:41	280-30865-C-1-A	Unknown		7/20/2012	12:24:07	2	0.28692	9.533
116	2:42	280-30878-A-3-A	Unknown		7/20/2012	12:25:22	10	0.19715	32.635
117	2:43	CCV	CCV		7/20/2012	12:26:38	1	0.29606	4.919
118	2:44	CCB	CCB		7/20/2012	12:27:53	1	0.01744	0.255
119	0	AutoWash	AutoWash		7/20/2012	12:29:08	1	0.00039	-0.031
120	0	AutoWash	AutoWash		7/20/2012	12:30:23	1	0.00000	-0.037


071912TKN, 7/19/2012 - TKN
ABS
-0.02656
0.04724
0.12105
0.19485
0.26865
0.34245
0.41625
0.49005
0.56386
0.63766
0.71146
0:00
1:00
2:00
3:00
4:00
5:00
6:00
7:00
8:00
9:00
10:00
11:00
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30:00
S:1 SYNC 9.930
S:2 CO -0.022
S:3 w -0.037
S:4 W -0.037
S:5 C1 0.432
S:6 C2 0.735
S:7 C3 0.997
S:8 C4 1.519
S:9 C5 4.972
S:10 C6 10.094
S:11 w -0.015
S:12 W -0.037
S:13 ICV 9.780
S:14 ICB 0.330
S:15 LCS 280-127958/1-A 6.027
S:16 LCSD 280-127958/2-A 6.023
S:17 MB 280-127958/3-A 0.326
S:18 280-30836-A-2-A 3.613
S:19 280-30836-A-2-B MS 6.151
S:20 280-30836-A-2-C MSD 6.215
S:21 CCV 5.091
S:22 CCB 0.324

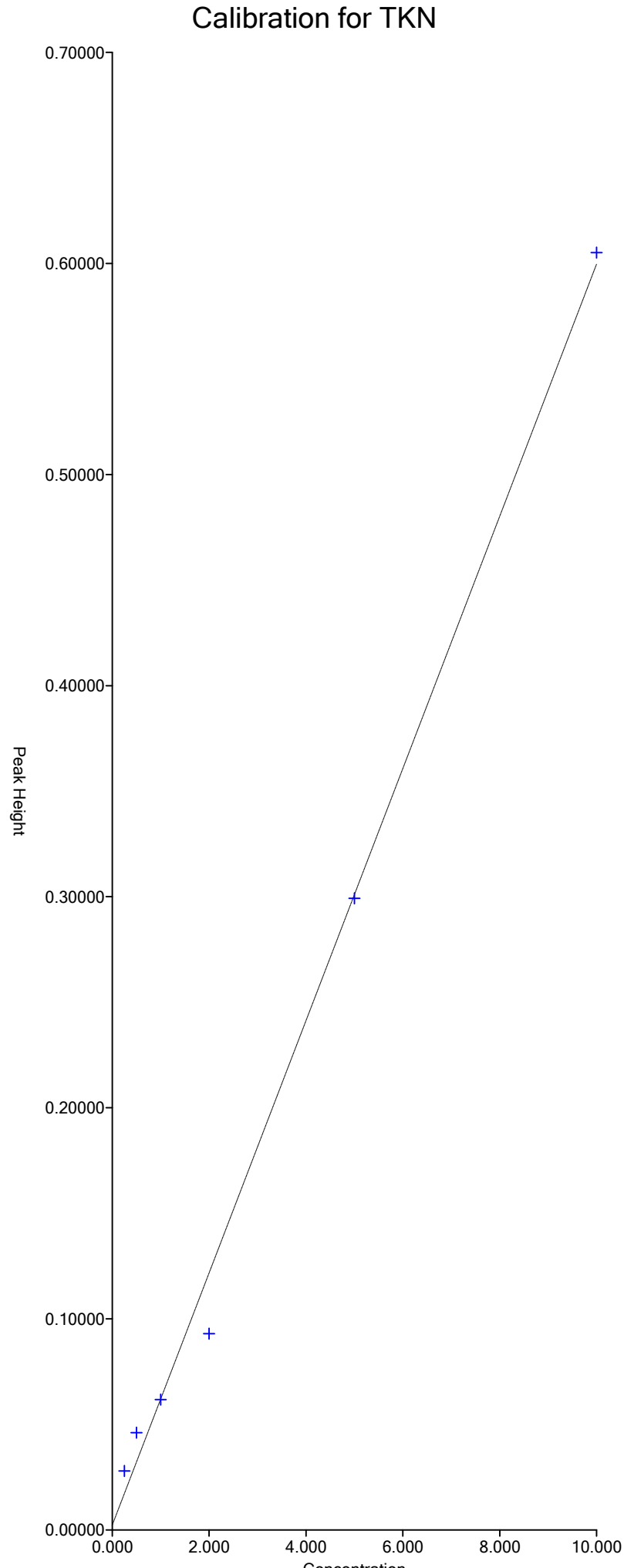

071912TKN, 7/19/2012 - TKN
ABS
-0.02656
0.04724
0.12105
0.19485
0.26865
0.34245
0.41625
0.49005
0.56386
0.63766
0.71146
S:23 280-30753-C-1-B 8.644
S:24 280-31069-C-1-A 3.702
S:25 AutoWash -0.023
S:26 AutoWash -0.037
S:27 w -0.041
S:28 280-30836-A-1-A 15.990
S:29 280-30836-A-3-B 28.548
S:30 280-30836-A-4-D 14.139
S:31 280-30836-A-5-A 5.020
S:32 280-30836-A-6-A 24.490
S:33 280-30836-A-7-A 6.497
S:34 w -0.002
S:35 CCV 5.045
S:36 CCB 0.314
S:37 AutoWash -0.032
S:38 AutoWash -0.037
S:39 280-30836-A-7-B MS 9.619
S:40 280-30836-A-7-C MSD 9.817
S:41 w -0.010
S:42 280-30836-A-8-A 13.307
S:43 280-30836-A-9-A 26.263
S:44 280-30836-A-10-A 14.551
S:45 280-30836-A-11-A 3.627
S:46 280-30836-A-1-A 13.310
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1:00:00


071912TKN, 7/19/2012 - TKN
ABS
-0.02656
0.04724
0.12105
0.19485
0.26865
0.34245
0.41625
0.49005
0.56386
0.63766
0.71146
S:47 280-30836-A-3-B 21.484
S:48 w -0.018
S:49 AutoWash -0.031
S:50 AutoWash -0.037
S:51 CCV 5.100
S:52 CCB 0.298
S:53 280-30836-A-4-D 12.131
S:54 280-30836-A-6-A 18.992
S:55 280-30836-A-8-A 11.791
S:56 280-30836-A-9-A 19.817
S:57 280-30836-A-10-A 12.691
S:58 w -0.013
S:59 LCS 280-128145/1-A 6.051
S:60 LCSD 280-128145/2-A 6.074
S:61 AutoWash -0.019
S:62 AutoWash -0.037
S:63 MB 280-128145/3-A 0.280
S:64 w -0.045
S:65 CCV 4.948
S:66 CCB 0.280
S:67 280-30425-C-1-A 1.035
S:68 280-30425-C-2-A 2.045
S:69 280-30425-C-3-A 1.532
S:70 280-30425-G-4-A 0.702
S:71 280-30425-G-4-B MS 2.597
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071912TKN, 7/19/2012 - TKN
ABS
-0.02656
0.04724
0.12105
0.19485
0.26865
0.34245
0.41625
0.49005
0.56386
0.63766
0.71146
S:72 280-30425-G-4-C MSD 2.587
S:73 AutoWash -0.023
S:74 AutoWash -0.037
S:75 w -0.041
S:76 280-30425-C-5-A 0.589
S:77 280-30425-C-6-A 0.799
S:78 280-30425-C-7-A 0.843
S:79 CCV 4.910
S:80 CCB 0.277
S:81 280-30425-C-8-A 0.460
S:82 280-30862-B-1-A 4.174
S:83 280-30865-C-1-A 10.559
S:84 280-30865-F-3-A 2.770
S:85 AutoWash -0.022
S:86 AutoWash -0.037
S:87 280-30878-A-1-A 0.632
S:88 280-30878-A-2-A 0.967
S:89 280-30878-A-2-B MS 2.656
S:90 280-30878-A-2-C MSD 2.640
S:91 280-30878-A-3-A 40.314
S:92 w 0.061
S:93 CCV 4.930
S:94 CCB 0.253
S:95 LCS 280-128384/1-A 5.959
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071912TKN, 7/19/2012 - TKN
ABS
-0.02656
0.04724
0.12105
0.19485
0.26865
0.34245
0.41625
0.49005
0.56386
0.63766
0.71146
S:96 LCSD 280-128384/2-A 5.976
S:97 AutoWash -0.017
S:98 AutoWash -0.037
S:99 MB 280-128384/3-A 0.350
S:100 280-30879-A-1-A 1.092
S:101 280-30879-A-1-B MS 3.033
S:102 280-30879-A-1-C MSD 3.050
S:103 280-30879-A-2-A 1.139
S:104 280-30879-A-3-A 0.983
S:105 280-30455-C-1-A 1.153
S:106 280-30455-C-2-A 0.817
S:107 CCV 4.912
S:108 CCB 0.258
S:109 AutoWash -0.030
S:110 AutoWash -0.037
S:111 280-30455-C-4-A 0.801
S:112 280-30455-C-5-A 1.678
S:113 280-30455-C-6-A 0.902
S:114 280-30455-C-7-A 0.822
S:115 280-30865-C-1-A 9.533
S:116 280-30878-A-3-A 32.635
S:117 CCV 4.919
S:118 CCB 0.255
S:119 AutoWash -0.031
2:02:00
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2:31:00

-0.02656	0.04724	0.12105	0.19485	0.26865	ABS 0.34245	0.41625	0.49005	0.56386	0.63766	0.71146	
S:120	AutoWash	-0.037									2:32:00
											2:33:00
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											2:36:00
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											3:01:00
											3:02:00



Segment 1: Equation: y = 0.05973x + 0.002213 X Range = 0.000 to 10.000
Correlation: 0.9977 Y Range = 0.00000 to 7.20000

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: COD 410.4 **SOP #** DV-WC-0018

Instrument: HACH Spec **Analyst:** M. Fayard **Analysis Date:** 6/16/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30117-1	Water	NA	124298	410.4	NA
280-30007-1					
280-29966-6					
280-29975-1					
280-29988-1					
280-30081-1-5					
280-30093-1					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			✓
2. Correlation coefficient ≥ 0.995 ?	✓			✓
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			✓
4. ICB analyzed immediately after the ICV & results < the RL	✓			✓
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			✓
6. CCB analyzed after every CCV & results < RL?	✓			✓
7. Absolute value of the intercept is < ± ½ the RL?			✓	✓
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			✓
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			✓
3. All reported results bracketed by in control CCV results?	✓			✓
4. Sample analyses done within holding time?	✓			✓
5. Initial pH check documented for all samples? (If Applicable)	✓			✓
6. Preparation benchsheet completed and included in package?			✓	✓
7. Client requirements reviewed and met?	✓			✓
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	✓
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
11. Raw data copies prepared, scanned, and uploaded?	✓			✓
12. Manual integrations done properly and initialed and dated?			✓	✓
13. STD/True Value information is updated and included?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. MS/MSD run at required frequency and within limits or NCM written?	✓			✓
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	✓

Analyst: [signature] **Date:** 6/19/12

2nd Level Reviewer : [signature] **Date:** 6.20.12

Test Name/ Method #: COD 410.4 **SOP #** DV-WC-0018

Instrument: HACH SPEC **Analyst:** M. FAYARD **Analysis Date:** 6/16/12

Lot / Sample Numbers	Matrix	Batch	Method	Special Inst
280-30116-1	Water	124298	410.4	NA
280-29669-9, 19, 32, 42	↓	↓	↓	DOE
280-29669-52462				DOE

NA 6/19/12

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: COD 410.4 **SOP #** DV-WC-0018

Instrument: HACH SPEC **Analyst:** M. FAJARD **Analysis Date:** 7/3/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30425-7+8	Water	NA	126498	410.4	Q4
280-30455-1,2,4-7	↓	↓	↓	↓	Q4
	7/3/12				

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			—
2. Correlation coefficient ≥ 0.995 ?	✓			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			—
4. ICB analyzed immediately after the ICV & results < the RL	✓			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			—
6. CCB analyzed after every CCV & results < RL?	✓			—
7. Absolute value of the intercept is < ± ½ the RL?			✓	—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?			✓	—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?			✓	—
3. All reported results bracketed by in control CCV results?	✓			—
4. Sample analyses done within holding time?	✓			—
5. Initial pH check documented for all samples? (If Applicable)	✓			—
6. Preparation benchsheet completed and included in package?			✓	—
7. Client requirements reviewed and met?	✓			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	—
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
11. Raw data copies prepared, scanned, and uploaded?	✓			—
12. Manual integrations done properly and initialed and dated?			✓	—
13. STD/True Value information is updated and included?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?	✓			—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	—

Analyst: [signature] **Date:** 7/3/12

2nd Level Reviewer : [signature] **Date:** 7/4/12

TestAmerica

Wet Chemistry Data Review Checklist
Direct Measurement Methods (pH, Conductance, etc.)

Test Name/Method #: Color **Analysis Date** 6 27 12

SOP #: DR WC 0058 **Analyst:** DA **Instrument:** Nessler tubes

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280 30455/1-7	Water	NA	126223	2120B	NA
280 30461/1	1	1	1	1	1
					6 30 12

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the instrument properly standardized?	✓			—
2. Second-source ICV analyzed immediately after instrument standardization & recovery ± 10% of true value?			-	—
3. ICB analyzed immediately after ICV & results < the RL?			-	—
4. CCV analyzed after every ten samples & recovery ± 10% of true value?			-	—
5. CCB analyzed after every CCV & all results < the RL?			-	—
B. Sample Results				
1. pH sample and duplicate within ± 0.1 units?			-	—
1. Are all sample dilutions appropriate and do associated RLs reflect required dilutions or limited sample volumes?	✓			—
2. All reported results bracketed by in control CCV results?			-	—
3. Sample analyses done within holding time?	✓			—
4. Preparation benchsheet completed and included in package (if applicable)?	✓			—
5. Special client requirements reviewed and met?	✓			—
6. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓			—
7. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
8. STD/True Value information is updated and included?	✓			—
9. Raw data copies prepared, scanned, and uploaded?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?			-	—
4. Sample DUP run at required frequency and RPD within established limits?	✓			—

Analyst: [signature] **Date:** 6 30 12

2nd Level Reviewer : [signature] **Date:** 7/2/12

5/18/10 Version 2
QA/Edit/Forms/Data Review\Direct Measurement Methods Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver Wet Chemistry Data Review Checklist
For Titration Methods

ANALYTE: Hardness ANALYST: AA ANALYSIS DATE: 7/19/12 SOP: WC-0060

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30425	W	N/A	128483	2340C	
30924	↓	↓	↓	↓	
30824					
30865					
31032					
30455					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the normality of the titrant verified and found acceptable?	✓			✓
B. Sample Results				
1. Are all sample dilutions appropriate and do associated RLs/MDLs reflect required dilutions or limited sample volume?	✓			–
2. All reported results bracketed by in control CCV/CCB?			✓	–
3. Sample analyses done within holding time?	✓			–
4. Initial pH check documented for all samples (if required)?			✓	–
5. Preparation benchsheet completed and included in package (if applicable)?	✓			–
6. Special client requirements checked?	✓			✓
7. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures? (If Applicable)	✓			–
8. Do the prep and analysis dates in TALS reflect the actual dates?	✓			–
9. STD/True Value information is updated and included?	✓			–
10. Raw data copies prepared, scanned, and uploaded?	✓			–
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			–
2. Method blank < ½ RL or NCM provided?	✓			–
3. LCS/LCSD run for batch and within QC limits?	✓			–
4. MS/MSD run at required frequency and within limits or NCM written?	✓		Tag	7/19/12
5. DUP run at required frequency and RPD within 20% or NCM written?			✓	

Analyst: [signature] Date: 7/19/12

Comments:

2nd Level Reviewer : [signature] Date: 7/20/12

Comments:

HARDNESS BY TITRATION

Analyst:	AA	**Titration Solutions**		**SOP Information:**	**Rep. / Detection Limits**
Date:	7/19/2012	Solution 1:	EDTA	Number: DV-WC-0060	MDL 0
QC Batch:		Source:	RICCA	Revision: No.3 05/10	Rep. Limit 2
MS Run:		LOT#	_00010	**Calibration Information**	
Time:9:30		Normality:	0.01960	Std# Hard 00021	
2340C		Exp. Date:	7/31/2013	Lot #	
		Std#	22	Made By: LabChem	
Pipette Verification	5.04			Concentration:1000	
at 5mls:		5000n		Exp: 3/11/13	
Brinkmann bottletop		5000x		DCS True Value: 400.00	
Buret 50				Spike True Value: 200.00	

Lot Number	Work Order	Sample Volume	Buret Start	Buret Stop	Flags	Final mL	Concentratn mg/L	Prep D.F.	Analyt. D.F.	Final Conc mg/L	% Rec.
	titrant stdz	10	0.00	10.24		10.24	1003.441	1	1	1003.44	0.01953
	titrant stdz	10	0.00	10.17		10.17	996.582	1	1	996.58	0.01967
	MB	25	0.00	0.00		0.00	0.000	1	1	0.00	
	LCS	25	0.00	10.20		10.20	399.809	1	1	399.81	
	LCS	25	0.00	10.13		10.13	397.065	1	1	397.06	
280-30425-M-4	X	25	0.00	5.61		5.61	219.895	1	1	219.89	
280-30425-M-4 ms	X	25	0.00	15.31		15.31	600.105	1	1	600.11	
280-30425-M-4 msd	X	25	0.00	15.85		15.85	621.271	1	1	621.27	
280-30425-E-1	X	25	0.00	6.75		6.75	264.579	1	1	264.58	
280-30425-E-2	X	25	0.00	8.86		8.86	347.285	1	1	347.28	
280-30425-E-3	X	25	0.00	7.52		7.52	294.761	1	1	294.76	
280-30425-E-5	X	25	0.00	5.37		5.37	210.488	1	1	210.49	
280-30425-E-6	x	25	0.00	3.92		3.92	153.652	1	1	153.65	
280-30425-E-7	x	25	0.00	2.06		2.06	80.746	1	1	80.75	
280-30425-E-8	x	25	0.00	0.00		0.00	0.000	1	1	0.00	
280-30924-C-1	x	25	0.00	2.63		2.63	103.088	1	1	103.09	
280-30924-C-3	x	2.5	0.00	10.24		10.24	4013.766	1	1	4013.77	
280-30824-C-1	x	5	0.00	12.64		12.64	2477.246	1	1	2477.25	
280-30865-H-1	x	25	0.00	4.76		4.76	186.577	1	1	186.58	
280-30865-J-3	x	25	0.00	3.86		3.86	151.300	1	1	151.30	
280-31032-A-2	x	25	0.00	3.71		3.71	145.421	1	1	145.42	
280-30455-E-1	x	25	0.00	1.88		1.88	73.690	1	1	73.69	
280-30455-E-2	x	25	0.00	2.14		2.14	83.881	1	1	83.88	
280-30455-E-4	x	25	0.00	6.37		6.37	249.684	1	1	249.68	
280-30455-E-5	x	25	0.00	9.21		9.21	361.004	1	1	361.00	
280-30455-E-6	x	25	0.00	3.94		3.94	154.436	1	1	154.44	
280-30455-E-7	x	25	0.00	0.00		0.00	0.000	1	1	0.00	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	

Buffer:	Hardness Buffer _00012	
Exp:	10 18 12	
Calmagit	_00001	Exp:06/22/13

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8
#Samples: 75
Created: 6/27/2012 10:20:15 AM by WETCHEMD
Last Update: 6/28/2012 11:56:37 AM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
1	RT CHECK	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 10:46:24 AM
2	cal1	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 11:03:13 AM
3	cal2	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 11:20:01 AM
4	cal3	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 11:36:49 AM
5	cal4	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 12:15:38 PM
6	cal5	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 12:32:26 PM
7	cal6	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 12:49:14 PM
8	BLK	Unknown	6	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 1:06:03 PM
9	ICV STD#00825	Unknown	203	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 1:39:39 PM
10	ICB	Unknown	204	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 1:56:27 PM
11	MRL 0.05	Unknown	203	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 2:13:15 PM
12	MRL 0.02	Unknown	204	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 2:30:03 PM
13	LCS STD#00825	Unknown	194	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 2:46:52 PM
14	LCSD	Unknown	193	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 3:03:40 PM
15	MB	Unknown	175	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 3:20:28 PM
16	280-30461-a-1	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 3:37:16 PM
17	280-30455-b-1	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 3:54:04 PM
18	280-30455-b-2	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 4:10:53 PM
19	280-30455-a-3	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 4:27:41 PM
20	280-30455-b-4	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 4:44:29 PM
21	280-30455-b-5	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 5:01:46 PM
22	280-30455-b-6	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 5:18:34 PM
23	280-30455-b-7	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 5:35:22 PM
24	280-30459-c-1	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 5:52:10 PM
25	DU 280-30459-c-1	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 6:08:59 PM
26	CCV	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 7:33:00 PM
27	CCB	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 7:49:48 PM
28	MS 280-30459-c-1	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 8:06:37 PM
29	MSD 280-30459-c-1	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 8:23:25 PM
30	280-30459-a-2	Unknown	411	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 8:40:13 PM
31	280-30459-a-3	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 8:57:02 PM
32	280-30459-a-4	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 9:13:50 PM
33	280-30459-a-5	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 9:30:38 PM
34	280-30459-a-6	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 9:47:26 PM
35	280-30459-a-18	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 10:04:15 PM
36	280-30459-c-19	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 10:21:03 PM
37	DU 280-30459-c-19	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 10:37:51 PM
38	CCV	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 10:54:39 PM
39	CCB	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 11:11:28 PM
40	MS 280-30459-c-19	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 11:28:16 PM
41	MSD 280-30459-c-19	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 11:45:04 PM
42	280-30459-a-20	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 12:01:53 AM
43	280-30461-a-1 5X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 12:18:41 AM
44	280-30459-c-1 5X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 12:35:29 AM

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8
#Samples: 75
Created: 6/27/2012 10:20:15 AM by WETCHEMD
Last Update: 6/28/2012 11:56:37 AM by WETCHEMD

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	RT CHECK	1.0000	1.0000	1.0000	100		EMK
2	cal1	1.0000	1.0000	1.0000	101		EMK
3	cal2	1.0000	1.0000	1.0000	102		EMK
4	cal3	1.0000	1.0000	1.0000	103		EMK
5	cal4	1.0000	1.0000	1.0000	104		EMK
6	cal5	1.0000	1.0000	1.0000	105		EMK
7	cal6	1.0000	1.0000	1.0000	106		EMK
8	BLK	1.0000	1.0000	1.0000	107		EMK
9	ICV STD#00825	1.0000	1.0000	1.0000	108		EMK
10	ICB	1.0000	1.0000	1.0000	109		EMK
11	MRL 0.05	1.0000	1.0000	1.0000	110		EMK
12	MRL 0.02	1.0000	1.0000	1.0000	111		EMK
13	LCS STD#00825	1.0000	1.0000	1.0000	112		EMK
14	LCSD	1.0000	1.0000	1.0000	113		EMK
15	MB	1.0000	1.0000	1.0000	114		EMK
16	280-30461-a-1	1.0000	1.0000	1.0000	115		EMK
17	280-30455-b-1	1.0000	1.0000	1.0000	116		EMK
18	280-30455-b-2	1.0000	1.0000	1.0000	117		EMK
19	280-30455-a-3	1.0000	1.0000	1.0000	118		EMK
20	280-30455-b-4	1.0000	1.0000	1.0000	119		EMK
21	280-30455-b-5	1.0000	1.0000	1.0000	120		EMK
22	280-30455-b-6	1.0000	1.0000	1.0000	121		EMK
23	280-30455-b-7	1.0000	1.0000	1.0000	122		EMK
24	280-30459-c-1	1.0000	1.0000	1.0000	123		EMK
25	DU 280-30459-c-1	1.0000	1.0000	1.0000	124		EMK
26	CCV	1.0000	1.0000	1.0000	125		EMK
27	CCB	1.0000	1.0000	1.0000	126		EMK
28	MS 280-30459-c-1	1.0000	1.0000	1.0000	127		EMK
29	MSD 280-30459-c-1	1.0000	1.0000	1.0000	128		EMK
30	280-30459-a-2	1.0000	1.0000	1.0000	129		EMK
31	280-30459-a-3	1.0000	1.0000	1.0000	130		EMK
32	280-30459-a-4	1.0000	1.0000	1.0000	131		EMK
33	280-30459-a-5	1.0000	1.0000	1.0000	132		EMK
34	280-30459-a-6	1.0000	1.0000	1.0000	133		EMK
35	280-30459-a-18	1.0000	1.0000	1.0000	134		EMK
36	280-30459-c-19	1.0000	1.0000	1.0000	135		EMK
37	DU 280-30459-c-19	1.0000	1.0000	1.0000	136		EMK
38	CCV	1.0000	1.0000	1.0000	137		EMK
39	CCB	1.0000	1.0000	1.0000	138		EMK
40	MS 280-30459-c-19	1.0000	1.0000	1.0000	139		EMK
41	MSD 280-30459-c-19	1.0000	1.0000	1.0000	140		EMK
42	280-30459-a-20	1.0000	1.0000	1.0000	141		EMK
43	280-30461-a-1 5X	1.0000	5.0000	1.0000	142		EMK
44	280-30459-c-1 5X	1.0000	5.0000	1.0000	143		EMK

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8
#Samples: 75
Created: 6/27/2012 10:20:15 AM by WETCHEMD
Last Update: 6/28/2012 11:56:37 AM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
45	DU 280-30459-c-1 5X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 12:52:18 AM
46	MSD 280-30459-c-1 5X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 1:09:06 AM
47	MSD 280-30459-c-1 5X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 1:25:54 AM
48	280-30459-a-2 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 1:42:42 AM
49	280-30459-a-3 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 1:59:31 AM
50	CCV	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 2:16:19 AM
51	CCB	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 2:33:07 AM
52	280-30459-a-4 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 2:49:56 AM
53	280-30459-a-5 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 3:06:44 AM
54	280-30459-a-6 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 3:23:32 AM
55	280-30459-a-18 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 3:40:21 AM
56	280-30459-c-19 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 3:57:09 AM
57	DU 280-30459-c-19 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 4:13:57 AM
58	MS 280-30459-c-19 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 4:30:45 AM
59	MSD 280-30459-c-19 5X	Unknown	416	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 4:47:33 AM
60	280-30459-a-20 5X	Unknown	416	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 5:04:22 AM
61	lcs 280-125785/1-a	Unknown	416	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 5:21:10 AM
62	CCV	Unknown	416	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 5:37:58 AM
63	CCB	Unknown	416	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 5:54:46 AM
64	lcsd 280-125785/2-a	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 6:18:13 AM
65	mb 280-125785/3-a	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 6:35:01 AM
66	280-30252-a-1-e	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 6:51:49 AM
67	280-30252-a-2-c	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 7:08:38 AM
68	MS 280-30459-c-19	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 7:25:26 AM
69	MSD 280-30459-c-19	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 7:42:14 AM
70	280-30459-c-19	Unknown	416	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 7:59:03 AM
71	CCV	Unknown	417	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 8:15:50 AM
72	CCB	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 8:35:48 AM
73	280-30160-a-7 CONF	Unknown	417	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 8:52:36 AM
74	280-30017-a-17 CONF	Unknown	418	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 9:09:24 AM
75	280-30017-a-26 CON	Unknown	418	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 9:26:12 AM

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8
#Samples: 75
Created: 6/27/2012 10:20:15 AM by WETCHEMD
Last Update: 6/28/2012 11:56:37 AM by WETCHEMD

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
45	DU 280-30459-c-1 5X	1.0000	5.0000	1.0000	144		EMK
46	MSD 280-30459-c-1 5X	1.0000	5.0000	1.0000	145		EMK
47	MSD 280-30459-c-1 5X	1.0000	5.0000	1.0000	146		EMK
48	280-30459-a-2 5X	1.0000	5.0000	1.0000	147		EMK
49	280-30459-a-3 5X	1.0000	5.0000	1.0000	148		EMK
50	CCV	1.0000	1.0000	1.0000	149		EMK
51	CCB	1.0000	1.0000	1.0000	150		EMK
52	280-30459-a-4 5X	1.0000	5.0000	1.0000	151		EMK
53	280-30459-a-5 5X	1.0000	5.0000	1.0000	152		EMK
54	280-30459-a-6 5X	1.0000	5.0000	1.0000	153		EMK
55	280-30459-a-18 5X	1.0000	5.0000	1.0000	154		EMK
56	280-30459-c-19 5X	1.0000	5.0000	1.0000	155		EMK
57	DU 280-30459-c-19 5X	1.0000	5.0000	1.0000	156		EMK
58	MS 280-30459-c-19 5X	1.0000	5.0000	1.0000	157		EMK
59	MSD 280-30459-c-19 5X	1.0000	5.0000	1.0000	158		EMK
60	280-30459-a-20 5X	1.0000	5.0000	1.0000	159		EMK
61	lcs 280-125785/1-a	1.0000	1.0000	1.0000	160		EMK
62	CCV	1.0000	1.0000	1.0000	161		EMK
63	CCB	1.0000	1.0000	1.0000	162		EMK
64	lcsd 280-125785/2-a	1.0000	1.0000	1.0000	163		EMK
65	mb 280-125785/3-a	1.0000	1.0000	1.0000	164		EMK
66	280-30252-a-1-e	1.0000	1.0000	1.0000	165		EMK
67	280-30252-a-2-c	1.0000	1.0000	1.0000	166		EMK
68	MS 280-30459-c-19	1.0000	1.0000	1.0000	167		EMK
69	MSD 280-30459-c-19	1.0000	1.0000	1.0000	168		EMK
70	280-30459-c-19	1.0000	1.0000	1.0000	169		EMK
71	CCV	1.0000	1.0000	1.0000	170		EMK
72	CCB	1.0000	1.0000	1.0000	171		EMK
73	280-30160-a-7 CONF	1.0000	1.0000	1.0000	172		EMK
74	280-30017-a-17 CONF	1.0000	1.0000	1.0000	173		EMK
75	280-30017-a-26 CON	1.0000	1.0000	1.0000	174		EMK

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Pressure.LowerLimit =              200 [psi]
           Pressure.UpperLimit =              3000 [psi]
           %A.Equate =                        "DI H2O"
           CR_TC =                            On
           Pump_InjectValve.State             LoadPosition
           Data_Collection_Rate =             5.0 [Hz]
           CellTemperature.Nominal =          35.0 [°C]
           ColumnTemperature.Nominal =        30.0 [°C]
           Suppressor_Type =                  ASRS_4mm
           ; Pump_ECD.Hydroxide =             50.0
           ; Pump_ECD.Recommended Current =   124
           ; Pump_ECD.Carbonate =             0.0
           ; Pump_ECD.Bicarbonate =           0.0
           ; Pump_ECD.Tetraborate =           0.0
           ; Pump_ECD.Other eluent =          0.0
           Suppressor_Current =               125 [mA]
           Flow =                             1.00 [ml/min]

-2.700     Pump_ECD_Relay_1.Open              Duration=0.01
           Concentration =                    10.00 [mM]
           Curve =                            5

-2.500     Pump_ECD_Relay_1.Closed            Duration=0.01

 0.000     Autozero
           ECD_1.AcqOn
           Pump_InjectValve.InjectPosition    Duration=720.00

 7.500     Concentration =                    10.00 [mM]
           Curve =                            5

10.500     Concentration =                    40.00 [mM]
           Curve =                            5

10.600     Concentration =                    50.00 [mM]
           Curve =                            5

12.500     Concentration =                    50.00 [mM]
           Curve =                            5

12.600     Concentration =                    10.00 [mM]
           Curve =                            5

13.000     Concentration =                    10.00 [mM]
```

Chromeleon © Dionex Corporation, Version 6.80 SP3 Build 2345 (128616)

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Curve =                          5

14.000     ECD_1.AcqOff
           End
```

Chromeleon © Dionex Corporation, Version 6.80 SP3 Build 2345 (128616)

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ
Timebase: ICS-8
Created: 3/20/2008 10:44:59 AM by kudlae
Changed: 3/31/2008 10:13:48 AM by kudlae

No.	Channel	Operation	Parameters

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

Blank Run Subtraction: No Blank Run Subtraction

Detection Table:

No.	Ret. Time [min]	Param. Name	Param. Value	Channel
1	0.000	Minimum Area	0.5E-3 "[Signal]*min"	All Channels
2	0.000	Sensitivity	0.8E-3 "[Signal]"	All Channels
3	0.000	Inhibit Integration	On	All Channels
4	0.000	Valley to Valley	On	All Channels
5	0.000	Fronting Sensitivity Factor	5.0	All Channels
6	0.000	Tailing Sensitivity Factor	6.0	All Channels
7	1.500	Void Volume Treatment	On	All Channels
8	1.500	Inhibit Integration	Off	All Channels
9	1.800	Void Volume Treatment	Off	All Channels
10	2.000	Maximum Width	0.75 min	All Channels
11	8.200	Inhibit Integration	On	All Channels
12	11.000	Inhibit Integration	Off	All Channels

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Group	Comment	Amount BLK	Amount cal1
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*		*Autogenerated*	*0.000000*	*0.200000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.000000
3	Chloride	3.200 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
4	Nitrite	3.700 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
5	Bromide	6.100 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
6	Nitrate	6.700 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
7	Sulfate	11.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Amount cal2	Amount cal3	Amount cal4	Amount cal5	Amount cal6
1	*Fluoride*	*1.900 min*	*0.500000*	*1.000000*	*4.000000*	*8.000000*	*10.000000*
2	Acetate	2.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
3	Chloride	3.200 min	2.500000	5.000000	20.000000	40.000000	50.000000
4	Nitrite	3.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
5	Bromide	6.100 min	0.500000	1.000000	4.000000	8.000000	10.000000
6	Nitrate	6.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
7	Sulfate	11.300 min	2.500000	5.000000	20.000000	40.000000	50.000000
8	Ortho as P	12.600 min	0.500000	1.000000	4.000000	8.000000	10.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Left Limit	Right Limit	Group	Resp.Fact.
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*	*0.000*	*0.000*		*1.000000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
3	Chloride	3.200 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
4	Nitrite	3.700 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
5	Bromide	6.100 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
6	Nitrate	6.700 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
7	Sulfate	11.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Comment
1	*Fluoride*	*1.900 min*	*Autogenerated*
2	Acetate	2.700 min	Autogenerated
3	Chloride	3.200 min	Autogenerated
4	Nitrite	3.700 min	Autogenerated
5	Bromide	6.100 min	Autogenerated
6	Nitrate	6.700 min	Autogenerated
7	Sulfate	11.300 min	Autogenerated
8	Ortho as P	12.600 min	Autogenerated

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Smp.No.	Pos.	Inj. Vol.	Weight	ISTD Amount	Dil. Factor	Inj. Date/Time	Sample Comment
1	☒	cal1	2	151	10.0	1.0000	1.0000	1.0000	6/27/2012 11:0	EMK
2	☒	cal2	3	151	10.0	1.0000	1.0000	1.0000	6/27/2012 11:2	EMK
3	☒	cal3	4	151	10.0	1.0000	1.0000	1.0000	6/27/2012 11:3	EMK
4	☒	cal4	5	151	10.0	1.0000	1.0000	1.0000	6/27/2012 12:1	EMK
5	☒	cal5	6	151	10.0	1.0000	1.0000	1.0000	6/27/2012 12:3	EMK
6	☒	cal6	7	151	10.0	1.0000	1.0000	1.0000	6/27/2012 12:4	EMK

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Calib.	Comment
1	☒	cal1	Ok	
2	☒	cal2	Ok	
3	☒	cal3	Ok	
4	☒	cal4	Ok	
5	☒	cal5	Ok	
6	☒	cal6	Ok	

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

System Suitability Test:

No.	Name	Sample Condition	Test Condition	Aggregate	Operator	Value	Channel	Peak	N.A.
1									

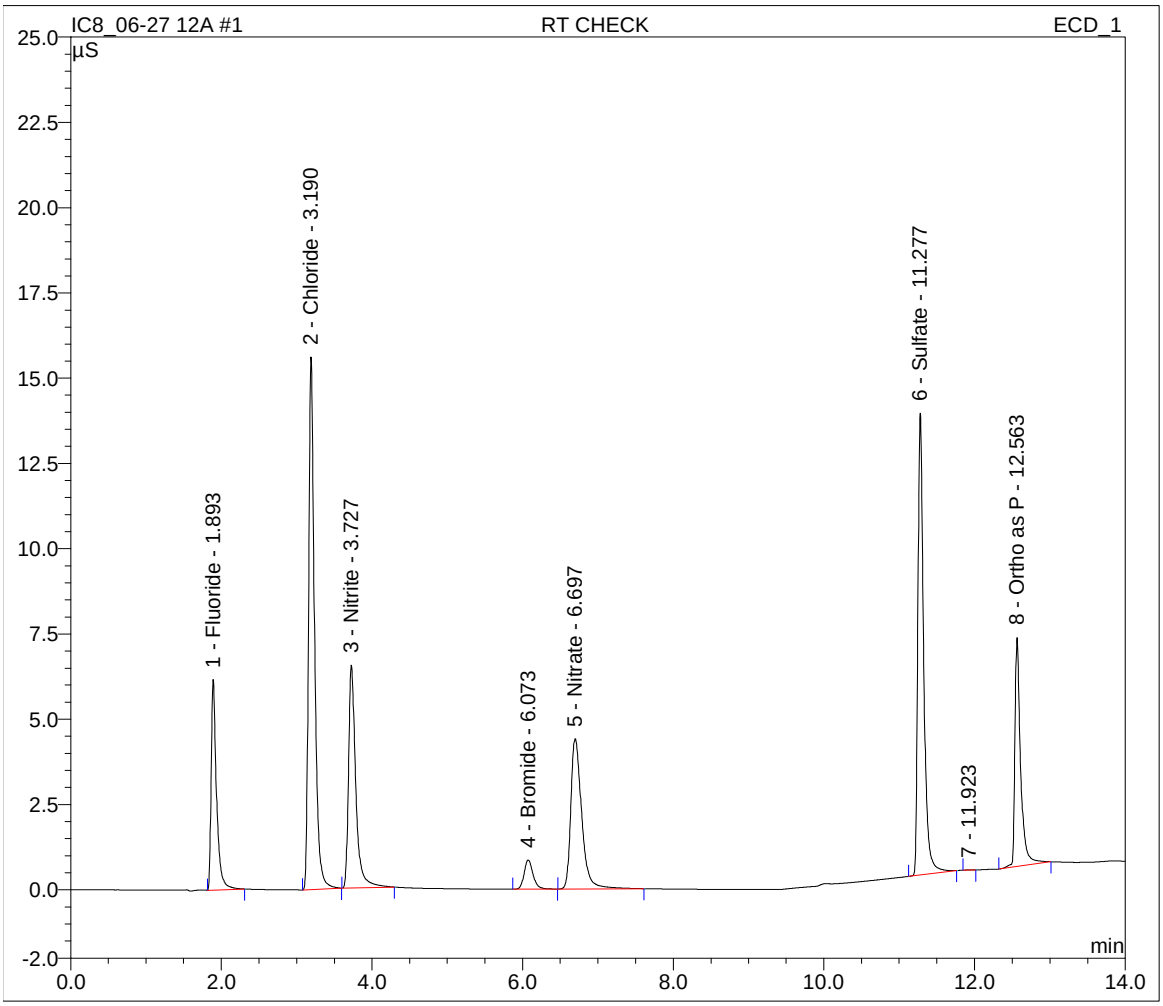
Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

System Suitability Test:

No.	Name	Fail-Action	Result	SST Message	Rounding
1					

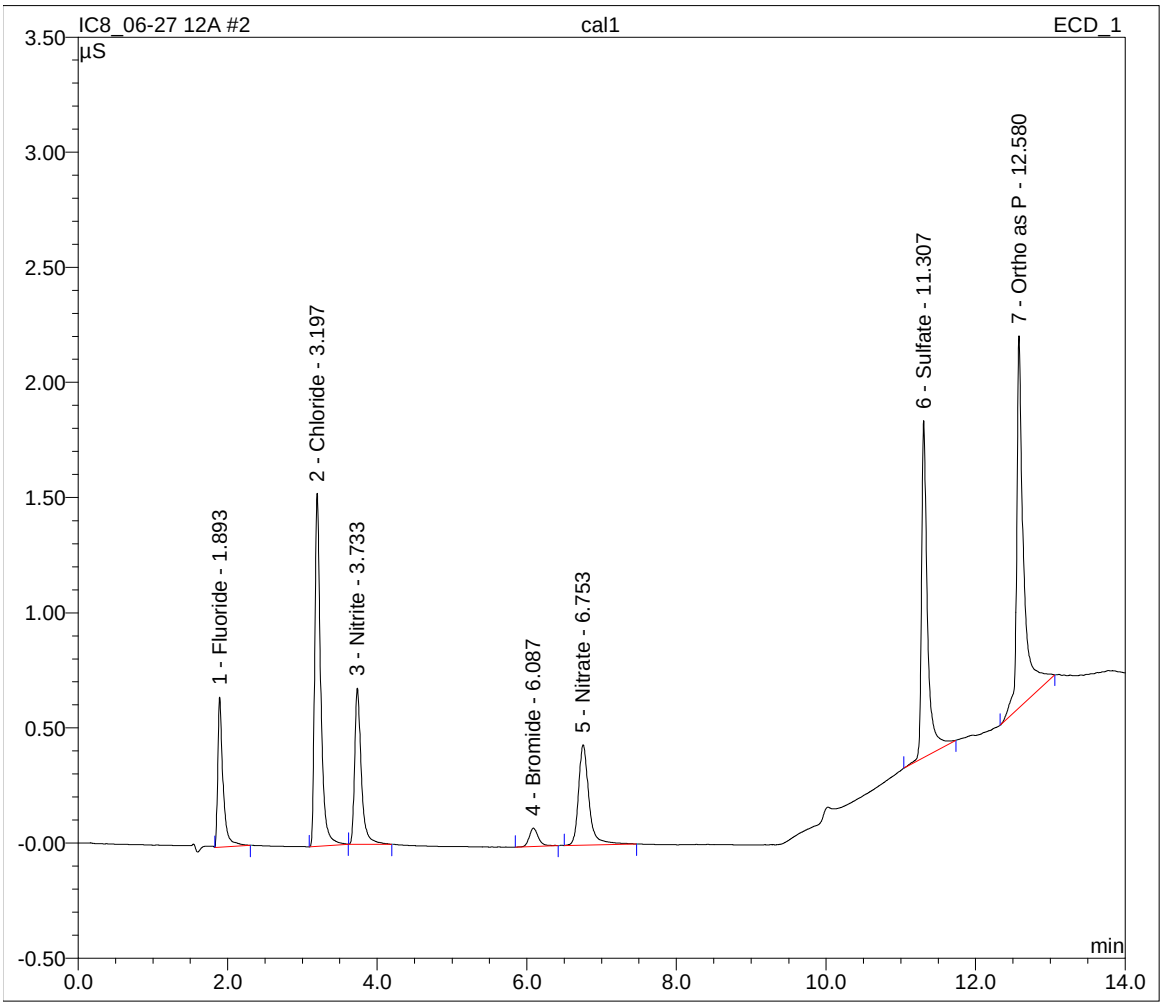
Sample Name:	**RT CHECK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 10:46**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.511	6.180	2.1154
2	3.19	Chloride	BMB	1.429	15.609	10.1409
3	3.73	Nitrite	BMB	0.730	6.536	2.0562
4	6.07	Bromide	BMB	0.117	0.853	1.9653
5	6.70	Nitrate	BMB	0.738	4.402	2.0328
6	11.28	Sulfate	BMB	1.213	13.538	10.4285
8	12.56	Ortho as P	BMB	0.592	6.719	2.3018
		TOTAL:		5.33	53.84	31.04



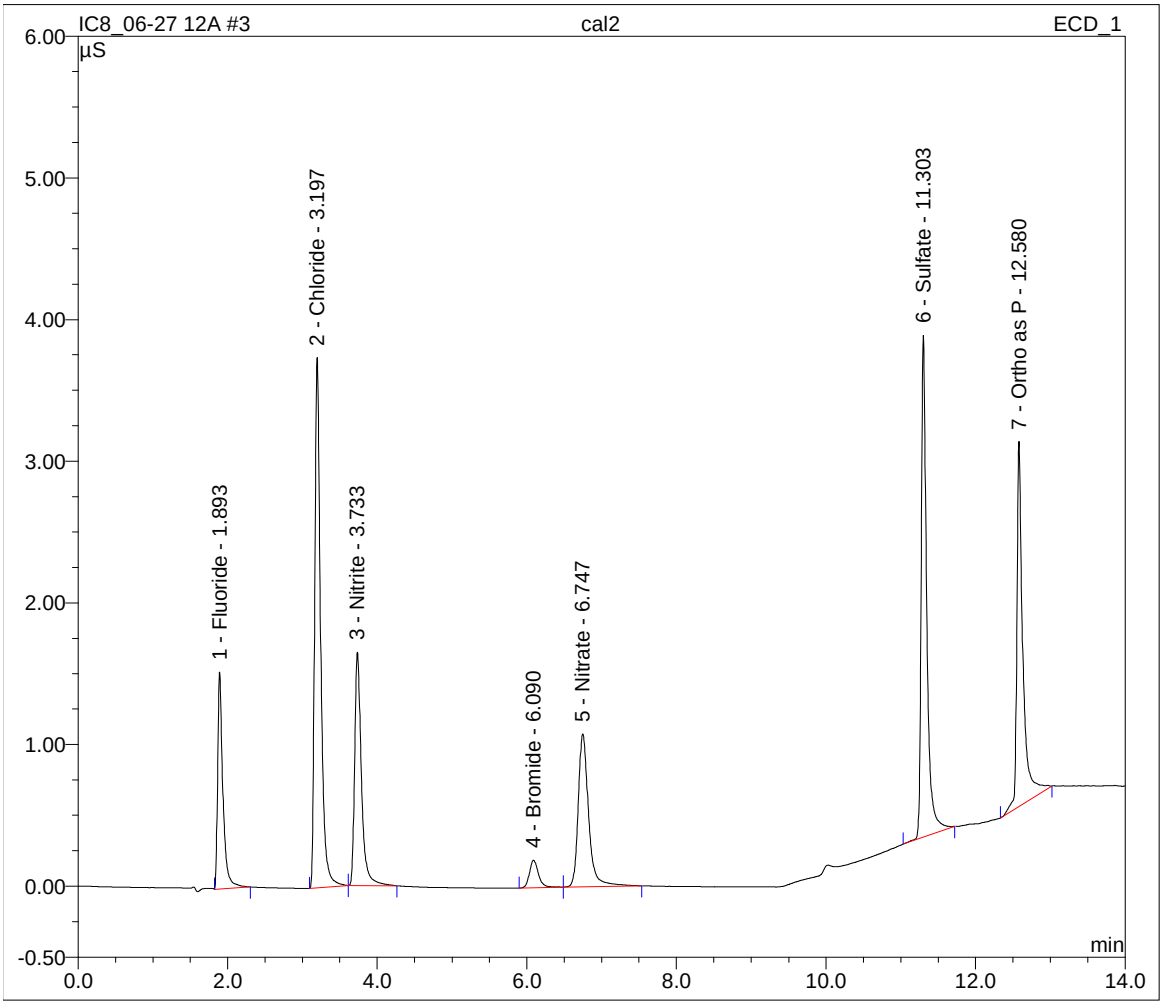
Sample Name:	**cal1**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 11:03**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.053	0.651	0.1929
2	3.20	Chloride	BMB	0.142	1.533	1.0209
3	3.73	Nitrite	BMB	0.070	0.678	0.2025
4	6.09	Bromide	BMB	0.011	0.080	0.2182
5	6.75	Nitrate	BMB	0.071	0.436	0.2176
6	11.31	Sulfate	BMB	0.134	1.464	0.9746
7	12.58	Ortho as P	BMB	0.175	1.617	0.1681
		TOTAL:		0.66	6.46	2.99



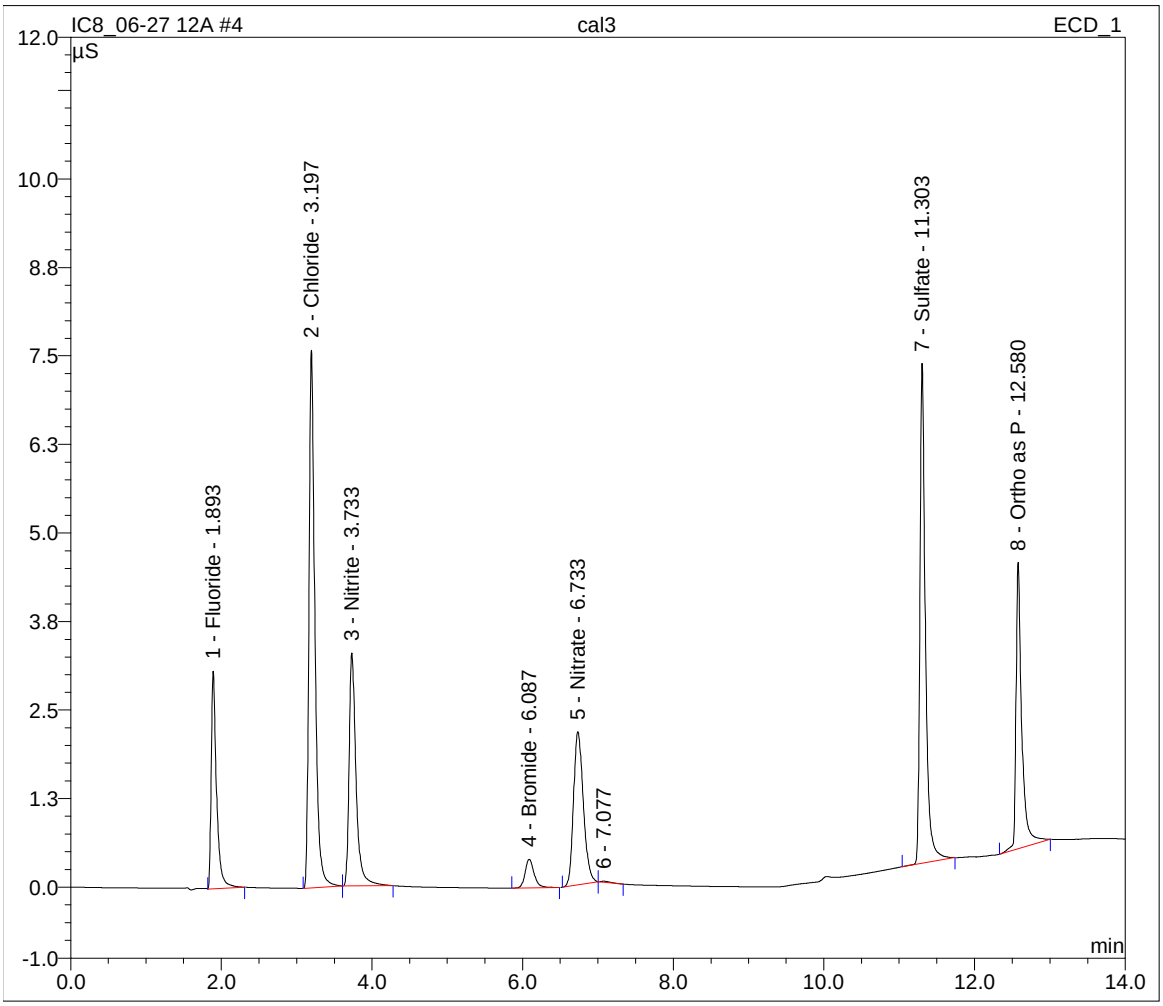
Sample Name:	**cal2**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 11:20**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.125	1.531	0.4953
2	3.20	Chloride	BMB	0.346	3.743	2.4656
3	3.73	Nitrite	bMB	0.172	1.648	0.4906
4	6.09	Bromide	BMB	0.027	0.195	0.4841
5	6.75	Nitrate	bMB	0.173	1.079	0.4959
6	11.30	Sulfate	BMB	0.306	3.543	2.4770
7	12.58	Ortho as P	BMB	0.242	2.578	0.5111
		TOTAL:		1.39	14.32	7.42



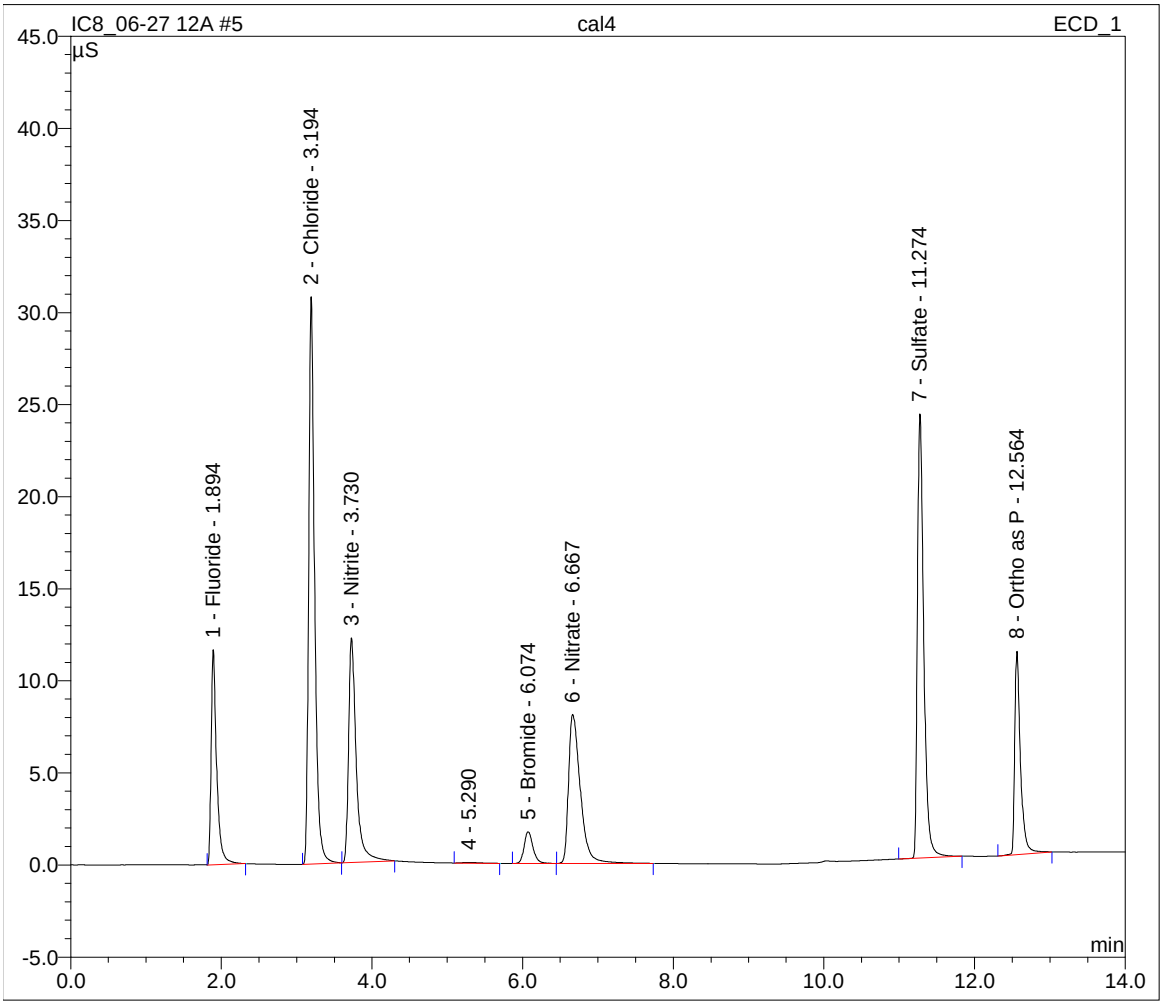
Sample Name:	**cal3**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 11:36**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.252	3.073	1.0266
2	3.20	Chloride	BMB	0.698	7.590	4.9651
3	3.73	Nitrite	BMB	0.352	3.289	0.9957
4	6.09	Bromide	BMB	0.055	0.402	0.9505
5	6.73	Nitrate	BMb	0.326	2.162	0.9121
7	11.30	Sulfate	BMB	0.608	7.055	5.1242
8	12.58	Ortho as P	BMB	0.359	4.043	1.1078
		TOTAL:		2.65	27.61	15.08



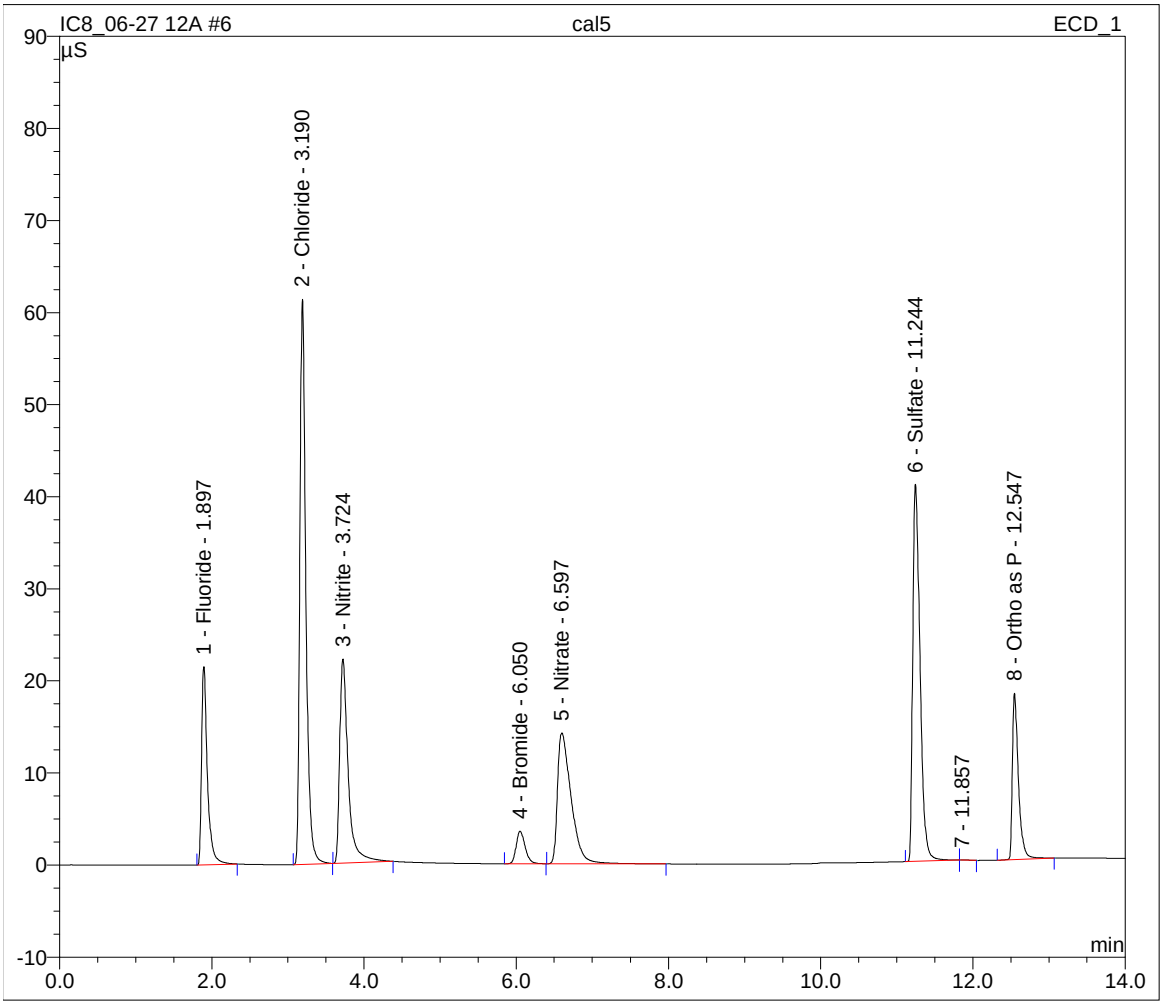
Sample Name:	**cal4**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 12:15**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.992	11.687	4.1333
2	3.19	Chloride	BMB	2.814	30.815	19.9594
3	3.73	Nitrite	BMB	1.443	12.198	4.0584
5	6.07	Bromide	BMB	0.234	1.720	3.8960
6	6.67	Nitrate	BMB	1.461	8.088	3.9999
7	11.27	Sulfate	BMB	2.351	24.114	20.4077
8	12.56	Ortho as P	BMB	0.977	11.044	4.2717
		TOTAL:		10.27	99.66	60.73



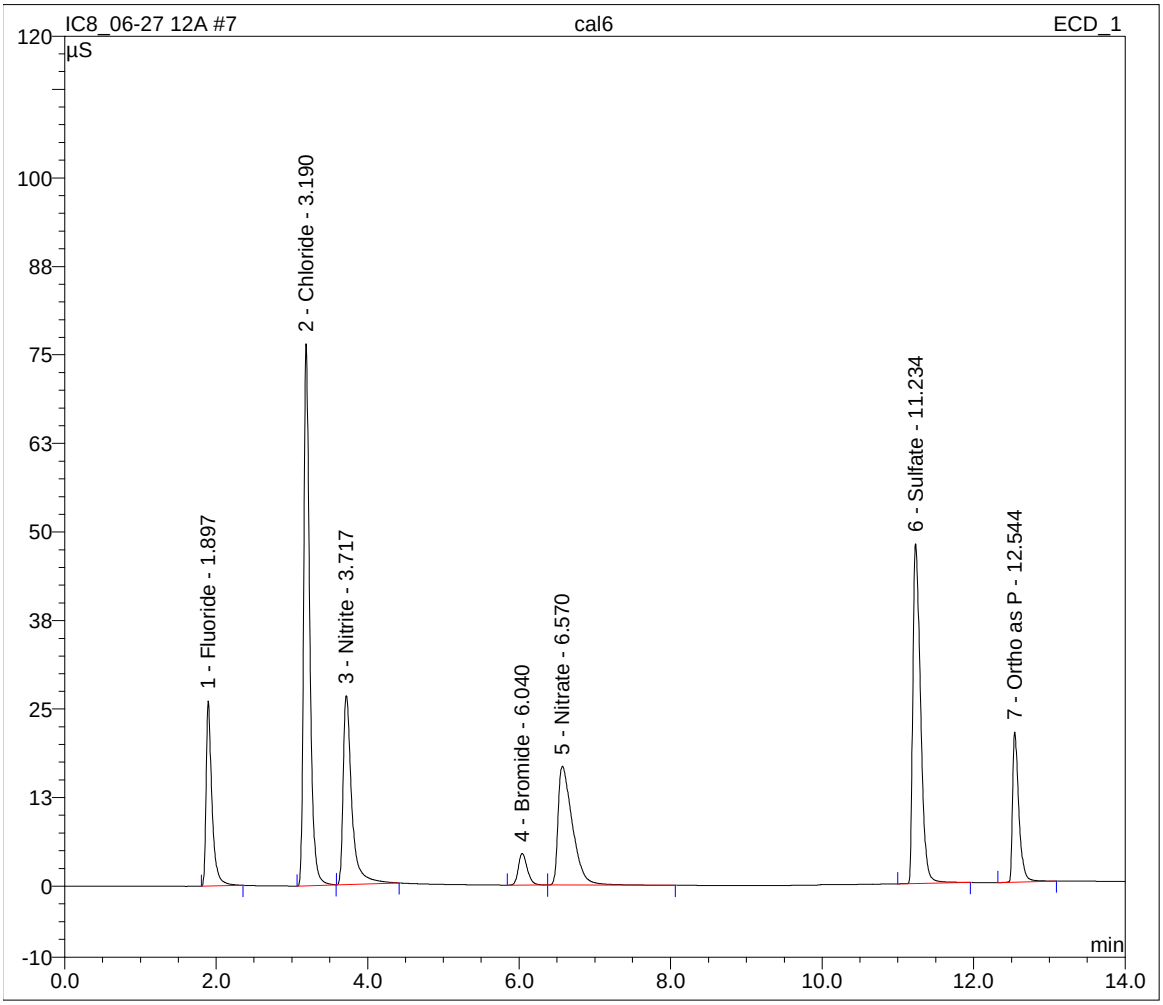
Sample Name:	**cal5**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 12:32**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	1.912	21.558	7.9960
2	3.19	Chloride	BMB	5.645	61.408	40.0214
3	3.72	Nitrite	BMB	2.857	22.176	8.0299
4	6.05	Bromide	BMB	0.485	3.547	8.0439
5	6.60	Nitrate	BMB	2.943	14.189	8.0328
6	11.24	Sulfate	BMb	4.563	40.946	39.8085
8	12.55	Ortho as P	BMB	1.685	18.056	7.8956
		TOTAL:		20.09	181.88	119.83



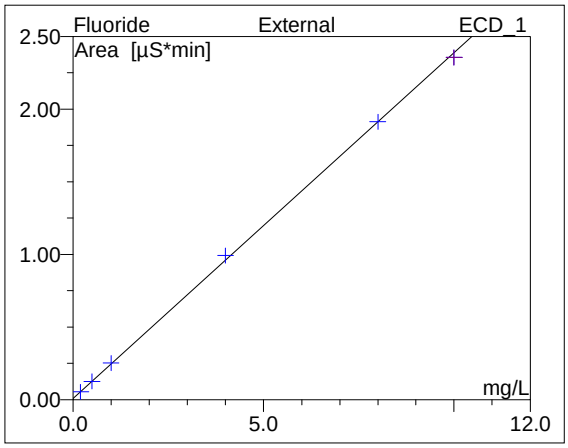
Sample Name:	**cal6**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 12:49**	*Run Time:*	**14.00**

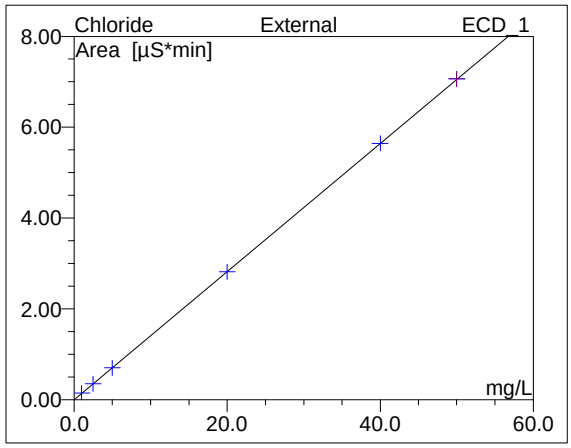
No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	2.355	26.115	9.8559
2	3.19	Chloride	BMB	7.063	76.532	50.0676
3	3.72	Nitrite	BMB	3.532	26.644	9.9230
4	6.04	Bromide	BMB	0.610	4.443	10.1073
5	6.57	Nitrate	BMB	3.682	16.762	10.0417
6	11.23	Sulfate	BMB	5.692	47.967	49.7079
7	12.54	Ortho as P	BMB	2.047	21.191	9.7457
TOTAL:				24.98	219.65	149.45

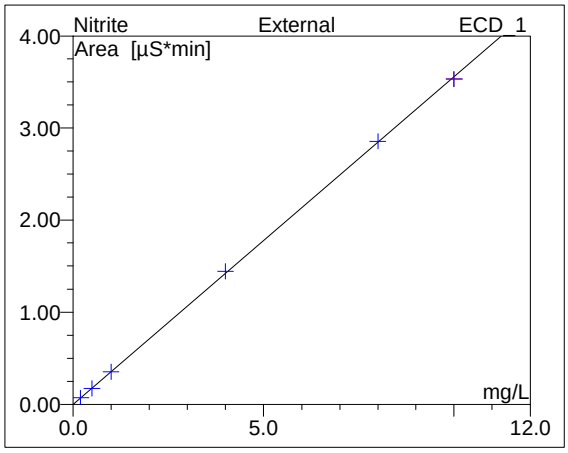


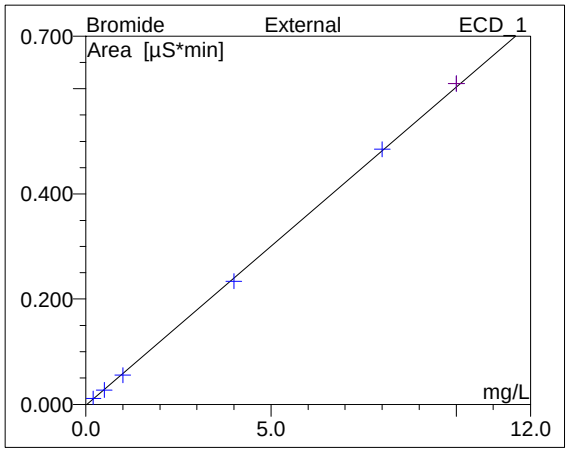
Calibration Batch Report

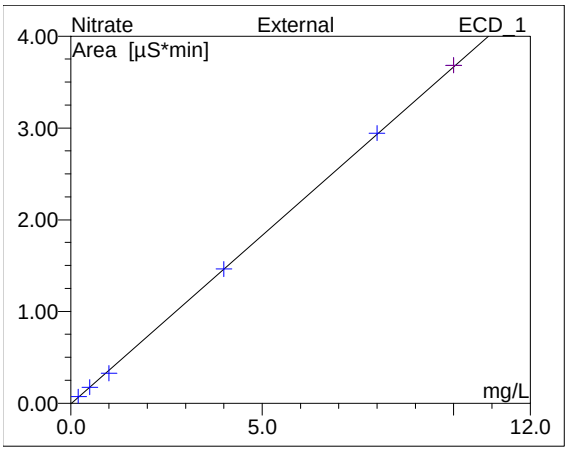
Sequence:	**IC8_06-27 12A**	Inj. Vol.:	**10.0**
Program:	**7 Anion**	Operator:	**DENPC241**
Inj. Date/Time:	**06/27/12 12:49**	Run Time:	**14.00**

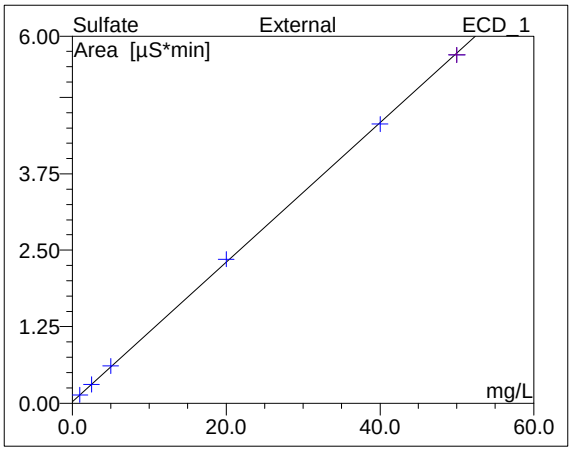




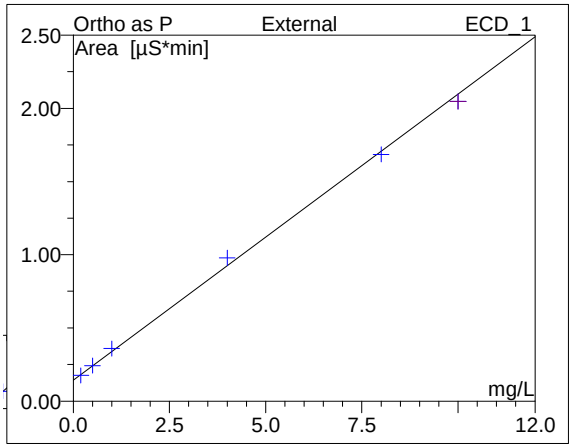








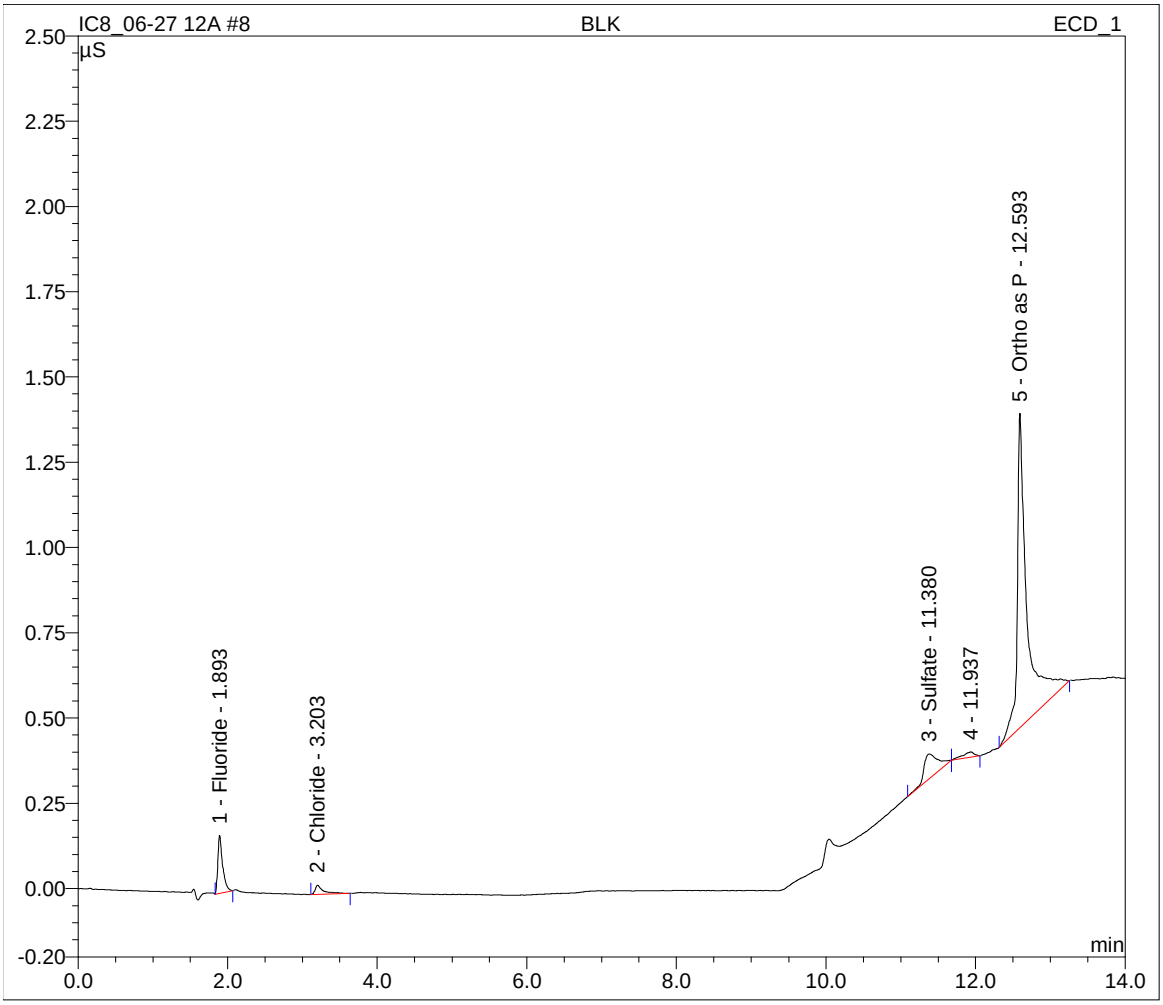
Program:	**7 Anion**	*Operator:*	**n.a.**
Ini. Date/Time:	**06/27/12 12:49**	*Run Time:*	**14.00**



No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
1	1.90	Fluoride	XLOff	6	0.007	0.238	0.000	99.981
2	3.19	Chloride	XLOff	6	-0.002	0.141	0.000	99.999
3	3.72	Nitrite	XLOff	6	-0.003	0.356	0.000	99.995
4	6.04	Bromide	XLOff	6	-0.002	0.061	0.000	99.978
5	6.57	Nitrate	XLOff	6	-0.009	0.368	0.000	99.975
6	11.23	Sulfate	XLOff	6	0.023	0.114	0.000	99.992
7	12.54	Ortho as P	XLOff	6	0.142	0.195	0.000	99.889
AVERAGE:					0.0223	0.2104	0.0000	99.9728

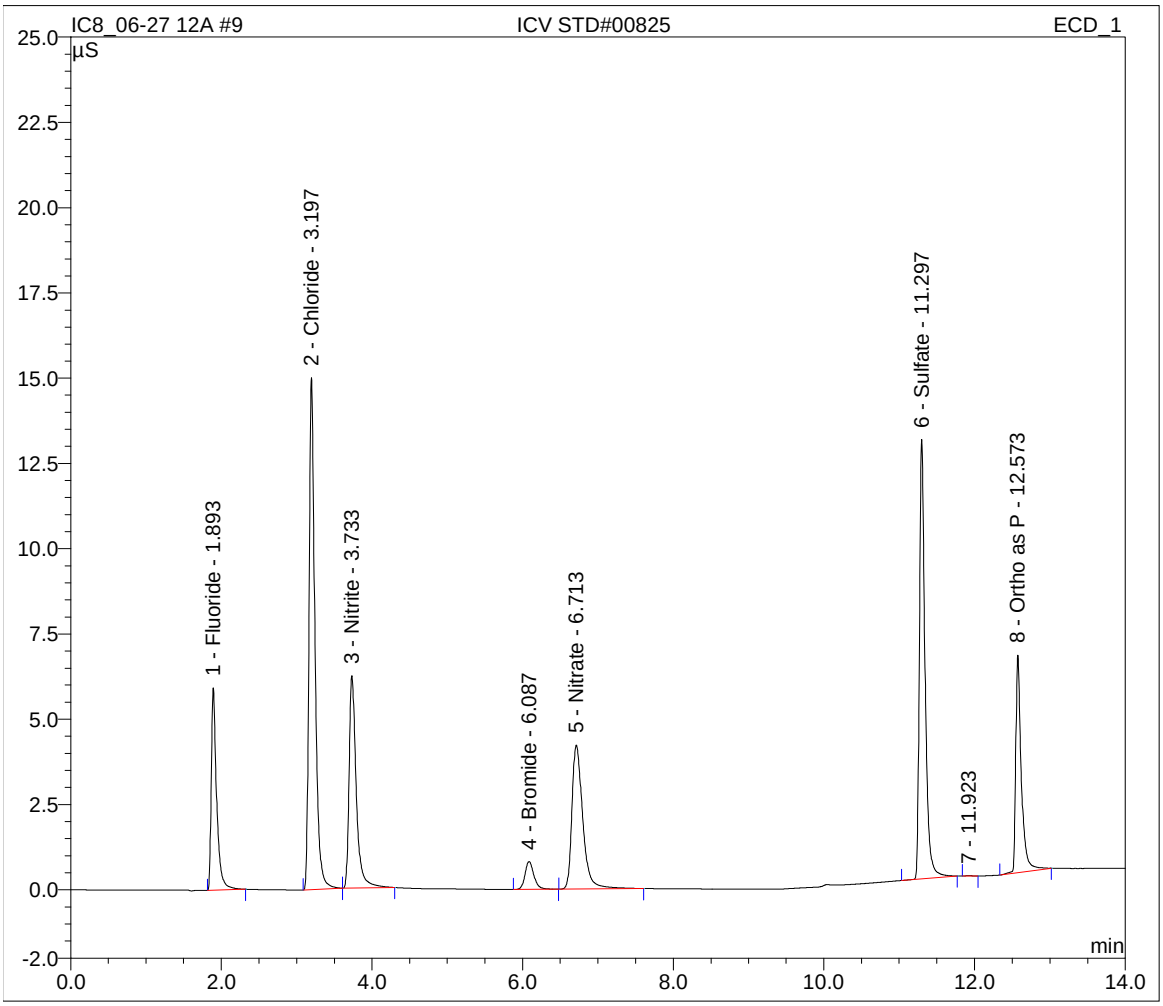
Sample Name:	**BLK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 13:06**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.013	0.170	0.0236
2	3.20	Chloride	BMB	0.004	0.026	0.0415
3	11.38	Sulfate	BMB	0.015	0.072	-0.0729
5	12.59	Ortho as P	BMB	0.141	0.922	-0.0066
		TOTAL:		0.17	1.19	-0.01



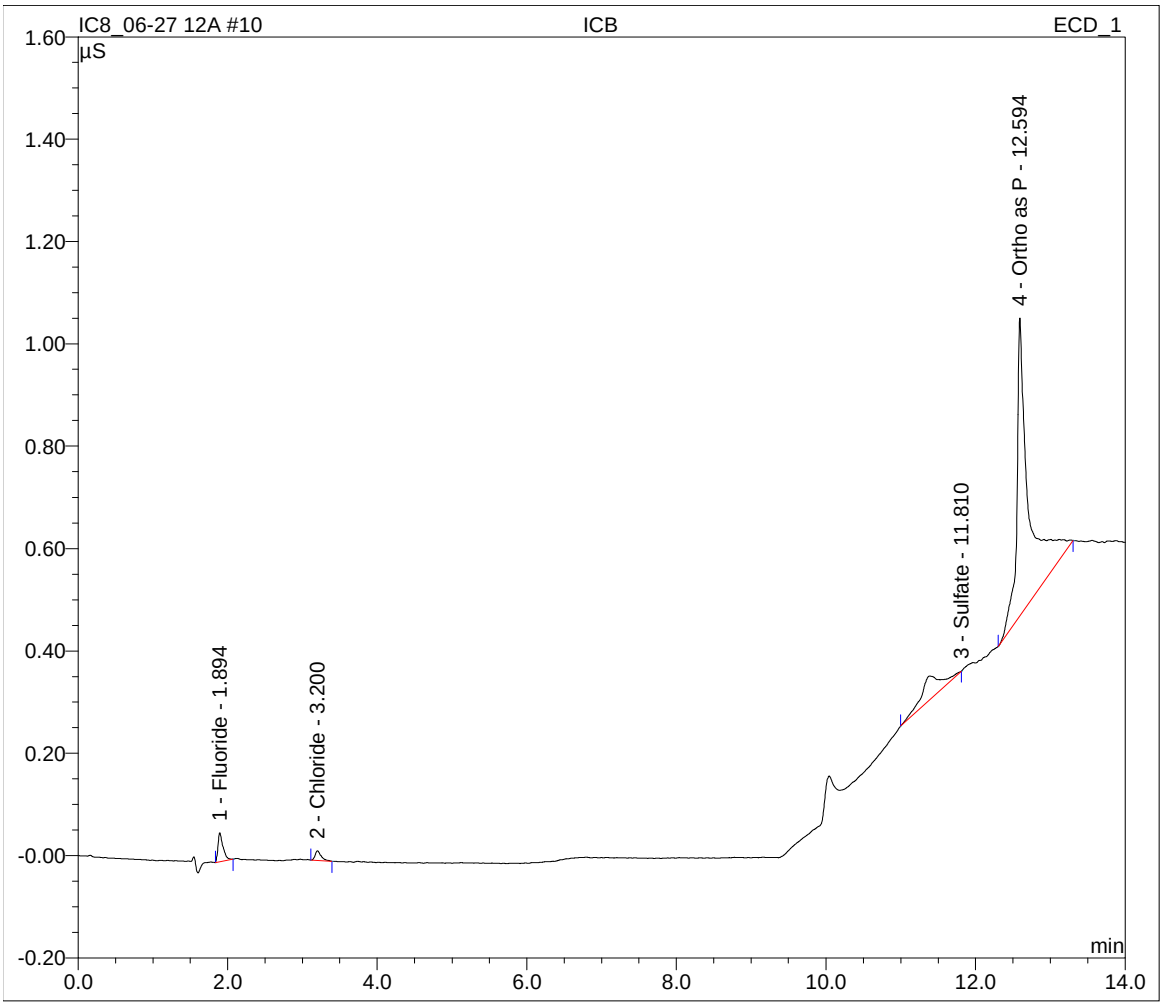
Sample Name:	**ICV STD#00825**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 13:39**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.492	5.929	2.0362
2	3.20	Chloride	BMB	1.374	15.003	9.7525
3	3.73	Nitrite	BMB	0.687	6.230	1.9372
4	6.09	Bromide	BMB	0.111	0.812	1.8616
5	6.71	Nitrate	BMB	0.702	4.218	1.9339
6	11.30	Sulfate	BMB	1.132	12.882	9.7210
8	12.57	Ortho as P	BMB	0.551	6.382	2.0952
TOTAL:				5.05	51.46	29.34



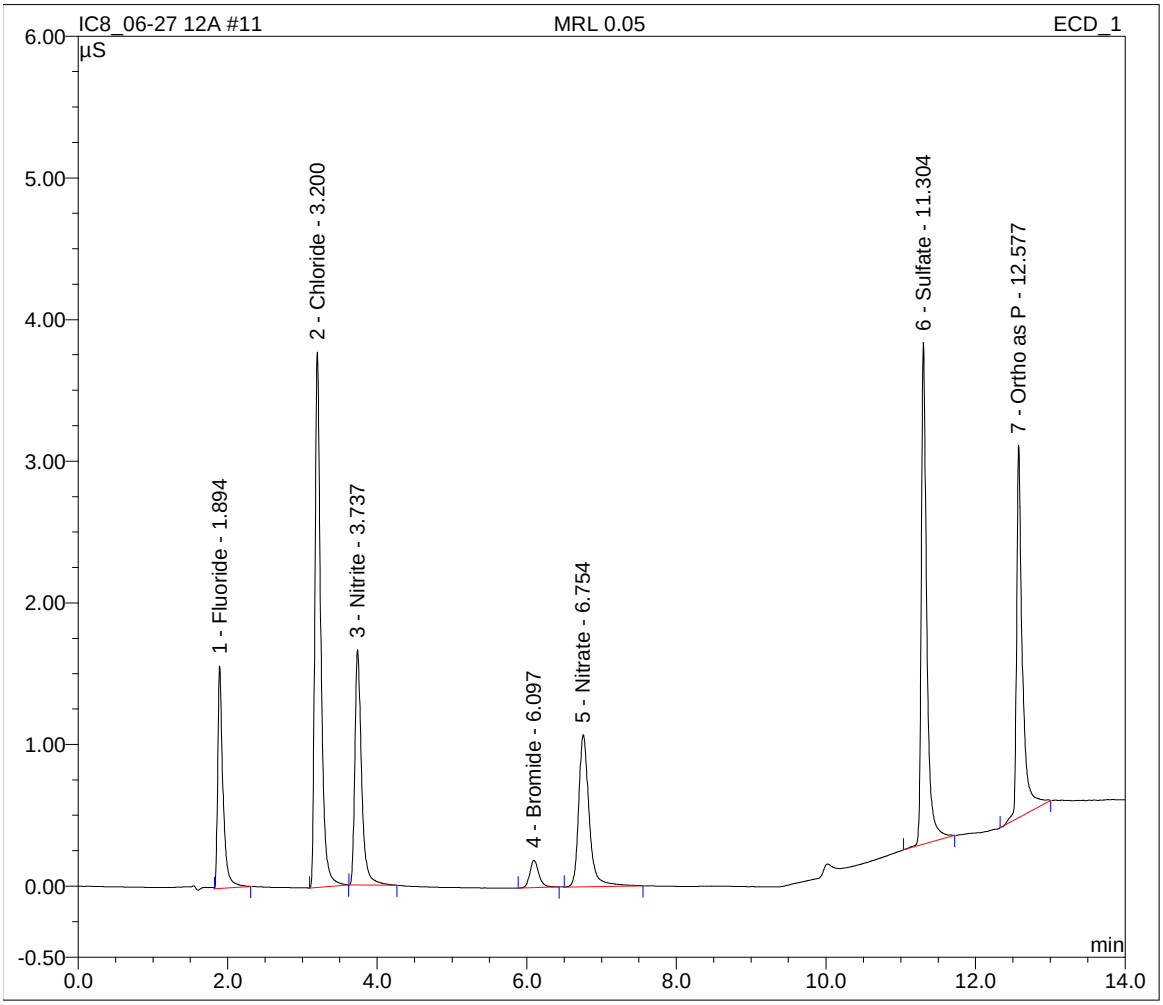
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 13:56**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.004	0.057	-0.0117
2	3.20	Chloride	BMB	0.002	0.019	0.0291
3	11.81	Sulfate	BMB	0.013	0.000	-0.0867
4	12.59	Ortho as P	BMB	0.109	0.582	-0.1705
TOTAL:				0.13	0.66	-0.24



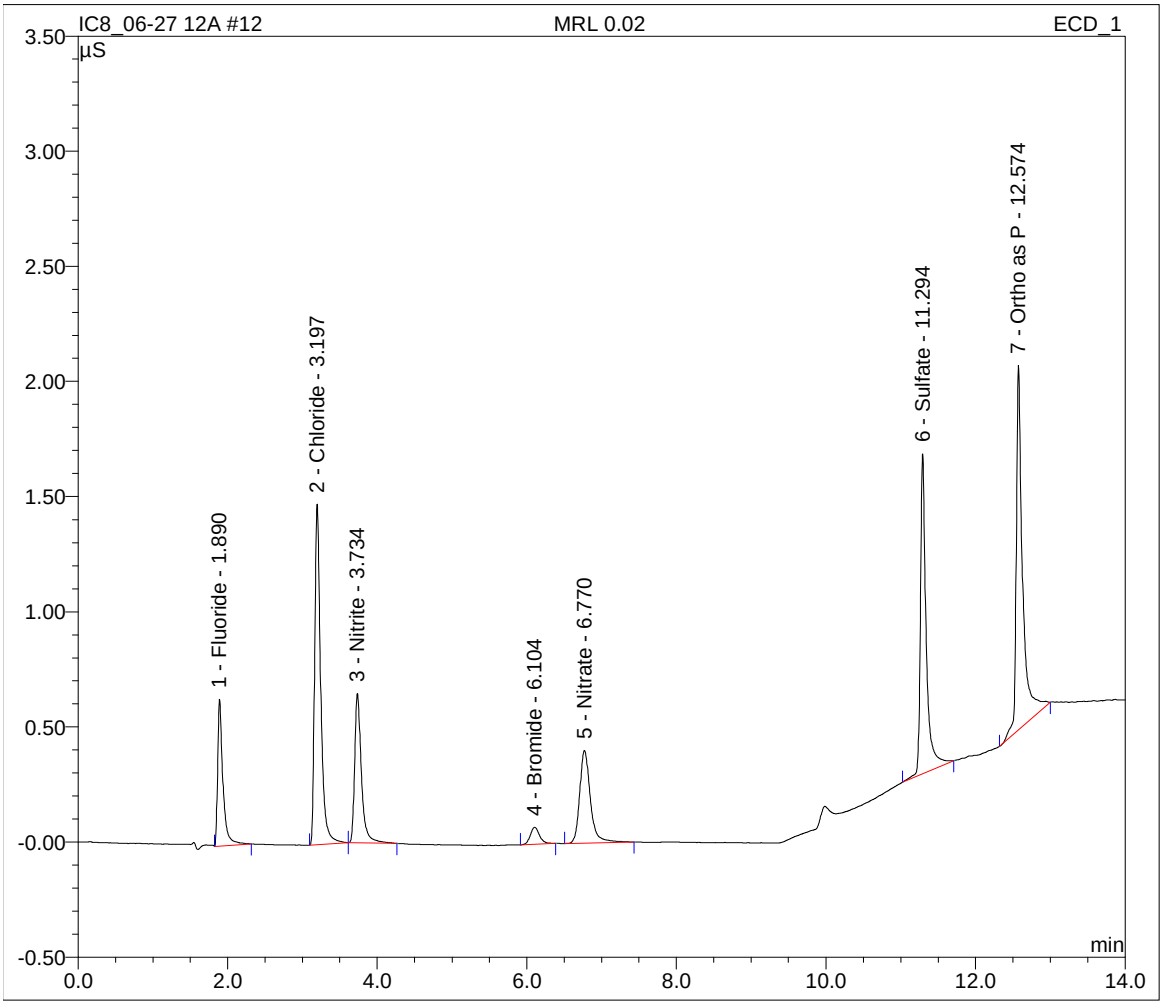
Sample Name:	**MRL 0.05**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 14:13**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.128	1.571	0.5080
2	3.20	Chloride	BMB	0.349	3.778	2.4903
3	3.74	Nitrite	BMB	0.173	1.662	0.4925
4	6.10	Bromide	BMB	0.027	0.193	0.4795
5	6.75	Nitrate	BMB	0.174	1.072	0.4981
6	11.30	Sulfate	BMB	0.303	3.542	2.4499
7	12.58	Ortho as P	BMB	0.238	2.628	0.4919
		TOTAL:		1.39	14.45	7.41



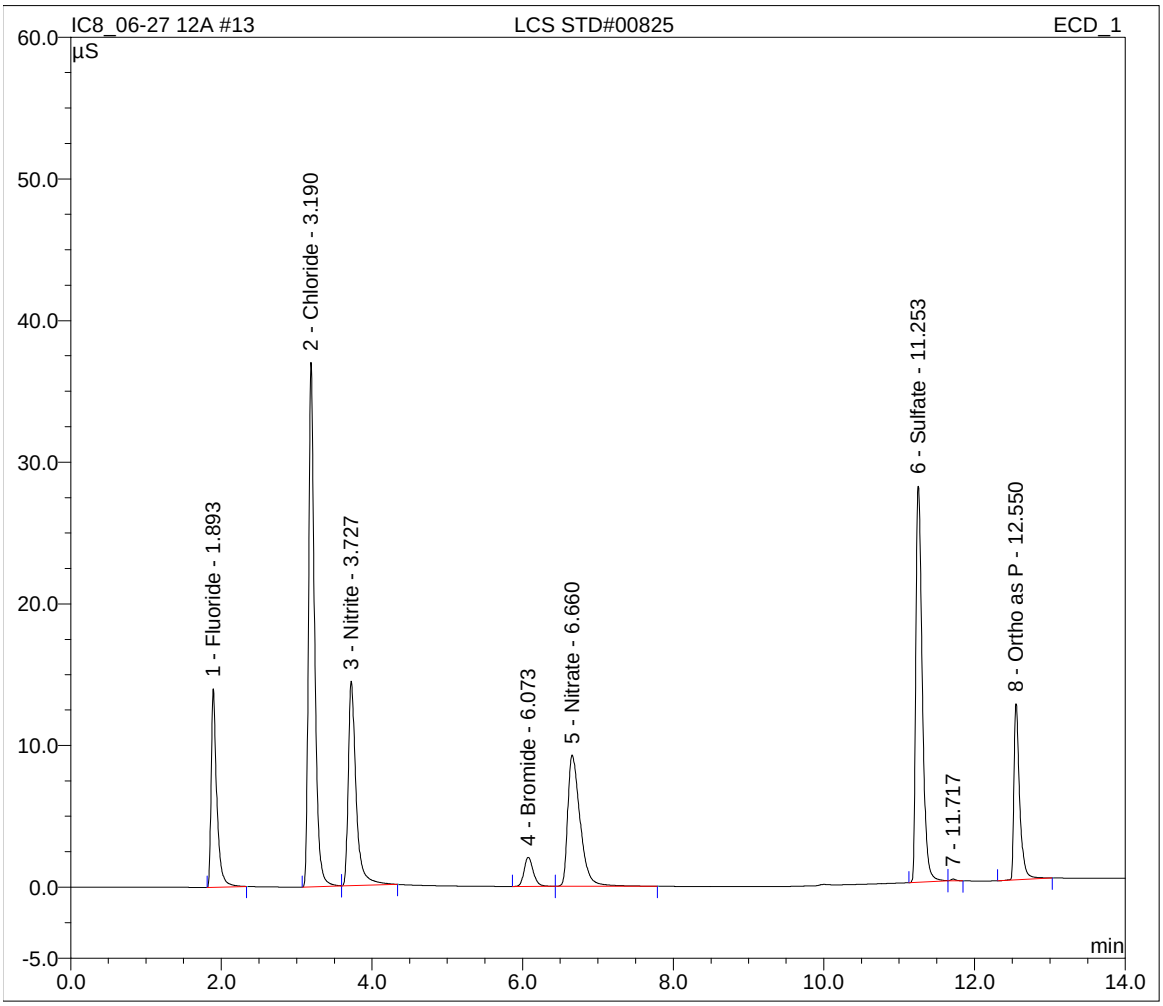
Sample Name:	**MRL 0.02**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 14:30**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.052	0.636	0.1894
2	3.20	Chloride	BMb	0.138	1.479	0.9964
3	3.73	Nitrite	bMB	0.068	0.648	0.1972
4	6.10	Bromide	BMB	0.011	0.074	0.2101
5	6.77	Nitrate	BMB	0.067	0.402	0.2064
6	11.29	Sulfate	BMB	0.126	1.390	0.8963
7	12.57	Ortho as P	BMB	0.156	1.583	0.0739
		TOTAL:		0.62	6.21	2.77



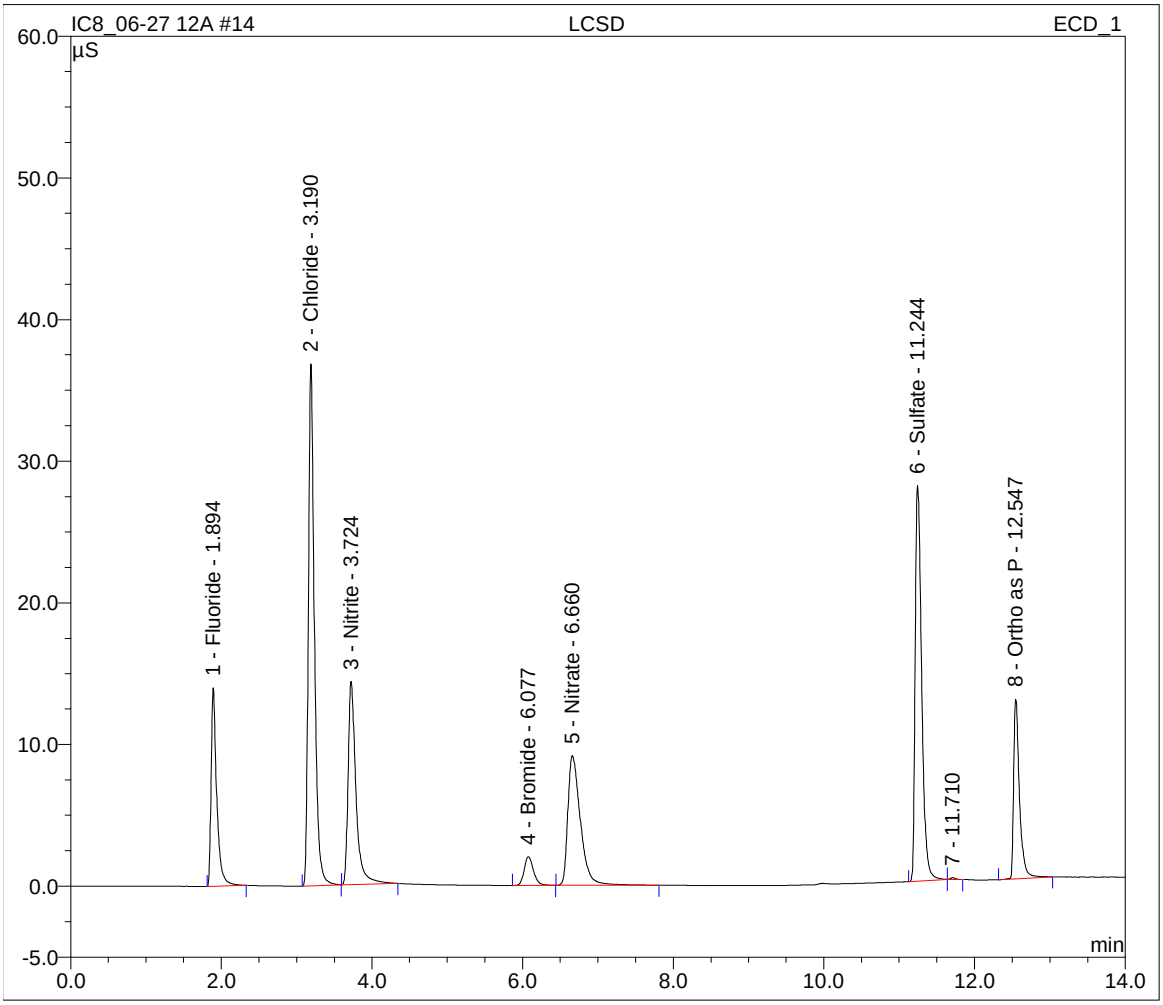
Sample Name:	**LCS STD#00825**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 14:46**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.207	14.000	5.0377
2	3.19	Chloride	BMB	3.435	37.022	24.3627
3	3.73	Nitrite	BMB	1.742	14.410	4.8991
4	6.07	Bromide	BMb	0.288	2.047	4.7926
5	6.66	Nitrate	bMB	1.759	9.255	4.8100
6	11.25	Sulfate	BMb	2.769	27.951	24.0796
8	12.55	Ortho as P	BMB	1.091	12.413	4.8564
		TOTAL:		12.29	117.10	72.84



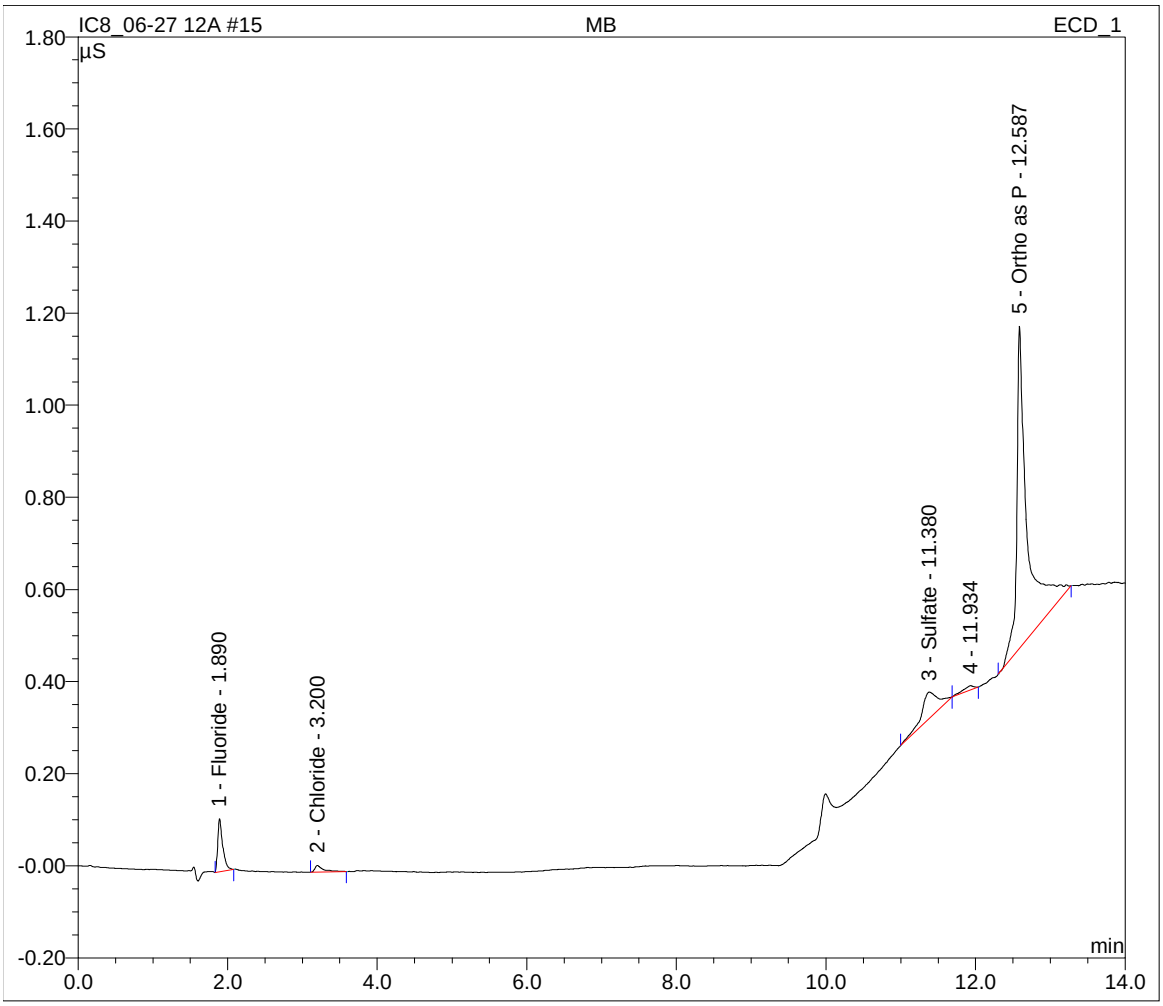
Sample Name:	**LCSD**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 15:03**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.211	13.996	5.0543
2	3.19	Chloride	BMB	3.429	36.840	24.3172
3	3.72	Nitrite	BMB	1.739	14.335	4.8895
4	6.08	Bromide	BMB	0.287	2.017	4.7769
5	6.66	Nitrate	BMB	1.761	9.148	4.8166
6	11.24	Sulfate	BMb	2.781	27.929	24.1795
8	12.55	Ortho as P	BMB	1.136	12.670	5.0860
		TOTAL:		12.34	116.94	73.12



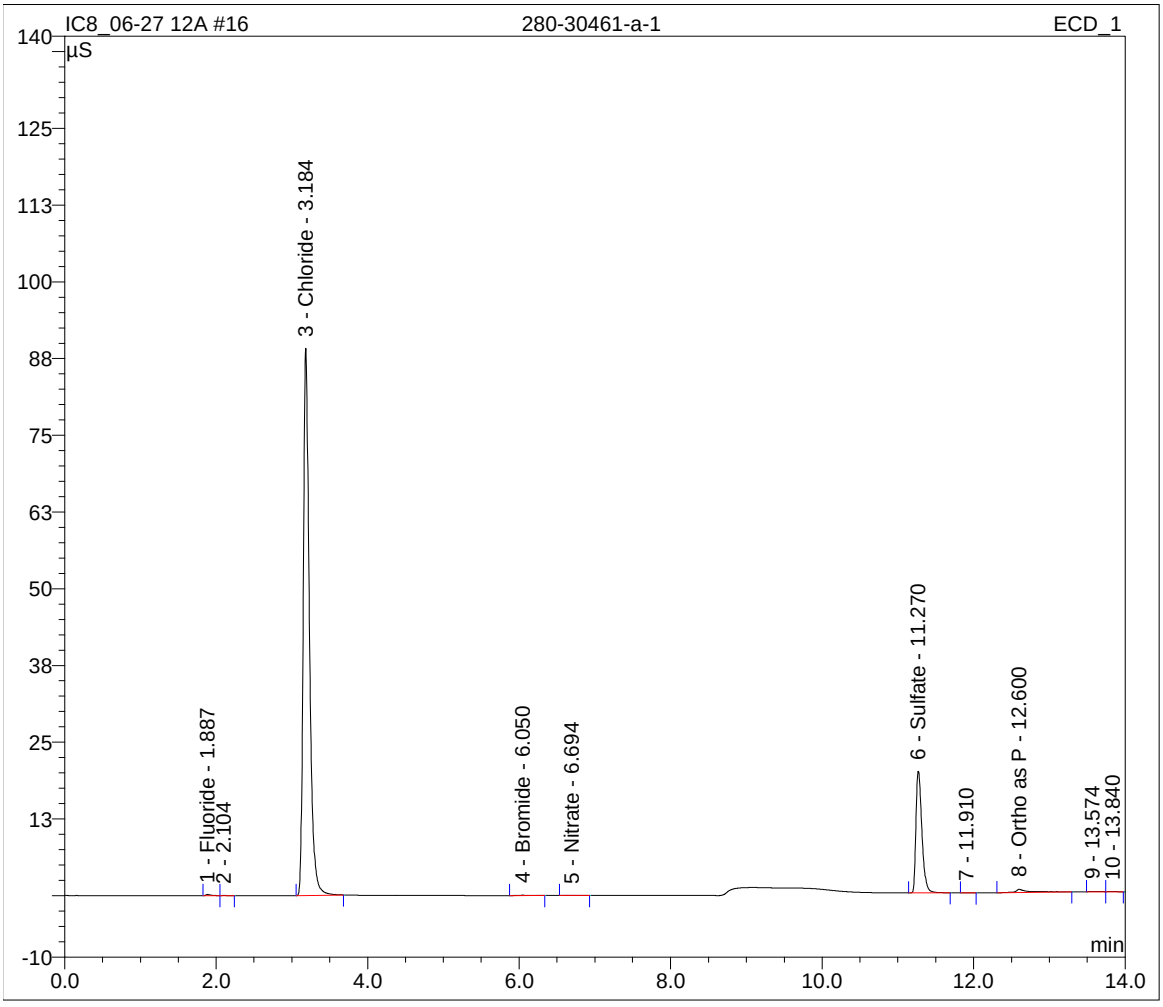
Sample Name:	**MB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 15:20**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.009	0.115	0.0075
2	3.20	Chloride	BMB	0.002	0.014	0.0300
3	11.38	Sulfate	BMB	0.014	0.057	-0.0801
5	12.59	Ortho as P	BMB	0.115	0.700	-0.1369
TOTAL:				0.14	0.89	-0.18



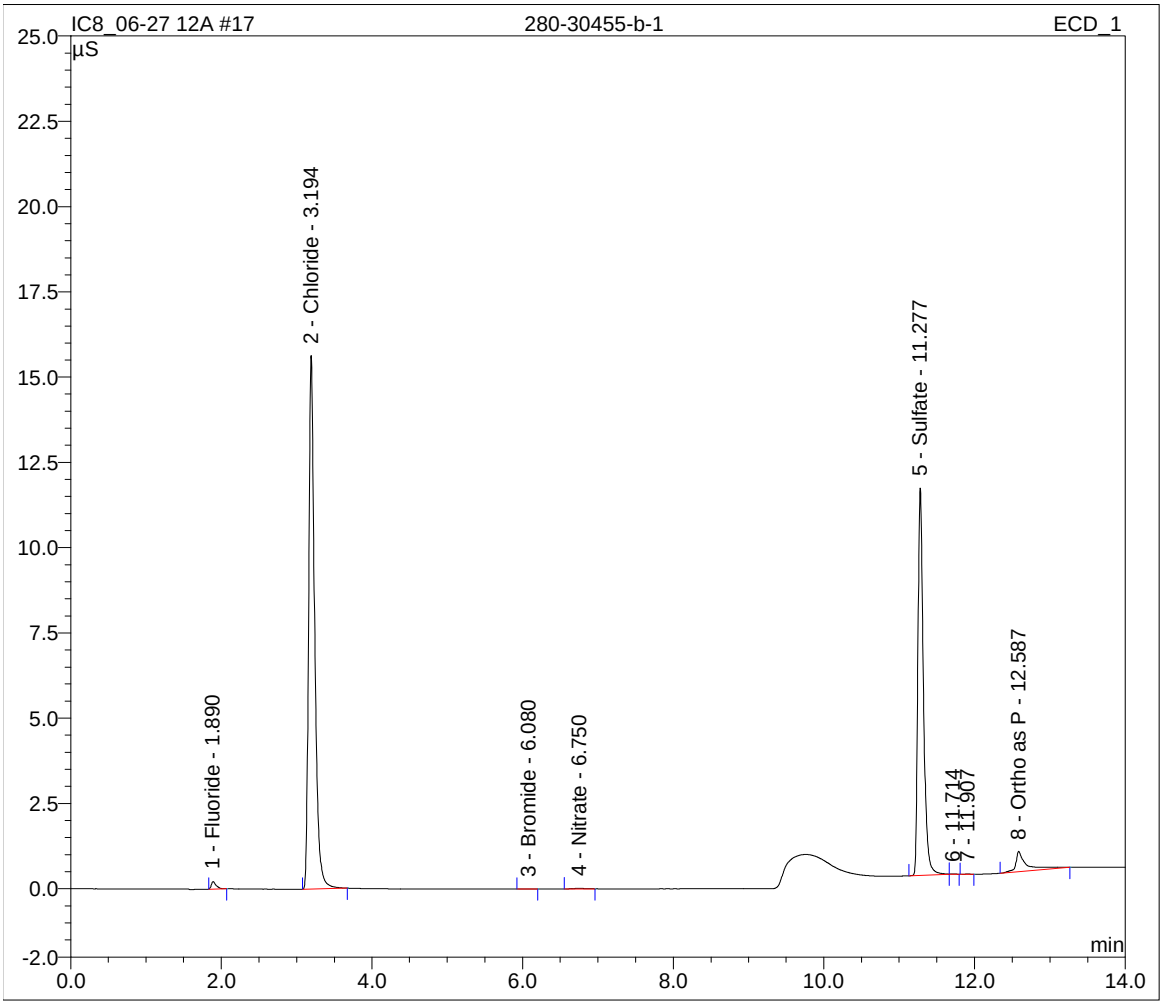
Sample Name:	**280-30461-a-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 15:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMb	0.013	0.177	0.0256
3	3.18	Chloride	BMB	8.375	89.115	59.3666
4	6.05	Bromide	BMB	0.008	0.055	0.1634
5	6.69	Nitrate	BMB	0.003	0.022	0.0346
6	11.27	Sulfate	BMB	1.802	19.795	15.5951
8	12.60	Ortho as P	BMB	0.097	0.525	-0.2322
		TOTAL:		10.30	109.69	74.95



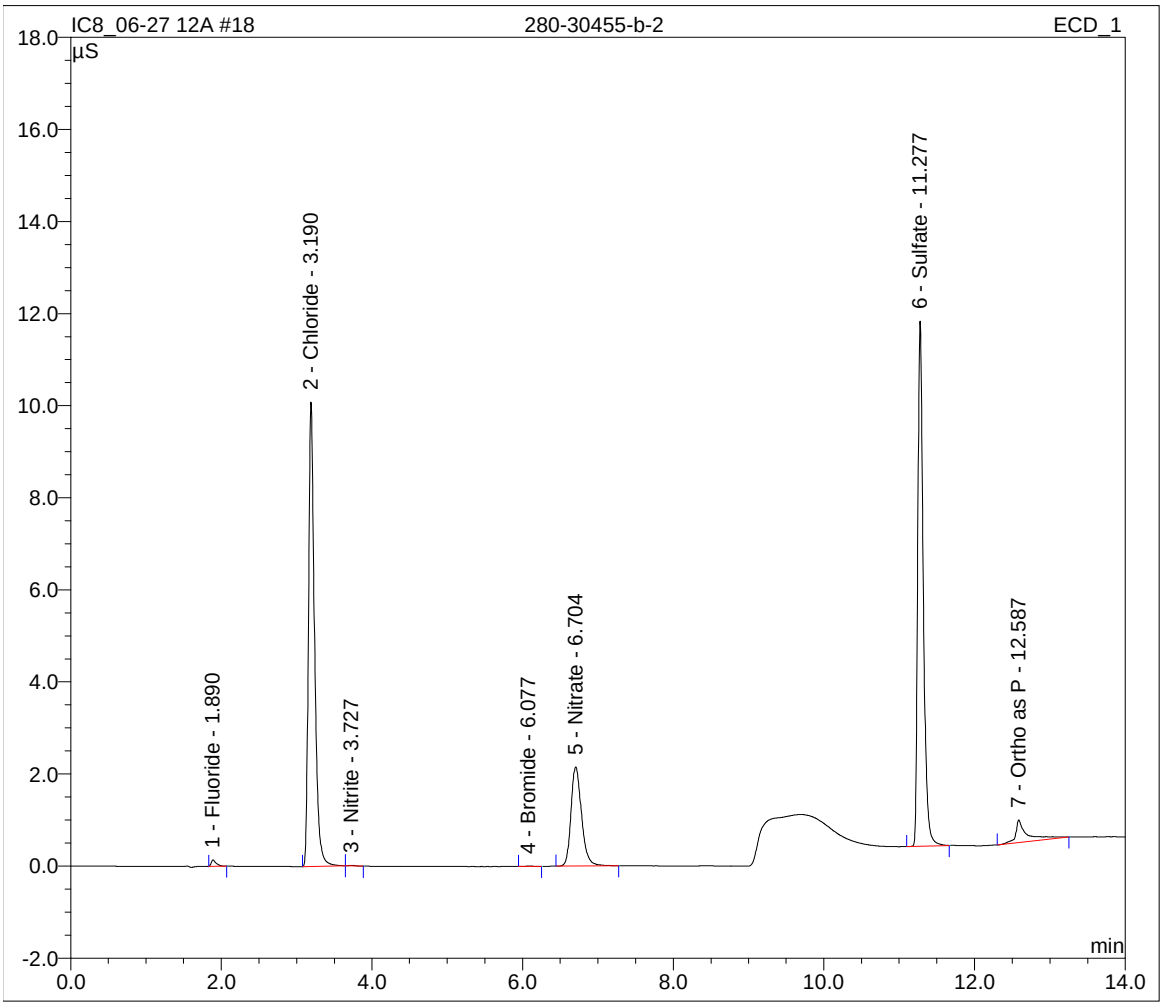
Sample Name:	**280-30455-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 15:54**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.017	0.220	0.0396
2	3.19	Chloride	BMB	1.444	15.636	10.2463
3	6.08	Bromide	BMB	0.001	0.004	0.0433
4	6.75	Nitrate	BMB	0.002	0.015	0.0319
5	11.28	Sulfate	BMb	0.966	11.358	8.2634
8	12.59	Ortho as P	BMB	0.102	0.599	-0.2059
		TOTAL:		2.53	27.83	18.42



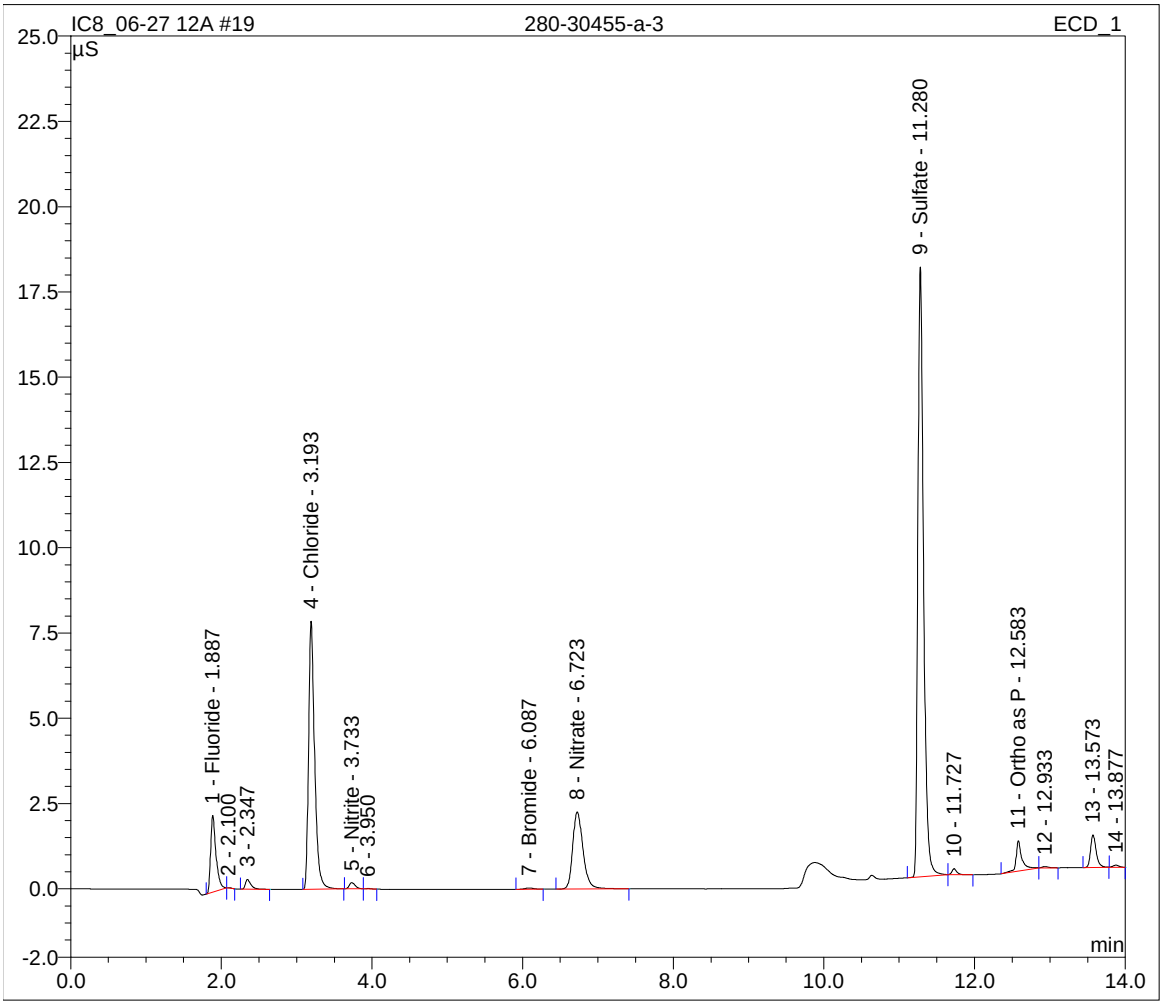
Sample Name:	**280-30455-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 16:10**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.011	0.142	0.0154
2	3.19	Chloride	BMb	0.938	10.086	6.6646
3	3.73	Nitrite	bMB	0.001	0.011	0.0101
4	6.08	Bromide	BMB	0.001	0.005	0.0451
5	6.70	Nitrate	BMB	0.349	2.152	0.9748
6	11.28	Sulfate	BMB	0.973	11.410	8.3263
7	12.59	Ortho as P	BMB	0.087	0.492	-0.2791
TOTAL:				2.36	24.30	15.76



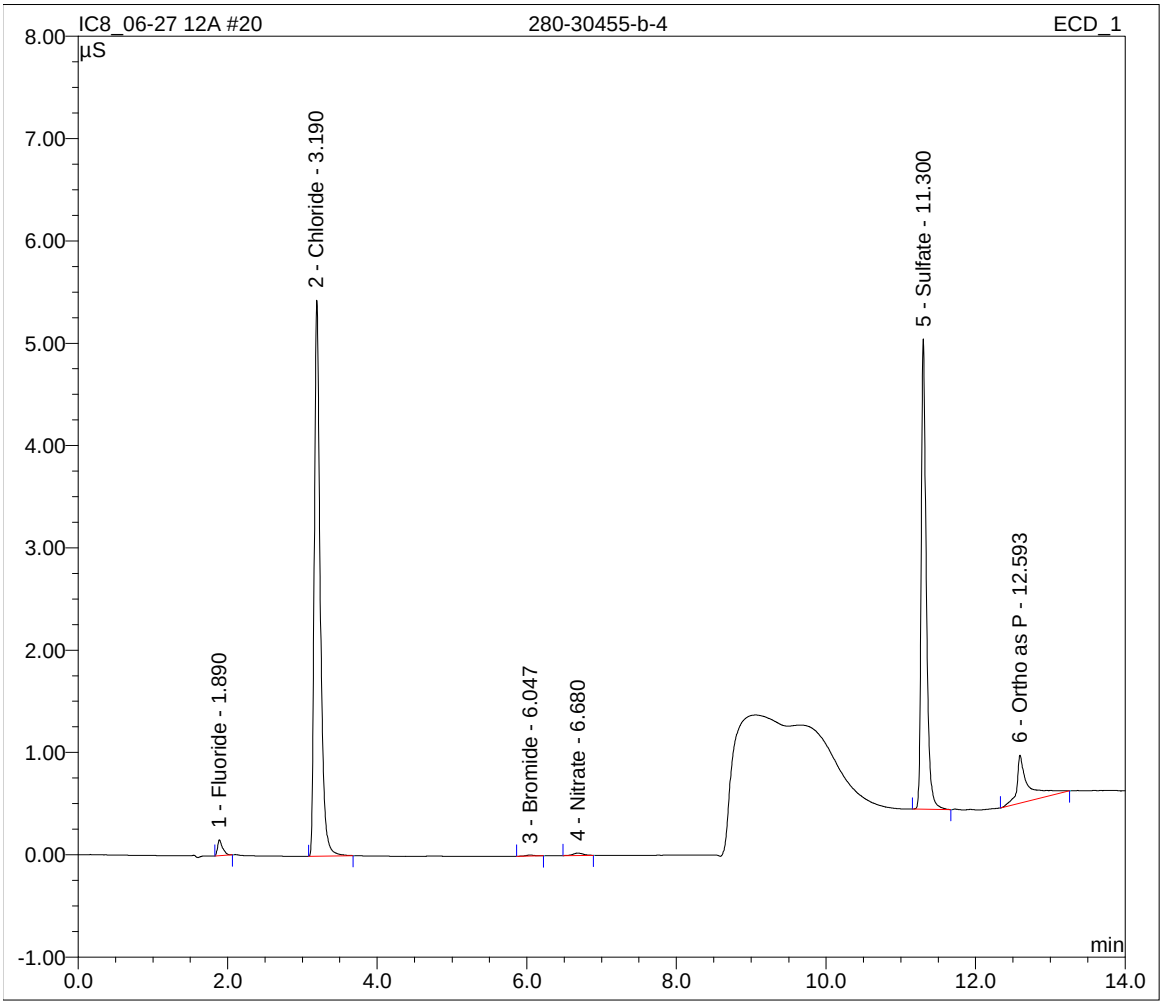
Sample Name:	**280-30455-a-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 16:27**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMb	0.185	2.248	0.7463
4	3.19	Chloride	BMB	0.732	7.865	5.2019
5	3.73	Nitrite	BMb	0.017	0.185	0.0555
7	6.09	Bromide	BMB	0.005	0.038	0.1198
8	6.72	Nitrate	BMB	0.360	2.258	1.0041
9	11.28	Sulfate	BMb	1.567	17.880	13.5352
11	12.58	Ortho as P	BMB	0.080	0.890	-0.3186
TOTAL:				2.95	31.36	20.34



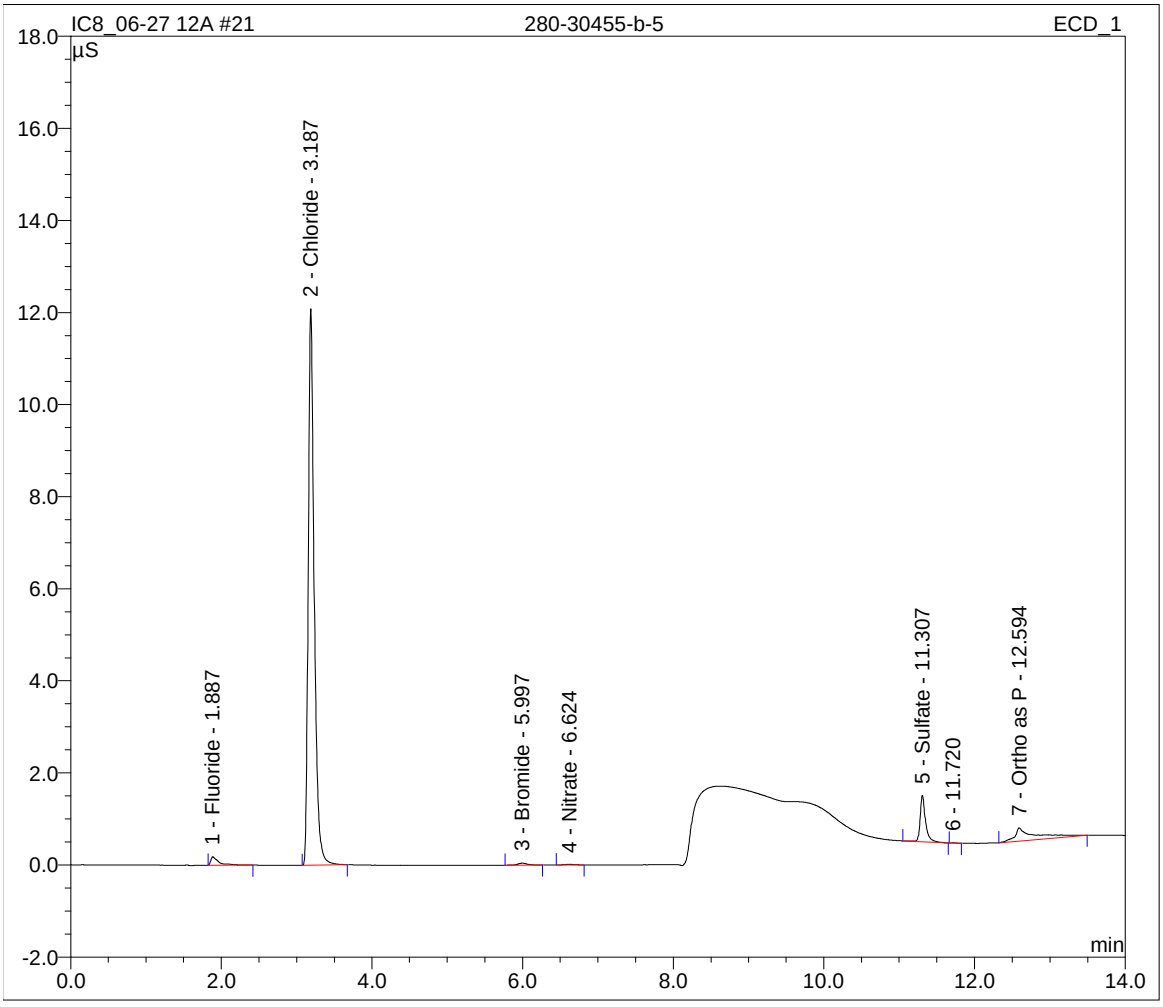
Sample Name:	**280-30455-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 16:44**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.012	0.158	0.0211
2	3.19	Chloride	BMB	0.501	5.435	3.5653
3	6.05	Bromide	BMB	0.001	0.010	0.0566
4	6.68	Nitrate	BMB	0.004	0.023	0.0351
5	11.30	Sulfate	BMB	0.365	4.600	2.9999
6	12.59	Ortho as P	BMB	0.085	0.468	-0.2928
		TOTAL:		0.97	10.69	6.39



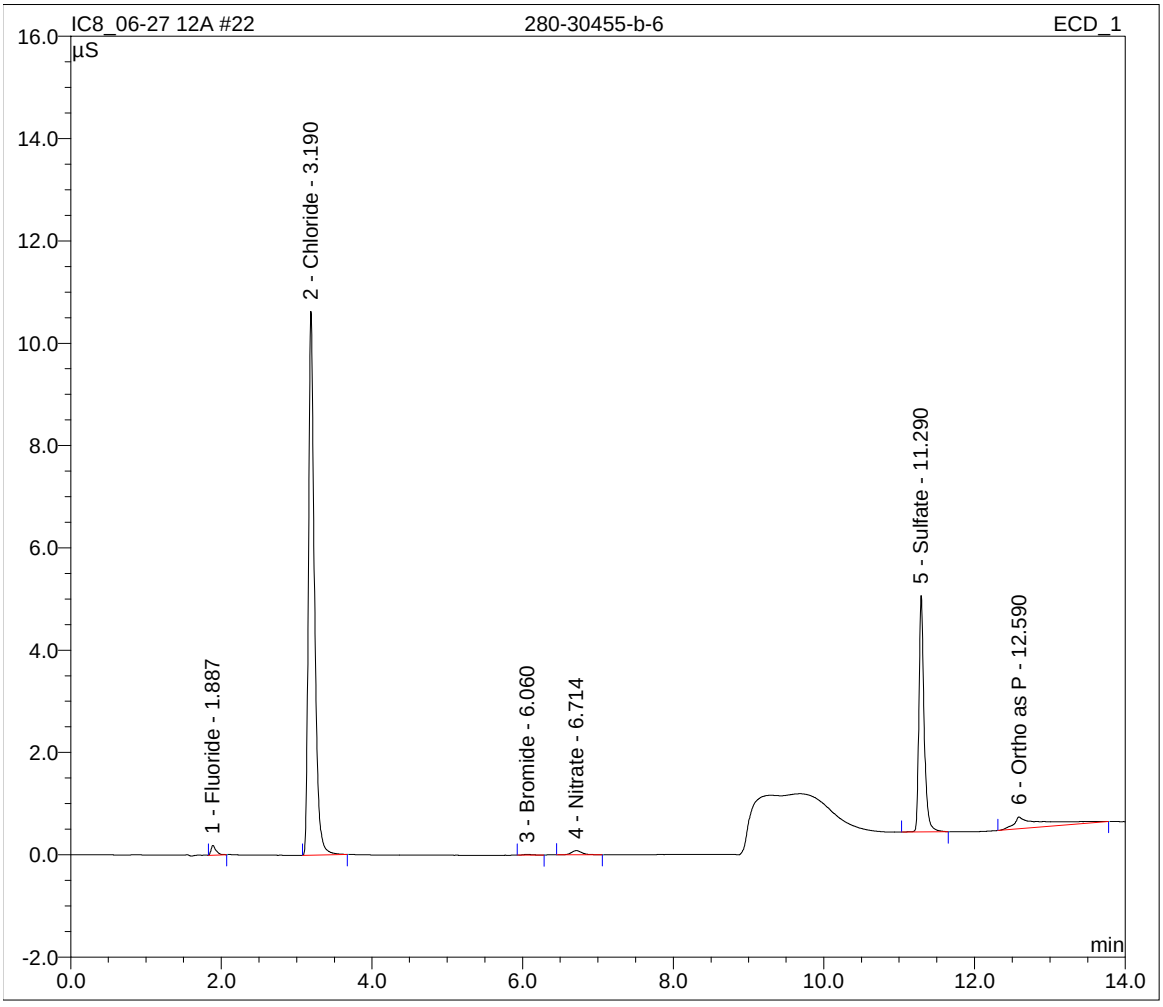
Sample Name:	**280-30455-b-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 17:01**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.023	0.184	0.0647
2	3.19	Chloride	BMB	1.114	12.091	7.9129
3	6.00	Bromide	BMB	0.006	0.042	0.1317
4	6.62	Nitrate	BMB	0.002	0.012	0.0300
5	11.31	Sulfate	BMB	0.085	1.007	0.5399
7	12.59	Ortho as P	BMB	0.088	0.285	-0.2756
		TOTAL:		1.32	13.62	8.40



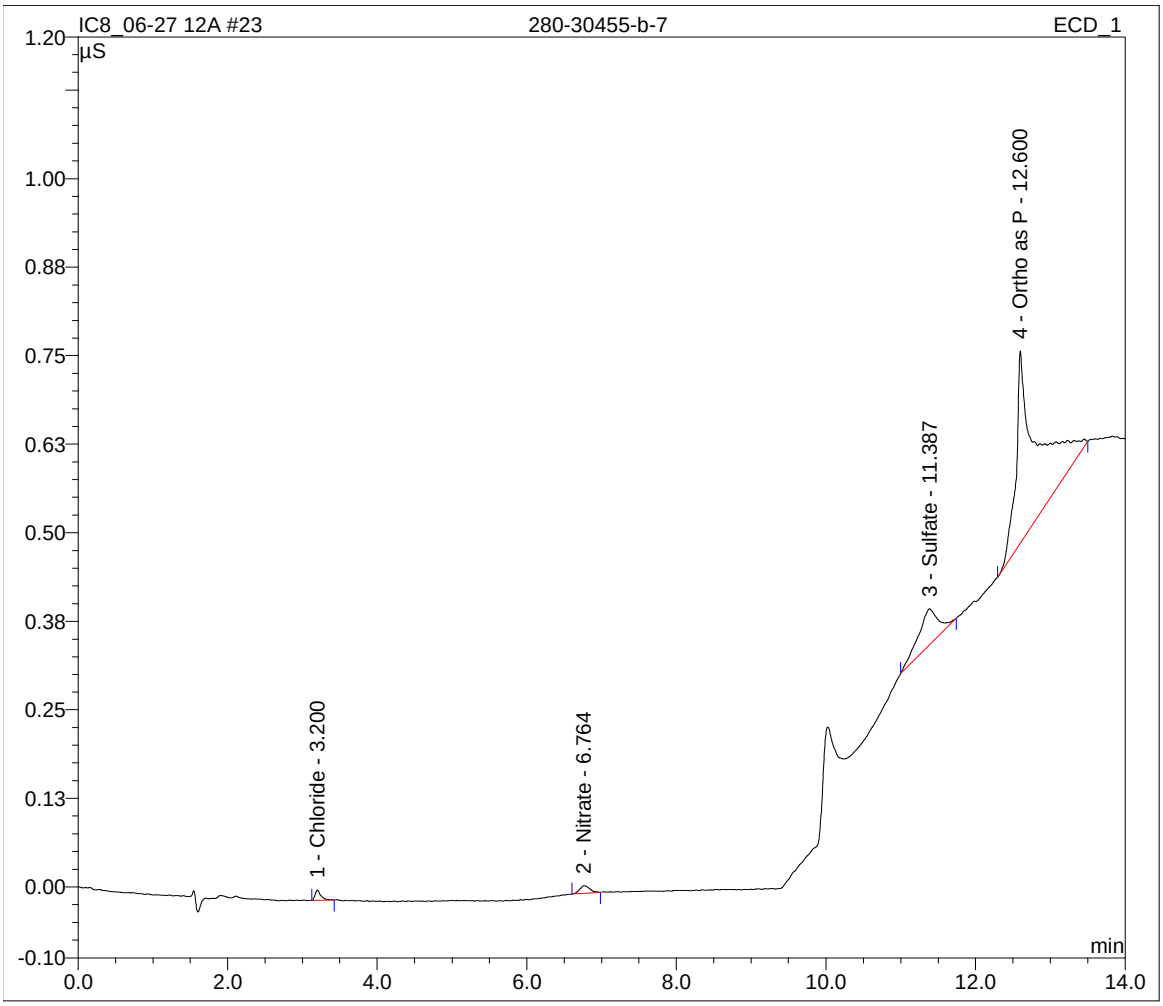
Sample Name:	**280-30455-b-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 17:18**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.014	0.189	0.0296
2	3.19	Chloride	BMB	0.982	10.631	6.9725
3	6.06	Bromide	BMB	0.002	0.013	0.0638
4	6.71	Nitrate	BMB	0.013	0.082	0.0606
5	11.29	Sulfate	BMB	0.371	4.624	3.0446
6	12.59	Ortho as P	BMB	0.106	0.233	-0.1852
		TOTAL:		1.49	15.77	9.99



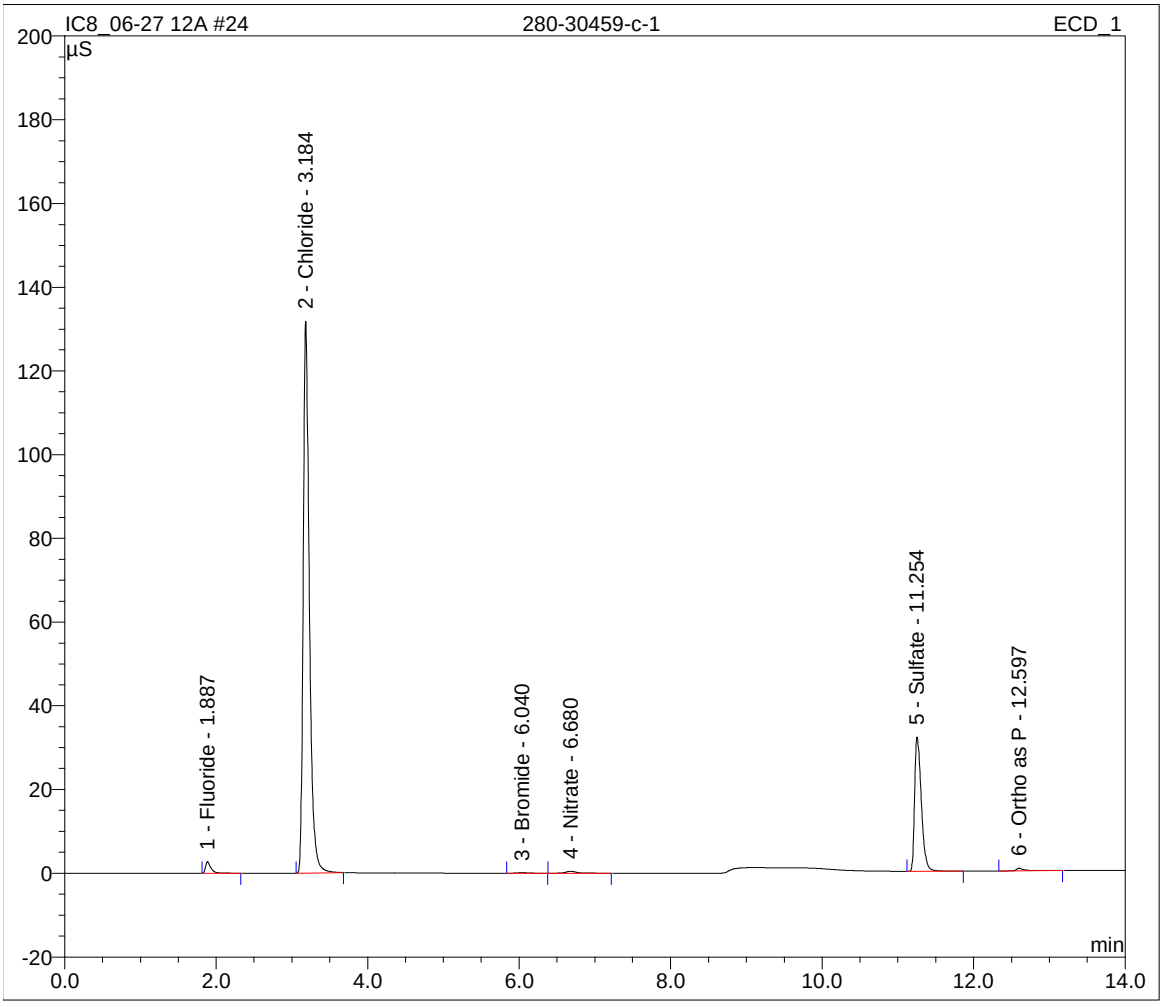
Sample Name:	**280-30455-b-7**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 17:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	3.20	Chloride	BMB	0.001	0.014	0.0259
2	6.76	Nitrate	BMB	0.002	0.011	0.0300
3	11.39	Sulfate	BMB	0.016	0.051	-0.0668
4	12.60	Ortho as P	BMB	0.088	0.270	-0.2744
TOTAL:				0.11	0.35	-0.29



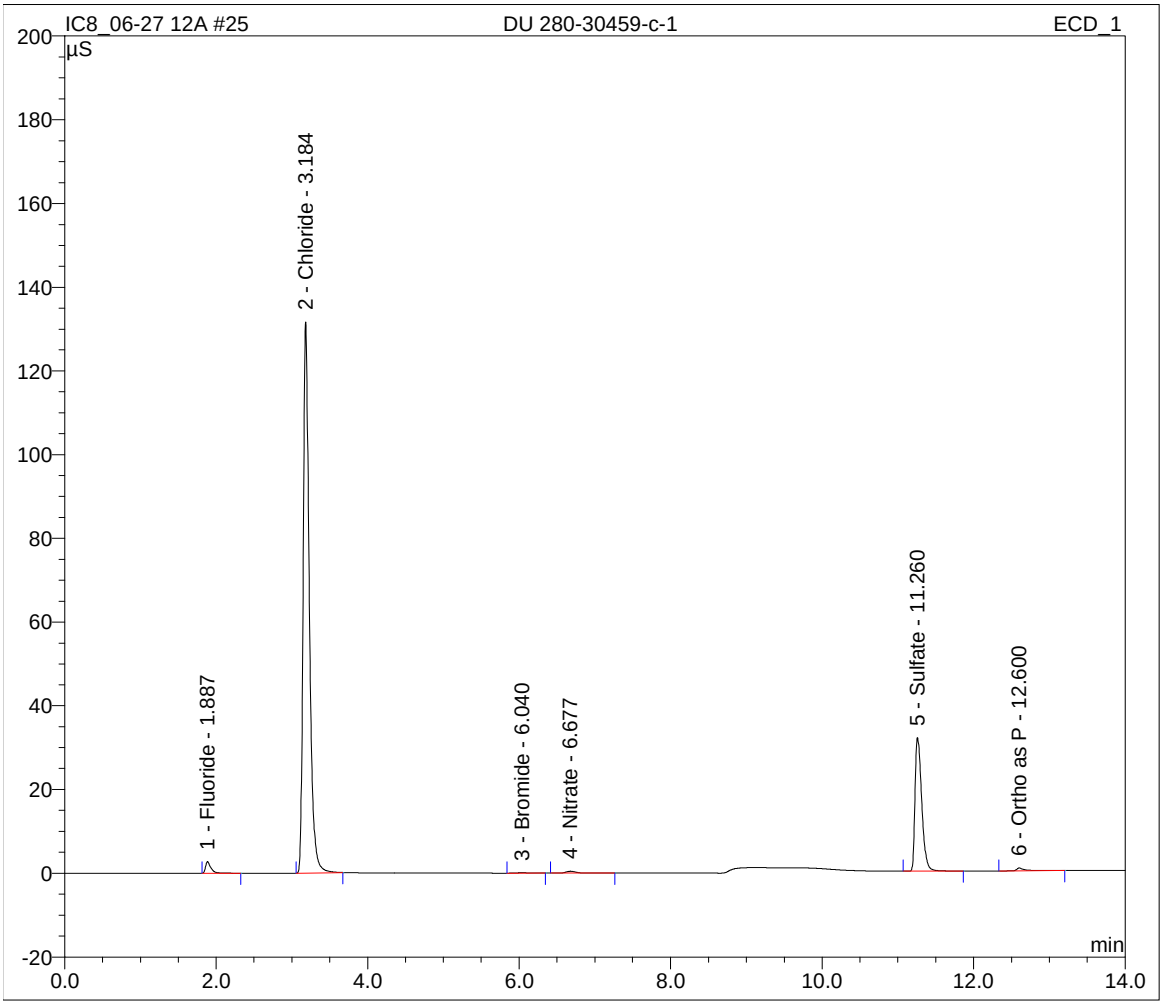
Sample Name:	**280-30459-c-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 17:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.234	2.789	0.9520
2	3.18	Chloride	BMB	12.412	131.911	87.9743
3	6.04	Bromide	BMB	0.017	0.122	0.3141
4	6.68	Nitrate	BMB	0.070	0.452	0.2150
5	11.25	Sulfate	BMB	3.292	32.030	28.6568
6	12.60	Ortho as P	BMB	0.100	0.690	-0.2164
		TOTAL:		16.12	167.99	117.90



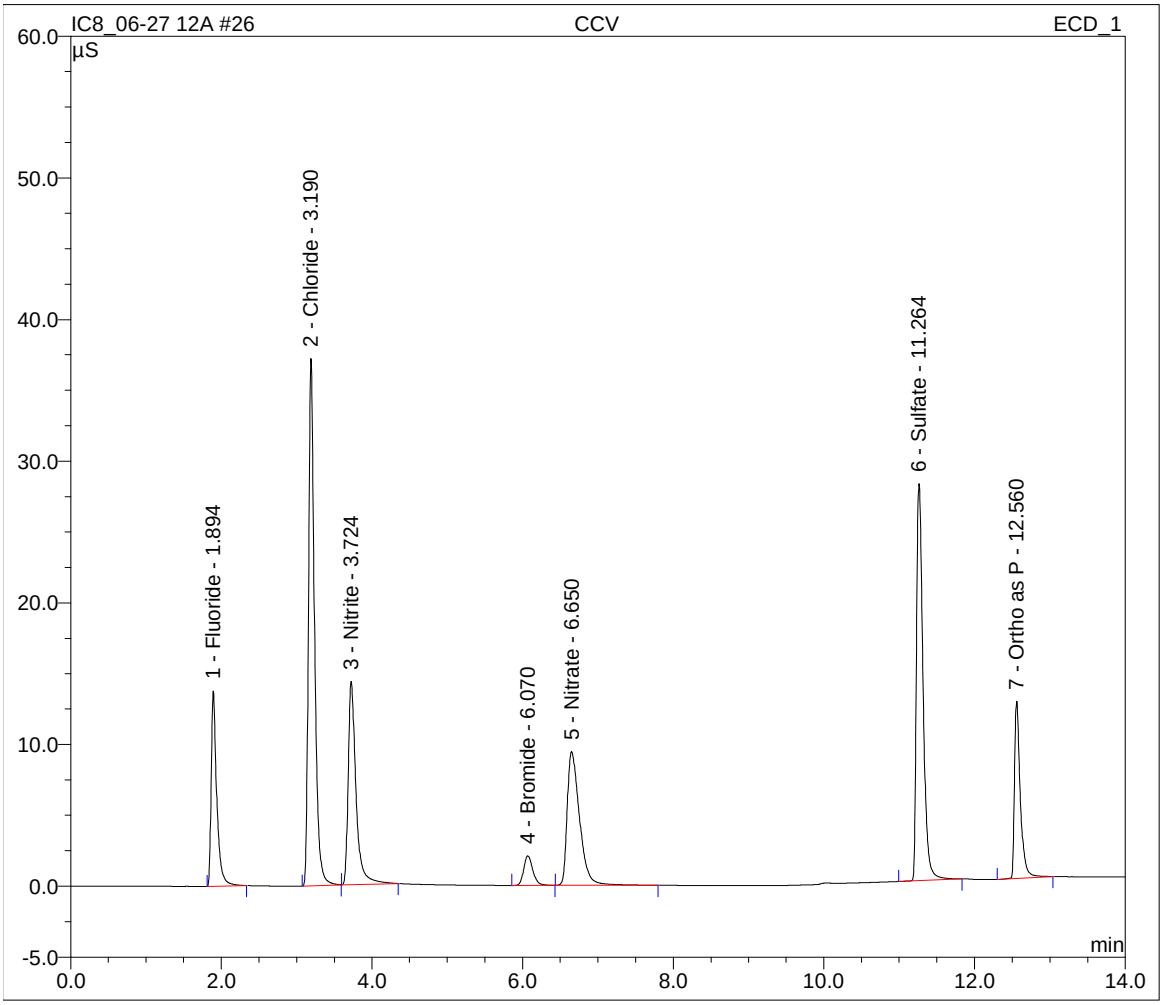
Sample Name:	**DU 280-30459-c-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 18:08**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.235	2.793	0.9541
2	3.18	Chloride	BMB	12.409	131.731	87.9556
3	6.04	Bromide	BMB	0.017	0.121	0.3110
4	6.68	Nitrate	BMB	0.071	0.458	0.2180
5	11.26	Sulfate	BMB	3.287	31.891	28.6197
6	12.60	Ortho as P	BMB	0.107	0.721	-0.1804
		TOTAL:		16.13	167.72	117.88



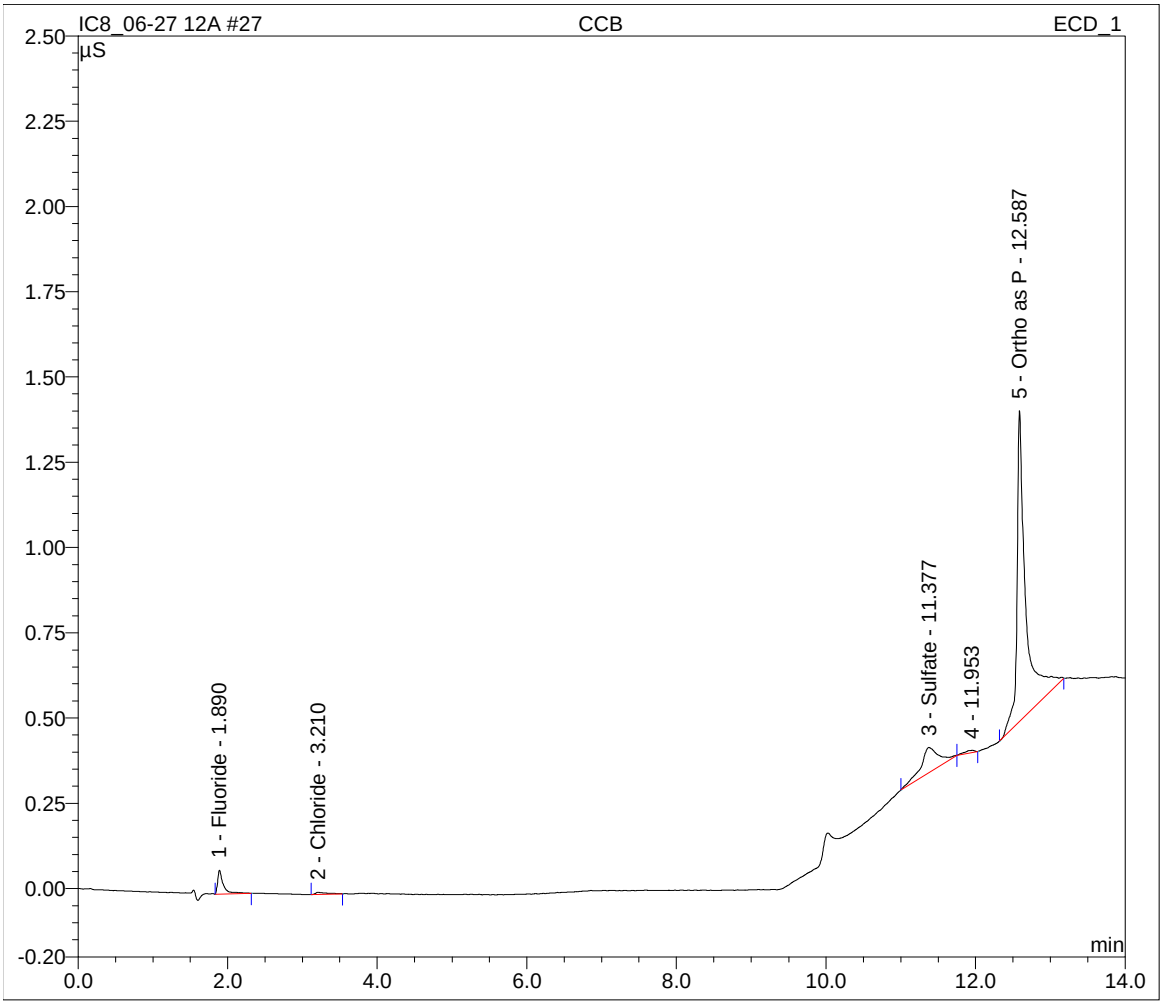
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 19:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.183	13.771	4.9335
2	3.19	Chloride	BMB	3.457	37.224	24.5134
3	3.72	Nitrite	BMB	1.726	14.321	4.8533
4	6.07	Bromide	BMB	0.291	2.079	4.8456
5	6.65	Nitrate	BMB	1.786	9.429	4.8848
6	11.26	Sulfate	BMB	2.829	28.018	24.6022
7	12.56	Ortho as P	BMB	1.121	12.496	5.0119
		TOTAL:		12.39	117.34	73.64



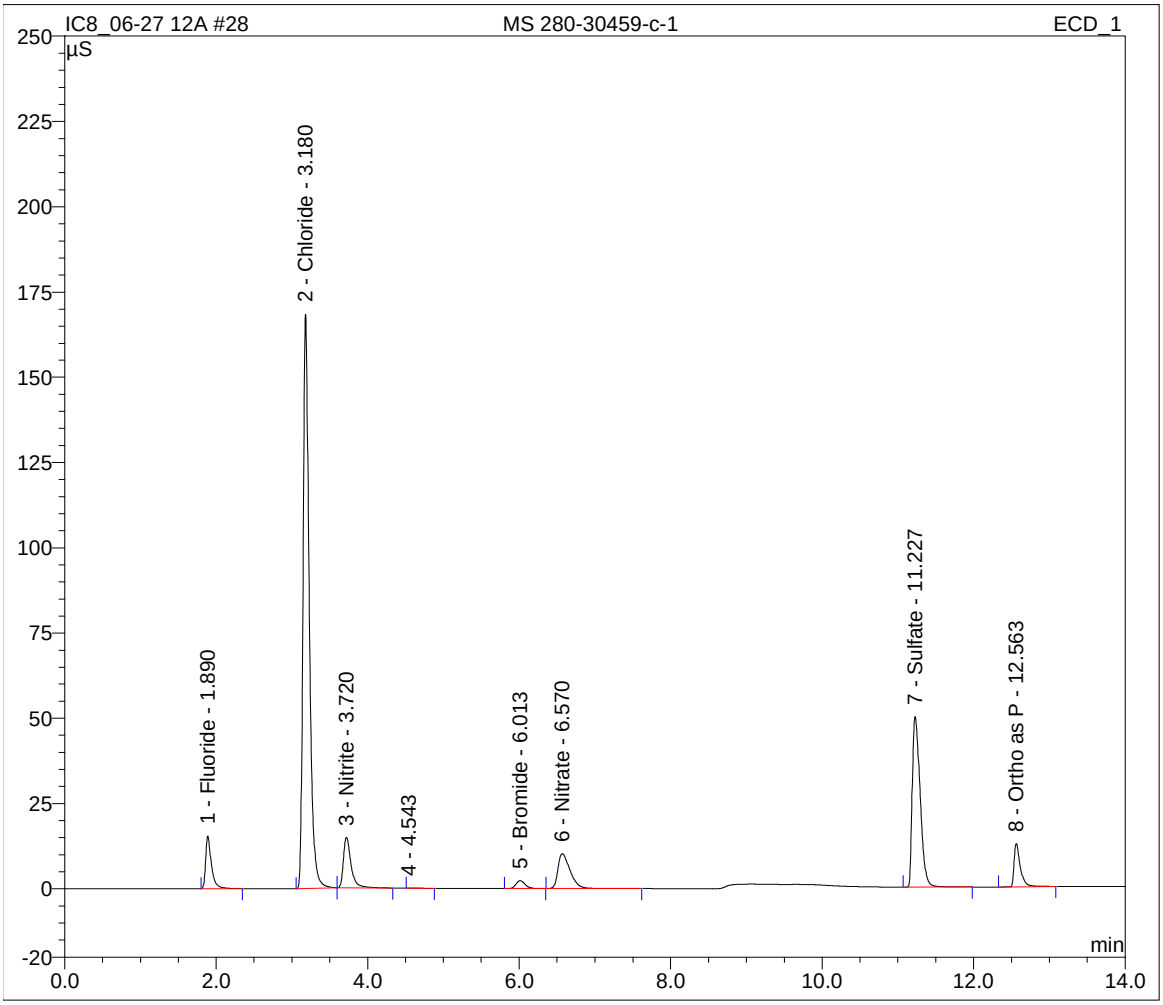
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 19:49**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.006	0.070	-0.0033
2	3.21	Chloride	BMB	0.001	0.006	0.0244
3	11.38	Sulfate	BMB	0.020	0.073	-0.0314
5	12.59	Ortho as P	BMB	0.125	0.911	-0.0885
TOTAL:				0.15	1.06	-0.10



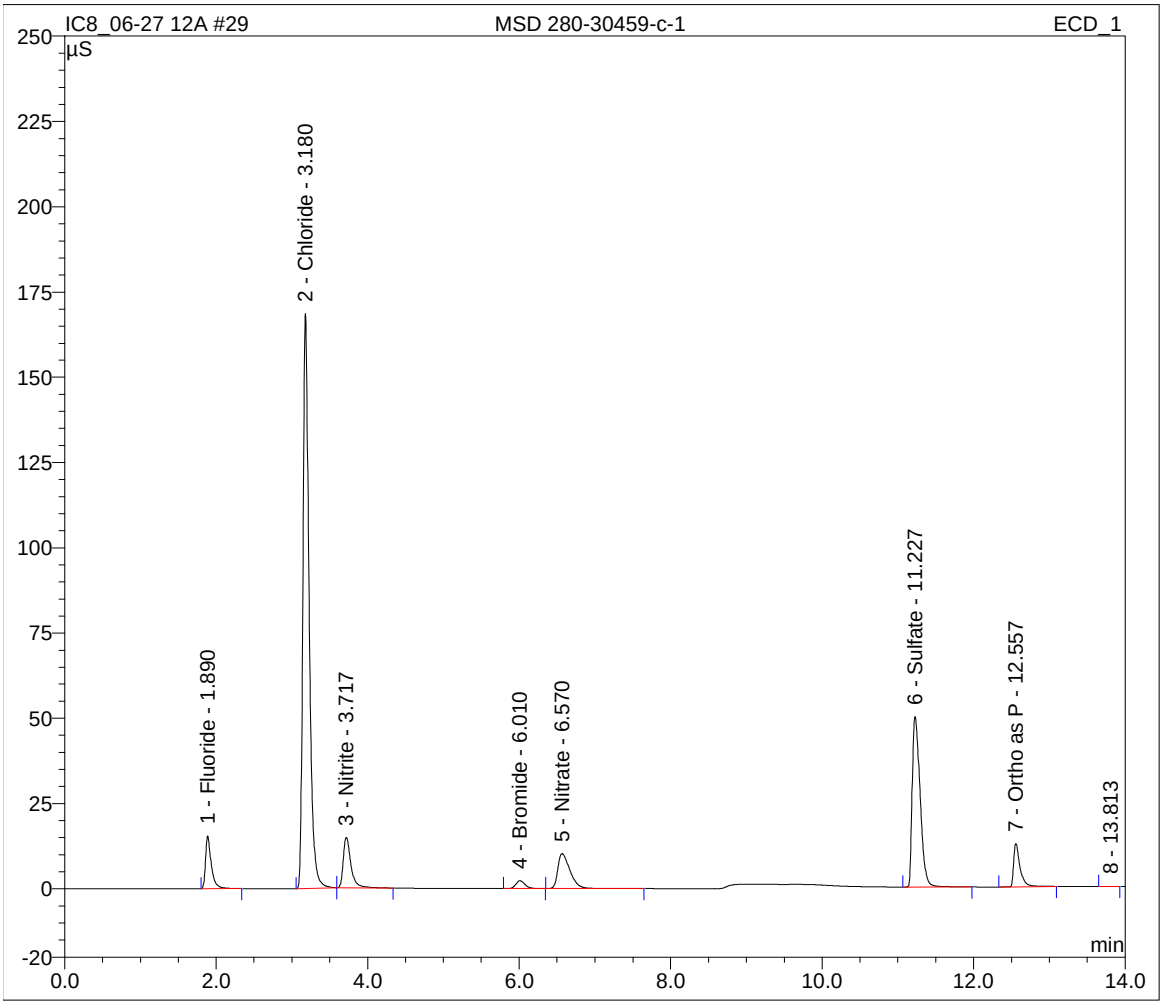
Sample Name:	**MS 280-30459-c-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 20:06**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.387	15.480	5.7914
2	3.18	Chloride	BMB	15.916	168.453	112.8078
3	3.72	Nitrite	bMB	1.736	14.756	4.8803
5	6.01	Bromide	BMB	0.322	2.330	5.3590
6	6.57	Nitrate	BMB	1.892	10.213	5.1737
7	11.23	Sulfate	BMB	6.046	49.975	52.8077
8	12.56	Ortho as P	BMB	1.205	12.671	5.4389
		TOTAL:		28.50	273.88	192.26



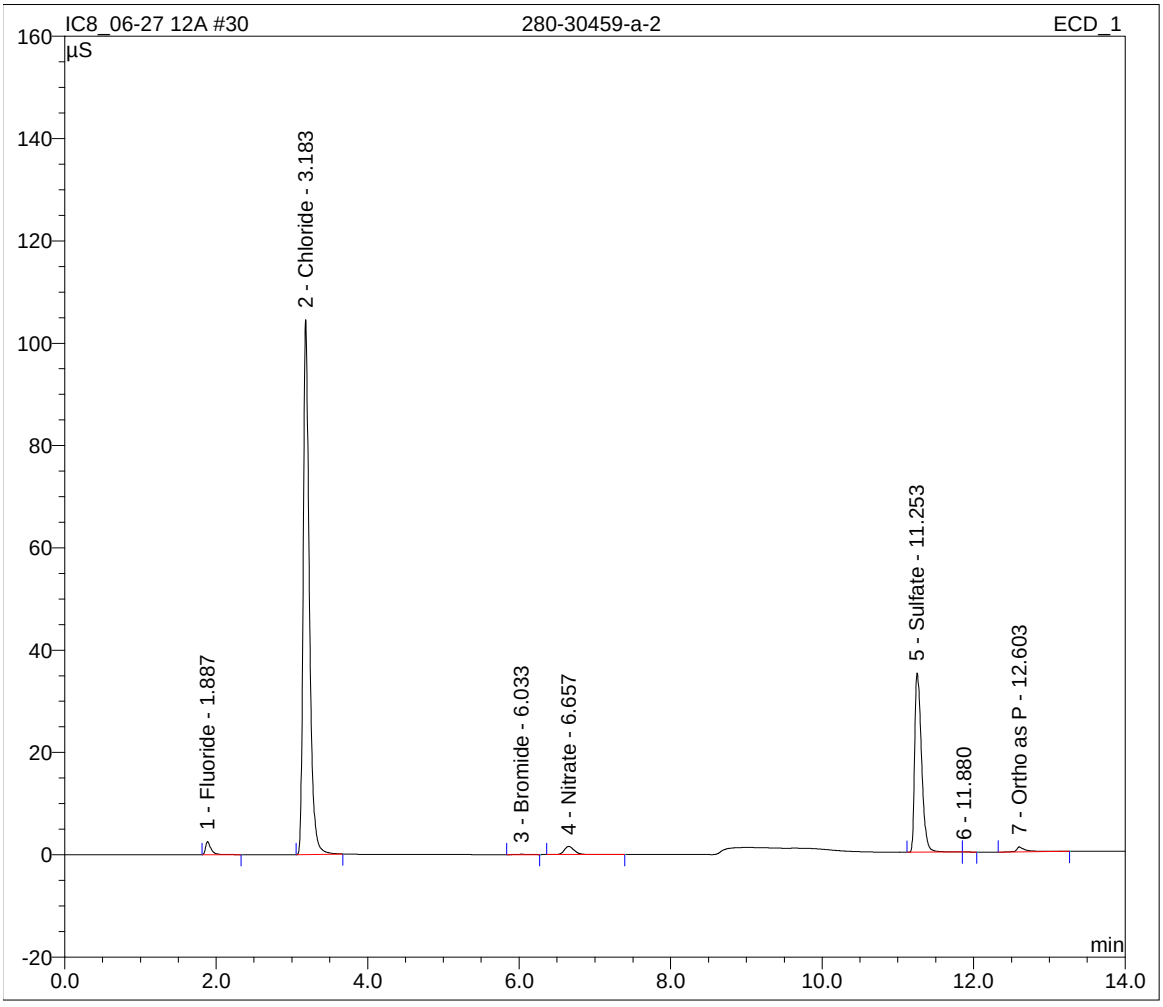
Sample Name:	**MSD 280-30459-c-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 20:23**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.389	15.486	5.8014
2	3.18	Chloride	BMb	15.921	168.632	112.8411
3	3.72	Nitrite	bMB	1.734	14.755	4.8764
4	6.01	Bromide	BMB	0.323	2.333	5.3624
5	6.57	Nitrate	BMB	1.896	10.213	5.1821
6	11.23	Sulfate	BMB	6.058	49.960	52.9145
7	12.56	Ortho as P	BMB	1.231	12.671	5.5729
		TOTAL:		28.55	274.05	192.55



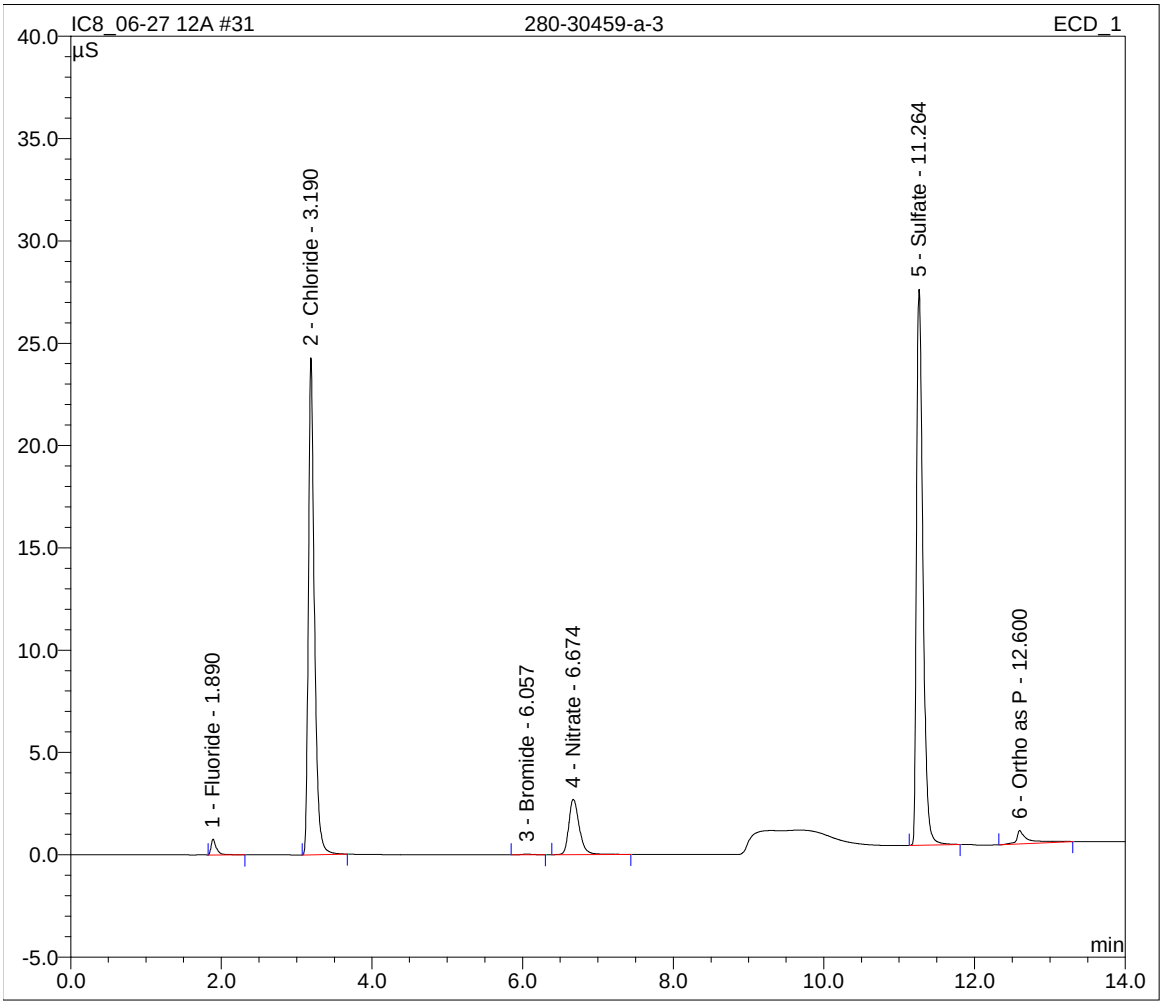
Sample Name:	**280-30459-a-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 20:40**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.217	2.576	0.8817
2	3.18	Chloride	BMB	9.832	104.579	69.6961
3	6.03	Bromide	BMB	0.009	0.068	0.1895
4	6.66	Nitrate	BMB	0.247	1.588	0.6962
5	11.25	Sulfate	BMb	3.695	35.044	32.1972
7	12.60	Ortho as P	BMB	0.146	0.977	0.0222
		TOTAL:		14.15	144.83	103.68



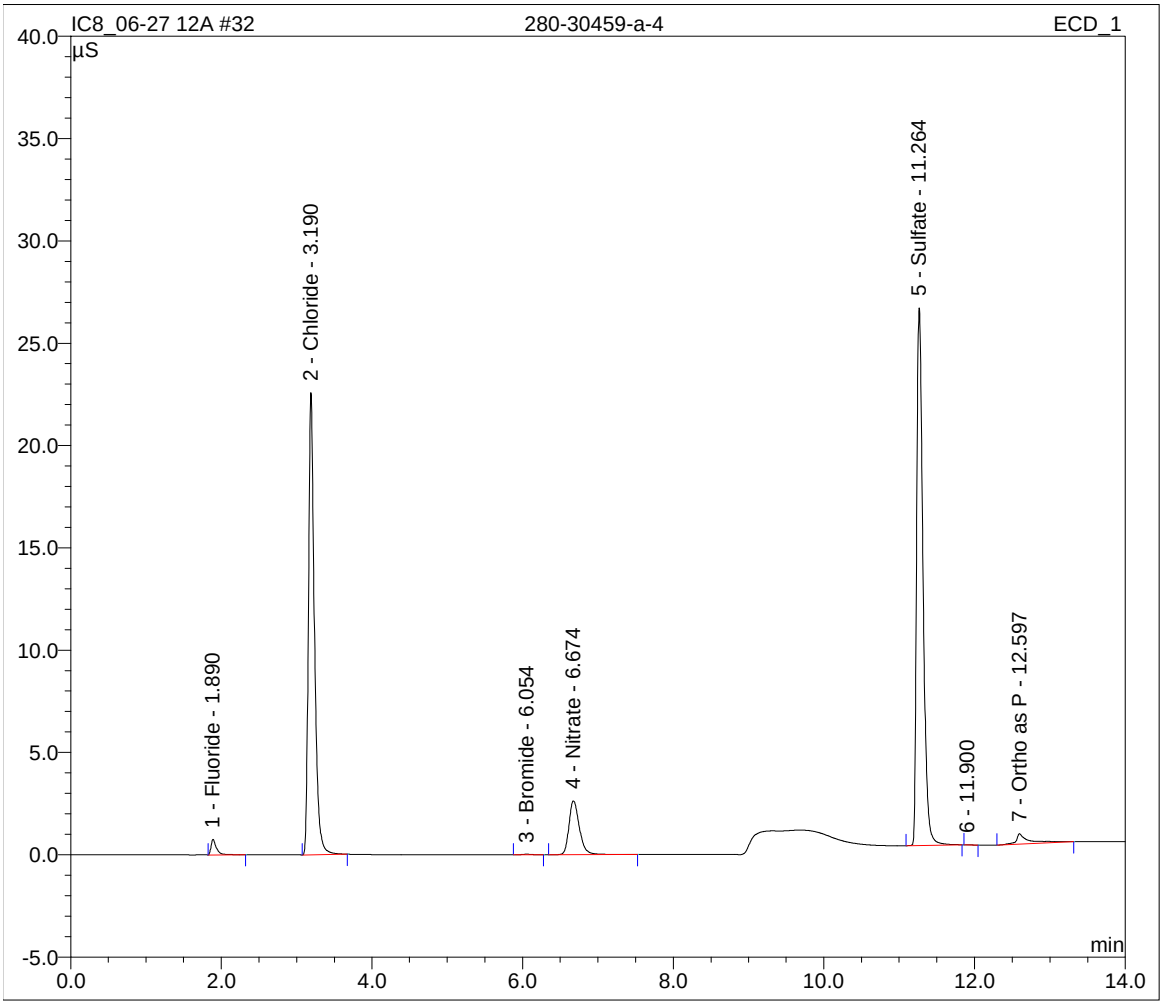
Sample Name:	**280-30459-a-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 20:57**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.064	0.774	0.2396
2	3.19	Chloride	BMB	2.248	24.290	15.9501
3	6.06	Bromide	BMB	0.004	0.030	0.1053
4	6.67	Nitrate	BMB	0.432	2.696	1.1996
5	11.26	Sulfate	BMB	2.675	27.172	23.2487
6	12.60	Ortho as P	BMB	0.115	0.658	-0.1359
		TOTAL:		5.54	55.62	40.61



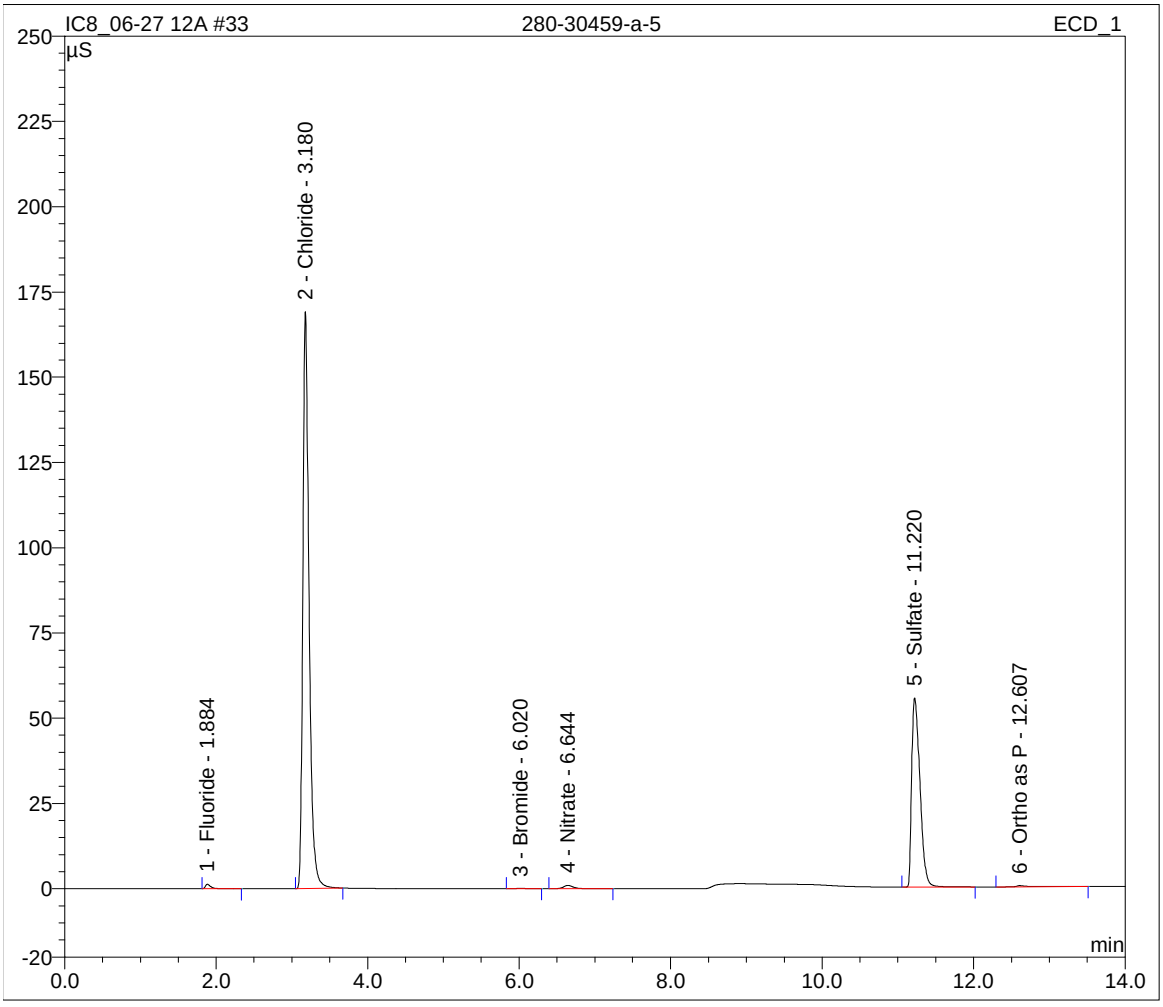
Sample Name:	**280-30459-a-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 21:13**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.064	0.763	0.2382
2	3.19	Chloride	BMB	2.083	22.581	14.7765
3	6.05	Bromide	BMB	0.004	0.029	0.1007
4	6.67	Nitrate	BMB	0.421	2.624	1.1695
5	11.26	Sulfate	BMB	2.560	26.280	22.2429
7	12.60	Ortho as P	BMB	0.098	0.505	-0.2254
		TOTAL:		5.23	52.78	38.30



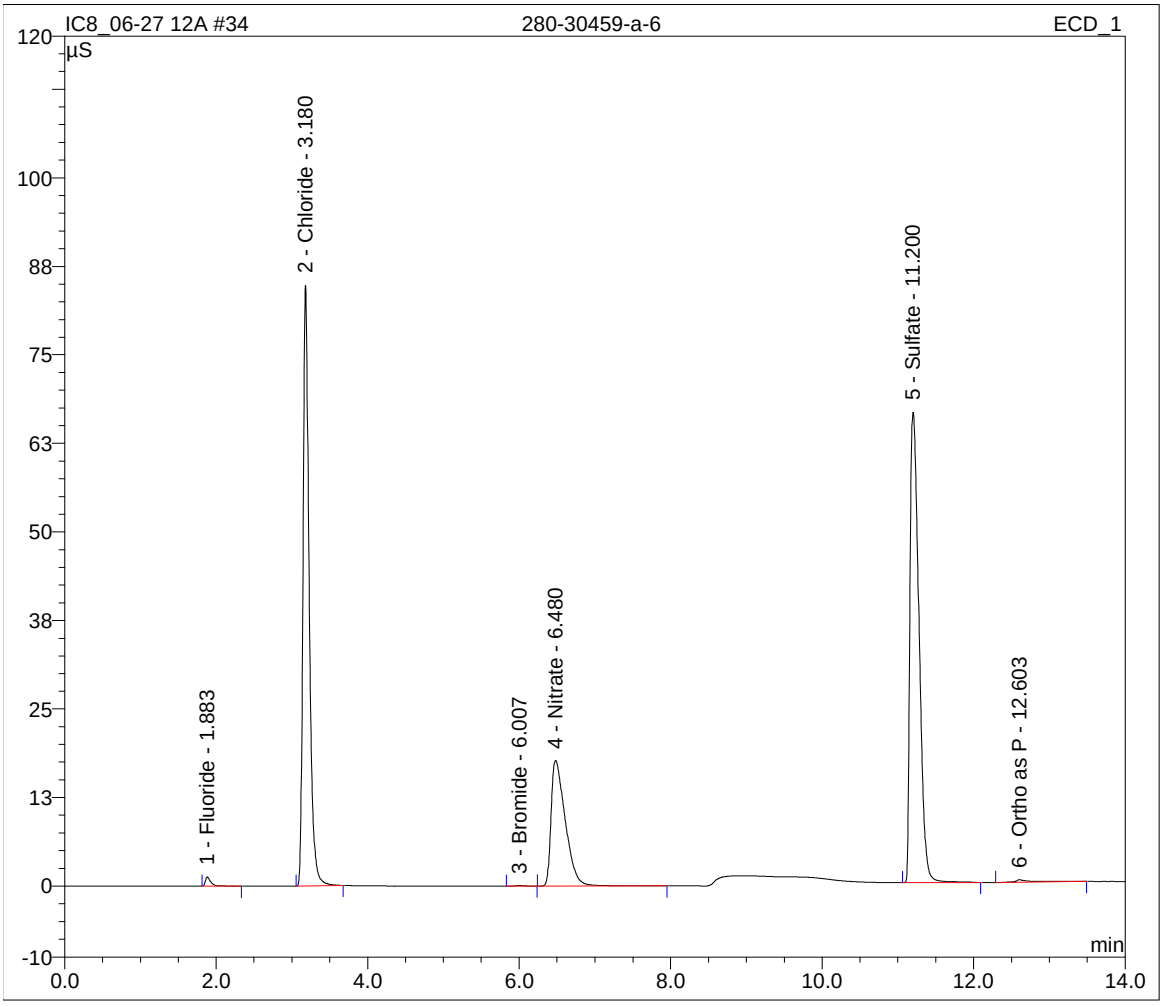
Sample Name:	**280-30459-a-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 21:30**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.88	Fluoride	BMB	0.115	1.340	0.4523
2	3.18	Chloride	BMB	16.055	169.212	113.7921
3	6.02	Bromide	BMB	0.013	0.092	0.2456
4	6.64	Nitrate	BMB	0.143	0.944	0.4152
5	11.22	Sulfate	BMB	7.015	55.412	61.3021
6	12.61	Ortho as P	BMB	0.102	0.391	-0.2041
		TOTAL:		23.44	227.39	176.00



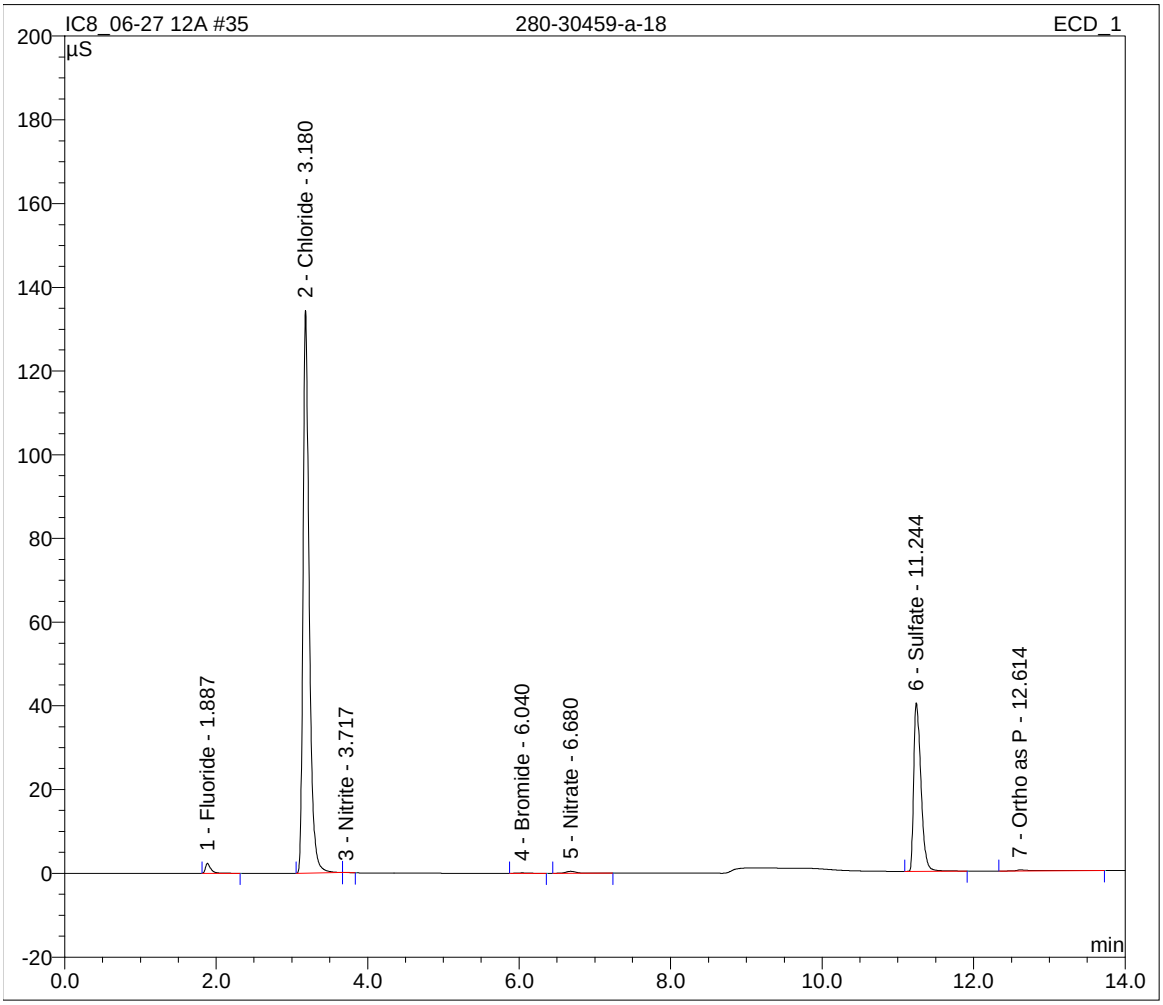
Sample Name:	**280-30459-a-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 21:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.88	Fluoride	BMB	0.112	1.302	0.4409
2	3.18	Chloride	BMB	7.964	84.812	56.4552
3	6.01	Bromide	BMB	0.009	0.070	0.1861
4	6.48	Nitrate	BMB	3.837	17.730	10.4639
5	11.20	Sulfate	BMB	9.186	66.414	80.3451
6	12.60	Ortho as P	BMB	0.096	0.364	-0.2366
		TOTAL:		21.20	170.69	147.65



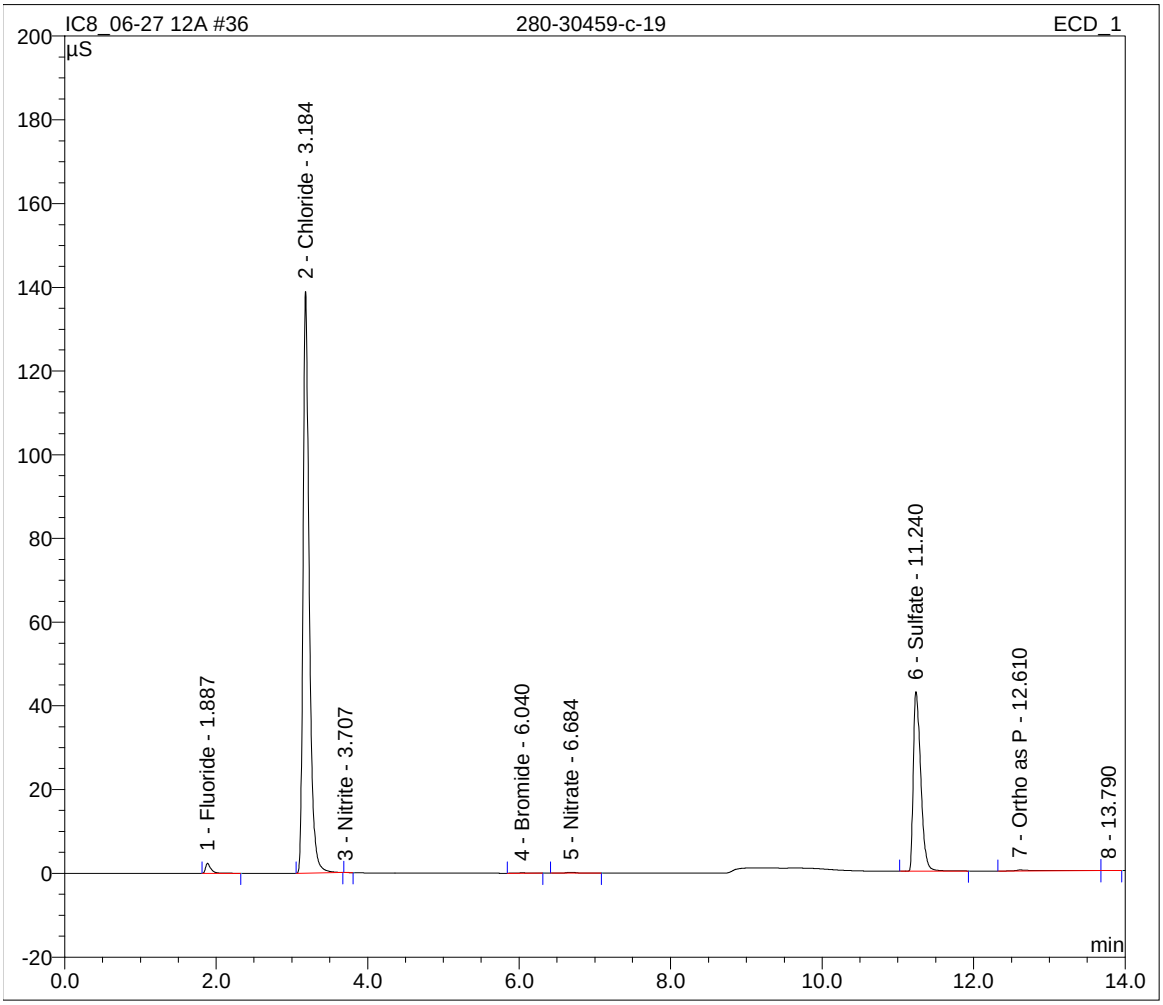
Sample Name:	**280-30459-a-18**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 22:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.201	2.394	0.8144
2	3.18	Chloride	BMb	12.693	134.492	89.9705
3	3.72	Nitrite	bMB	0.003	0.041	0.0166
4	6.04	Bromide	BMB	0.012	0.088	0.2347
5	6.68	Nitrate	BMB	0.072	0.464	0.2218
6	11.24	Sulfate	BMB	4.459	40.218	38.8908
7	12.61	Ortho as P	BMB	0.110	0.303	-0.1654
TOTAL:				17.55	178.00	129.98



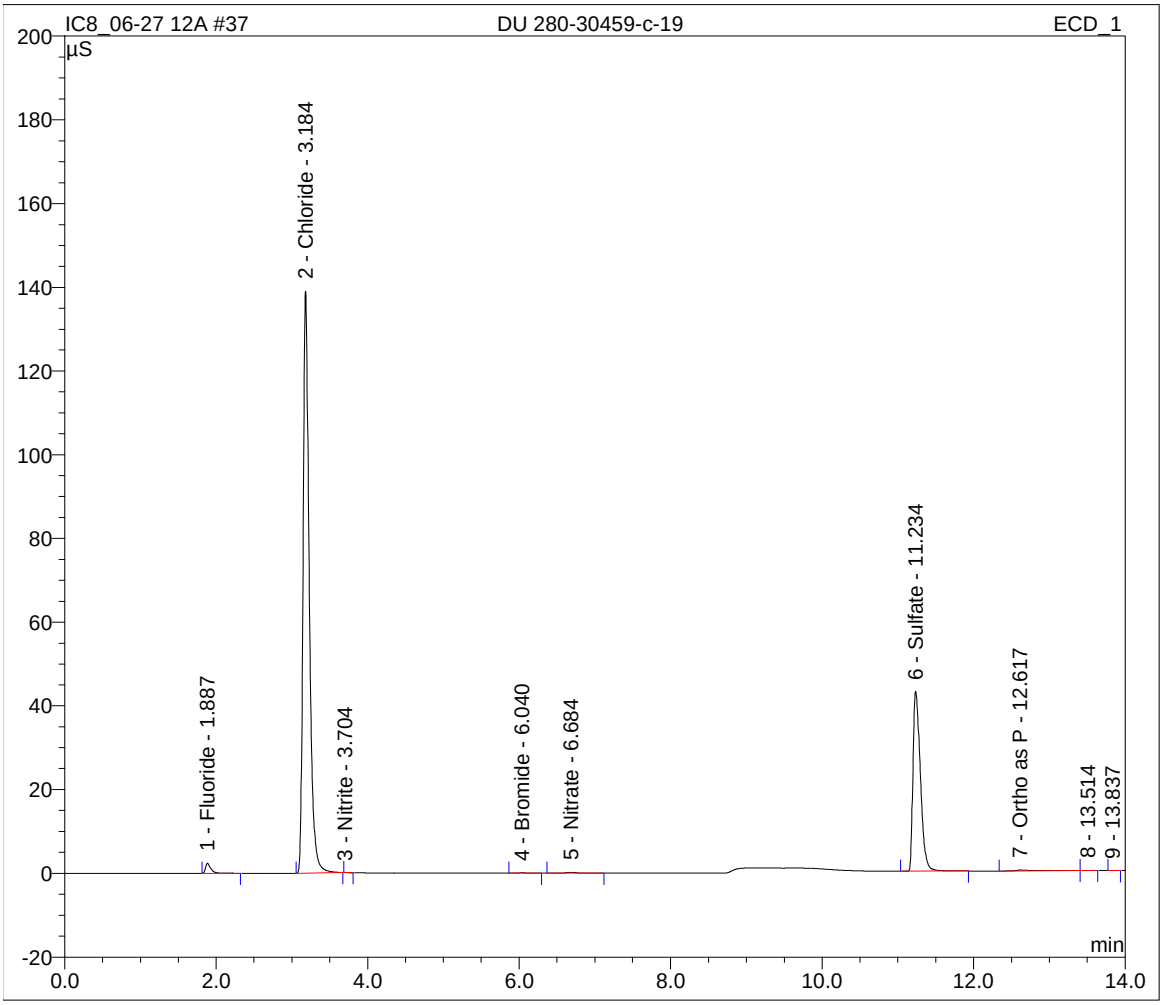
Sample Name:	**280-30459-c-19**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 22:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.202	2.396	0.8166
2	3.18	Chloride	BMB	13.145	138.986	93.1724
3	3.71	Nitrite	BMB	0.001	0.011	0.0100
4	6.04	Bromide	BMB	0.012	0.089	0.2385
5	6.68	Nitrate	BMB	0.034	0.214	0.1165
6	11.24	Sulfate	BMB	4.895	42.883	42.7133
7	12.61	Ortho as P	BMB	0.105	0.272	-0.1897
TOTAL:				18.39	184.85	136.88



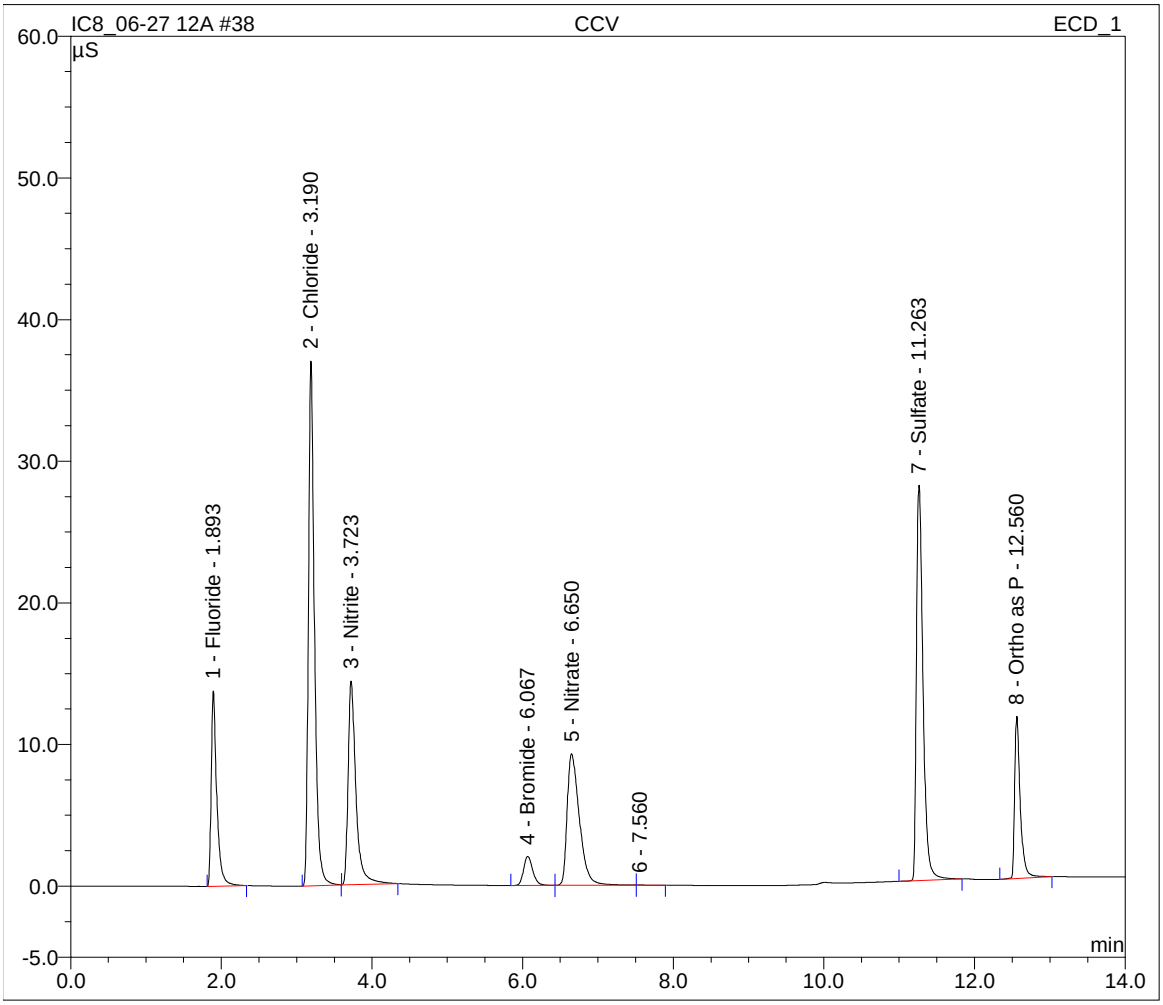
Sample Name:	**DU 280-30459-c-19**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 22:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.202	2.398	0.8173
2	3.18	Chloride	BMB	13.155	139.079	93.2433
3	3.70	Nitrite	BMB	0.001	0.009	0.0100
4	6.04	Bromide	BMB	0.012	0.089	0.2355
5	6.68	Nitrate	BMB	0.033	0.212	0.1164
6	11.23	Sulfate	BMB	4.893	42.924	42.7034
7	12.62	Ortho as P	BMB	0.077	0.237	-0.3304
TOTAL:				18.37	184.95	136.80



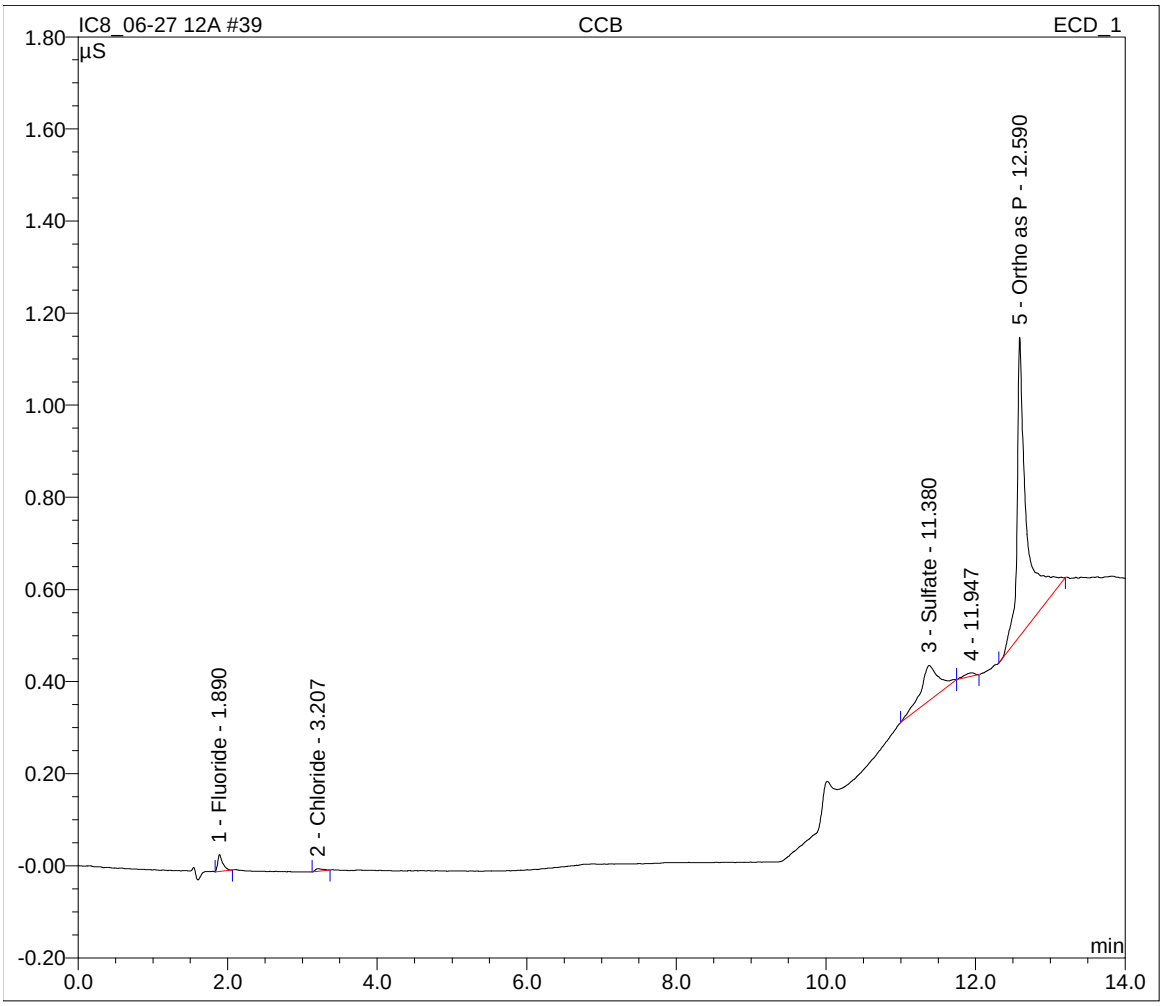
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 22:54**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.186	13.786	4.9466
2	3.19	Chloride	BMB	3.448	37.038	24.4506
3	3.72	Nitrite	BMB	1.735	14.356	4.8774
4	6.07	Bromide	BMB	0.288	2.050	4.7945
5	6.65	Nitrate	BMb	1.741	9.271	4.7604
7	11.26	Sulfate	BMB	2.818	27.892	24.5078
8	12.56	Ortho as P	BMB	0.991	11.433	4.3426
		TOTAL:		12.21	115.83	72.68



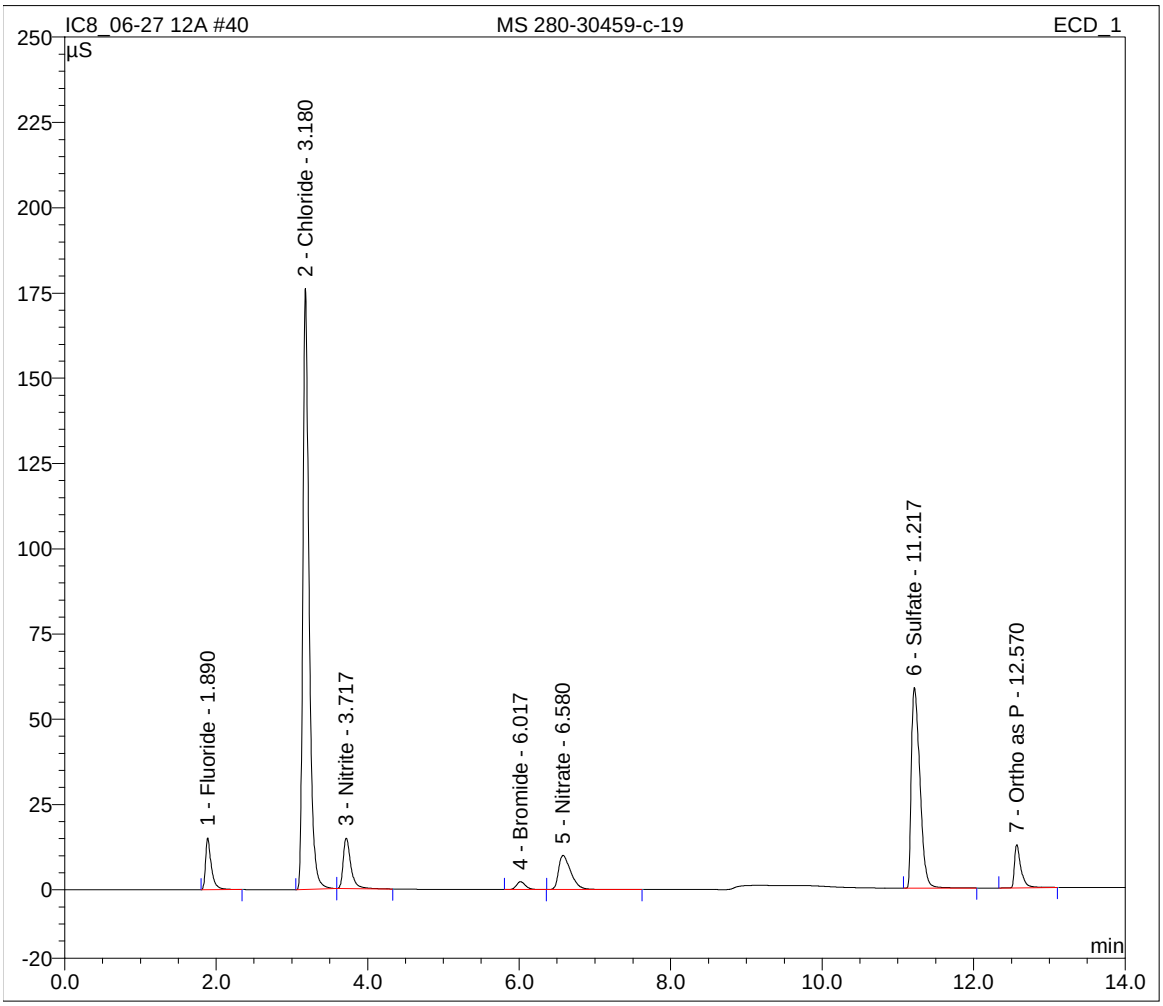
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 23:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.003	0.036	-0.0185
2	3.21	Chloride	BMB	0.001	0.006	0.0211
3	11.38	Sulfate	BMB	0.021	0.077	-0.0179
5	12.59	Ortho as P	BMB	0.101	0.649	-0.2124
TOTAL:				0.13	0.77	-0.23



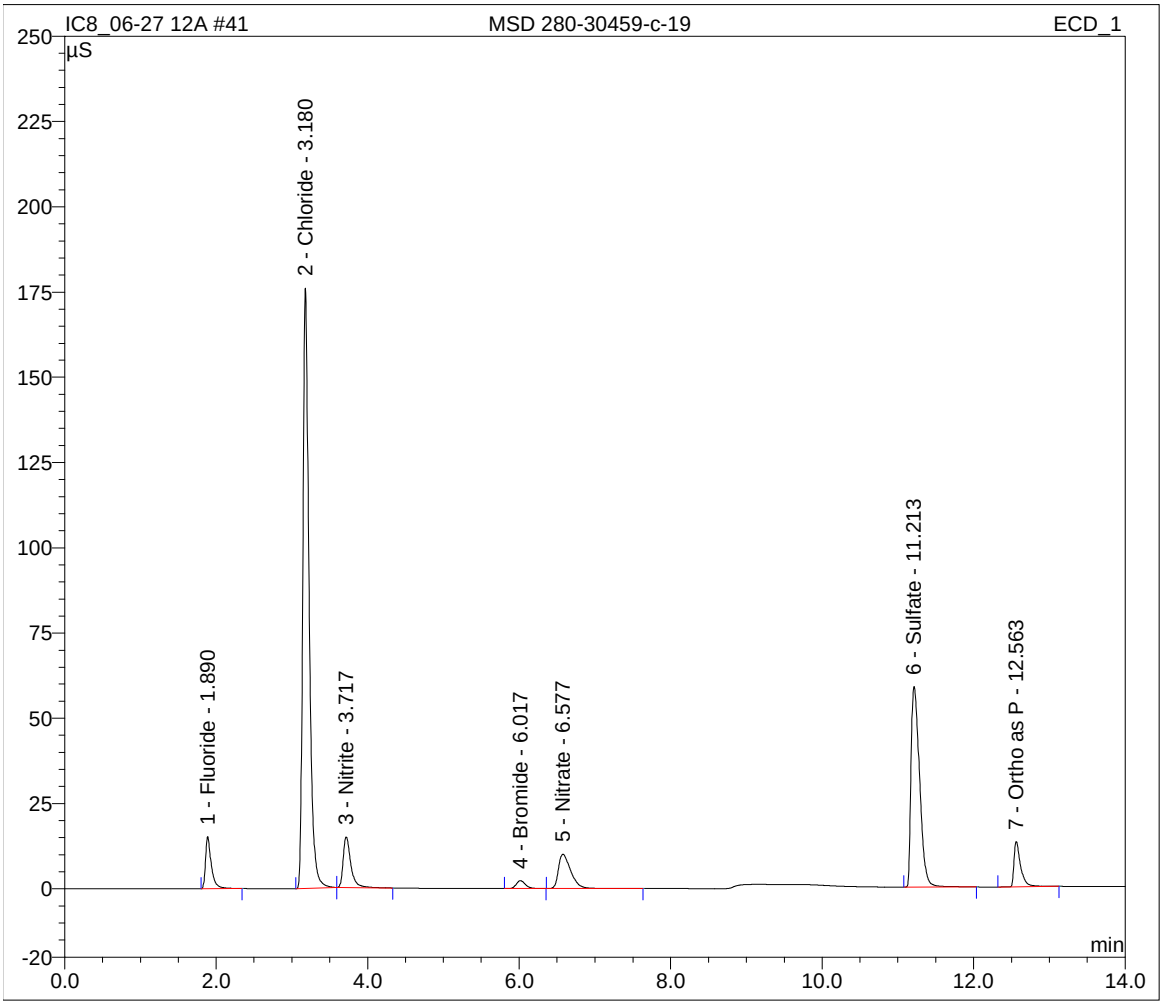
Sample Name:	**MS 280-30459-c-19**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 23:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.364	15.209	5.6951
2	3.18	Chloride	BMb	16.697	176.259	118.3434
3	3.72	Nitrite	bMB	1.742	14.777	4.8991
4	6.02	Bromide	BMB	0.321	2.302	5.3386
5	6.58	Nitrate	BMB	1.874	10.021	5.1238
6	11.22	Sulfate	BMB	7.690	58.749	67.2229
7	12.57	Ortho as P	BMB	1.237	12.629	5.6019
TOTAL:				30.93	289.94	212.22



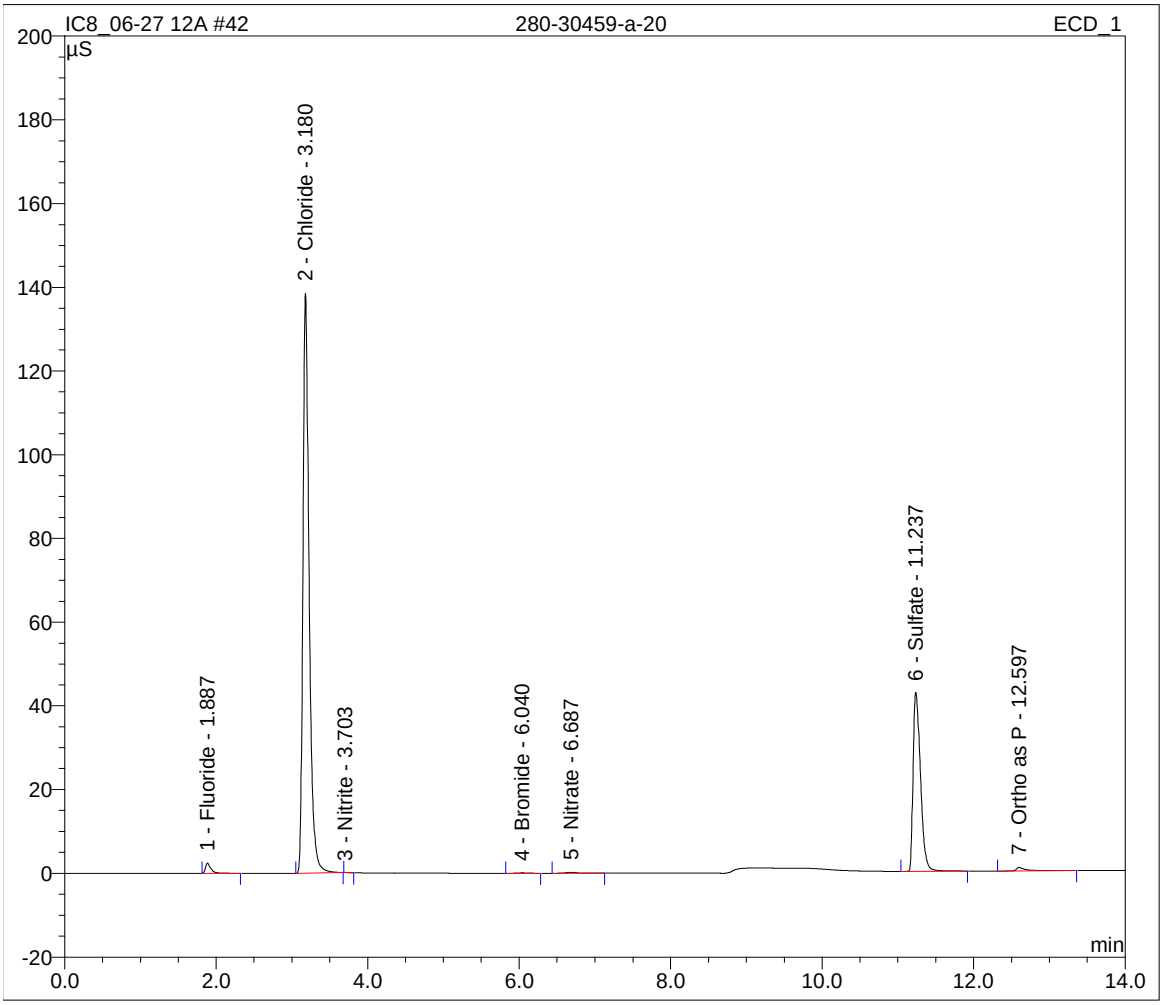
Sample Name:	**MSD 280-30459-c-19**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 23:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.378	15.282	5.7524
2	3.18	Chloride	BMb	16.713	176.028	118.4590
3	3.72	Nitrite	bMB	1.747	14.814	4.9128
4	6.02	Bromide	BMB	0.323	2.317	5.3718
5	6.58	Nitrate	BMB	1.888	10.076	5.1629
6	11.21	Sulfate	BMB	7.724	58.745	67.5199
7	12.56	Ortho as P	BMB	1.339	13.238	6.1258
TOTAL:				31.11	290.50	213.30



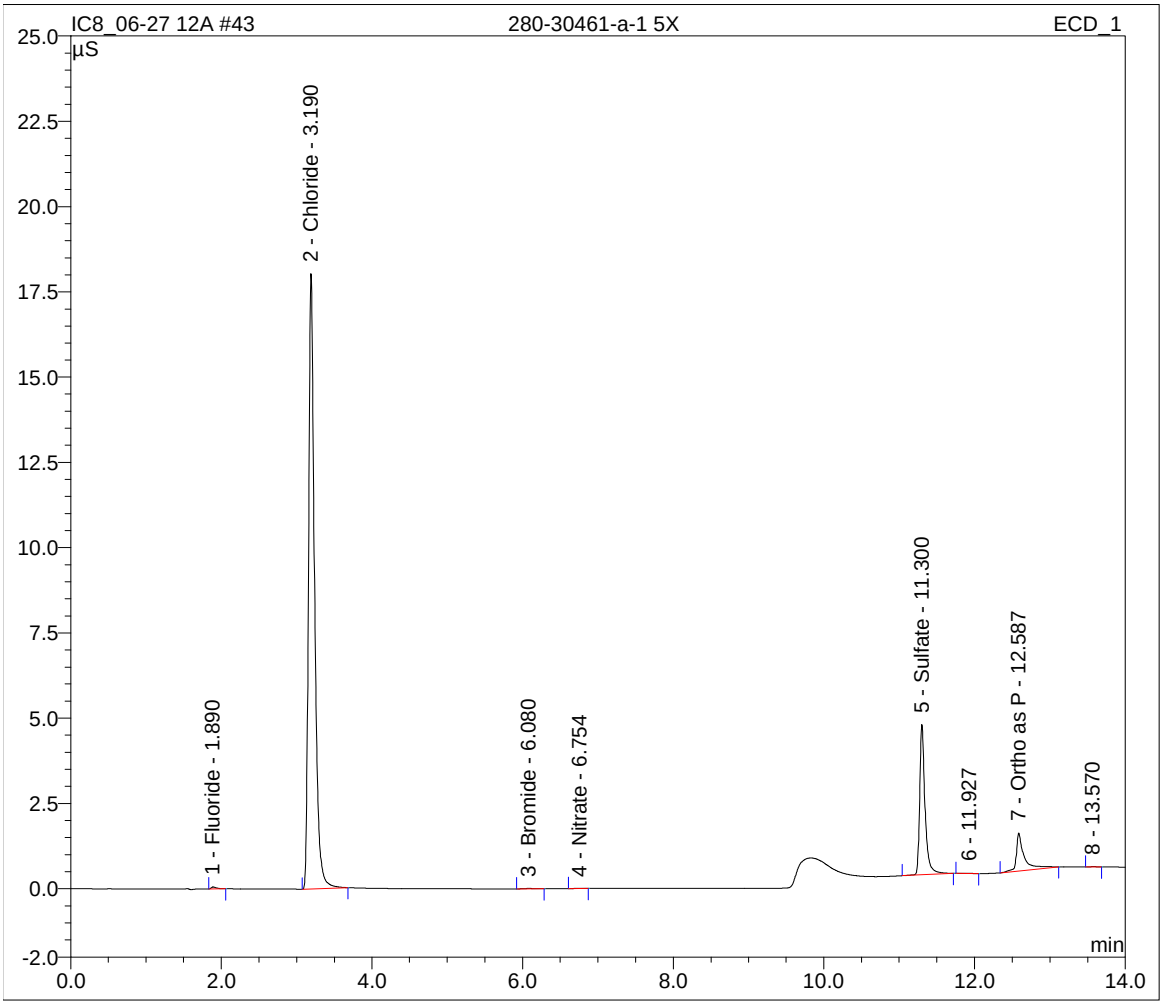
Sample Name:	**280-30459-a-20**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 00:01**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.206	2.439	0.8330
2	3.18	Chloride	BMB	13.125	138.545	93.0314
3	3.70	Nitrite	BMB	0.001	0.011	0.0103
4	6.04	Bromide	BMB	0.012	0.089	0.2373
5	6.69	Nitrate	BMB	0.034	0.215	0.1182
6	11.24	Sulfate	BMB	4.841	42.717	42.2392
7	12.60	Ortho as P	BMB	0.153	0.898	0.0557
TOTAL:				18.37	184.91	136.53



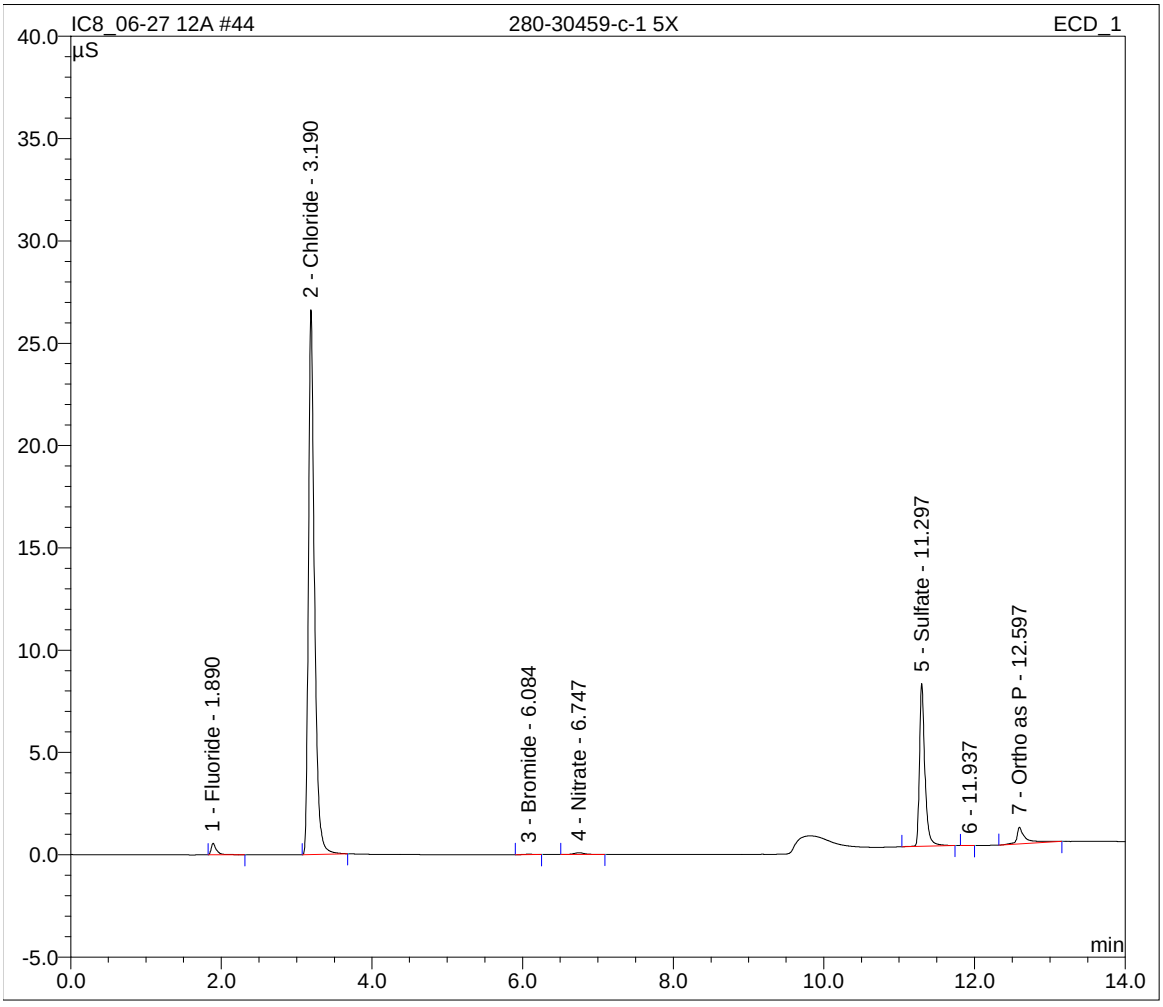
Sample Name:	**280-30461-a-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 00:18**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.005	0.059	-0.0539
2	3.19	Chloride	BMB	1.680	18.041	59.5973
3	6.08	Bromide	BMB	0.002	0.011	0.3015
4	6.75	Nitrate	BMB	0.001	0.004	0.1334
5	11.30	Sulfate	BMB	0.366	4.401	15.0420
7	12.59	Ortho as P	BMB	0.135	1.110	-0.1760
		TOTAL:		2.19	23.63	74.84



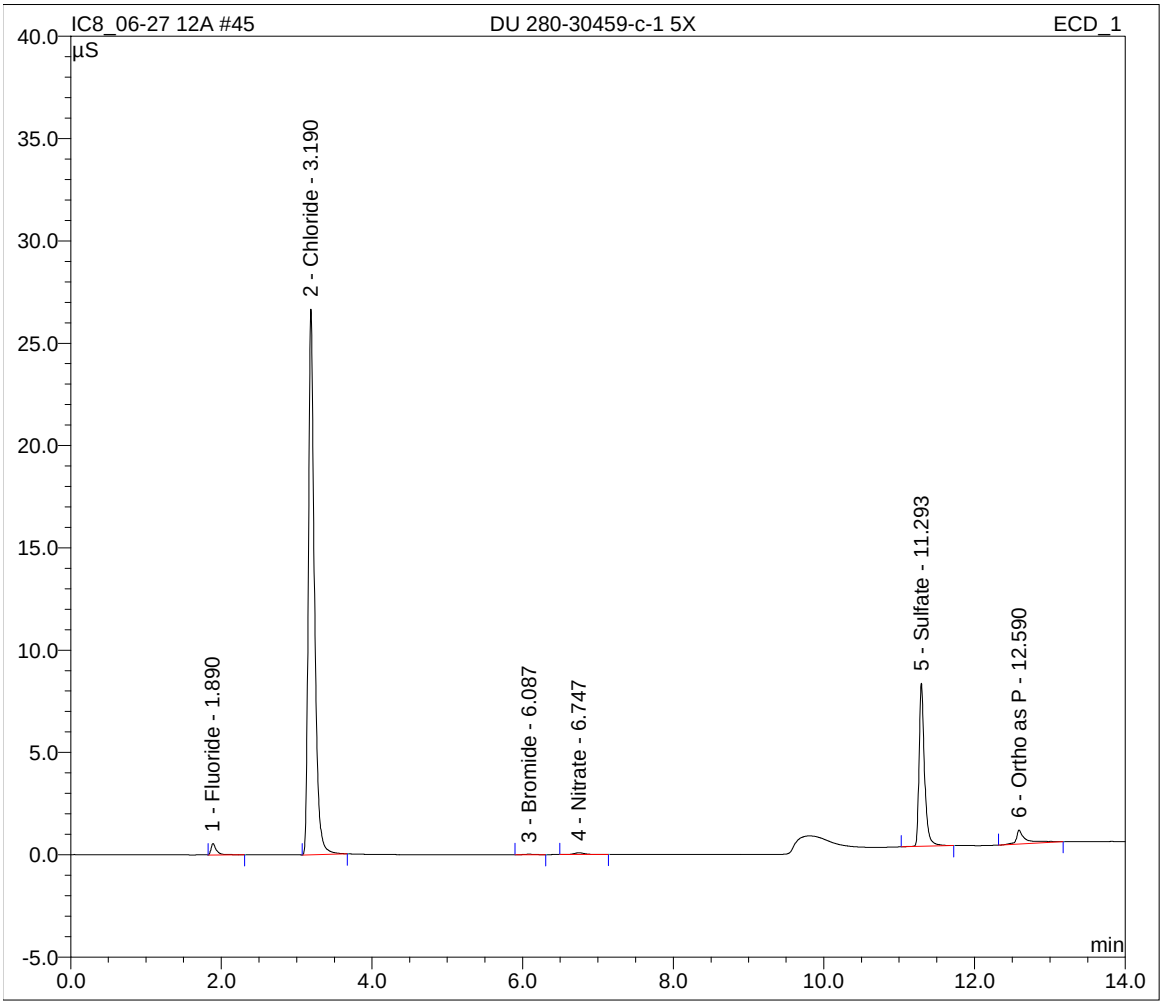
Sample Name:	**280-30459-c-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 00:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.047	0.563	0.8293
2	3.19	Chloride	BMB	2.483	26.637	88.0724
3	6.08	Bromide	BMB	0.003	0.022	0.4157
4	6.75	Nitrate	BMB	0.014	0.084	0.3140
5	11.30	Sulfate	BMB	0.669	7.946	28.2994
7	12.60	Ortho as P	BMB	0.110	0.815	-0.8204
		TOTAL:		3.33	36.07	117.11



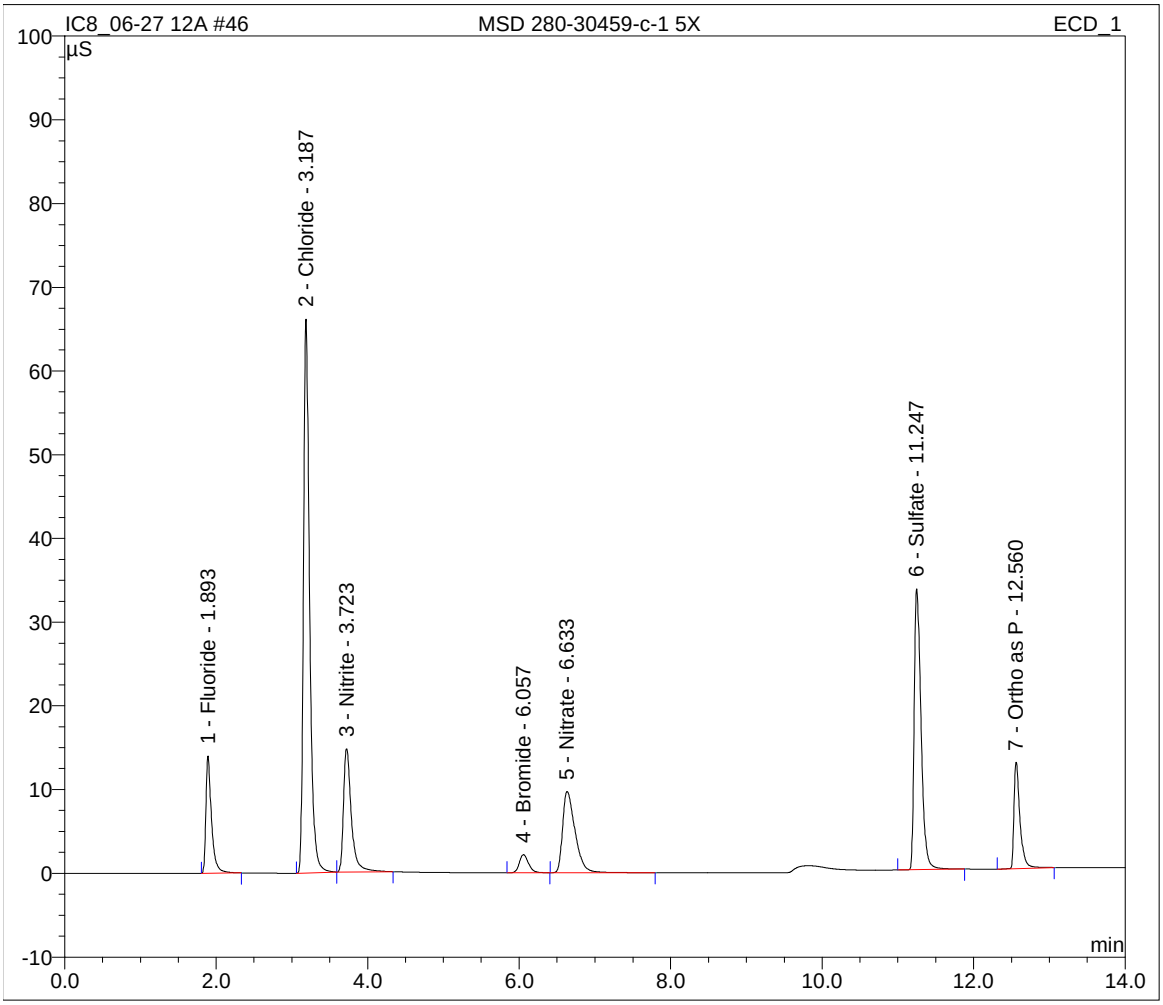
Sample Name:	**DU 280-30459-c-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 00:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.046	0.559	0.8192
2	3.19	Chloride	BMB	2.485	26.670	88.1313
3	6.09	Bromide	BMB	0.003	0.022	0.4257
4	6.75	Nitrate	BMB	0.014	0.084	0.3134
5	11.29	Sulfate	BMB	0.668	7.971	28.2792
6	12.59	Ortho as P	BMB	0.099	0.683	-1.1116
		TOTAL:		3.31	35.99	116.86



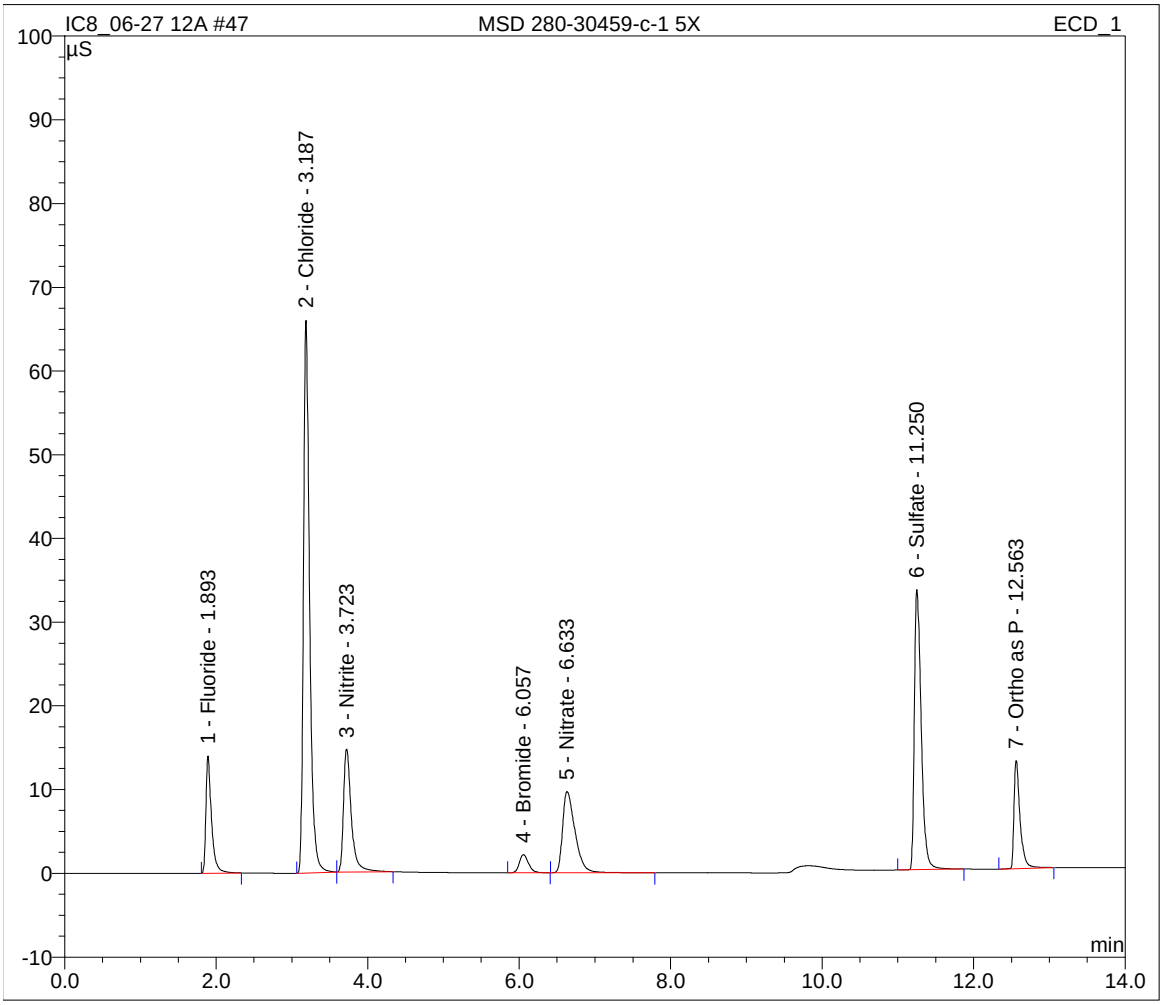
Sample Name:	**MSD 280-30459-c-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 01:09**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.215	14.024	25.3439
2	3.19	Chloride	BMB	6.203	66.170	219.8731
3	3.72	Nitrite	BMB	1.767	14.698	24.8412
4	6.06	Bromide	BMB	0.307	2.168	25.5485
5	6.63	Nitrate	BMB	1.851	9.686	25.3040
6	11.25	Sulfate	BMB	3.544	33.553	154.3536
7	12.56	Ortho as P	BMB	1.160	12.691	26.0320
TOTAL:				16.05	152.99	501.30



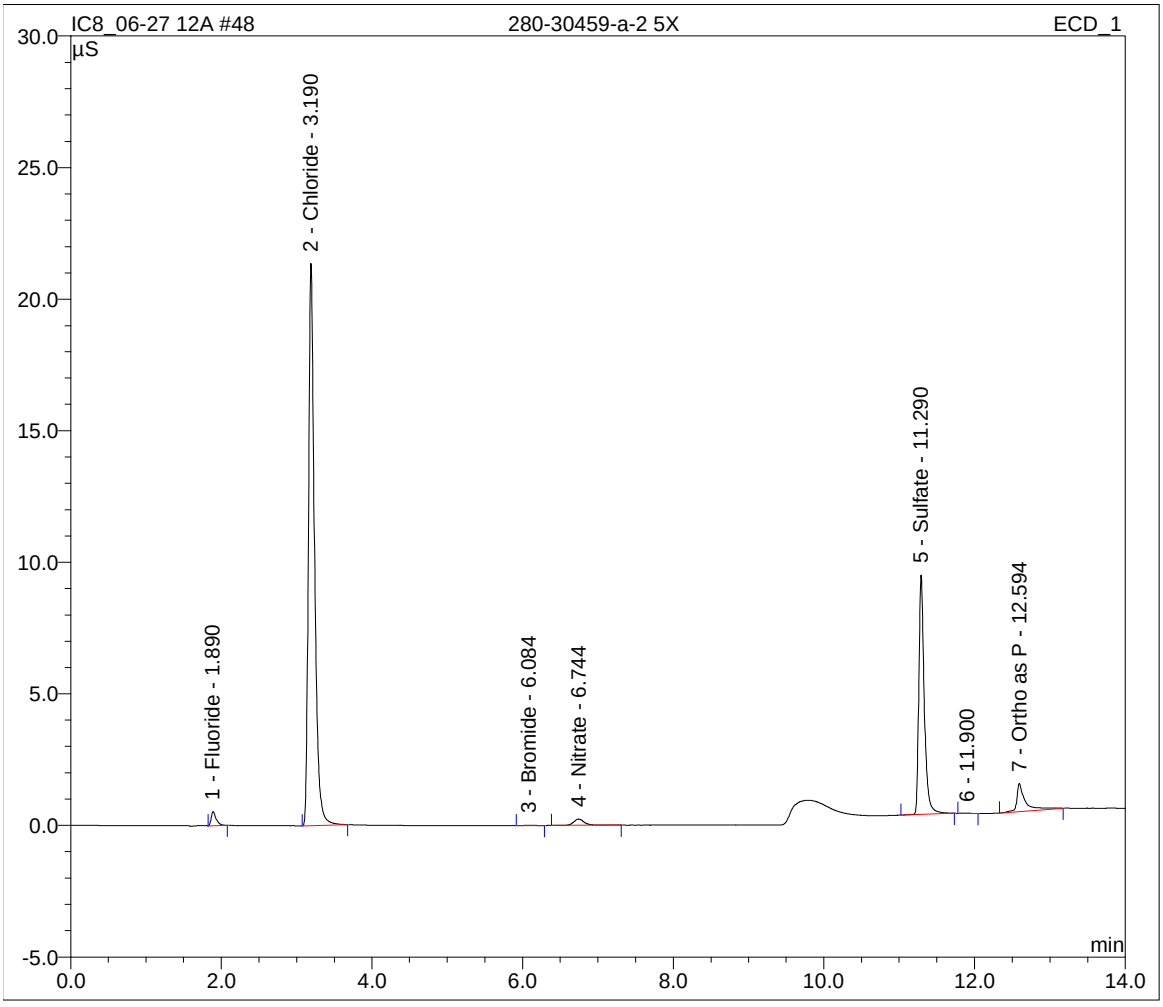
Sample Name:	**MSD 280-30459-c-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 01:25**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.213	14.006	25.3045
2	3.19	Chloride	BMB	6.184	66.036	219.2205
3	3.72	Nitrite	BMB	1.757	14.632	24.7022
4	6.06	Bromide	BMB	0.306	2.170	25.4525
5	6.63	Nitrate	BMB	1.841	9.687	25.1672
6	11.25	Sulfate	BMB	3.526	33.466	153.5595
7	12.56	Ortho as P	BMB	1.188	12.871	26.7524
TOTAL:				16.01	152.87	500.16



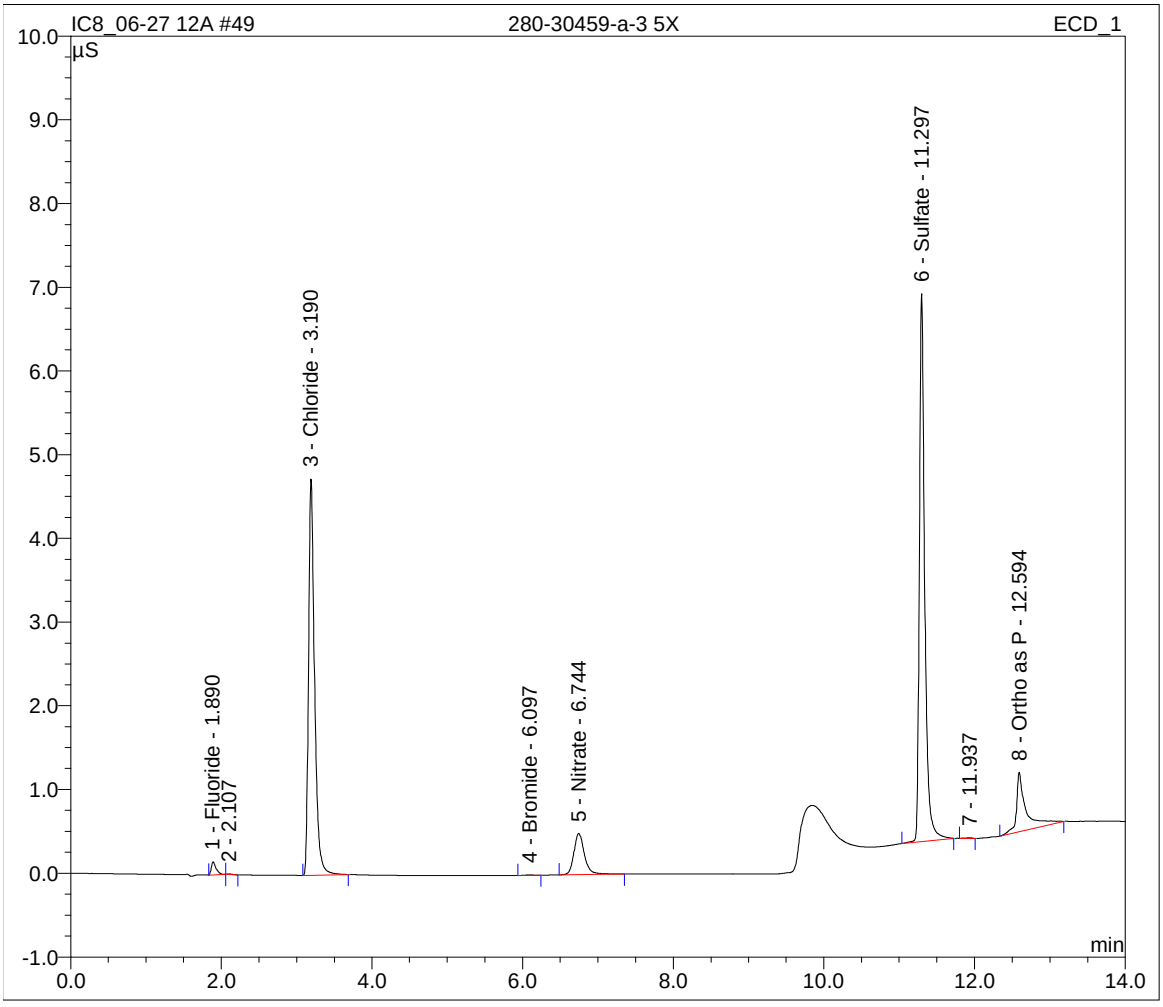
Sample Name:	**280-30459-a-2 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 01:42**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.041	0.542	0.7180
2	3.19	Chloride	BMB	1.990	21.373	70.5817
3	6.08	Bromide	BMB	0.002	0.013	0.3277
4	6.74	Nitrate	BMB	0.040	0.239	0.6640
5	11.29	Sulfate	BMB	0.770	9.099	32.7416
7	12.59	Ortho as P	BMB	0.140	1.069	-0.0536
		TOTAL:		2.98	32.34	104.98



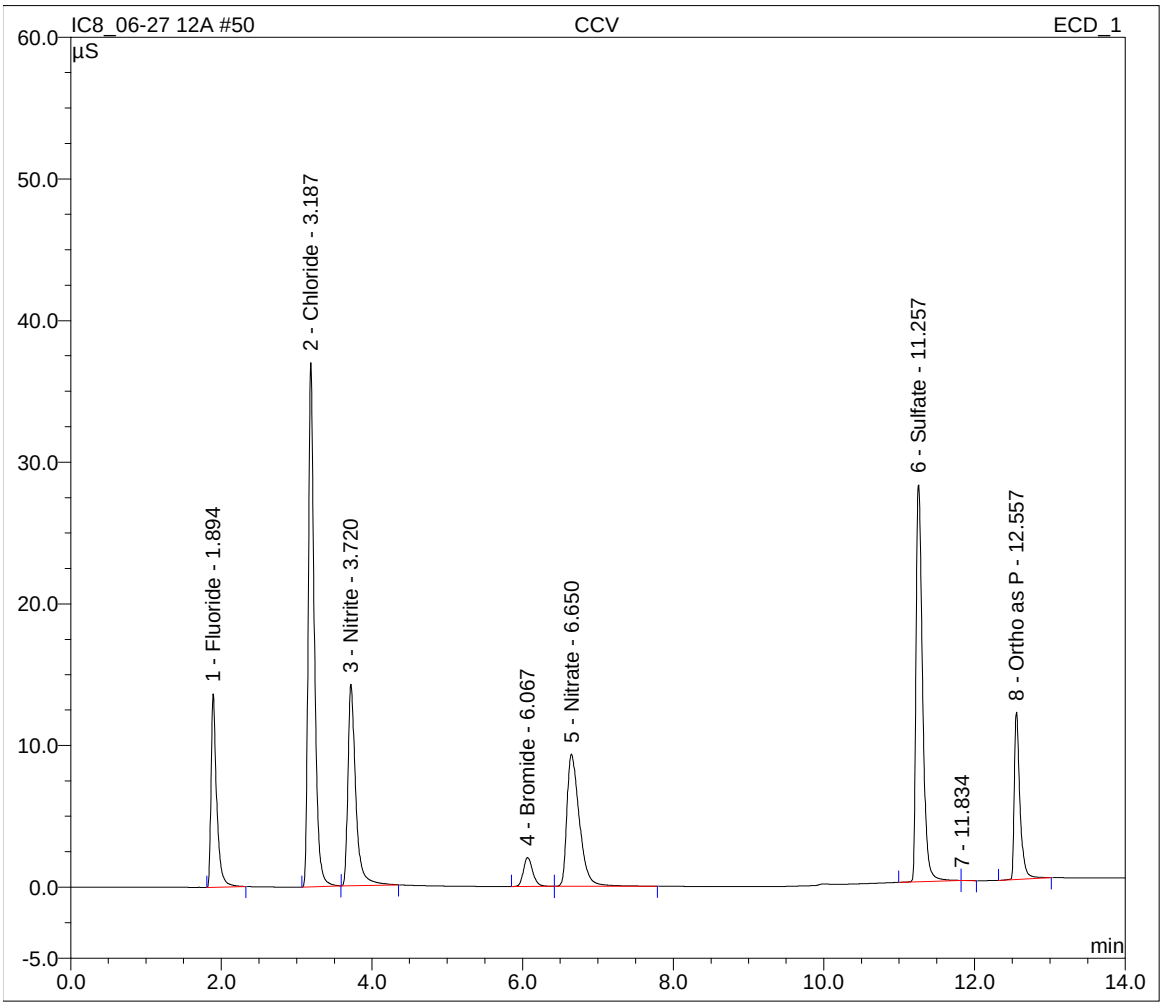
Sample Name:	**280-30459-a-3 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 01:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMb	0.012	0.157	0.0958
3	3.19	Chloride	BMB	0.441	4.733	15.7050
4	6.10	Bromide	BMB	0.001	0.006	0.2345
5	6.74	Nitrate	BMB	0.080	0.491	1.2093
6	11.30	Sulfate	BMB	0.549	6.545	23.0429
8	12.59	Ortho as P	BMB	0.105	0.709	-0.9589
		TOTAL:		1.19	12.64	39.33



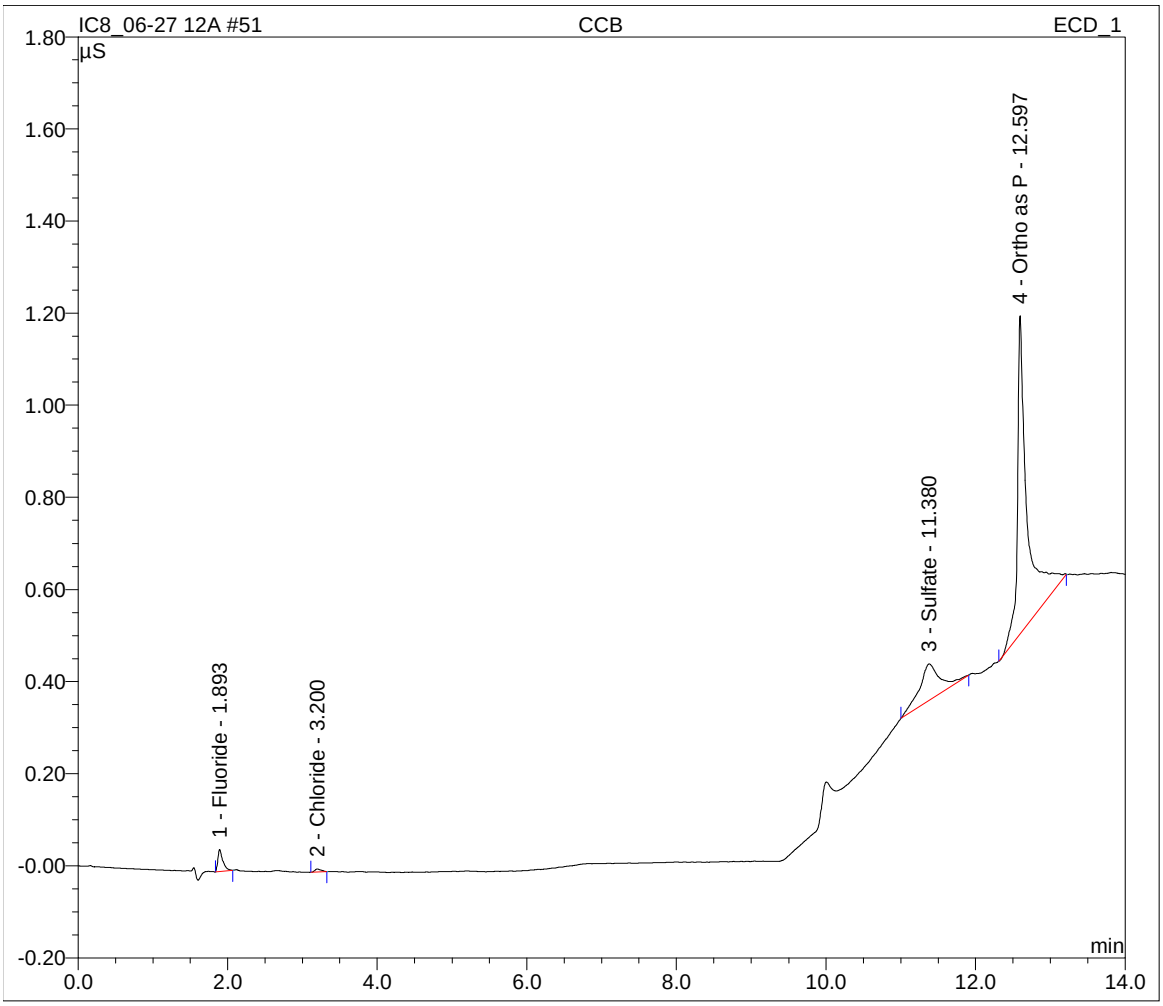
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 02:16**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.178	13.642	4.9134
2	3.19	Chloride	BMB	3.463	36.985	24.5579
3	3.72	Nitrite	BMB	1.718	14.191	4.8308
4	6.07	Bromide	BMB	0.291	2.039	4.8336
5	6.65	Nitrate	bMB	1.785	9.316	4.8807
6	11.26	Sulfate	BMb	2.811	28.003	24.4437
8	12.56	Ortho as P	BMB	1.024	11.800	4.5150
		TOTAL:		12.27	115.98	72.97



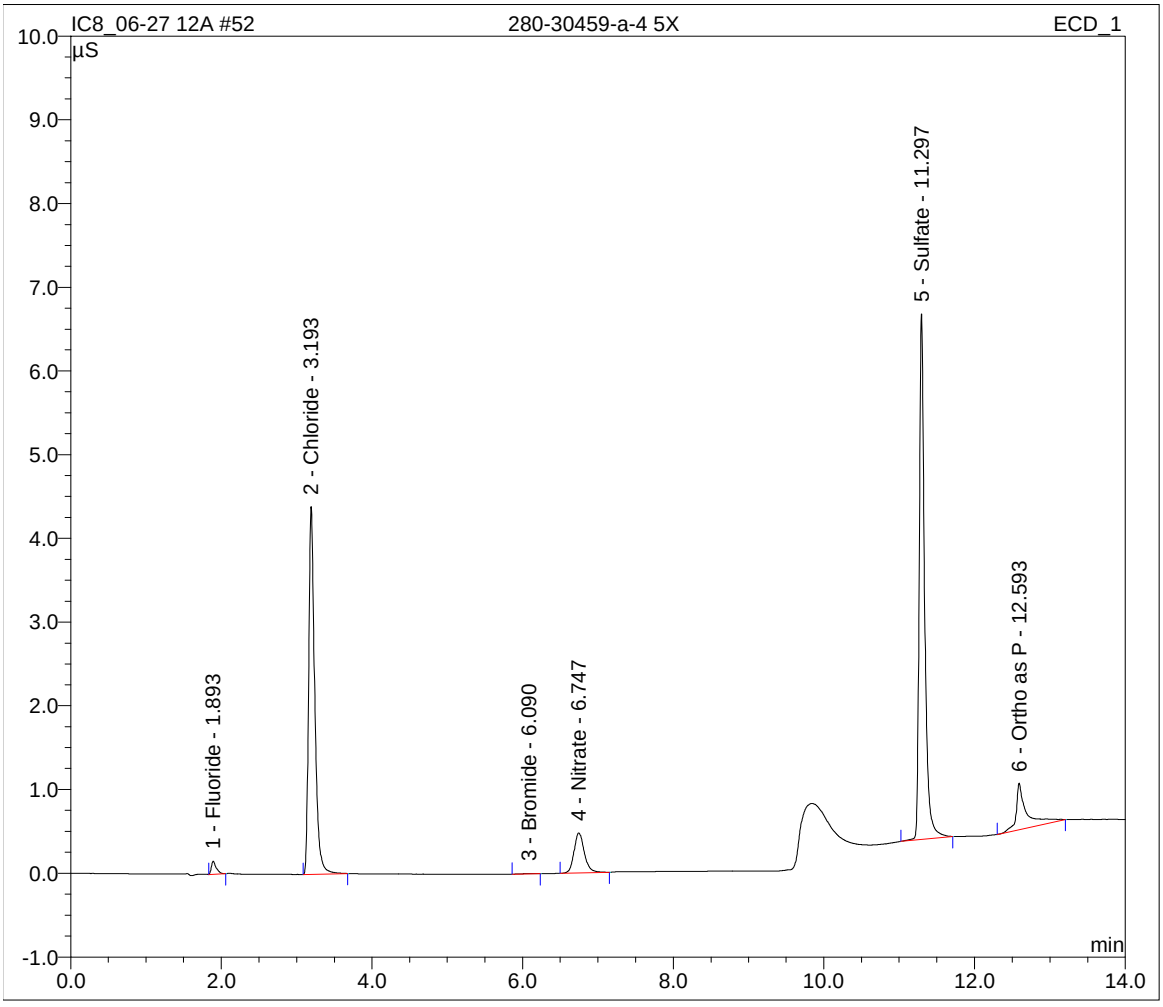
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 02:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.004	0.048	-0.0147
2	3.20	Chloride	BMB	0.001	0.007	0.0210
3	11.38	Sulfate	BMB	0.024	0.079	0.0102
4	12.60	Ortho as P	BMB	0.106	0.691	-0.1844
TOTAL:				0.13	0.82	-0.17



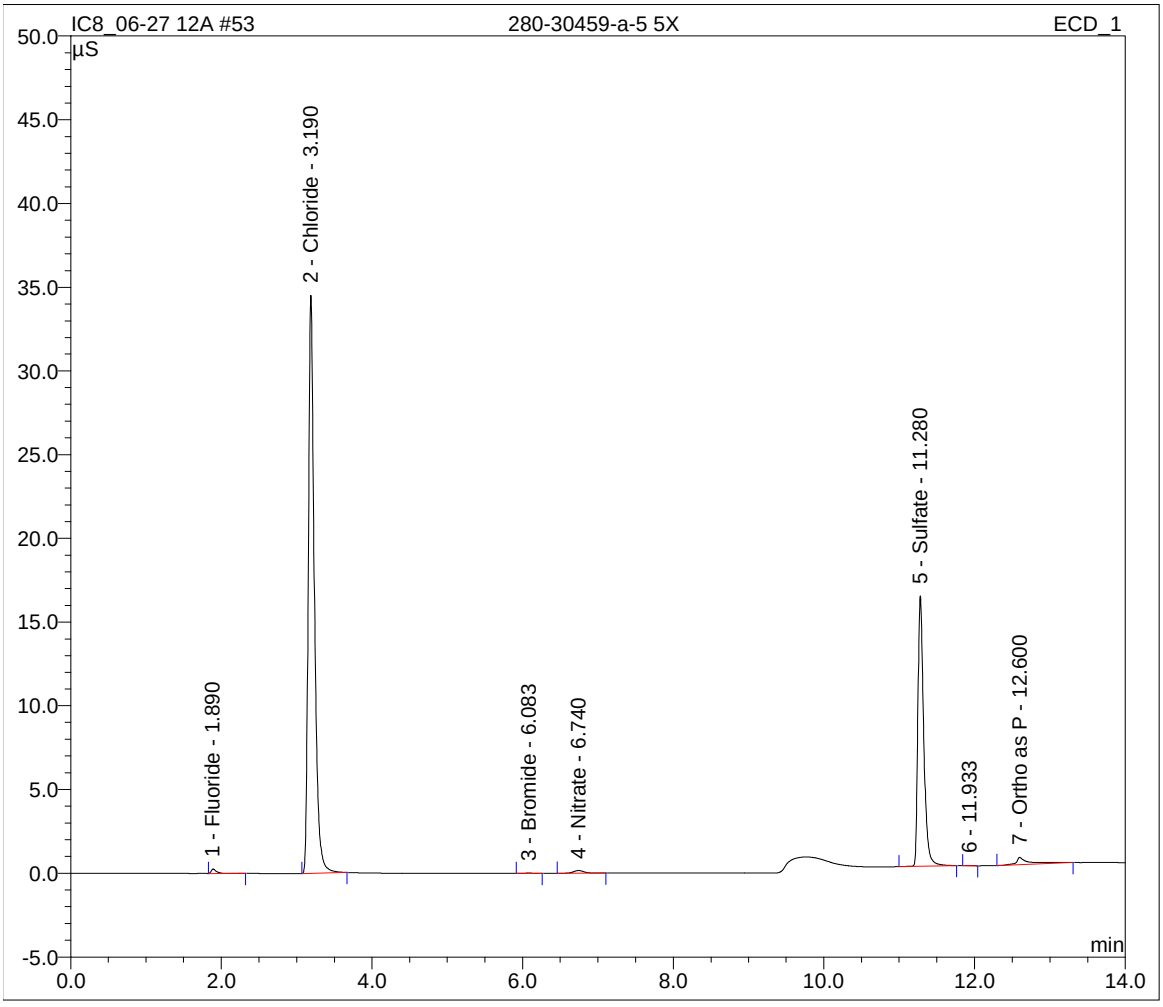
Sample Name:	**280-30459-a-4 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 02:49**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.012	0.156	0.0968
2	3.19	Chloride	BMB	0.410	4.393	14.6083
3	6.09	Bromide	BMB	0.001	0.005	0.2423
4	6.75	Nitrate	BMB	0.076	0.477	1.1589
5	11.30	Sulfate	BMB	0.526	6.281	22.0526
6	12.59	Ortho as P	BMB	0.090	0.554	-1.3256
		TOTAL:		1.12	11.87	36.83



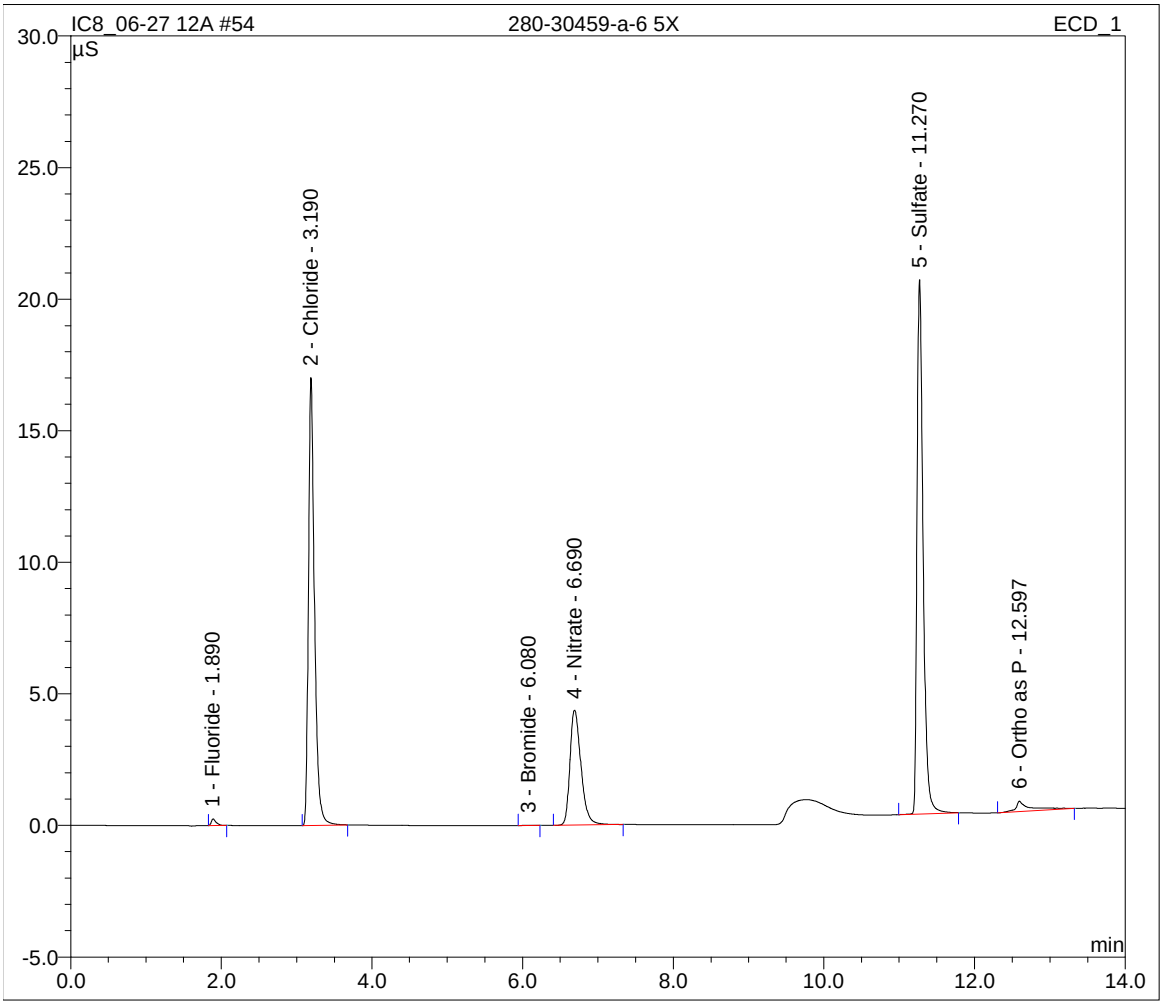
Sample Name:	**280-30459-a-5 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 03:06**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.023	0.272	0.3324
2	3.19	Chloride	BMB	3.227	34.532	114.4166
3	6.08	Bromide	BMB	0.002	0.016	0.3600
4	6.74	Nitrate	BMB	0.026	0.160	0.4823
5	11.28	Sulfate	BMB	1.453	16.151	62.6617
7	12.60	Ortho as P	BMB	0.087	0.433	-1.4059
		TOTAL:		4.82	51.56	176.85



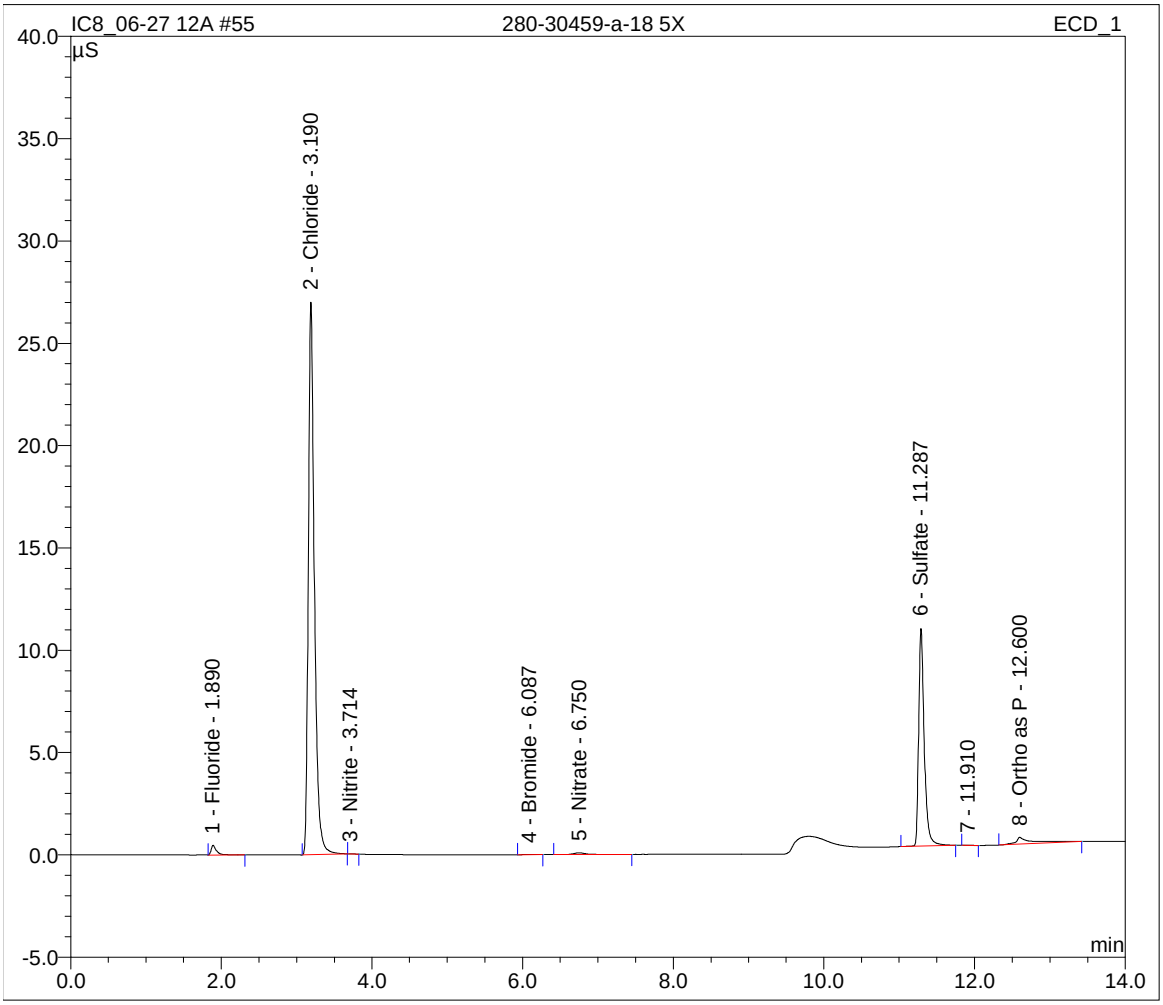
Sample Name:	**280-30459-a-6 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 03:23**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.020	0.258	0.2635
2	3.19	Chloride	BMB	1.585	17.019	56.2407
3	6.08	Bromide	BMB	0.002	0.012	0.3000
4	6.69	Nitrate	BMB	0.739	4.361	10.1728
5	11.27	Sulfate	BMB	1.900	20.309	82.2955
6	12.60	Ortho as P	BMB	0.085	0.394	-1.4553
		TOTAL:		4.33	42.35	147.82



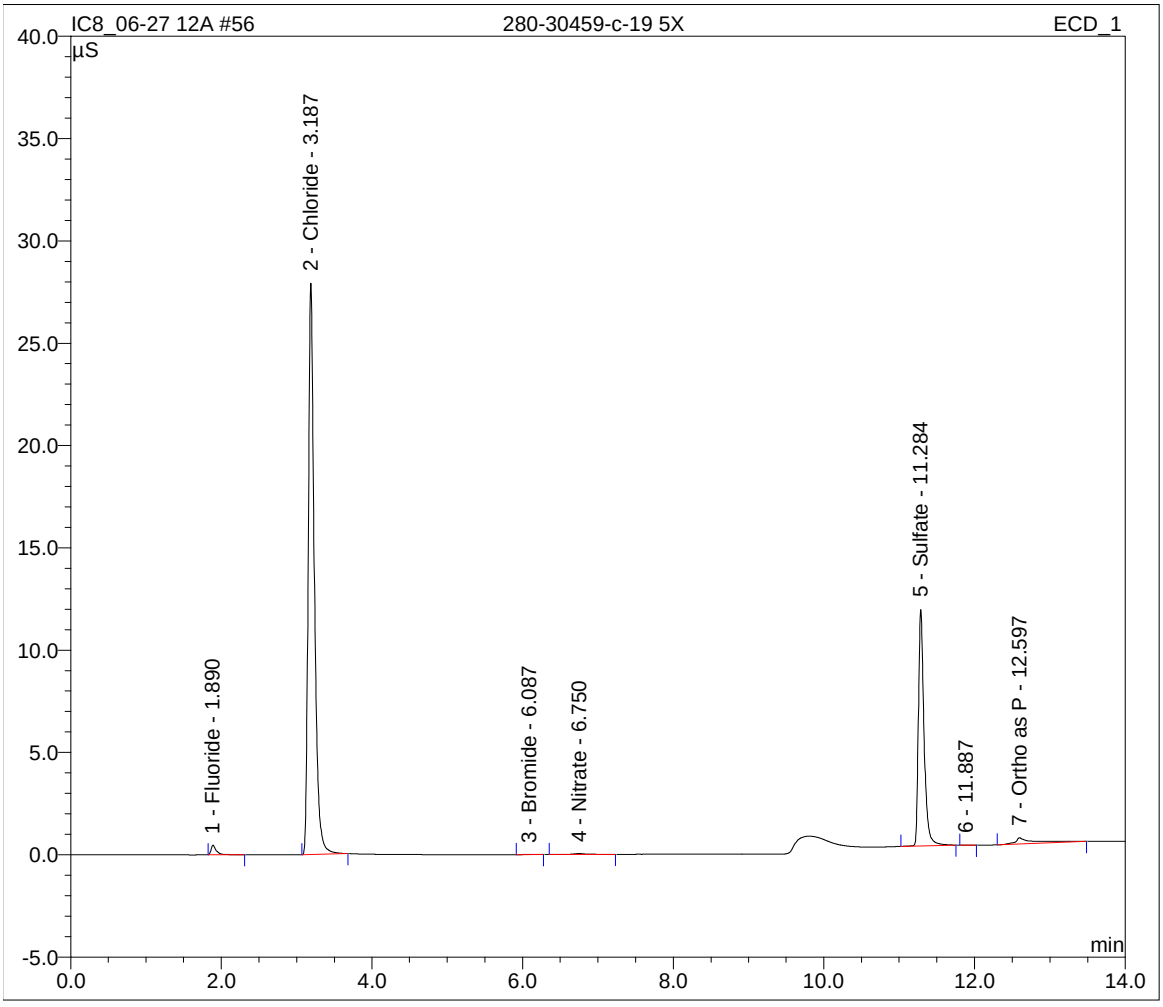
Sample Name:	**280-30459-a-18 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 03:40**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.039	0.473	0.6697
2	3.19	Chloride	BMB	2.527	27.008	89.6254
3	3.71	Nitrite	BMB	0.001	0.007	0.0448
4	6.09	Bromide	BMB	0.002	0.015	0.3471
5	6.75	Nitrate	BMB	0.016	0.086	0.3467
6	11.29	Sulfate	BMB	0.919	10.637	39.2869
8	12.60	Ortho as P	BMB	0.087	0.333	-1.4012
TOTAL:				3.59	38.56	128.92



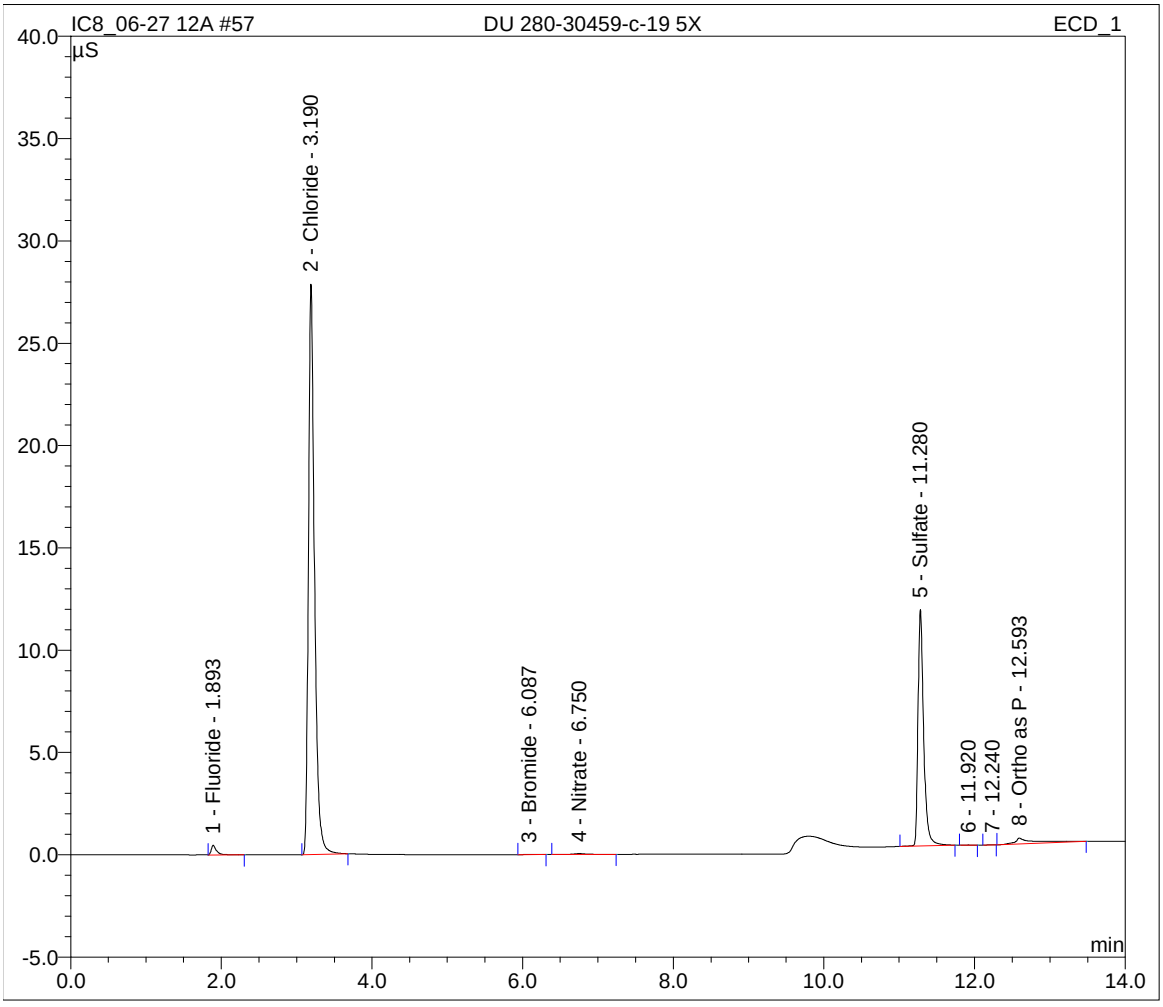
Sample Name:	**280-30459-c-19 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 03:57**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.039	0.472	0.6670
2	3.19	Chloride	BMB	2.624	27.939	93.0532
3	6.09	Bromide	BMB	0.002	0.016	0.3577
4	6.75	Nitrate	BMB	0.008	0.043	0.2417
5	11.28	Sulfate	BMB	1.005	11.557	43.0602
7	12.60	Ortho as P	BMB	0.090	0.306	-1.3397
		TOTAL:		3.77	40.33	136.04



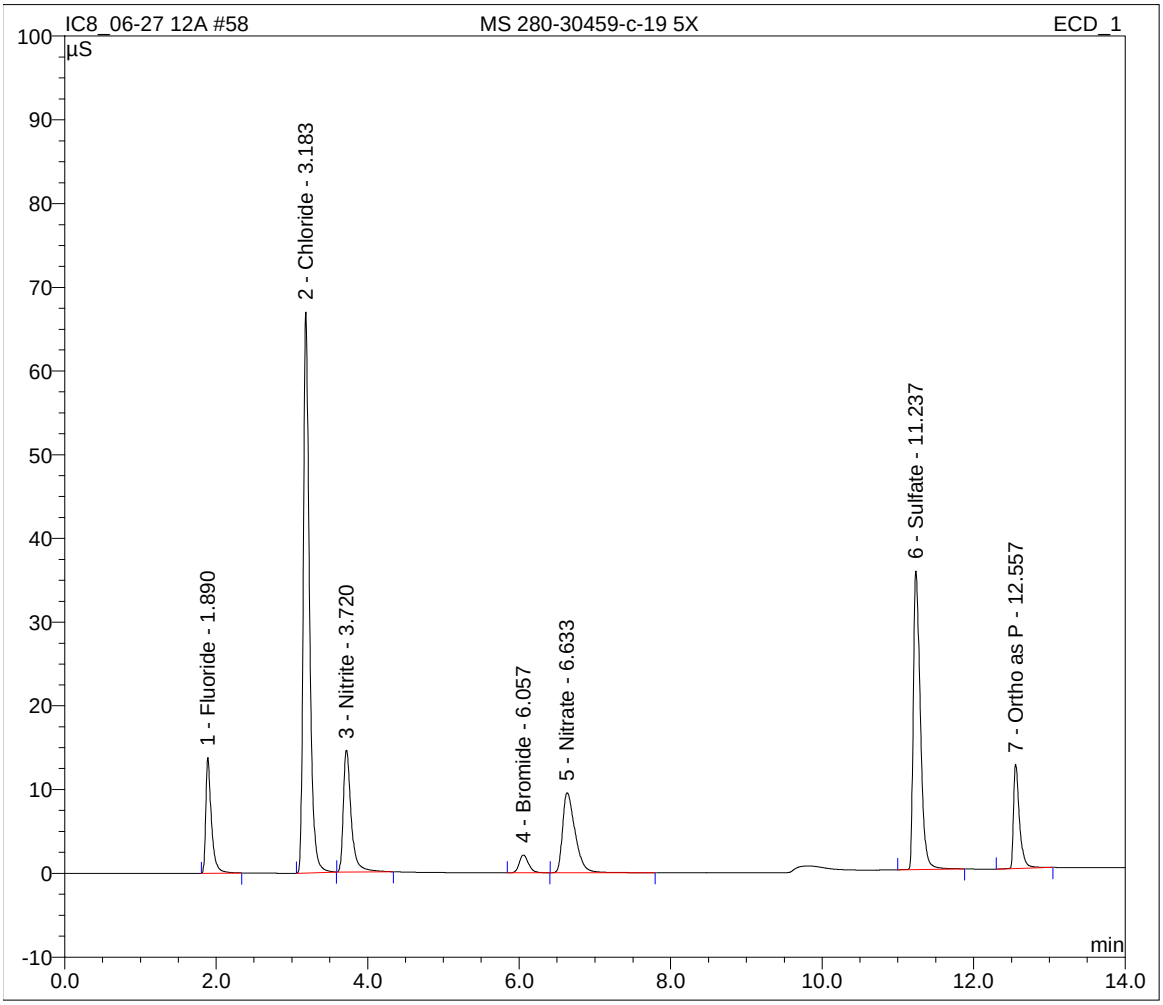
Sample Name:	**DU 280-30459-c-19 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 04:13**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.039	0.470	0.6638
2	3.19	Chloride	BMB	2.617	27.889	92.8082
3	6.09	Bromide	BMB	0.002	0.016	0.3543
4	6.75	Nitrate	BMB	0.008	0.042	0.2403
5	11.28	Sulfate	BMB	1.003	11.547	42.9618
8	12.59	Ortho as P	BMB	0.084	0.285	-1.4743
		TOTAL:		3.75	40.25	135.55



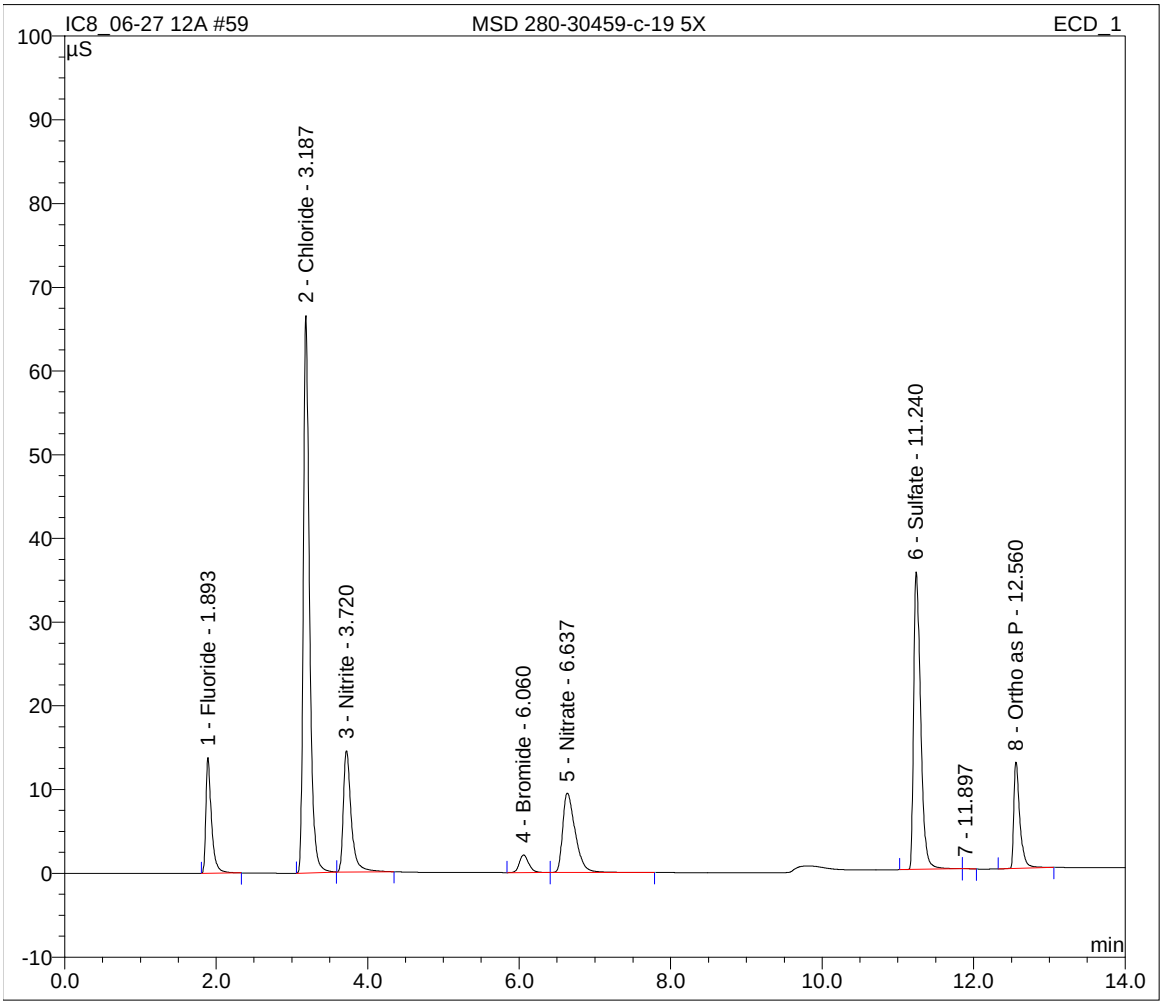
Sample Name:	**MS 280-30459-c-19 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 04:30**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.197	13.814	24.9804
2	3.18	Chloride	BMB	6.307	67.026	223.5441
3	3.72	Nitrite	BMB	1.751	14.531	24.6224
4	6.06	Bromide	BMB	0.303	2.125	25.1993
5	6.63	Nitrate	BMB	1.825	9.532	24.9517
6	11.24	Sulfate	BMB	3.856	35.686	168.0468
7	12.56	Ortho as P	BMB	1.133	12.430	25.3509
TOTAL:				16.37	155.14	516.70



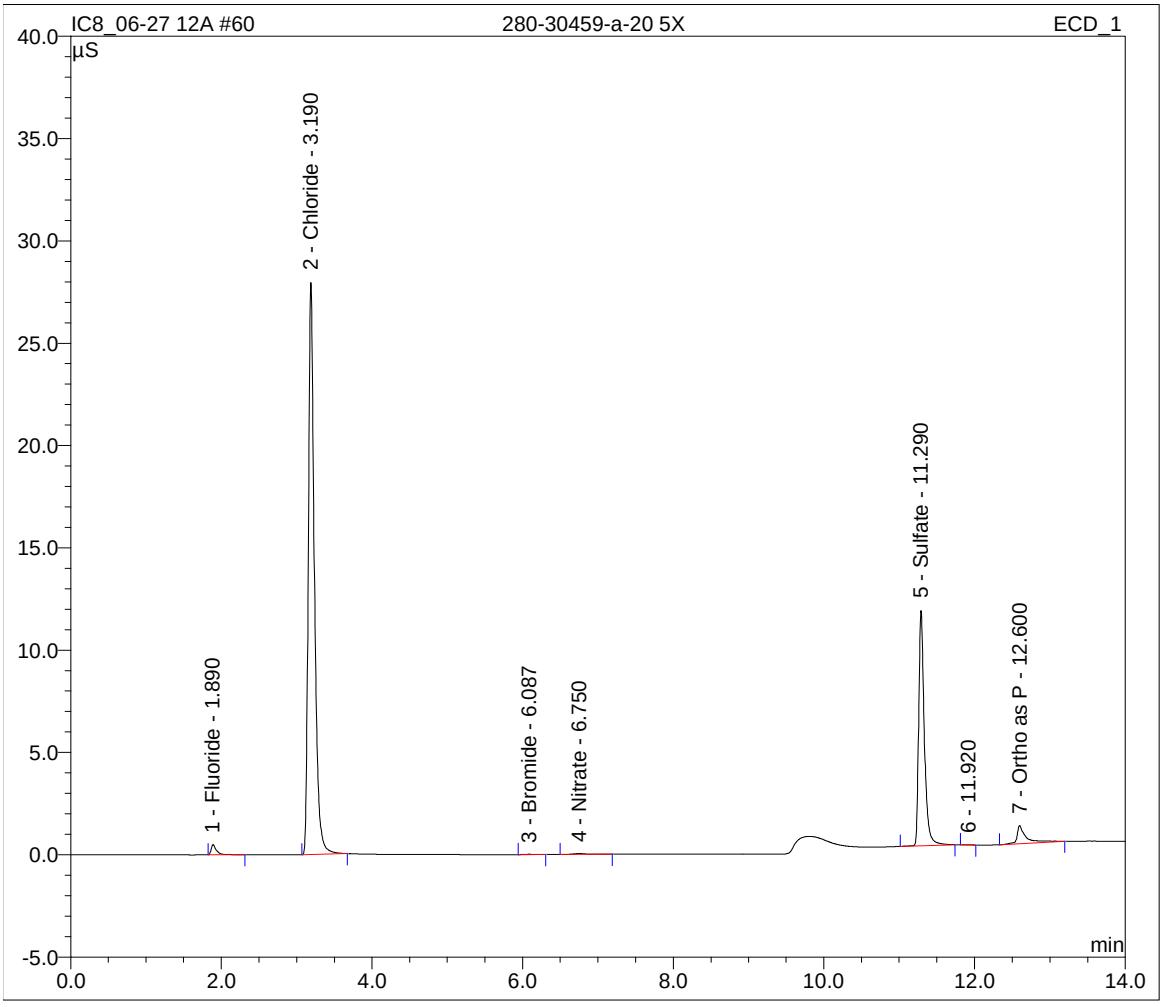
Sample Name:	**MSD 280-30459-c-19 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 04:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.199	13.821	25.0073
2	3.19	Chloride	BMB	6.291	66.605	222.9905
3	3.72	Nitrite	BMB	1.747	14.444	24.5578
4	6.06	Bromide	BMB	0.302	2.105	25.1515
5	6.64	Nitrate	bMB	1.821	9.469	24.8962
6	11.24	Sulfate	BMb	3.836	35.534	167.1472
8	12.56	Ortho as P	BMB	1.173	12.693	26.3891
		TOTAL:		16.37	154.67	516.14



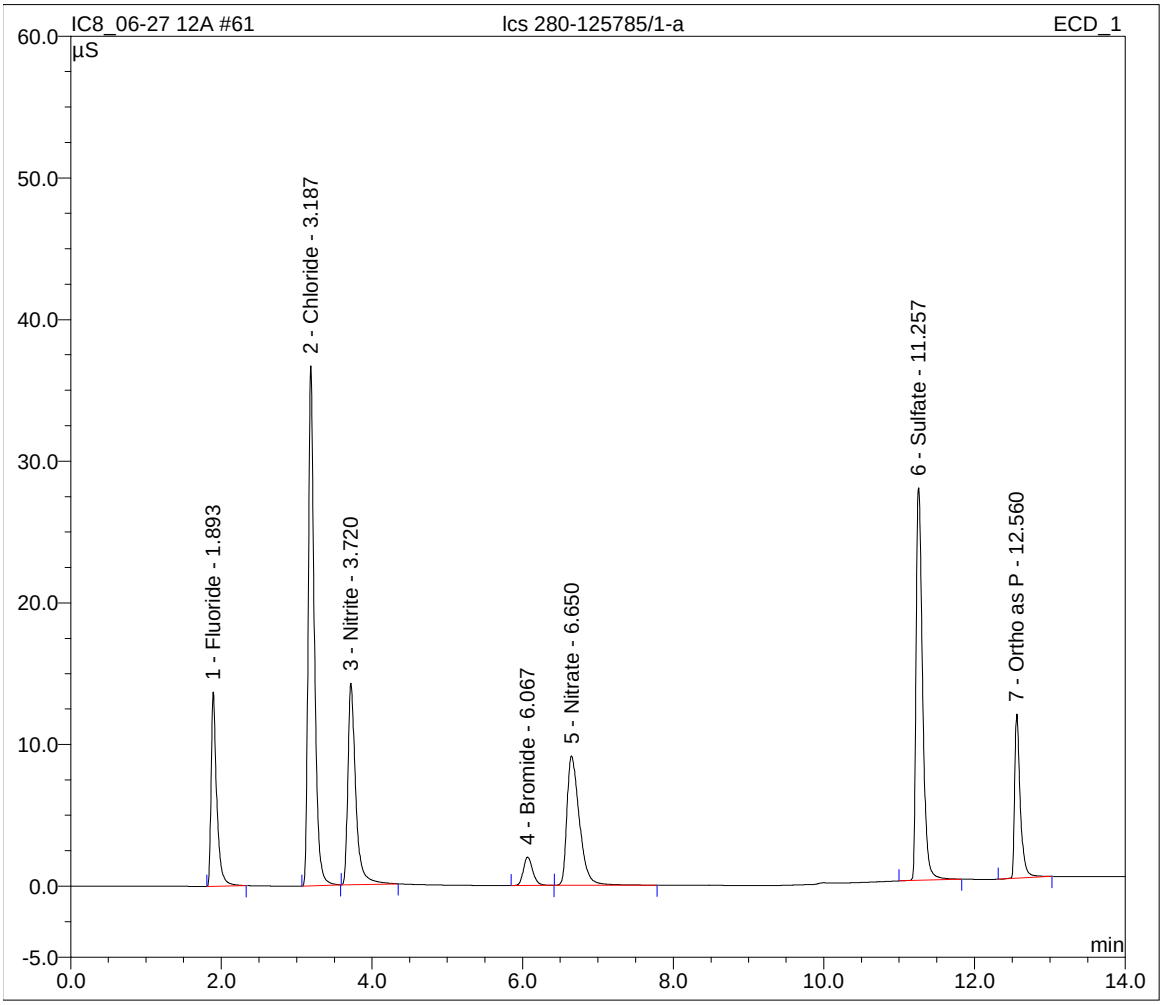
Sample Name:	**280-30459-a-20 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 05:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.042	0.500	0.7218
2	3.19	Chloride	BMB	2.622	27.968	92.9802
3	6.09	Bromide	BMB	0.002	0.016	0.3586
4	6.75	Nitrate	BMB	0.008	0.043	0.2354
5	11.29	Sulfate	BMB	1.001	11.499	42.8671
7	12.60	Ortho as P	BMB	0.125	0.888	-0.4461
		TOTAL:		3.80	40.92	136.72



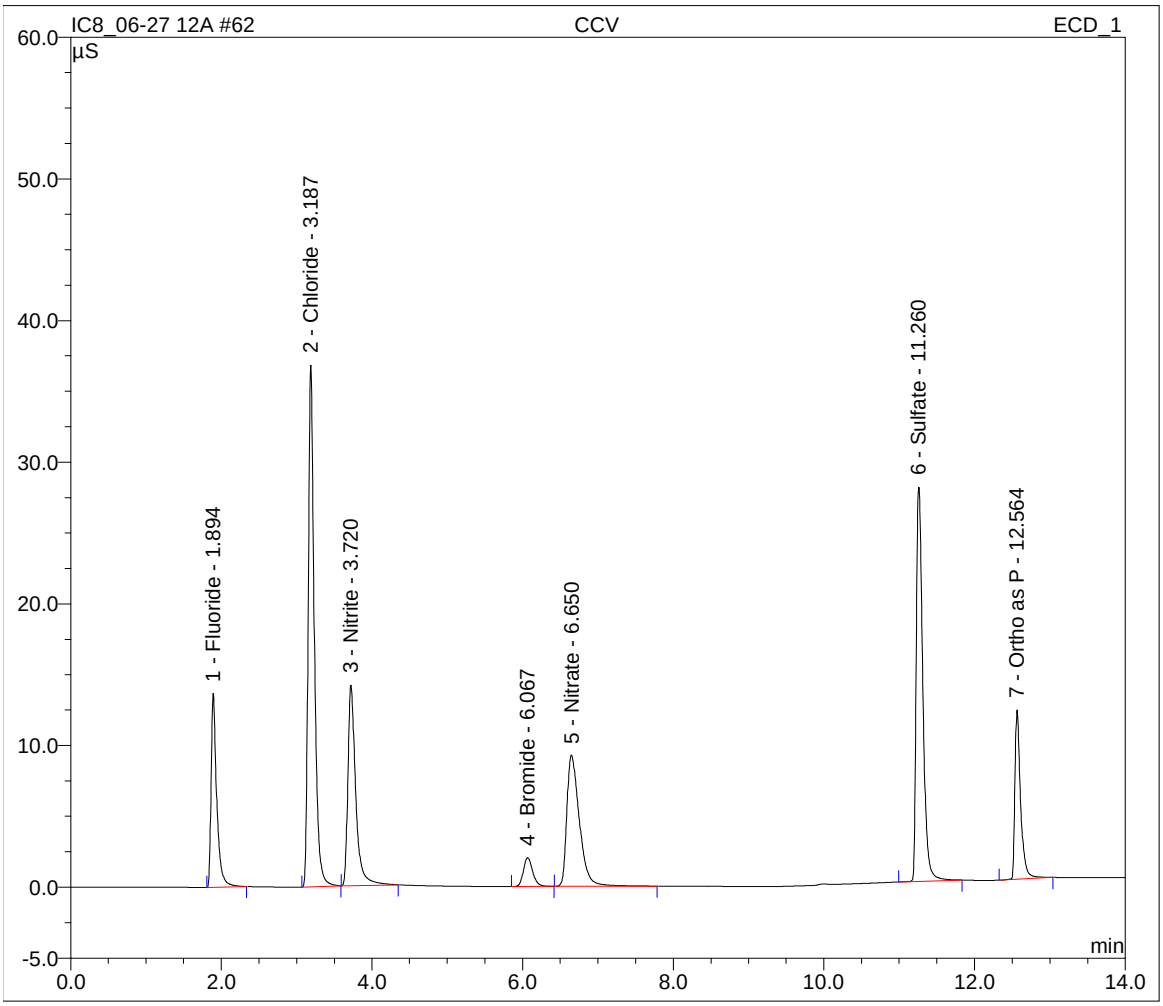
Sample Name:	**lcs 280-125785/1-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 05:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.182	13.717	4.9317
2	3.19	Chloride	BMB	3.444	36.701	24.4219
3	3.72	Nitrite	BMB	1.723	14.209	4.8438
4	6.07	Bromide	BMB	0.287	2.005	4.7737
5	6.65	Nitrate	BMB	1.747	9.130	4.7782
6	11.26	Sulfate	BMB	2.768	27.708	24.0648
7	12.56	Ortho as P	BMB	1.004	11.587	4.4094
TOTAL:				12.15	115.06	72.22



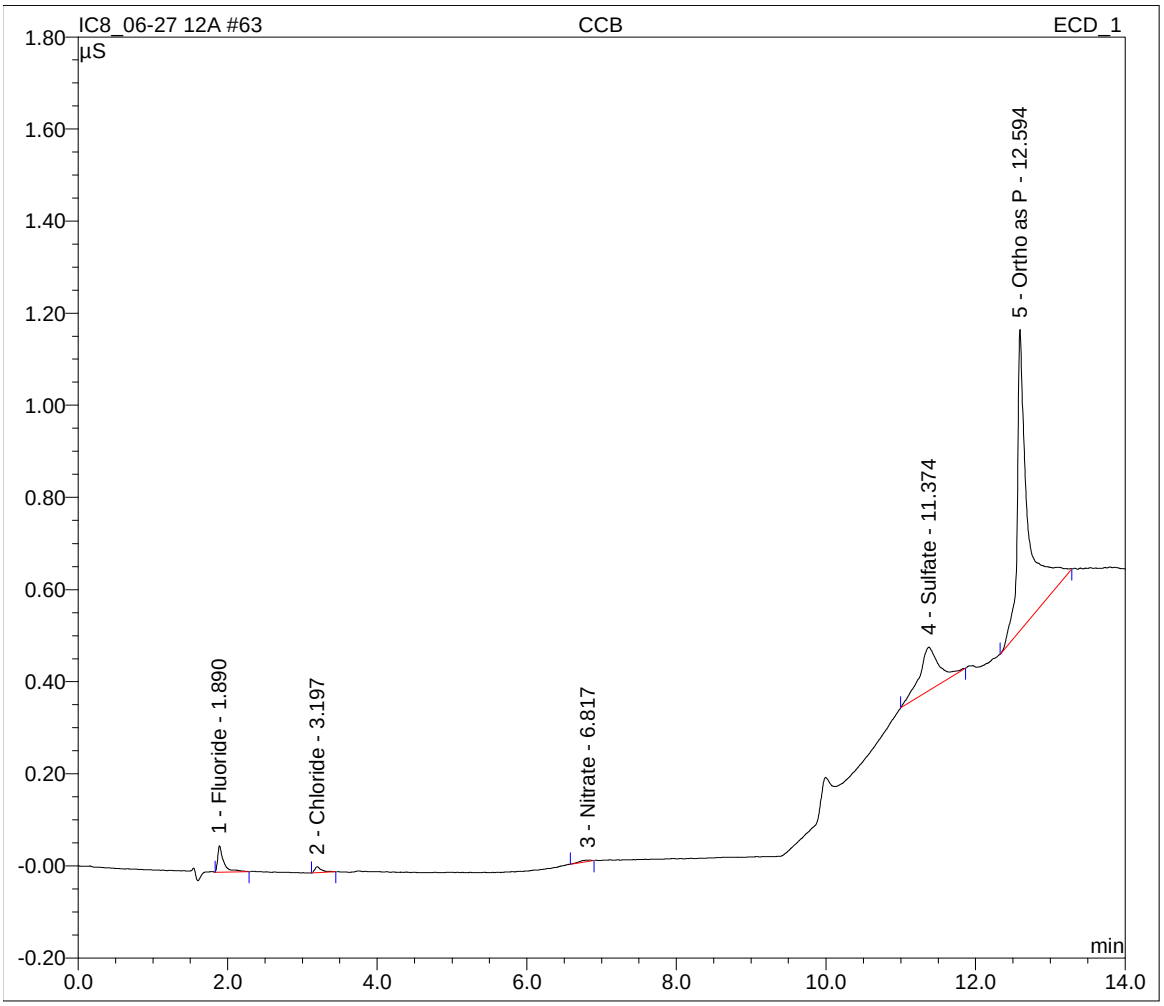
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 05:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.184	13.678	4.9392
2	3.19	Chloride	BMB	3.455	36.813	24.4995
3	3.72	Nitrite	BMB	1.714	14.140	4.8203
4	6.07	Bromide	BMB	0.289	2.023	4.8102
5	6.65	Nitrate	BMB	1.782	9.254	4.8742
6	11.26	Sulfate	BMB	2.802	27.826	24.3680
7	12.56	Ortho as P	BMB	1.052	11.942	4.6560
		TOTAL:		12.28	115.68	72.97



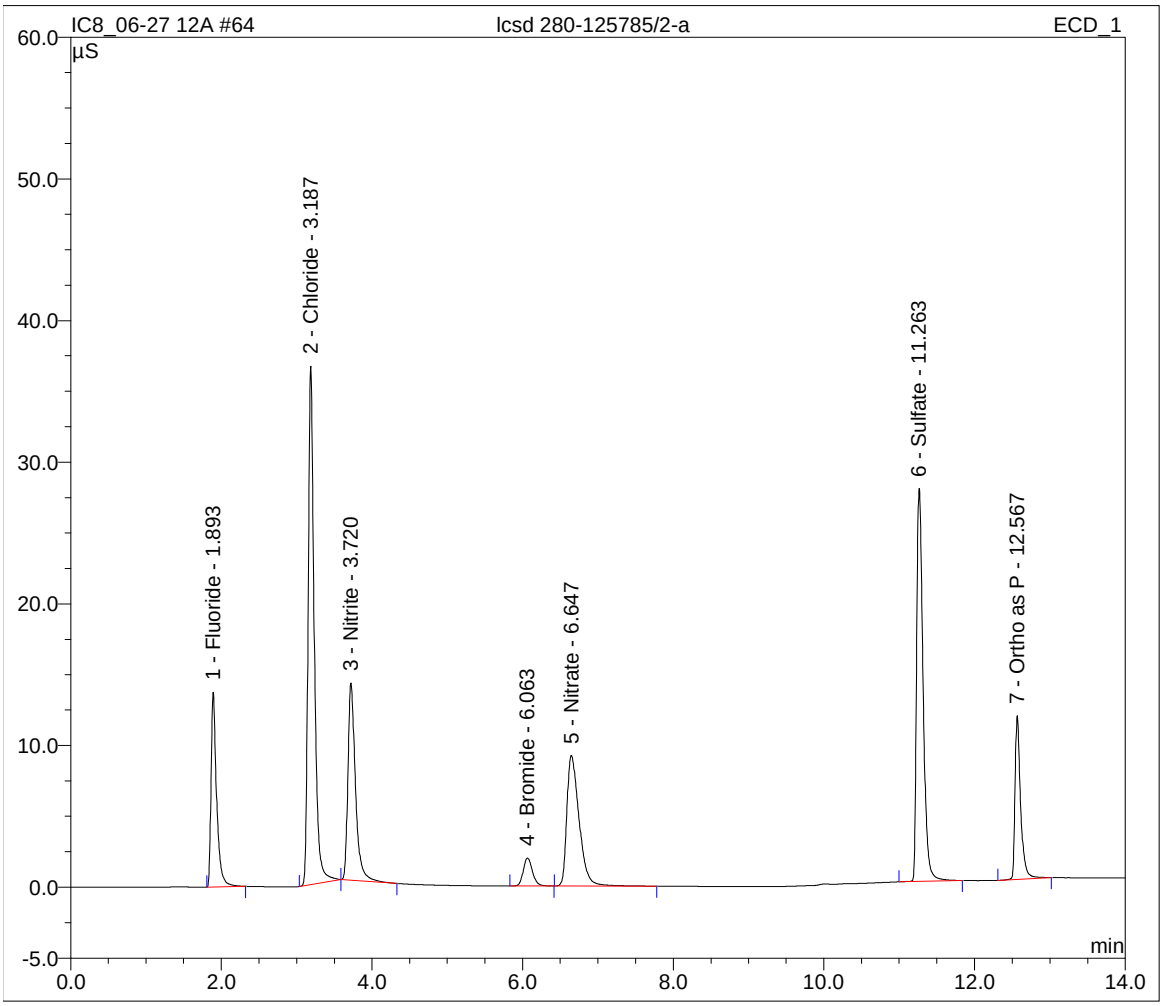
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 05:54**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.005	0.058	-0.0076
2	3.20	Chloride	BMB	0.001	0.013	0.0262
3	6.82	Nitrate	BMB	0.001	0.003	0.0269
4	11.37	Sulfate	BMB	0.028	0.095	0.0435
5	12.59	Ortho as P	BMB	0.112	0.654	-0.1534
		TOTAL:		0.15	0.82	-0.06



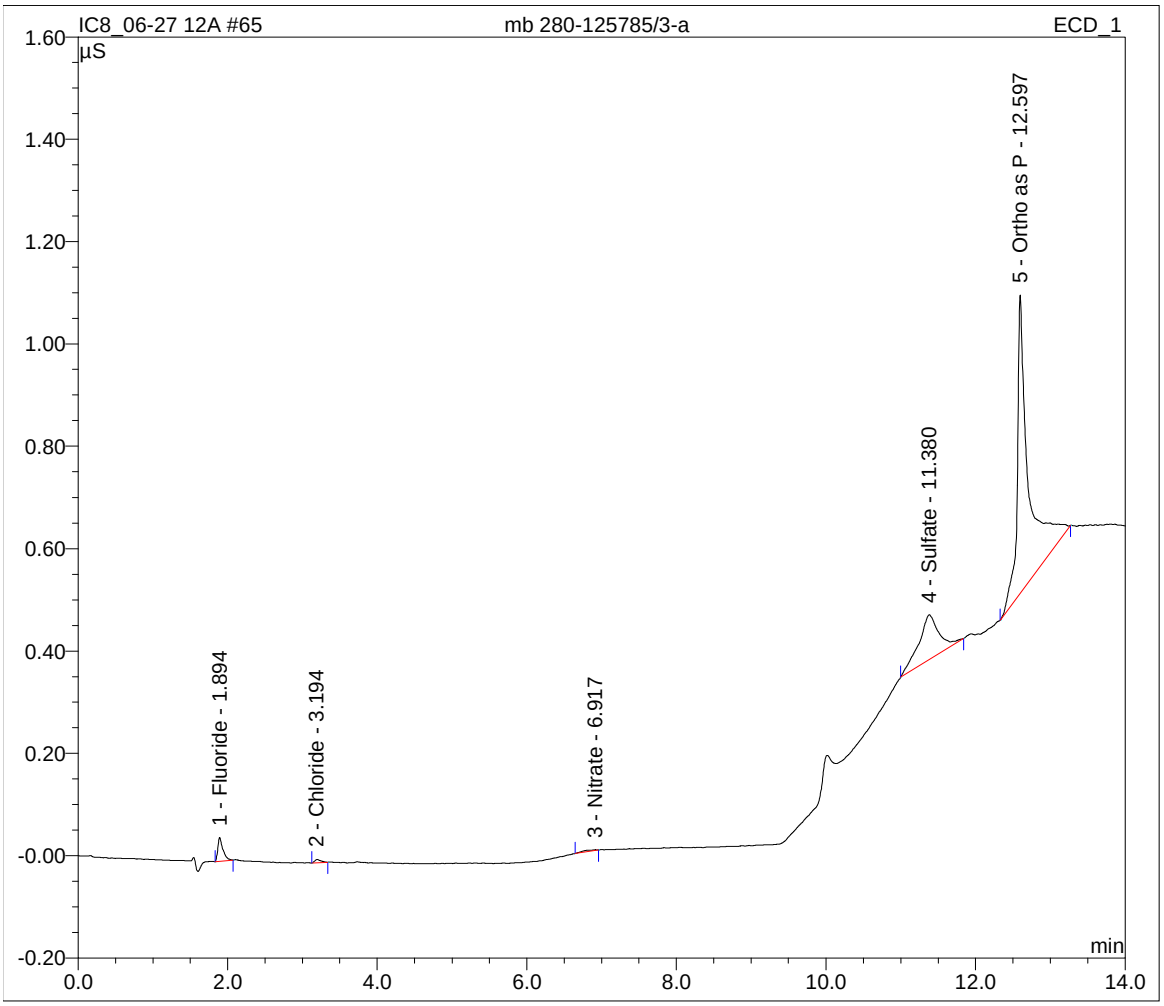
Sample Name:	**lcsd 280-125785/2-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 06:18**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.177	13.731	4.9115
2	3.19	Chloride	BMb	3.452	36.590	24.4795
3	3.72	Nitrite	bMB	1.623	13.910	4.5635
4	6.06	Bromide	BMB	0.280	1.981	4.6626
5	6.65	Nitrate	BMB	1.736	9.221	4.7484
6	11.26	Sulfate	BMB	2.750	27.745	23.9094
7	12.57	Ortho as P	BMB	0.995	11.555	4.3650
		TOTAL:		12.01	114.73	71.64



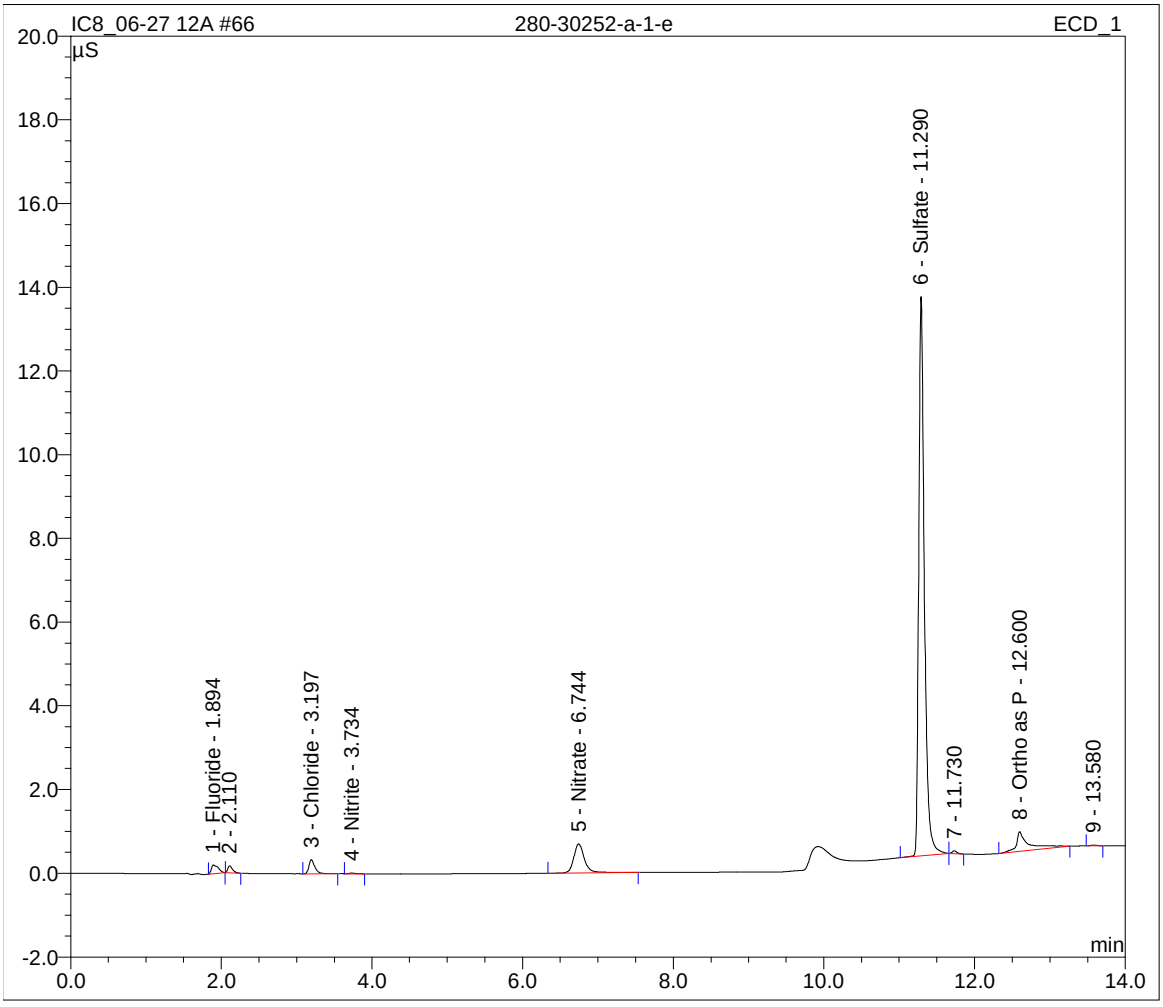
Sample Name:	**mb 280-125785/3-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 06:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.004	0.047	-0.0146
2	3.19	Chloride	BMB	0.001	0.006	0.0208
3	6.92	Nitrate	BMB	0.001	0.001	0.0267
4	11.38	Sulfate	BMB	0.027	0.088	0.0350
5	12.60	Ortho as P	BMB	0.102	0.583	-0.2034
		TOTAL:		0.13	0.72	-0.14



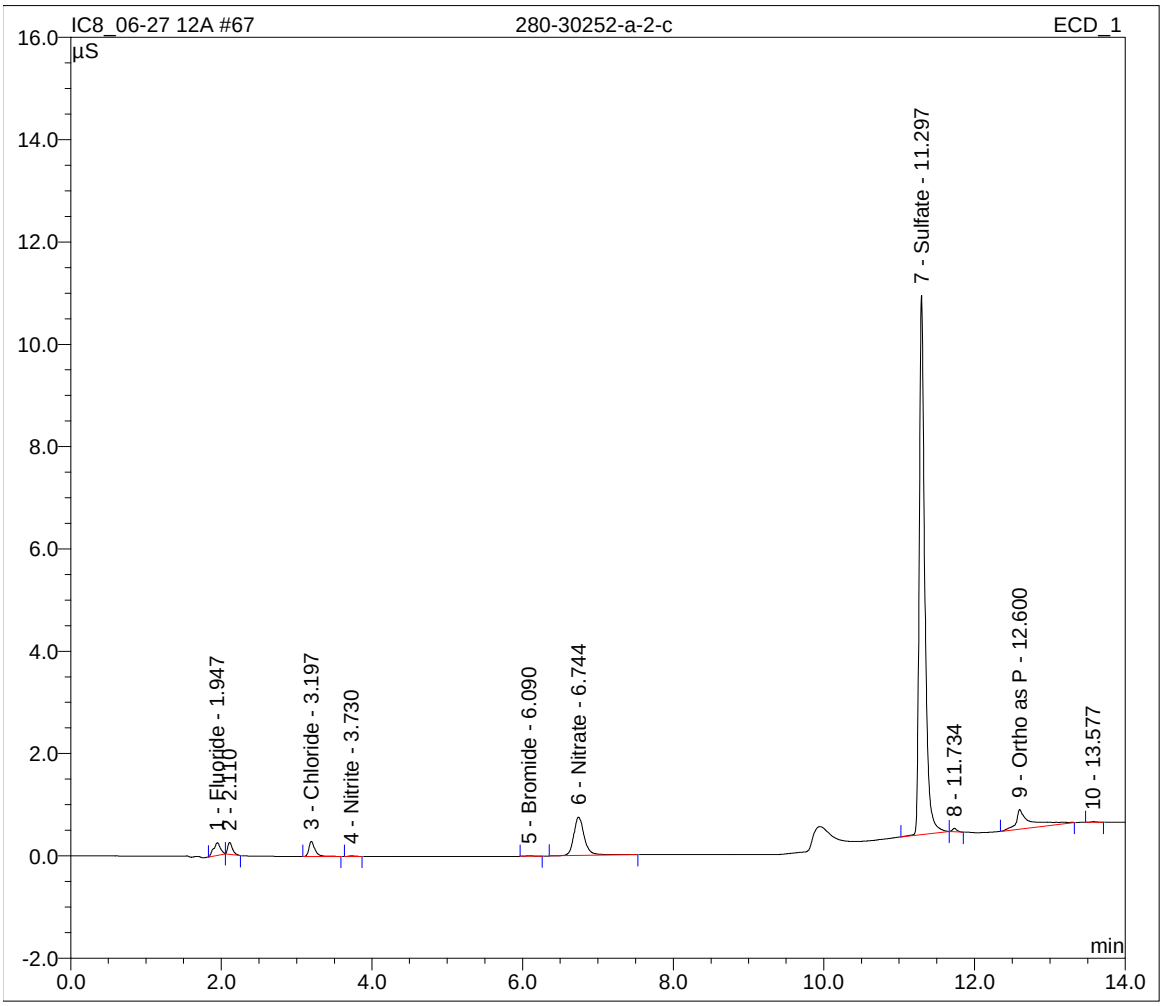
Sample Name:	**280-30252-a-1-e**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 06:51**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.023	0.213	0.0646
3	3.20	Chloride	BMB	0.031	0.338	0.2380
4	3.73	Nitrite	BMB	0.002	0.017	0.0119
5	6.74	Nitrate	BMB	0.116	0.695	0.3411
6	11.29	Sulfate	BMb	1.170	13.364	10.0562
8	12.60	Ortho as P	BMB	0.090	0.470	-0.2681
		TOTAL:		1.43	15.10	10.44



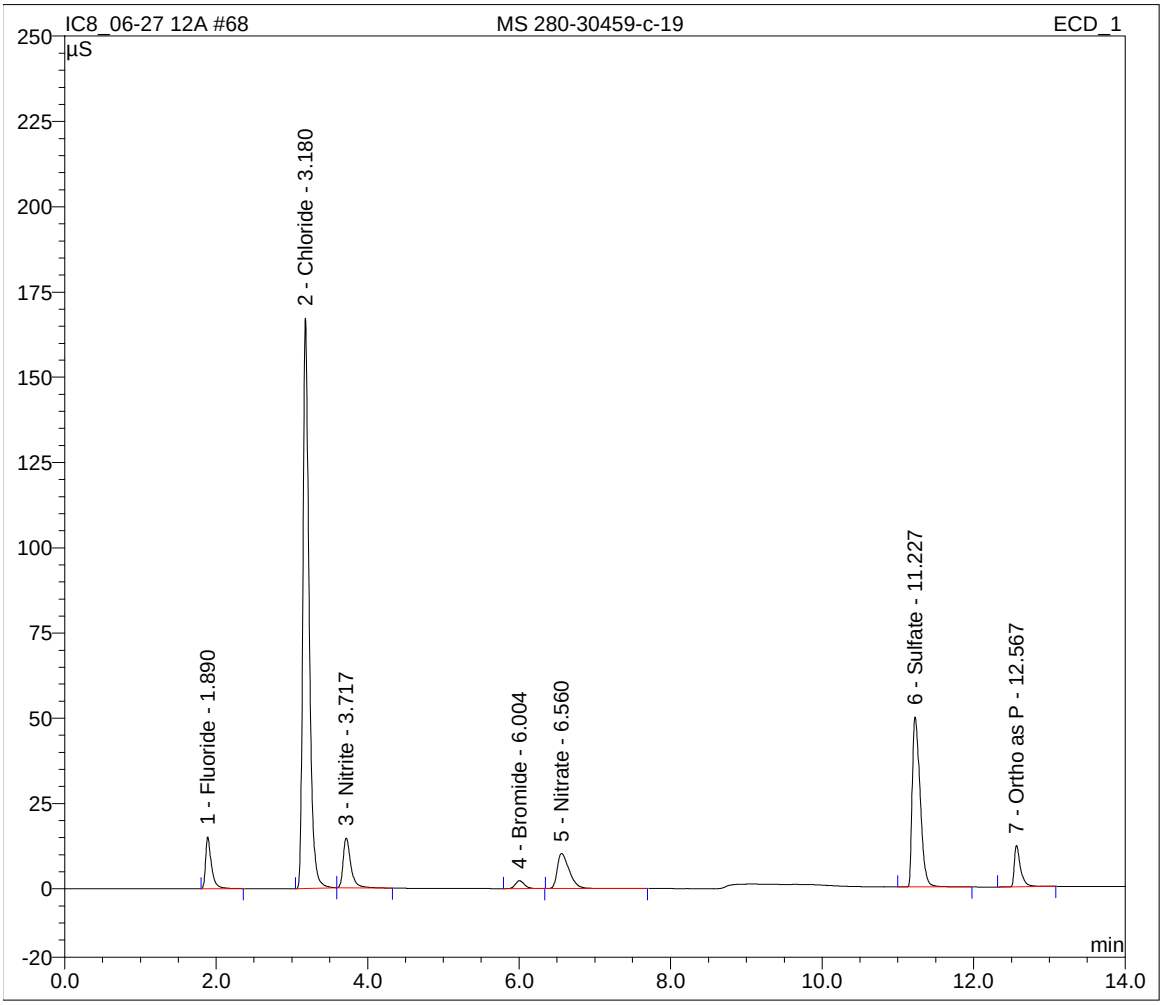
Sample Name:	**280-30252-a-2-c**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 07:08**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.95	Fluoride	BMb	0.026	0.247	0.0778
3	3.20	Chloride	BMB	0.027	0.294	0.2104
4	3.73	Nitrite	BMB	0.001	0.010	0.0100
5	6.09	Bromide	BMB	0.001	0.007	0.0488
6	6.74	Nitrate	BMB	0.123	0.751	0.3612
7	11.30	Sulfate	BMb	0.911	10.540	7.7859
9	12.60	Ortho as P	BMB	0.086	0.383	-0.2875
		TOTAL:		1.18	12.23	8.21



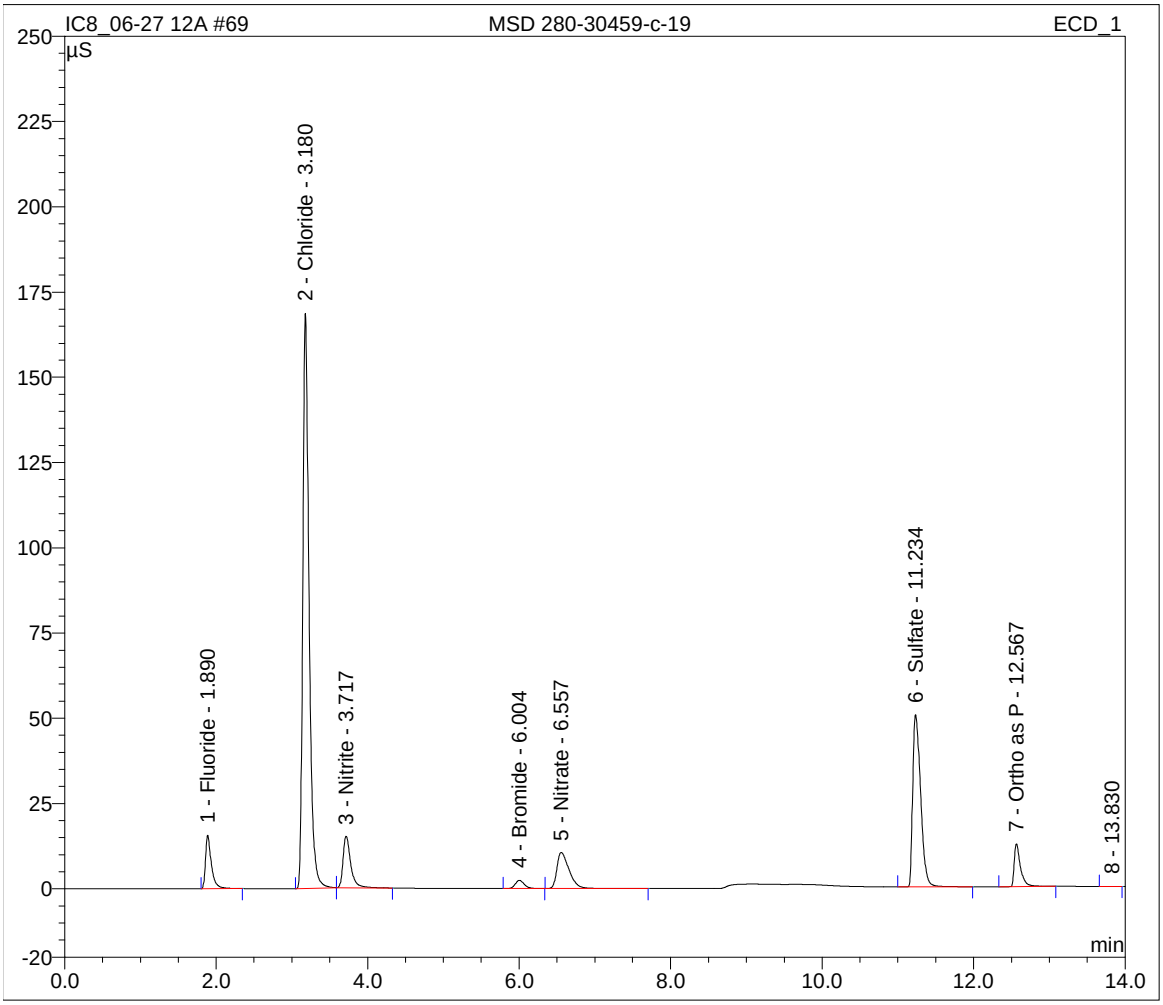
Sample Name:	**MS 280-30459-c-19**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 07:25**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.381	15.231	5.7675
2	3.18	Chloride	BMB	15.896	167.249	112.6635
3	3.72	Nitrite	bMB	1.708	14.530	4.8030
4	6.00	Bromide	BMB	0.319	2.321	5.3114
5	6.56	Nitrate	BMB	1.884	10.265	5.1496
6	11.23	Sulfate	BMB	6.020	49.780	52.5787
7	12.57	Ortho as P	BMB	1.145	12.108	5.1298
		TOTAL:		28.35	271.48	191.40



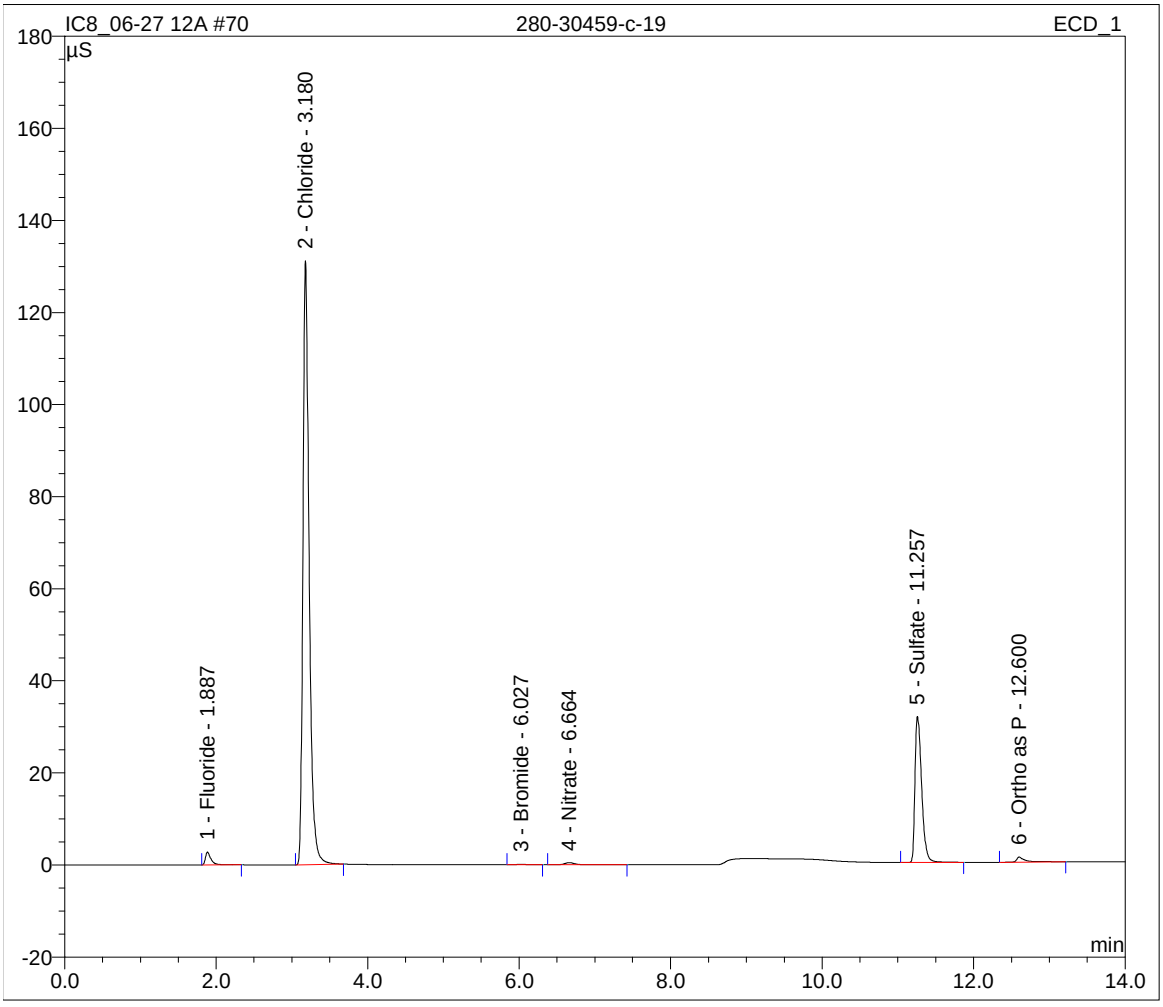
Sample Name:	**MSD 280-30459-c-19**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 07:42**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.429	15.721	5.9698
2	3.18	Chloride	BMb	16.054	168.703	113.7881
3	3.72	Nitrite	bMB	1.777	15.041	4.9973
4	6.00	Bromide	BMB	0.332	2.409	5.5252
5	6.56	Nitrate	BMB	1.960	10.568	5.3584
6	11.23	Sulfate	BMB	6.128	50.431	53.5292
7	12.57	Ortho as P	BMB	1.205	12.501	5.4393
TOTAL:				28.89	275.37	194.61



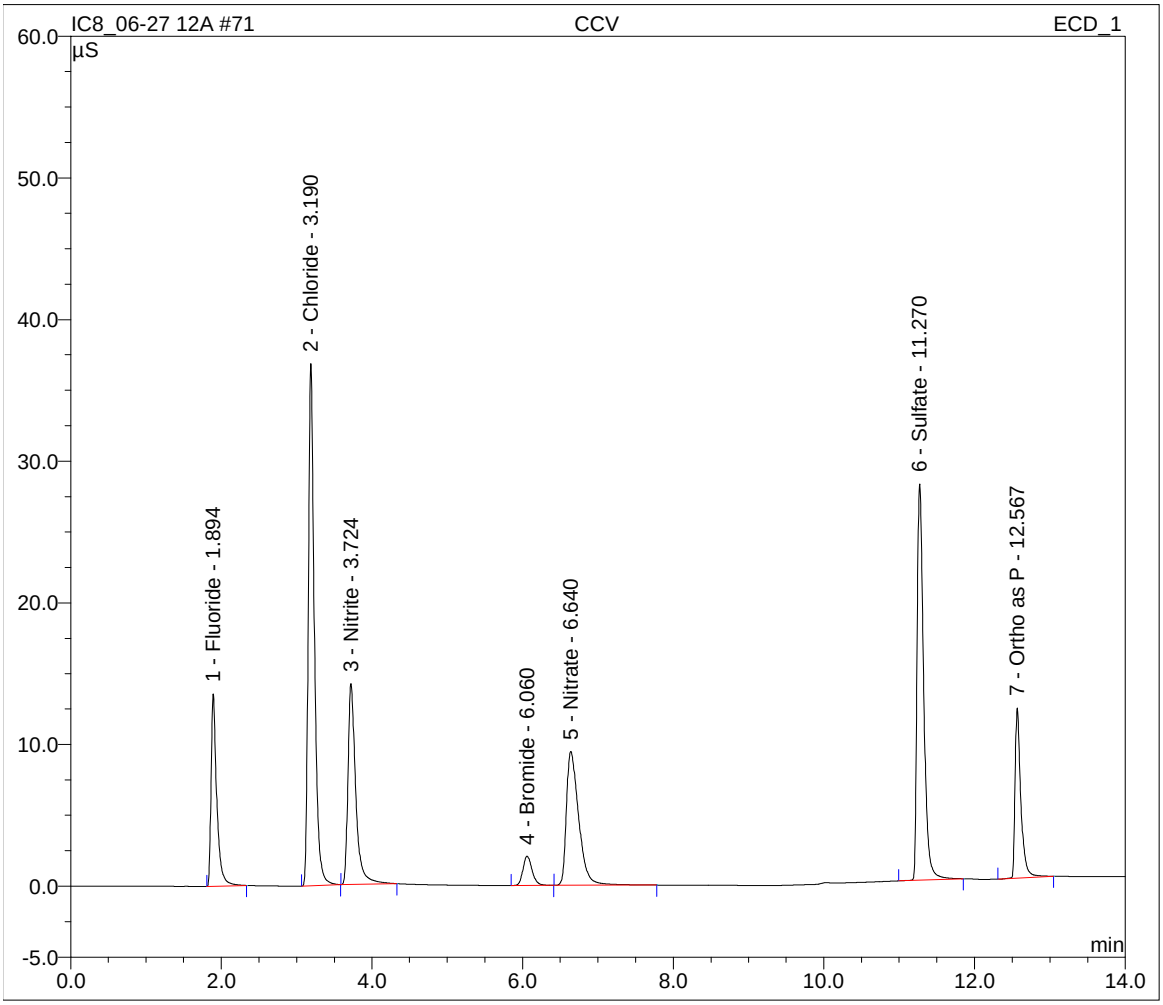
Sample Name:	**280-30459-c-19**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 07:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.241	2.801	0.9821
2	3.18	Chloride	BMB	12.447	131.186	88.2264
3	6.03	Bromide	BMB	0.016	0.120	0.3066
4	6.66	Nitrate	BMB	0.074	0.463	0.2253
5	11.26	Sulfate	BMB	3.246	31.686	28.2567
6	12.60	Ortho as P	BMB	0.159	1.147	0.0870
		TOTAL:		16.18	167.40	118.08



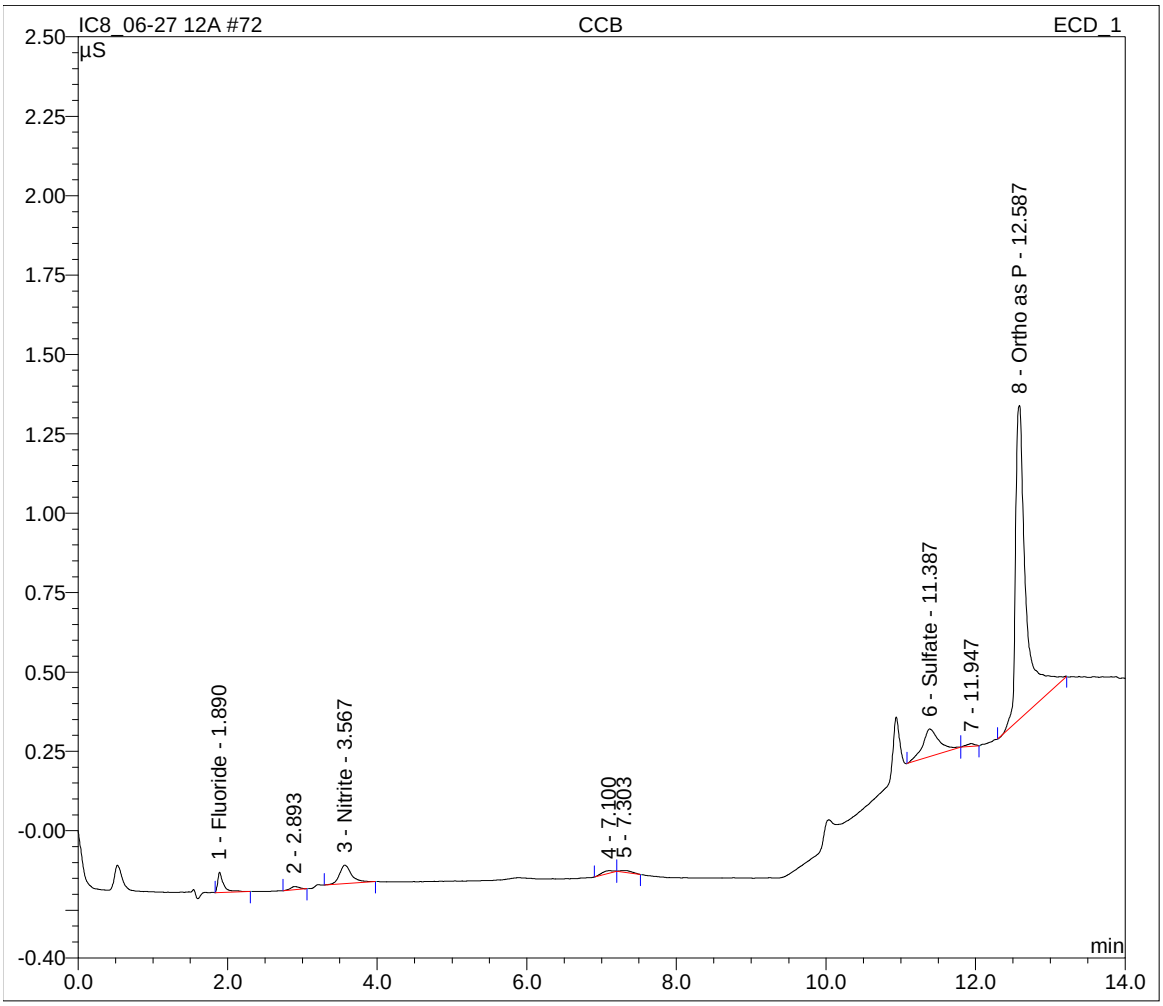
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 08:15**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.189	13.576	4.9607
2	3.19	Chloride	BMB	3.457	36.858	24.5168
3	3.72	Nitrite	BMB	1.708	14.176	4.8016
4	6.06	Bromide	BMB	0.290	2.066	4.8232
5	6.64	Nitrate	BMB	1.789	9.450	4.8916
6	11.27	Sulfate	BMB	2.835	27.973	24.6497
7	12.57	Ortho as P	BMB	1.076	12.010	4.7795
		TOTAL:		12.34	116.11	73.42



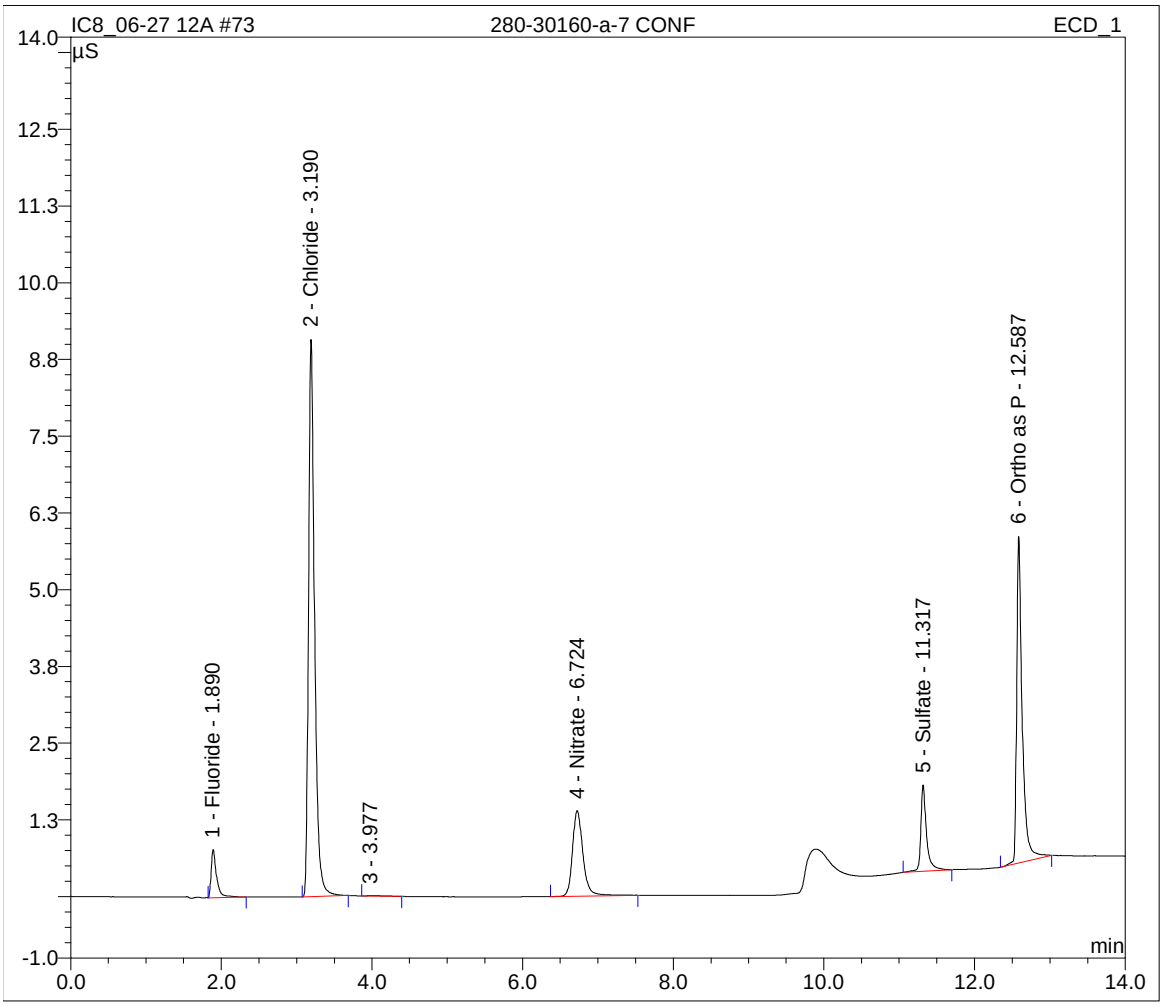
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 08:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.006	0.064	-0.0057
3	3.57	Nitrite	BMB	0.011	0.058	0.0378
6	11.39	Sulfate	BMB	0.022	0.087	-0.0116
8	12.59	Ortho as P	BMB	0.161	0.988	0.0992
		TOTAL:		0.20	1.20	0.12



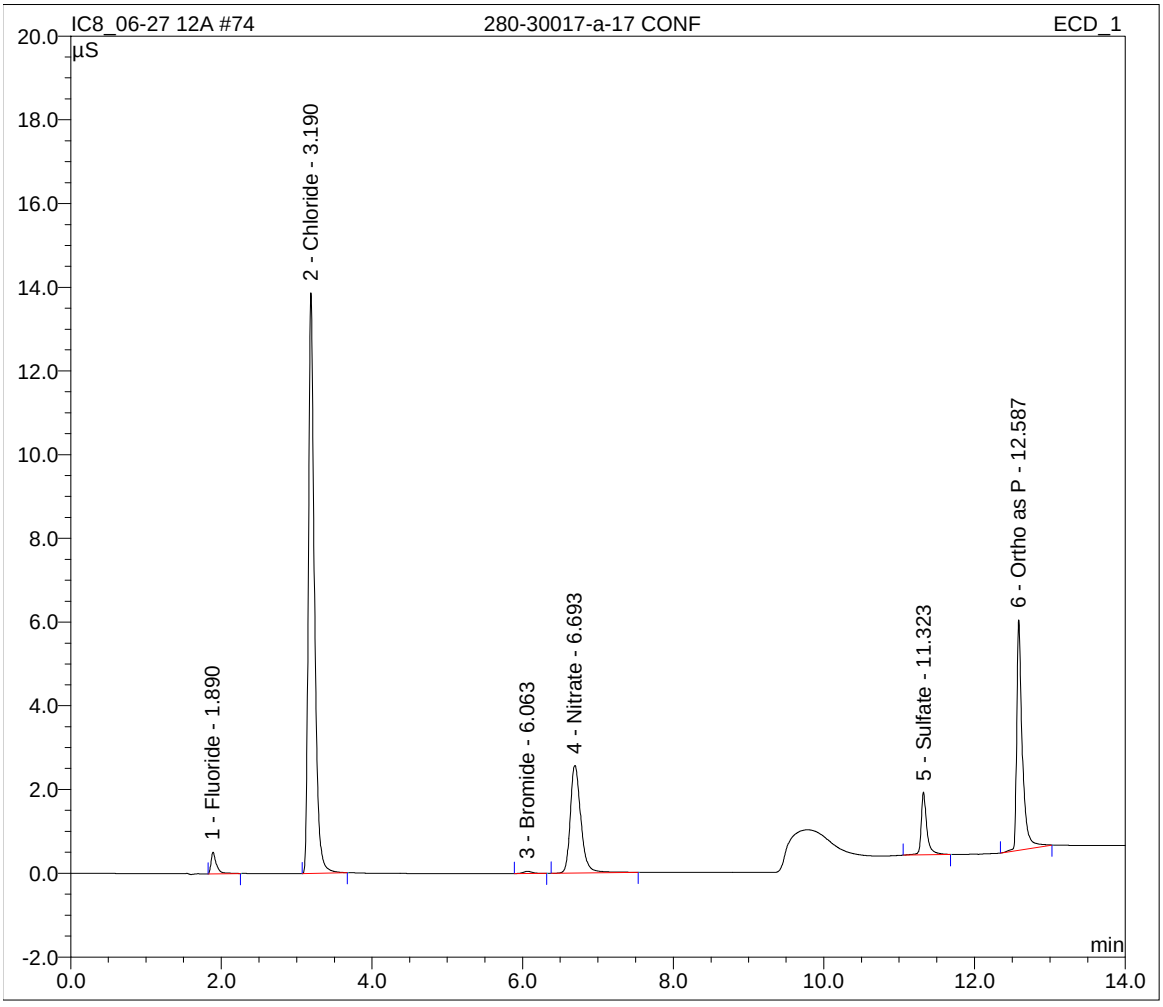
Sample Name:	**280-30160-a-7 CONF**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 08:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.066	0.784	0.2462
2	3.19	Chloride	BMB	0.848	9.079	6.0266
4	6.72	Nitrate	BMB	0.224	1.391	0.6357
5	11.32	Sulfate	BMB	0.125	1.404	0.8959
6	12.59	Ortho as P	BMB	0.459	5.319	1.6221
		TOTAL:		1.72	17.98	9.43



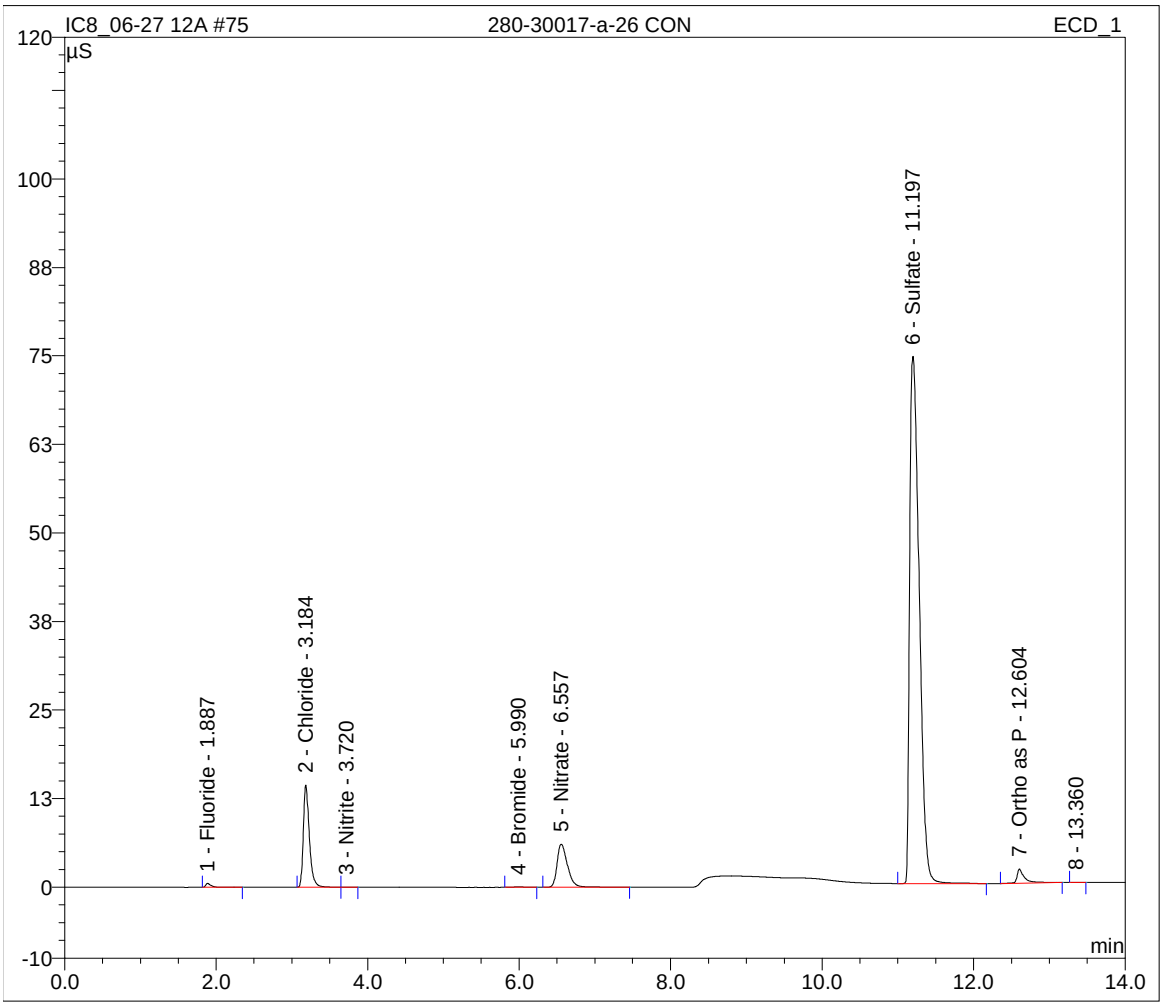
Sample Name:	**280-30017-a-17 CONF**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 09:09**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.043	0.518	0.1511
2	3.19	Chloride	BMB	1.290	13.881	9.1558
3	6.06	Bromide	BMB	0.007	0.050	0.1489
4	6.69	Nitrate	BMB	0.415	2.570	1.1554
5	11.32	Sulfate	BMB	0.130	1.497	0.9350
6	12.59	Ortho as P	BMB	0.478	5.506	1.7189
		TOTAL:		2.36	24.02	13.27



Sample Name:	**280-30017-a-26 CON**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 09:26**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.049	0.555	0.1756
2	3.18	Chloride	BMb	1.333	14.426	9.4632
3	3.72	Nitrite	bMB	0.002	0.018	0.0118
4	5.99	Bromide	BMB	0.011	0.083	0.2129
5	6.56	Nitrate	BMB	0.968	6.061	2.6586
6	11.20	Sulfate	BMB	10.880	74.398	95.1944
7	12.60	Ortho as P	BMB	0.232	1.998	0.4630
		TOTAL:		13.47	97.54	108.18



Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8
#Samples: 75
Created: 6/27/2012 10:20:15 AM by WETCHEMD
Last Update: 6/28/2012 11:56:37 AM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
1	RT CHECK	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 10:46:24 AM
2	cal1	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 11:03:13 AM
3	cal2	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 11:20:01 AM
4	cal3	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 11:36:49 AM
5	cal4	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 12:15:38 PM
6	cal5	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 12:32:26 PM
7	cal6	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 12:49:14 PM
8	BLK	Unknown	6	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 1:06:03 PM
9	ICV STD#00825	Unknown	203	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 1:39:39 PM
10	ICB	Unknown	204	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 1:56:27 PM
11	MRL 0.05	Unknown	203	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 2:13:15 PM
12	MRL 0.02	Unknown	204	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 2:30:03 PM
13	LCS STD#00825	Unknown	194	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 2:46:52 PM
14	LCSD	Unknown	193	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 3:03:40 PM
15	MB	Unknown	175	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 3:20:28 PM
16	280-30461-a-1	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 3:37:16 PM
17	280-30455-b-1	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 3:54:04 PM
18	280-30455-b-2	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 4:10:53 PM
19	280-30455-a-3	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 4:27:41 PM
20	280-30455-b-4	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 4:44:29 PM
21	280-30455-b-5	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 5:01:46 PM
22	280-30455-b-6	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 5:18:34 PM
23	280-30455-b-7	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 5:35:22 PM
24	280-30459-c-1	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 5:52:10 PM
25	DU 280-30459-c-1	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 6:08:59 PM
26	CCV	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 7:33:00 PM
27	CCB	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 7:49:48 PM
28	MS 280-30459-c-1	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 8:06:37 PM
29	MSD 280-30459-c-1	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 8:23:25 PM
30	280-30459-a-2	Unknown	411	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 8:40:13 PM
31	280-30459-a-3	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 8:57:02 PM
32	280-30459-a-4	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 9:13:50 PM
33	280-30459-a-5	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 9:30:38 PM
34	280-30459-a-6	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 9:47:26 PM
35	280-30459-a-18	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 10:04:15 PM
36	280-30459-c-19	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 10:21:03 PM
37	DU 280-30459-c-19	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 10:37:51 PM
38	CCV	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 10:54:39 PM
39	CCB	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 11:11:28 PM
40	MS 280-30459-c-19	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 11:28:16 PM
41	MSD 280-30459-c-19	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/27/2012 11:45:04 PM
42	280-30459-a-20	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 12:01:53 AM
43	280-30461-a-1 5X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 12:18:41 AM
44	280-30459-c-1 5X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 12:35:29 AM

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8
#Samples: 75
Created: 6/27/2012 10:20:15 AM by WETCHEMD
Last Update: 6/28/2012 11:56:37 AM by WETCHEMD

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	RT CHECK	1.0000	1.0000	1.0000	100		EMK
2	cal1	1.0000	1.0000	1.0000	101		EMK
3	cal2	1.0000	1.0000	1.0000	102		EMK
4	cal3	1.0000	1.0000	1.0000	103		EMK
5	cal4	1.0000	1.0000	1.0000	104		EMK
6	cal5	1.0000	1.0000	1.0000	105		EMK
7	cal6	1.0000	1.0000	1.0000	106		EMK
8	BLK	1.0000	1.0000	1.0000	107		EMK
9	ICV STD#00825	1.0000	1.0000	1.0000	108		EMK
10	ICB	1.0000	1.0000	1.0000	109		EMK
11	MRL 0.05	1.0000	1.0000	1.0000	110		EMK
12	MRL 0.02	1.0000	1.0000	1.0000	111		EMK
13	LCS STD#00825	1.0000	1.0000	1.0000	112		EMK
14	LCSD	1.0000	1.0000	1.0000	113		EMK
15	MB	1.0000	1.0000	1.0000	114		EMK
16	280-30461-a-1	1.0000	1.0000	1.0000	115		EMK
17	280-30455-b-1	1.0000	1.0000	1.0000	116		EMK
18	280-30455-b-2	1.0000	1.0000	1.0000	117		EMK
19	280-30455-a-3	1.0000	1.0000	1.0000	118		EMK
20	280-30455-b-4	1.0000	1.0000	1.0000	119		EMK
21	280-30455-b-5	1.0000	1.0000	1.0000	120		EMK
22	280-30455-b-6	1.0000	1.0000	1.0000	121		EMK
23	280-30455-b-7	1.0000	1.0000	1.0000	122		EMK
24	280-30459-c-1	1.0000	1.0000	1.0000	123		EMK
25	DU 280-30459-c-1	1.0000	1.0000	1.0000	124		EMK
26	CCV	1.0000	1.0000	1.0000	125		EMK
27	CCB	1.0000	1.0000	1.0000	126		EMK
28	MS 280-30459-c-1	1.0000	1.0000	1.0000	127		EMK
29	MSD 280-30459-c-1	1.0000	1.0000	1.0000	128		EMK
30	280-30459-a-2	1.0000	1.0000	1.0000	129		EMK
31	280-30459-a-3	1.0000	1.0000	1.0000	130		EMK
32	280-30459-a-4	1.0000	1.0000	1.0000	131		EMK
33	280-30459-a-5	1.0000	1.0000	1.0000	132		EMK
34	280-30459-a-6	1.0000	1.0000	1.0000	133		EMK
35	280-30459-a-18	1.0000	1.0000	1.0000	134		EMK
36	280-30459-c-19	1.0000	1.0000	1.0000	135		EMK
37	DU 280-30459-c-19	1.0000	1.0000	1.0000	136		EMK
38	CCV	1.0000	1.0000	1.0000	137		EMK
39	CCB	1.0000	1.0000	1.0000	138		EMK
40	MS 280-30459-c-19	1.0000	1.0000	1.0000	139		EMK
41	MSD 280-30459-c-19	1.0000	1.0000	1.0000	140		EMK
42	280-30459-a-20	1.0000	1.0000	1.0000	141		EMK
43	280-30461-a-1 5X	1.0000	5.0000	1.0000	142		EMK
44	280-30459-c-1 5X	1.0000	5.0000	1.0000	143		EMK

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8
#Samples: 75
Created: 6/27/2012 10:20:15 AM by WETCHEMD
Last Update: 6/28/2012 11:56:37 AM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
45	DU 280-30459-c-1 5X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 12:52:18 AM
46	MSD 280-30459-c-1 5X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 1:09:06 AM
47	MSD 280-30459-c-1 5X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 1:25:54 AM
48	280-30459-a-2 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 1:42:42 AM
49	280-30459-a-3 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 1:59:31 AM
50	CCV	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 2:16:19 AM
51	CCB	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 2:33:07 AM
52	280-30459-a-4 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 2:49:56 AM
53	280-30459-a-5 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 3:06:44 AM
54	280-30459-a-6 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 3:23:32 AM
55	280-30459-a-18 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 3:40:21 AM
56	280-30459-c-19 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 3:57:09 AM
57	DU 280-30459-c-19 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 4:13:57 AM
58	MS 280-30459-c-19 5X	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 4:30:45 AM
59	MSD 280-30459-c-19 5X	Unknown	416	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 4:47:33 AM
60	280-30459-a-20 5X	Unknown	416	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 5:04:22 AM
61	lcs 280-125785/1-a	Unknown	416	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 5:21:10 AM
62	CCV	Unknown	416	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 5:37:58 AM
63	CCB	Unknown	416	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 5:54:46 AM
64	lcsd 280-125785/2-a	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 6:18:13 AM
65	mb 280-125785/3-a	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 6:35:01 AM
66	280-30252-a-1-e	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 6:51:49 AM
67	280-30252-a-2-c	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 7:08:38 AM
68	MS 280-30459-c-19	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 7:25:26 AM
69	MSD 280-30459-c-19	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 7:42:14 AM
70	280-30459-c-19	Unknown	416	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 7:59:03 AM
71	CCV	Unknown	417	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 8:15:50 AM
72	CCB	Unknown	415	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 8:35:48 AM
73	280-30160-a-7 CONF	Unknown	417	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 8:52:36 AM
74	280-30017-a-17 CONF	Unknown	418	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 9:09:24 AM
75	280-30017-a-26 CON	Unknown	418	10.0	7 Anion	7 ANION AS11	Finished	6/28/2012 9:26:12 AM

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8
#Samples: 75
Created: 6/27/2012 10:20:15 AM by WETCHEMD
Last Update: 6/28/2012 11:56:37 AM by WETCHEMD

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
45	DU 280-30459-c-1 5X	1.0000	5.0000	1.0000	144		EMK
46	MSD 280-30459-c-1 5X	1.0000	5.0000	1.0000	145		EMK
47	MSD 280-30459-c-1 5X	1.0000	5.0000	1.0000	146		EMK
48	280-30459-a-2 5X	1.0000	5.0000	1.0000	147		EMK
49	280-30459-a-3 5X	1.0000	5.0000	1.0000	148		EMK
50	CCV	1.0000	1.0000	1.0000	149		EMK
51	CCB	1.0000	1.0000	1.0000	150		EMK
52	280-30459-a-4 5X	1.0000	5.0000	1.0000	151		EMK
53	280-30459-a-5 5X	1.0000	5.0000	1.0000	152		EMK
54	280-30459-a-6 5X	1.0000	5.0000	1.0000	153		EMK
55	280-30459-a-18 5X	1.0000	5.0000	1.0000	154		EMK
56	280-30459-c-19 5X	1.0000	5.0000	1.0000	155		EMK
57	DU 280-30459-c-19 5X	1.0000	5.0000	1.0000	156		EMK
58	MS 280-30459-c-19 5X	1.0000	5.0000	1.0000	157		EMK
59	MSD 280-30459-c-19 5X	1.0000	5.0000	1.0000	158		EMK
60	280-30459-a-20 5X	1.0000	5.0000	1.0000	159		EMK
61	lcs 280-125785/1-a	1.0000	1.0000	1.0000	160		EMK
62	CCV	1.0000	1.0000	1.0000	161		EMK
63	CCB	1.0000	1.0000	1.0000	162		EMK
64	lcsd 280-125785/2-a	1.0000	1.0000	1.0000	163		EMK
65	mb 280-125785/3-a	1.0000	1.0000	1.0000	164		EMK
66	280-30252-a-1-e	1.0000	1.0000	1.0000	165		EMK
67	280-30252-a-2-c	1.0000	1.0000	1.0000	166		EMK
68	MS 280-30459-c-19	1.0000	1.0000	1.0000	167		EMK
69	MSD 280-30459-c-19	1.0000	1.0000	1.0000	168		EMK
70	280-30459-c-19	1.0000	1.0000	1.0000	169		EMK
71	CCV	1.0000	1.0000	1.0000	170		EMK
72	CCB	1.0000	1.0000	1.0000	171		EMK
73	280-30160-a-7 CONF	1.0000	1.0000	1.0000	172		EMK
74	280-30017-a-17 CONF	1.0000	1.0000	1.0000	173		EMK
75	280-30017-a-26 CON	1.0000	1.0000	1.0000	174		EMK

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

	Pressure.LowerLimit =	200 [psi]
	Pressure.UpperLimit =	3000 [psi]
	%A.Equate =	"DI H2O"
	CR_TC =	On
	Pump_InjectValve.State	LoadPosition
	Data_Collection_Rate =	5.0 [Hz]
	CellTemperature.Nominal =	35.0 [°C]
	ColumnTemperature.Nominal =	30.0 [°C]
	Suppressor_Type =	ASRS_4mm
	; Pump_ECD.Hydroxide =	50.0
	; Pump_ECD.Recommended Current =	124
	; Pump_ECD.Carbonate =	0.0
	; Pump_ECD.Bicarbonate =	0.0
	; Pump_ECD.Tetraborate =	0.0
	; Pump_ECD.Other eluent =	0.0
	Suppressor_Current =	125 [mA]
	Flow =	1.00 [ml/min]
-2.700	Pump_ECD_Relay_1.Open	Duration=0.01
	Concentration =	10.00 [mM]
	Curve =	5
-2.500	Pump_ECD_Relay_1.Closed	Duration=0.01
0.000	Autozero	
	ECD_1.AcqOn	
	Pump_InjectValve.InjectPosition	Duration=720.00
7.500	Concentration =	10.00 [mM]
	Curve =	5
10.500	Concentration =	40.00 [mM]
	Curve =	5
10.600	Concentration =	50.00 [mM]
	Curve =	5
12.500	Concentration =	50.00 [mM]
	Curve =	5
12.600	Concentration =	10.00 [mM]
	Curve =	5
13.000	Concentration =	10.00 [mM]

Chromeleon © Dionex Corporation, Version 6.80 SP3 Build 2345 (128616)

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Curve =                          5

14.000     ECD_1.AcqOff
           End
```

Chromeleon © Dionex Corporation, Version 6.80 SP3 Build 2345 (128616)

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ
Timebase: ICS-8
Created: 3/20/2008 10:44:59 AM by kudlae
Changed: 3/31/2008 10:13:48 AM by kudlae

No.	Channel	Operation	Parameters

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

Blank Run Subtraction: No Blank Run Subtraction

Detection Table:

No.	Ret. Time [min]	Param. Name	Param. Value	Channel
1	0.000	Minimum Area	0.5E-3 "[Signal]*min"	All Channels
2	0.000	Sensitivity	0.8E-3 "[Signal]"	All Channels
3	0.000	Inhibit Integration	On	All Channels
4	0.000	Valley to Valley	On	All Channels
5	0.000	Fronting Sensitivity Factor	5.0	All Channels
6	0.000	Tailing Sensitivity Factor	6.0	All Channels
7	1.500	Void Volume Treatment	On	All Channels
8	1.500	Inhibit Integration	Off	All Channels
9	1.800	Void Volume Treatment	Off	All Channels
10	2.000	Maximum Width	0.75 min	All Channels
11	8.200	Inhibit Integration	On	All Channels
12	11.000	Inhibit Integration	Off	All Channels

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Group	Comment	Amount BLK	Amount cal1
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*		*Autogenerated*	*0.000000*	*0.200000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.000000
3	Chloride	3.200 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
4	Nitrite	3.700 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
5	Bromide	6.100 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
6	Nitrate	6.700 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
7	Sulfate	11.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Amount cal2	Amount cal3	Amount cal4	Amount cal5	Amount cal6
1	*Fluoride*	*1.900 min*	*0.500000*	*1.000000*	*4.000000*	*8.000000*	*10.000000*
2	Acetate	2.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
3	Chloride	3.200 min	2.500000	5.000000	20.000000	40.000000	50.000000
4	Nitrite	3.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
5	Bromide	6.100 min	0.500000	1.000000	4.000000	8.000000	10.000000
6	Nitrate	6.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
7	Sulfate	11.300 min	2.500000	5.000000	20.000000	40.000000	50.000000
8	Ortho as P	12.600 min	0.500000	1.000000	4.000000	8.000000	10.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Left Limit	Right Limit	Group	Resp.Fact.
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*	*0.000*	*0.000*		*1.000000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
3	Chloride	3.200 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
4	Nitrite	3.700 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
5	Bromide	6.100 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
6	Nitrate	6.700 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
7	Sulfate	11.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Comment
1	*Fluoride*	*1.900 min*	*Autogenerated*
2	Acetate	2.700 min	Autogenerated
3	Chloride	3.200 min	Autogenerated
4	Nitrite	3.700 min	Autogenerated
5	Bromide	6.100 min	Autogenerated
6	Nitrate	6.700 min	Autogenerated
7	Sulfate	11.300 min	Autogenerated
8	Ortho as P	12.600 min	Autogenerated

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Smp.No.	Pos.	Inj. Vol.	Weight	ISTD Amount	Dil. Factor	Inj. Date/Time	Sample Comment
1	☒	cal1	2	151	10.0	1.0000	1.0000	1.0000	6/27/2012 11:0	EMK
2	☒	cal2	3	151	10.0	1.0000	1.0000	1.0000	6/27/2012 11:2	EMK
3	☒	cal3	4	151	10.0	1.0000	1.0000	1.0000	6/27/2012 11:3	EMK
4	☒	cal4	5	151	10.0	1.0000	1.0000	1.0000	6/27/2012 12:1	EMK
5	☒	cal5	6	151	10.0	1.0000	1.0000	1.0000	6/27/2012 12:3	EMK
6	☒	cal6	7	151	10.0	1.0000	1.0000	1.0000	6/27/2012 12:4	EMK

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Calib.	Comment
1	☒	cal1	Ok	
2	☒	cal2	Ok	
3	☒	cal3	Ok	
4	☒	cal4	Ok	
5	☒	cal5	Ok	
6	☒	cal6	Ok	

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

System Suitability Test:

No.	Name	Sample Condition	Test Condition	Aggregate	Operator	Value	Channel	Peak	N.A.
1									

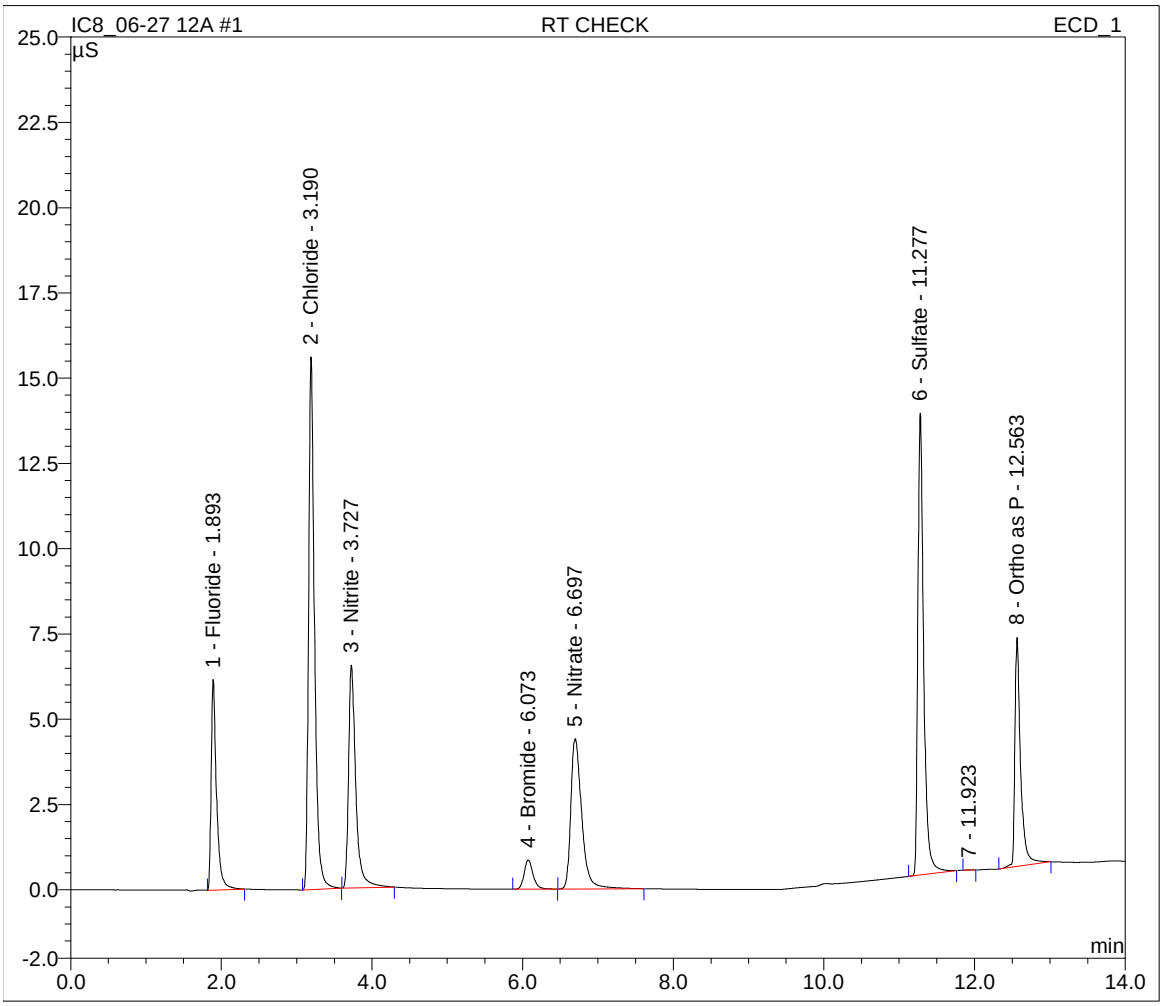
Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-27 12A.SEQ Last Update: 6/27/2012 1:00:11 PM by WETCHEMD

System Suitability Test:

No.	Name	Fail-Action	Result	SST Message	Rounding
1					

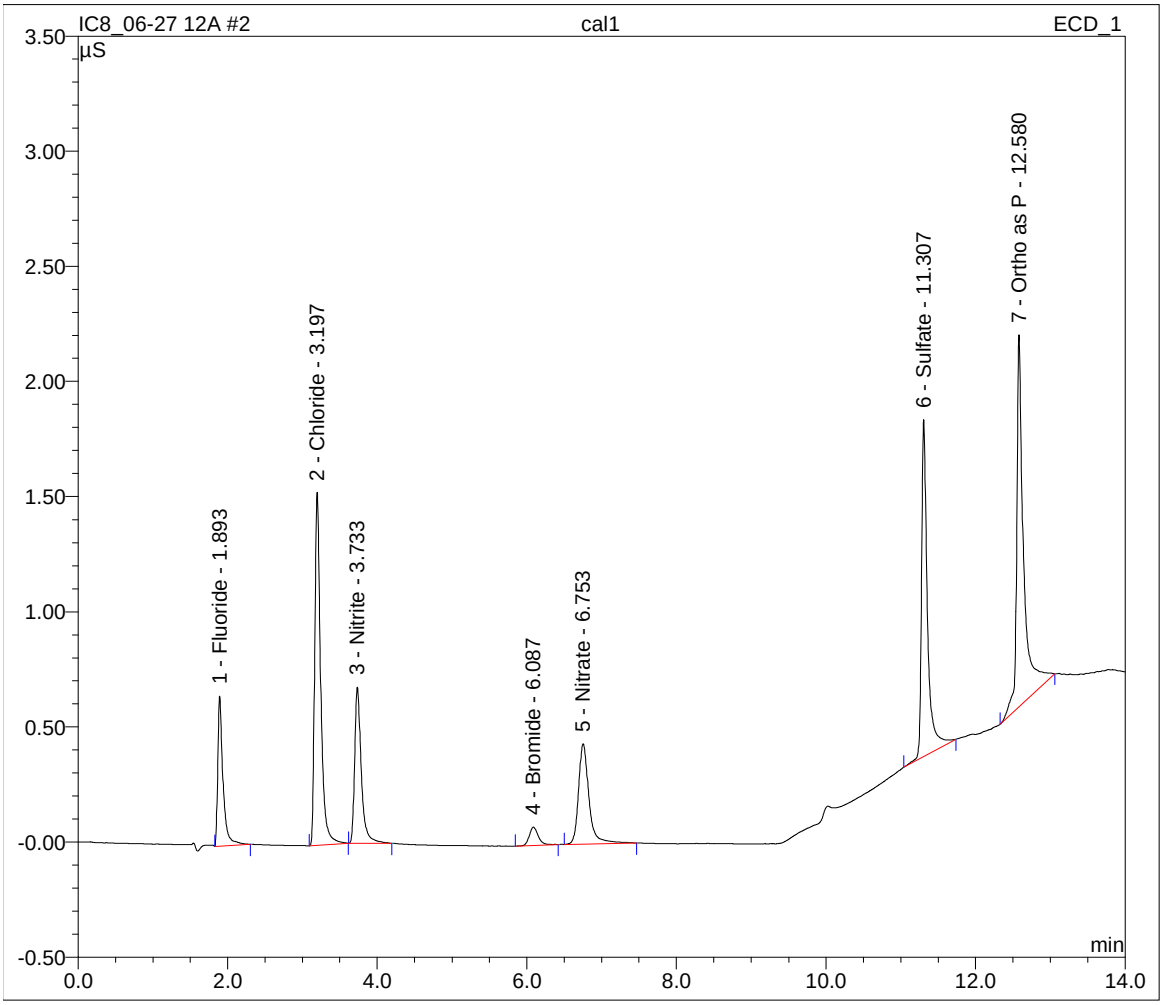
Sample Name:	**RT CHECK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 10:46**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.511	6.180	2.1154
2	3.19	Chloride	BMB	1.429	15.609	10.1409
3	3.73	Nitrite	BMB	0.730	6.536	2.0562
4	6.07	Bromide	BMB	0.117	0.853	1.9653
5	6.70	Nitrate	BMB	0.738	4.402	2.0328
6	11.28	Sulfate	BMB	1.213	13.538	10.4285
8	12.56	Ortho as P	BMB	0.592	6.719	2.3018
		TOTAL:		5.33	53.84	31.04



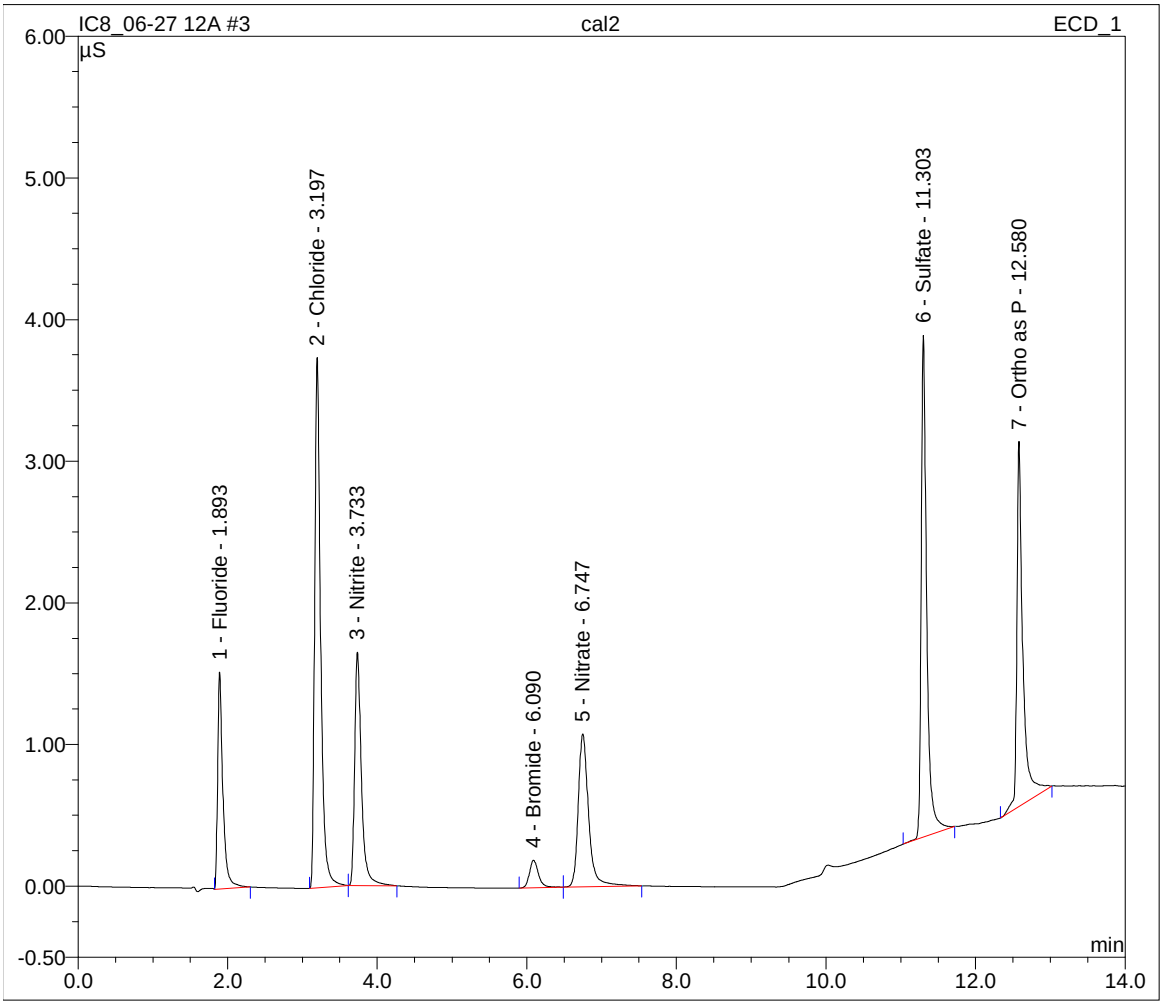
Sample Name:	**cal1**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 11:03**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.053	0.651	0.1929
2	3.20	Chloride	BMB	0.142	1.533	1.0209
3	3.73	Nitrite	BMB	0.070	0.678	0.2025
4	6.09	Bromide	BMB	0.011	0.080	0.2182
5	6.75	Nitrate	BMB	0.071	0.436	0.2176
6	11.31	Sulfate	BMB	0.134	1.464	0.9746
7	12.58	Ortho as P	BMB	0.175	1.617	0.1681
		TOTAL:		0.66	6.46	2.99



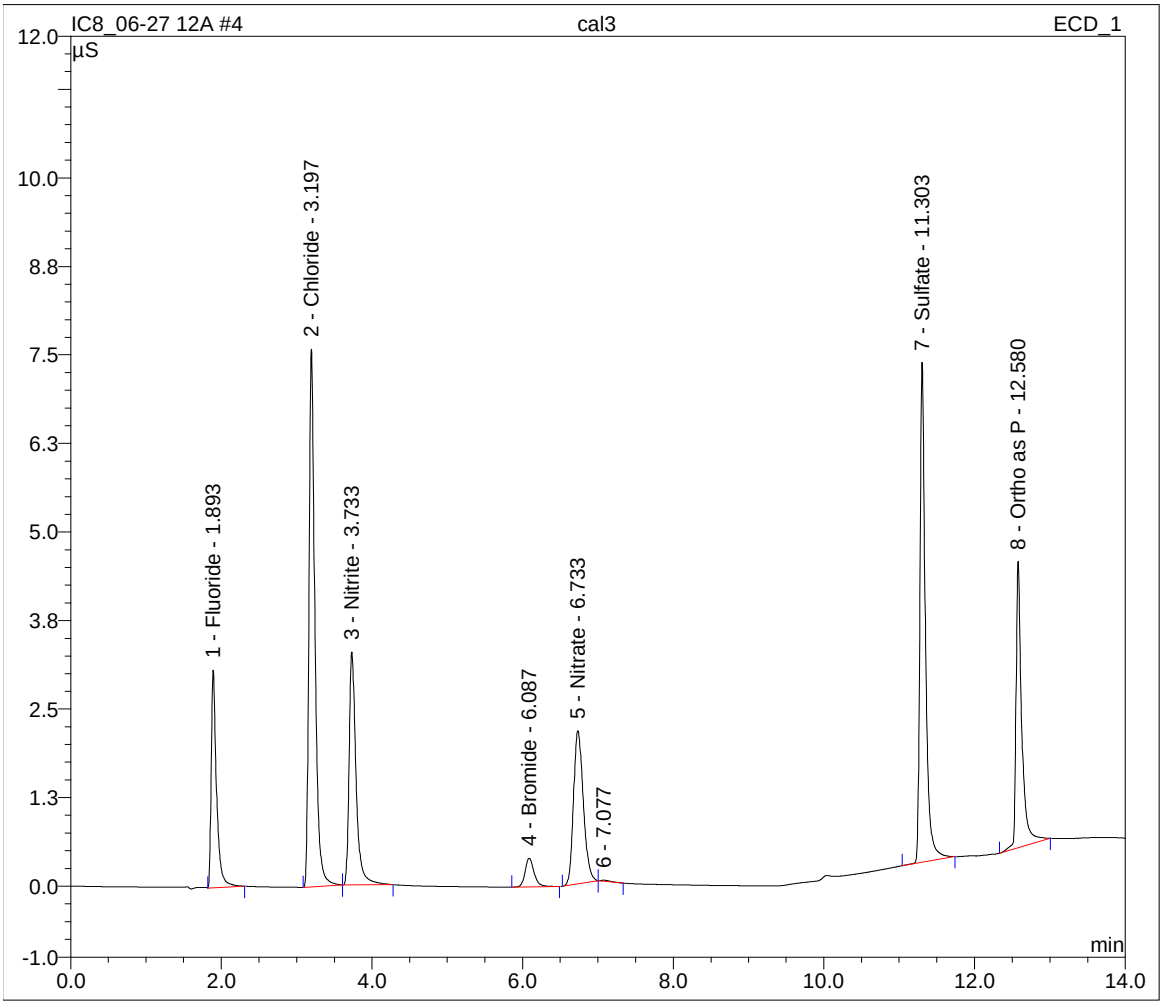
Sample Name:	**cal2**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 11:20**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.125	1.531	0.4953
2	3.20	Chloride	BMB	0.346	3.743	2.4656
3	3.73	Nitrite	bMB	0.172	1.648	0.4906
4	6.09	Bromide	BMB	0.027	0.195	0.4841
5	6.75	Nitrate	bMB	0.173	1.079	0.4959
6	11.30	Sulfate	BMB	0.306	3.543	2.4770
7	12.58	Ortho as P	BMB	0.242	2.578	0.5111
		TOTAL:		1.39	14.32	7.42



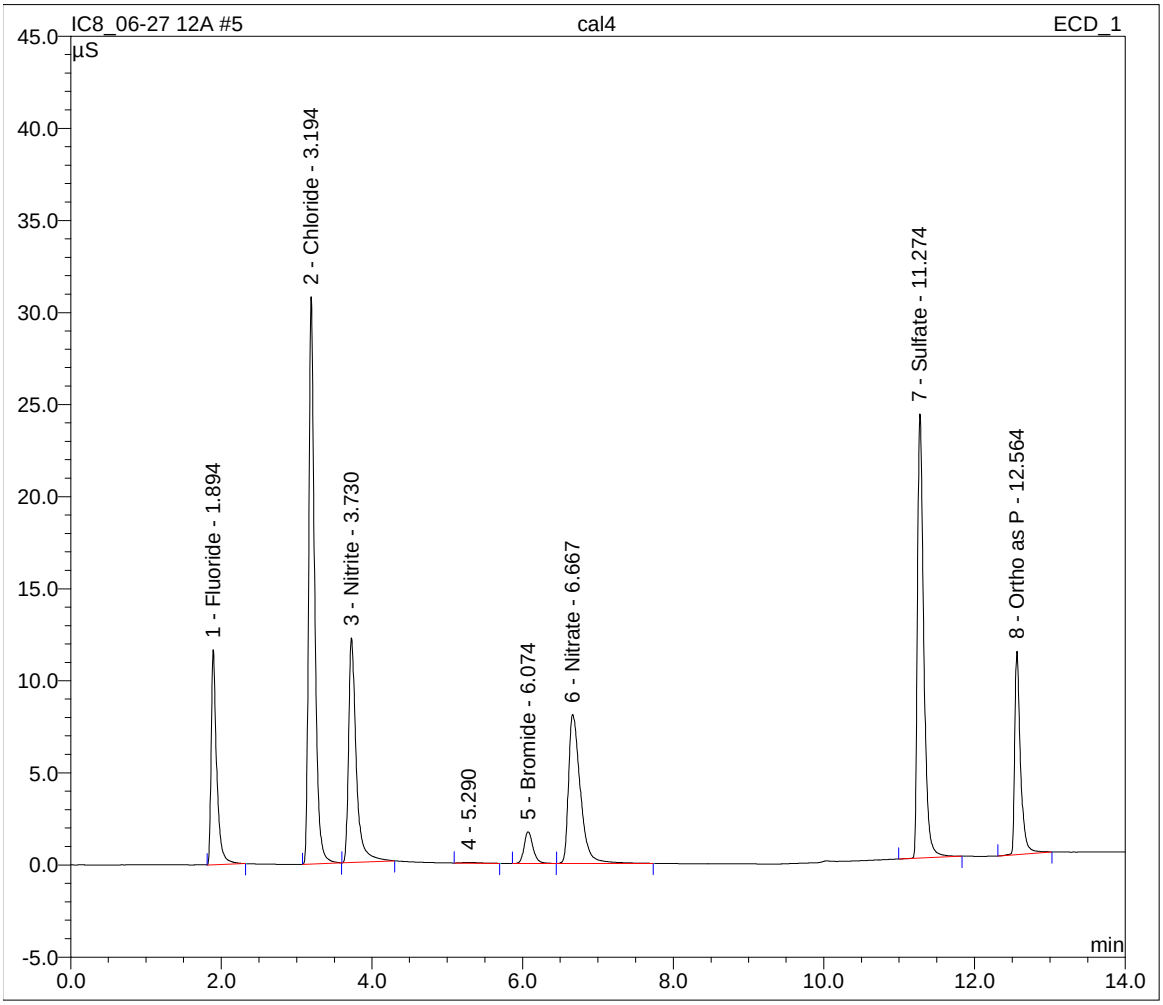
Sample Name:	**cal3**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 11:36**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.252	3.073	1.0266
2	3.20	Chloride	BMB	0.698	7.590	4.9651
3	3.73	Nitrite	BMB	0.352	3.289	0.9957
4	6.09	Bromide	BMB	0.055	0.402	0.9505
5	6.73	Nitrate	BMb	0.326	2.162	0.9121
7	11.30	Sulfate	BMB	0.608	7.055	5.1242
8	12.58	Ortho as P	BMB	0.359	4.043	1.1078
		TOTAL:		2.65	27.61	15.08



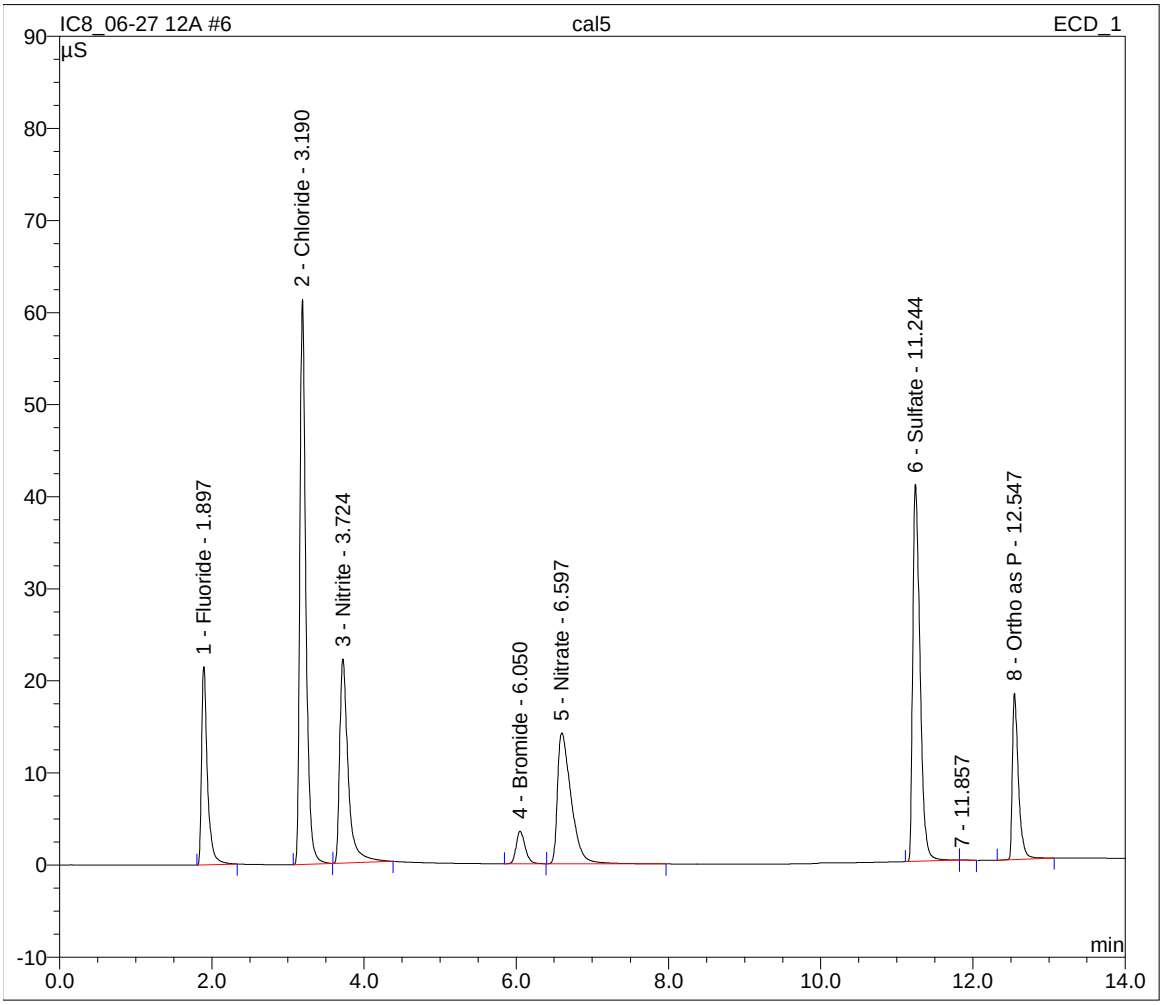
Sample Name:	**cal4**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 12:15**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.992	11.687	4.1333
2	3.19	Chloride	BMB	2.814	30.815	19.9594
3	3.73	Nitrite	BMB	1.443	12.198	4.0584
5	6.07	Bromide	BMB	0.234	1.720	3.8960
6	6.67	Nitrate	BMB	1.461	8.088	3.9999
7	11.27	Sulfate	BMB	2.351	24.114	20.4077
8	12.56	Ortho as P	BMB	0.977	11.044	4.2717
		TOTAL:		10.27	99.66	60.73



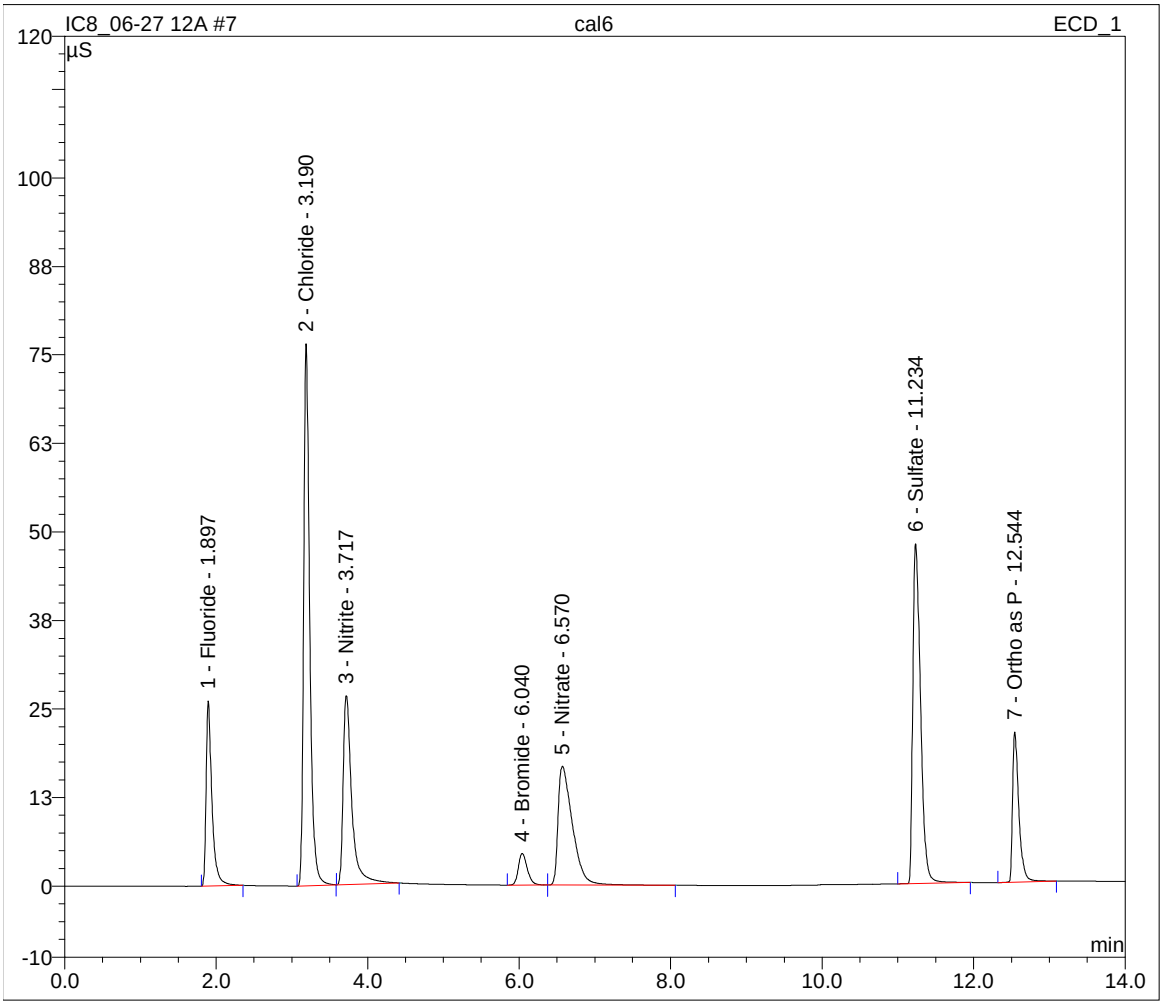
Sample Name:	**cal5**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 12:32**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	1.912	21.558	7.9960
2	3.19	Chloride	BMB	5.645	61.408	40.0214
3	3.72	Nitrite	BMB	2.857	22.176	8.0299
4	6.05	Bromide	BMB	0.485	3.547	8.0439
5	6.60	Nitrate	BMB	2.943	14.189	8.0328
6	11.24	Sulfate	BMb	4.563	40.946	39.8085
8	12.55	Ortho as P	BMB	1.685	18.056	7.8956
		TOTAL:		20.09	181.88	119.83



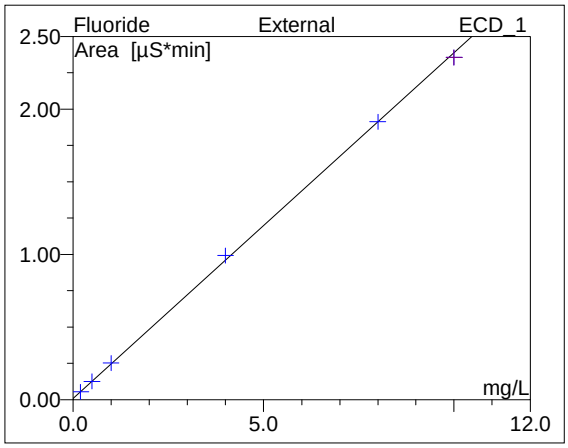
Sample Name:	**cal6**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 12:49**	*Run Time:*	**14.00**

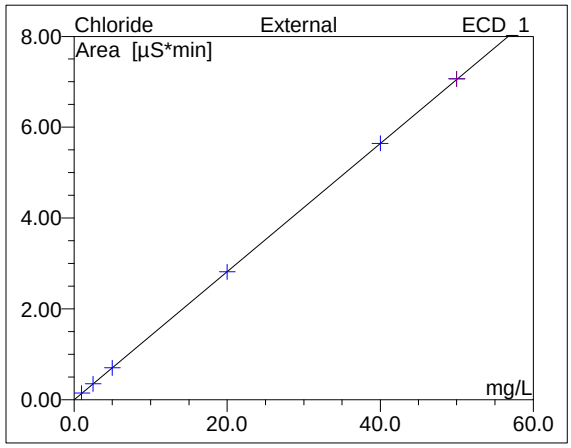
No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	2.355	26.115	9.8559
2	3.19	Chloride	BMB	7.063	76.532	50.0676
3	3.72	Nitrite	BMB	3.532	26.644	9.9230
4	6.04	Bromide	BMB	0.610	4.443	10.1073
5	6.57	Nitrate	BMB	3.682	16.762	10.0417
6	11.23	Sulfate	BMB	5.692	47.967	49.7079
7	12.54	Ortho as P	BMB	2.047	21.191	9.7457
		TOTAL:		24.98	219.65	149.45

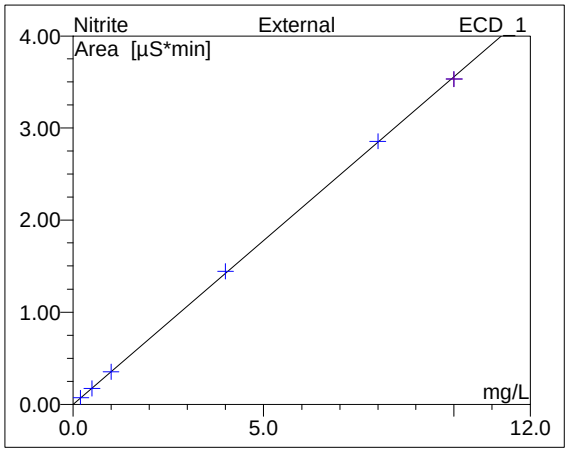


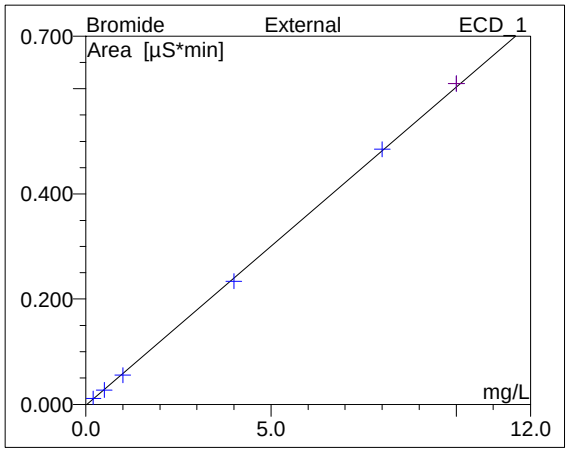
Calibration Batch Report

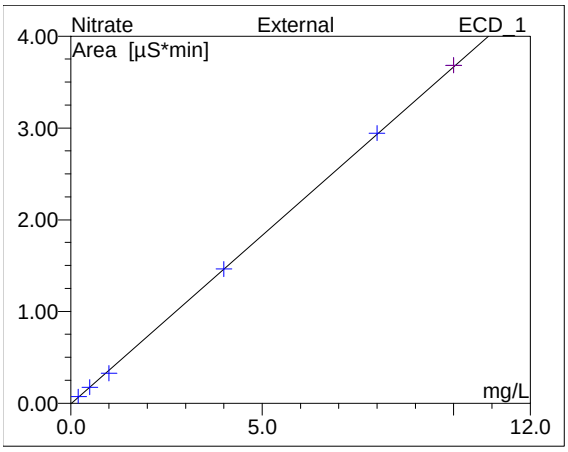
Sequence:	**IC8_06-27 12A**	Inj. Vol.:	**10.0**
Program:	**7 Anion**	Operator:	**DENPC241**
Inj. Date/Time:	**06/27/12 12:49**	Run Time:	**14.00**

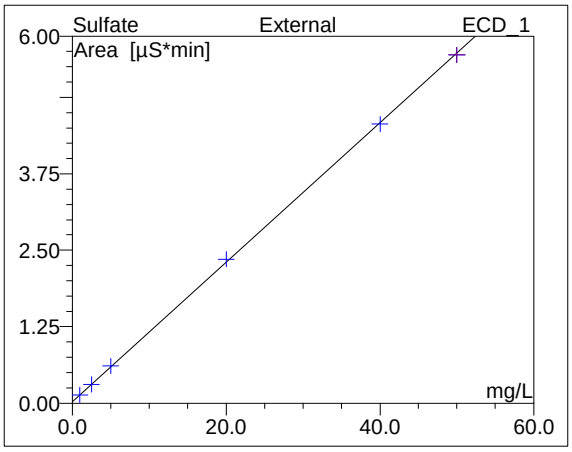




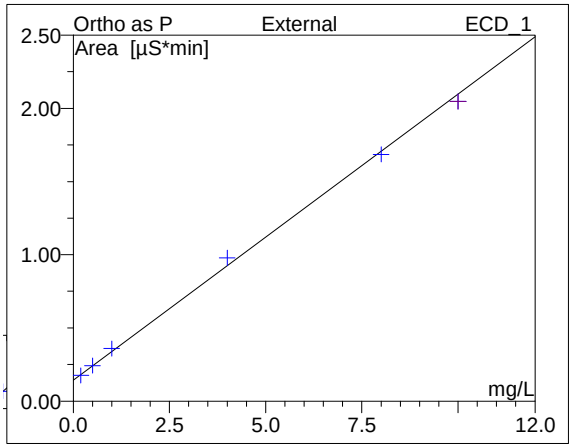








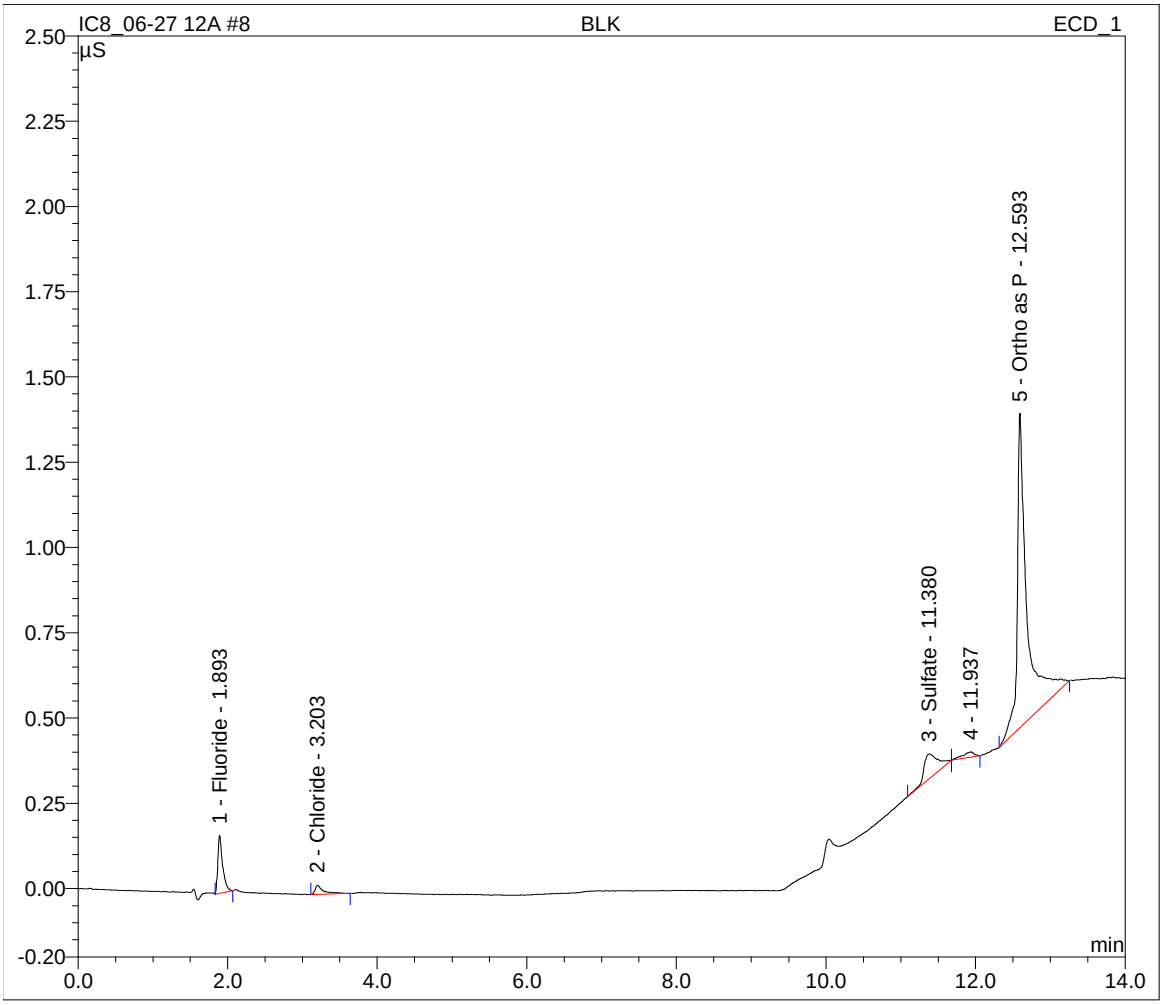
Program:	**7 Anion**	*Operator:*	**n.a.**
Ini. Date/Time:	**06/27/12 12:49**	*Run Time:*	**14.00**



No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
1	1.90	Fluoride	XLOff	6	0.007	0.238	0.000	99.981
2	3.19	Chloride	XLOff	6	-0.002	0.141	0.000	99.999
3	3.72	Nitrite	XLOff	6	-0.003	0.356	0.000	99.995
4	6.04	Bromide	XLOff	6	-0.002	0.061	0.000	99.978
5	6.57	Nitrate	XLOff	6	-0.009	0.368	0.000	99.975
6	11.23	Sulfate	XLOff	6	0.023	0.114	0.000	99.992
7	12.54	Ortho as P	XLOff	6	0.142	0.195	0.000	99.889
AVERAGE:					0.0223	0.2104	0.0000	99.9728

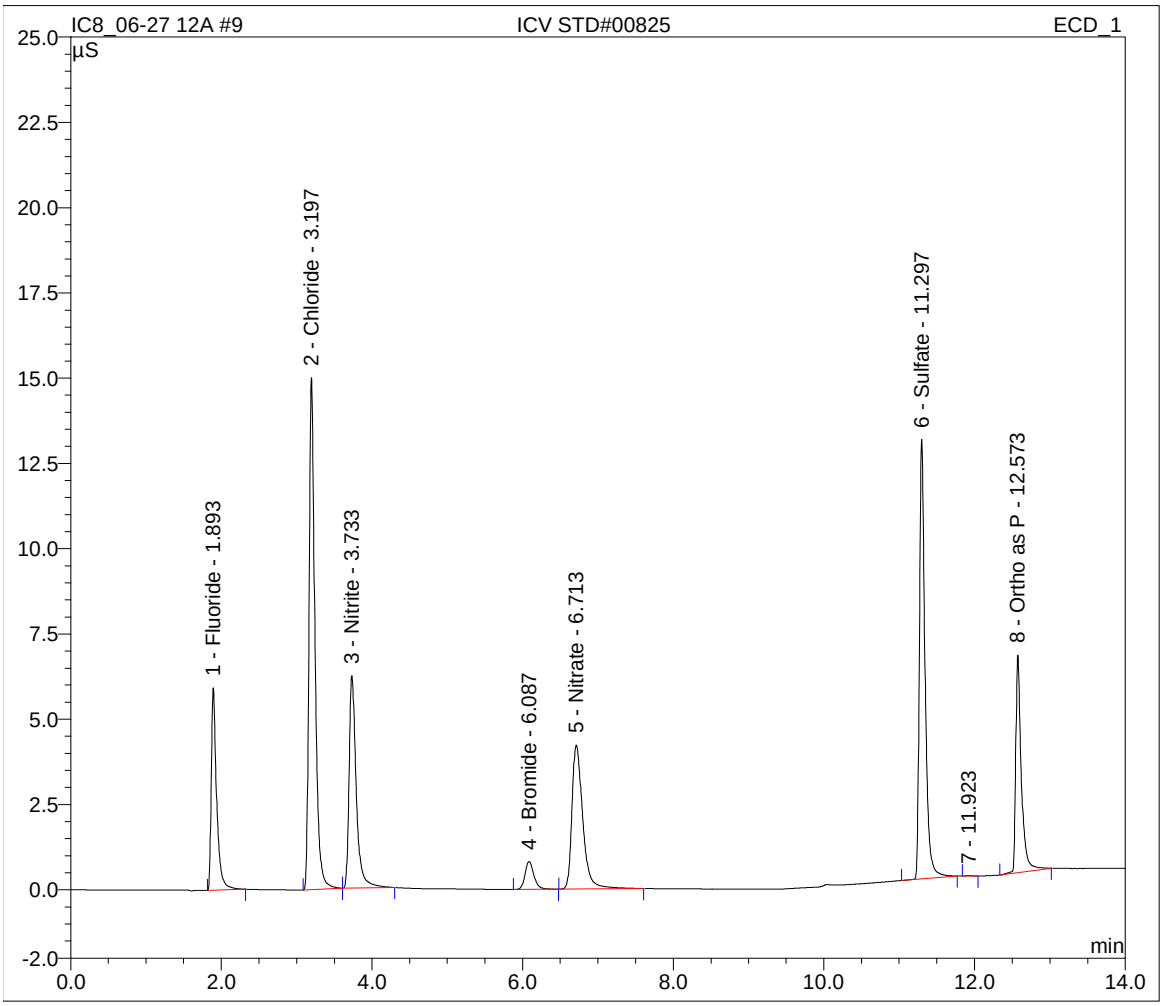
Sample Name:	**BLK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 13:06**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.013	0.170	0.0236
2	3.20	Chloride	BMB	0.004	0.026	0.0415
3	11.38	Sulfate	BMB	0.015	0.072	-0.0729
5	12.59	Ortho as P	BMB	0.141	0.922	-0.0066
TOTAL:				0.17	1.19	-0.01



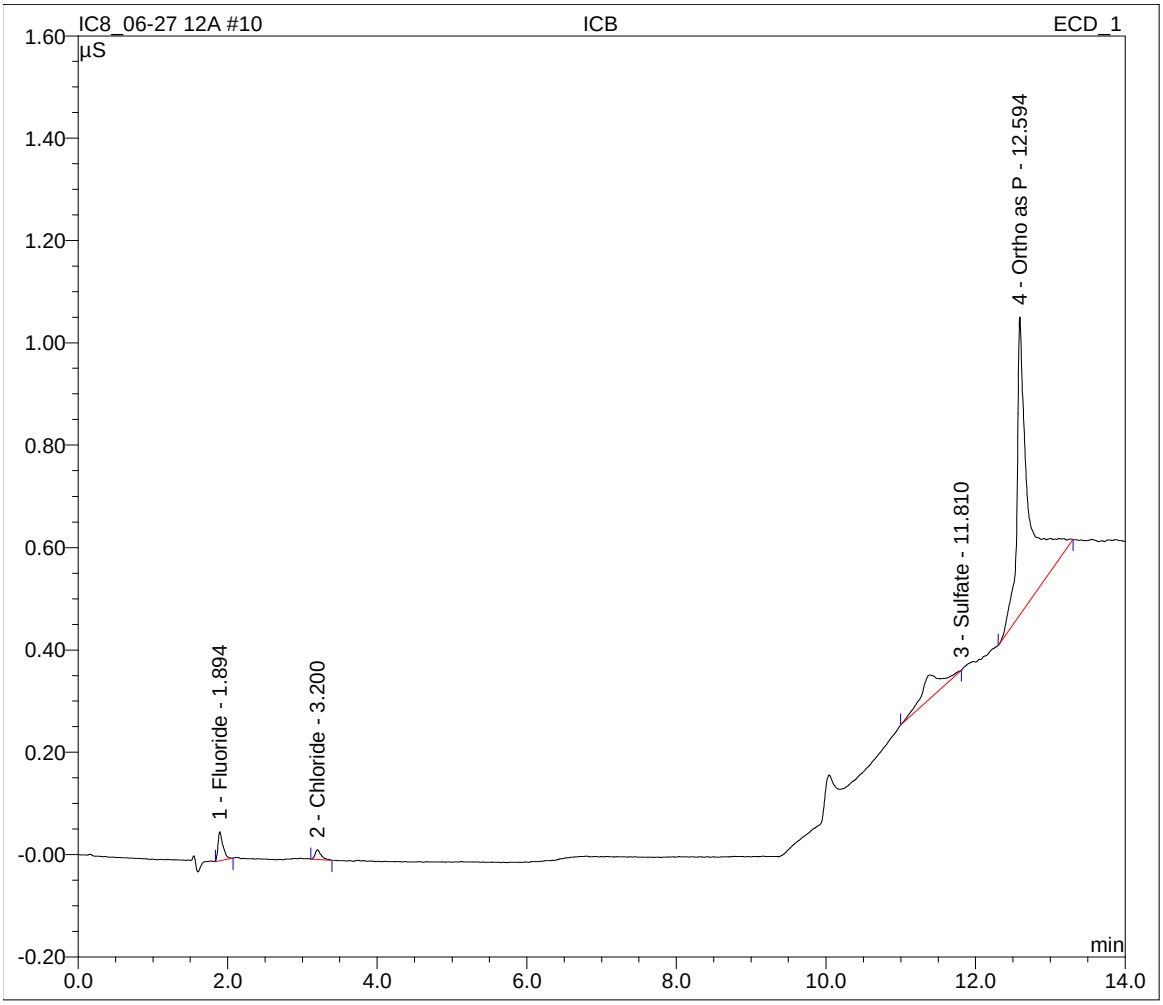
Sample Name:	**ICV STD#00825**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 13:39**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.492	5.929	2.0362
2	3.20	Chloride	BMB	1.374	15.003	9.7525
3	3.73	Nitrite	BMB	0.687	6.230	1.9372
4	6.09	Bromide	BMB	0.111	0.812	1.8616
5	6.71	Nitrate	BMB	0.702	4.218	1.9339
6	11.30	Sulfate	BMB	1.132	12.882	9.7210
8	12.57	Ortho as P	BMB	0.551	6.382	2.0952
TOTAL:				5.05	51.46	29.34



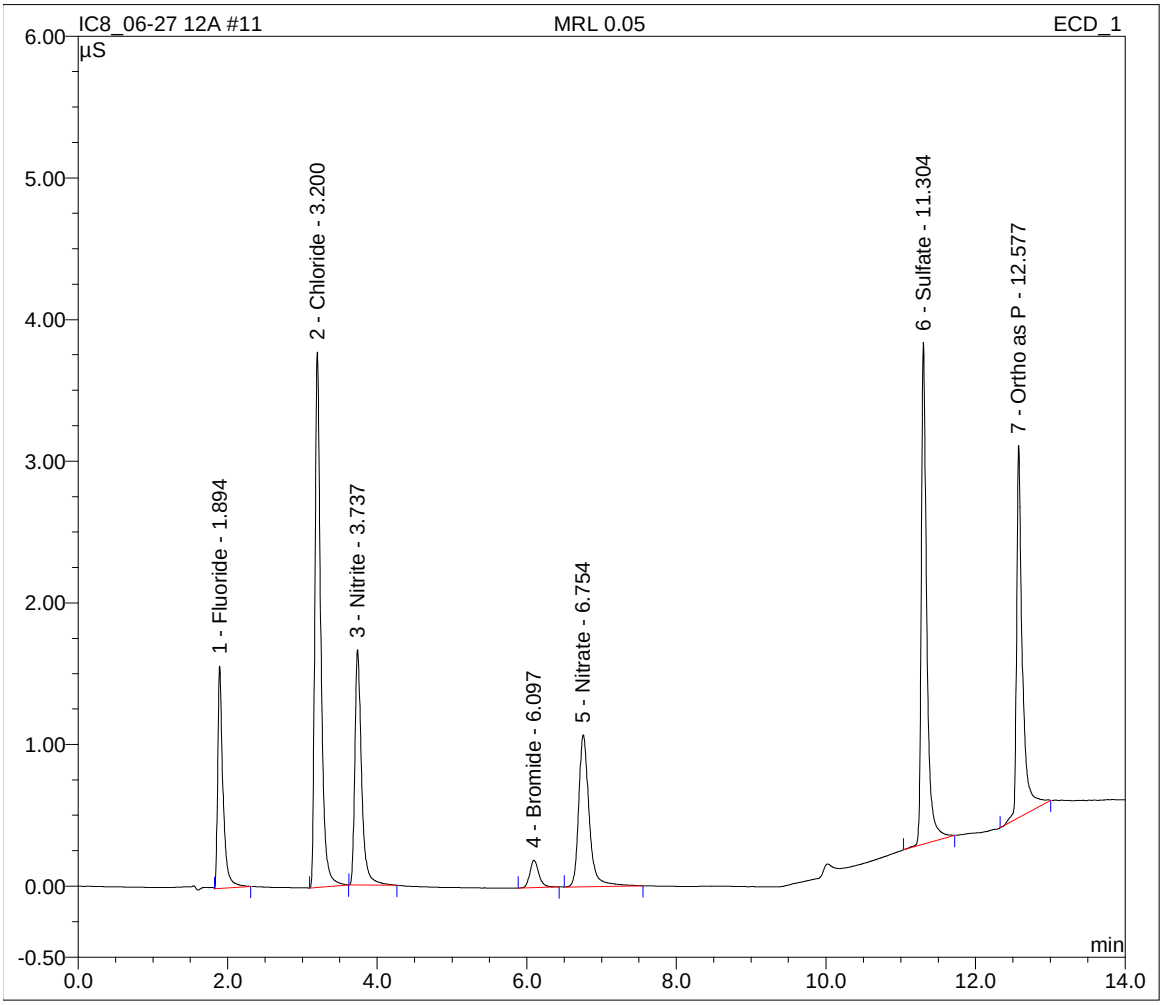
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 13:56**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.004	0.057	-0.0117
2	3.20	Chloride	BMB	0.002	0.019	0.0291
3	11.81	Sulfate	BMB	0.013	0.000	-0.0867
4	12.59	Ortho as P	BMB	0.109	0.582	-0.1705
TOTAL:				0.13	0.66	-0.24



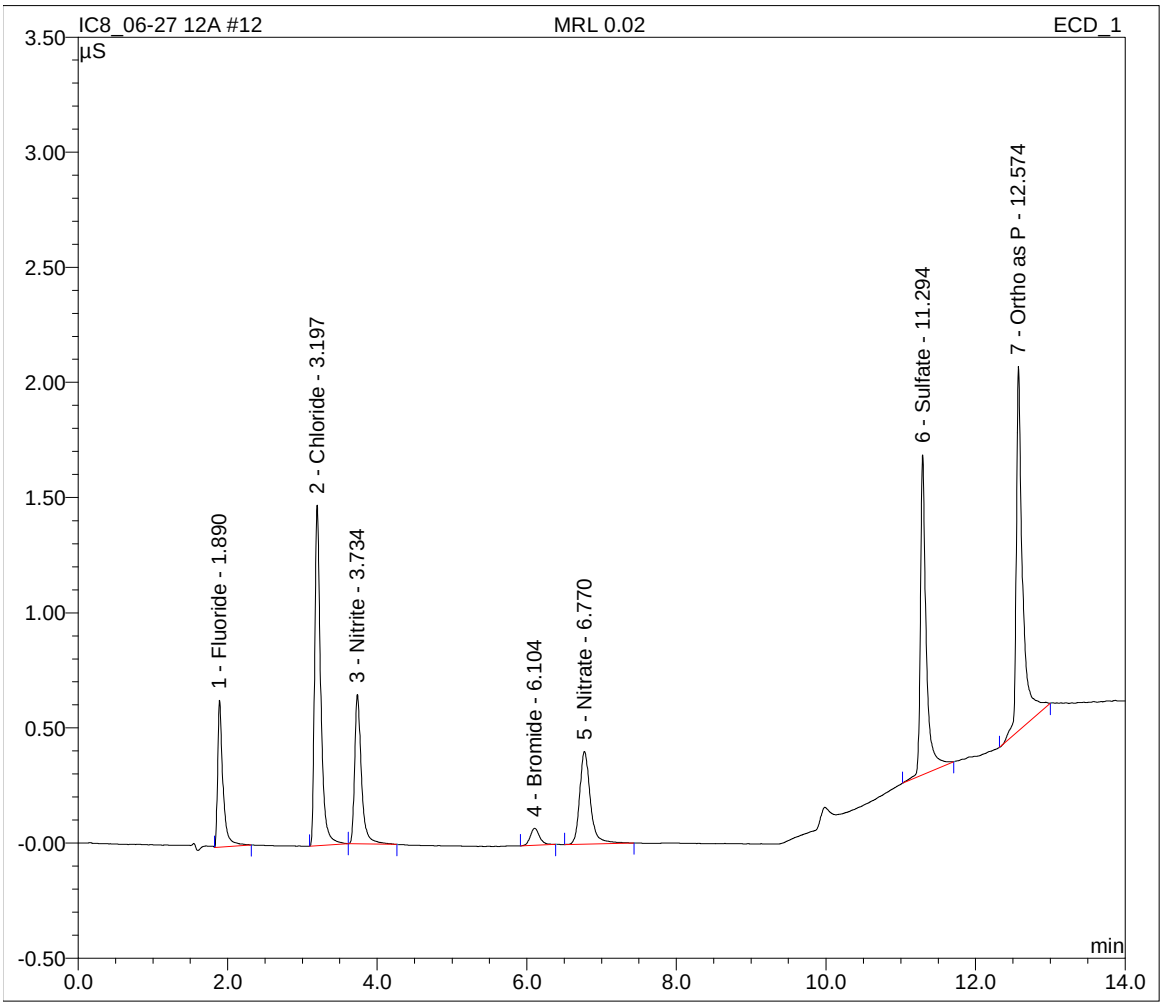
Sample Name:	**MRL 0.05**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 14:13**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.128	1.571	0.5080
2	3.20	Chloride	BMB	0.349	3.778	2.4903
3	3.74	Nitrite	BMB	0.173	1.662	0.4925
4	6.10	Bromide	BMB	0.027	0.193	0.4795
5	6.75	Nitrate	BMB	0.174	1.072	0.4981
6	11.30	Sulfate	BMB	0.303	3.542	2.4499
7	12.58	Ortho as P	BMB	0.238	2.628	0.4919
		TOTAL:		1.39	14.45	7.41



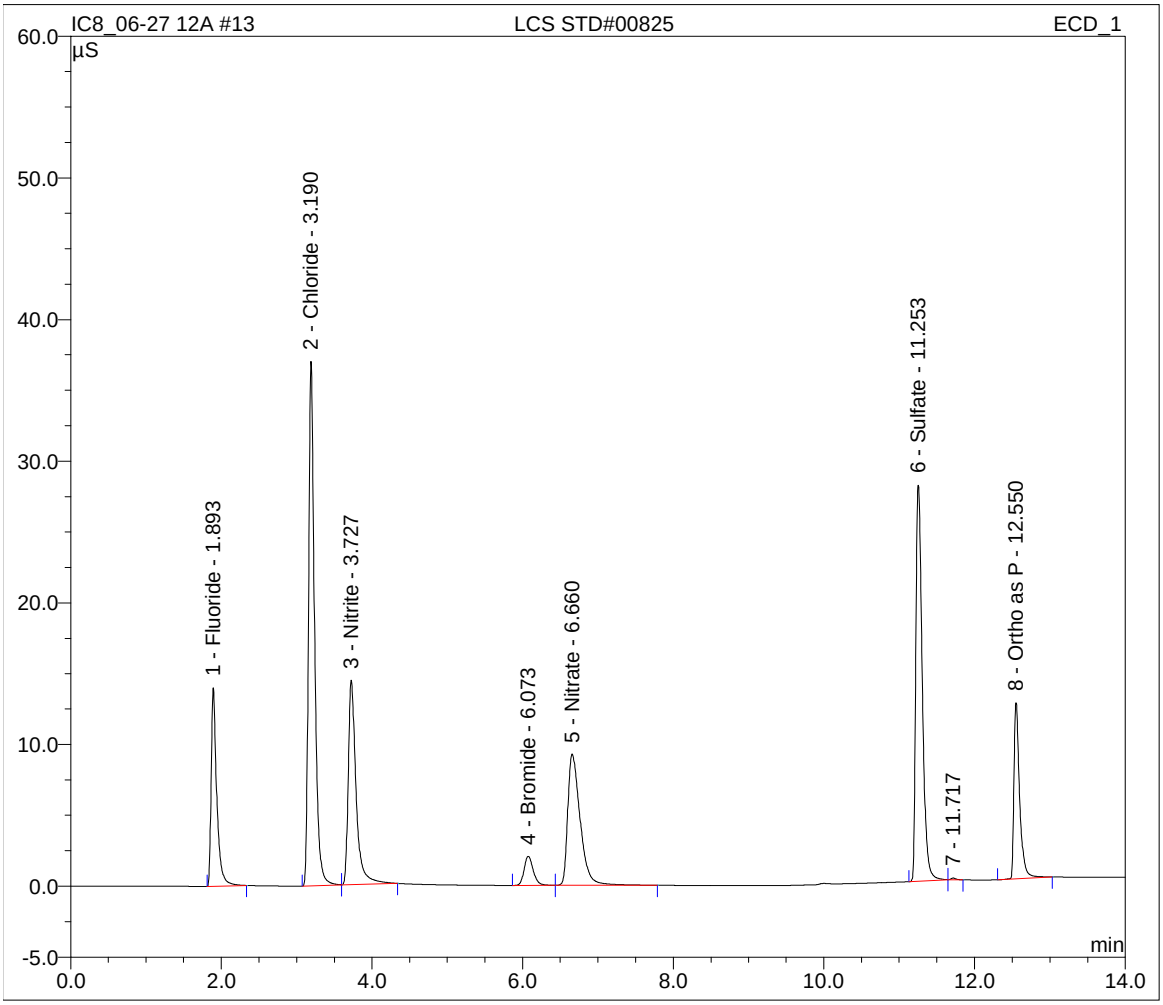
Sample Name:	**MRL 0.02**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 14:30**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.052	0.636	0.1894
2	3.20	Chloride	BMb	0.138	1.479	0.9964
3	3.73	Nitrite	bMB	0.068	0.648	0.1972
4	6.10	Bromide	BMB	0.011	0.074	0.2101
5	6.77	Nitrate	BMB	0.067	0.402	0.2064
6	11.29	Sulfate	BMB	0.126	1.390	0.8963
7	12.57	Ortho as P	BMB	0.156	1.583	0.0739
		TOTAL:		0.62	6.21	2.77



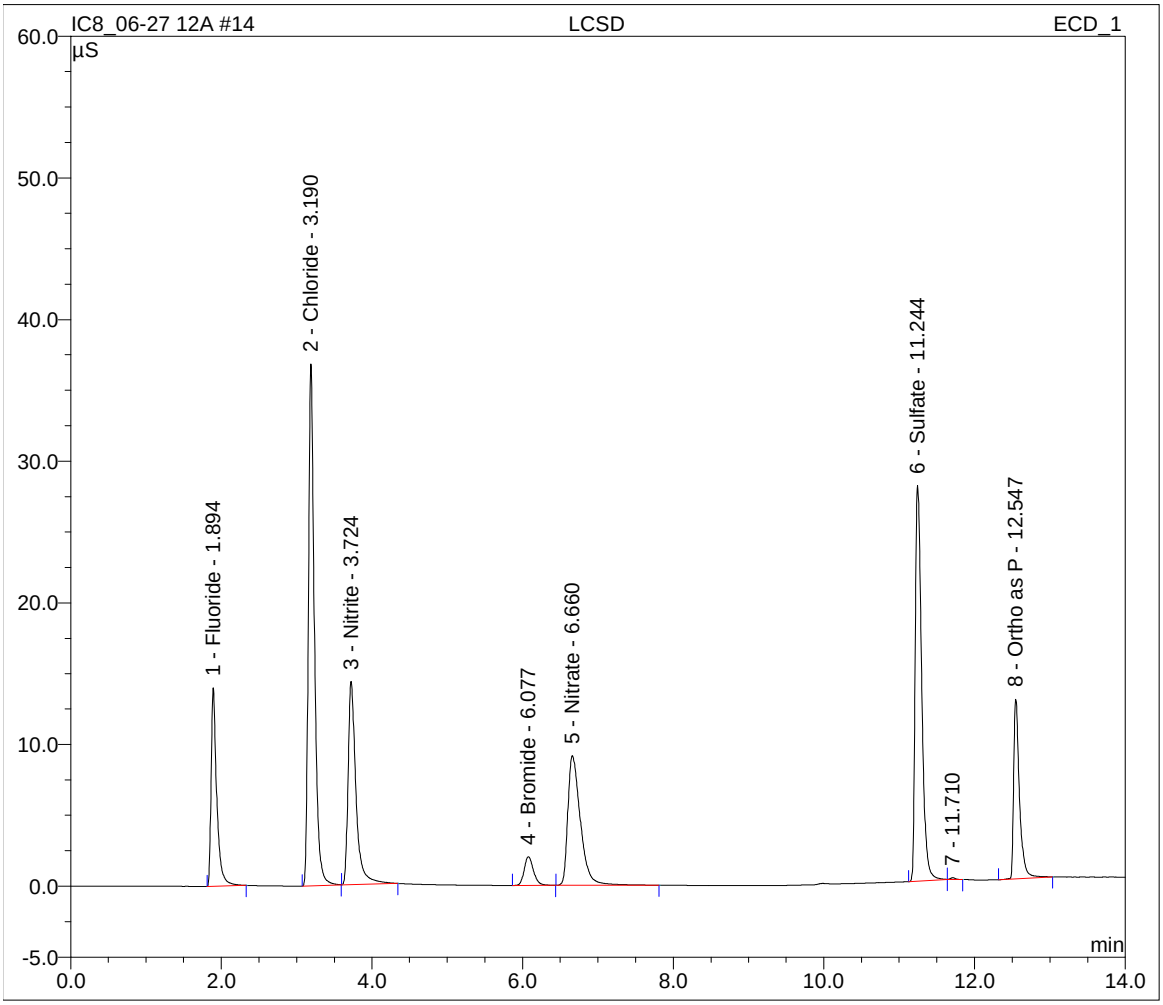
Sample Name:	**LCS STD#00825**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 14:46**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.207	14.000	5.0377
2	3.19	Chloride	BMB	3.435	37.022	24.3627
3	3.73	Nitrite	BMB	1.742	14.410	4.8991
4	6.07	Bromide	BMb	0.288	2.047	4.7926
5	6.66	Nitrate	bMB	1.759	9.255	4.8100
6	11.25	Sulfate	BMb	2.769	27.951	24.0796
8	12.55	Ortho as P	BMB	1.091	12.413	4.8564
		TOTAL:		12.29	117.10	72.84



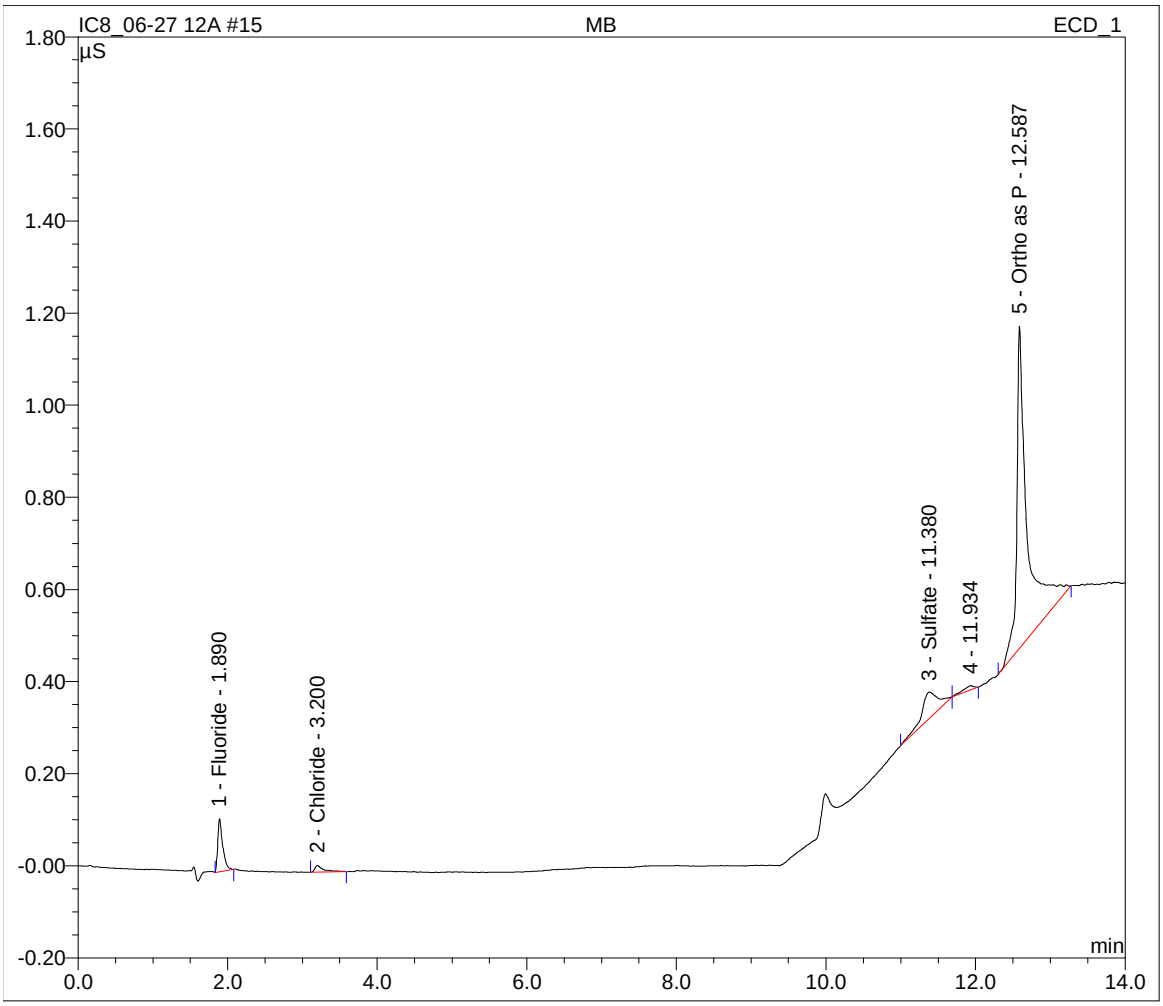
Sample Name:	**LCSD**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 15:03**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.211	13.996	5.0543
2	3.19	Chloride	BMB	3.429	36.840	24.3172
3	3.72	Nitrite	BMB	1.739	14.335	4.8895
4	6.08	Bromide	BMB	0.287	2.017	4.7769
5	6.66	Nitrate	BMB	1.761	9.148	4.8166
6	11.24	Sulfate	BMb	2.781	27.929	24.1795
8	12.55	Ortho as P	BMB	1.136	12.670	5.0860
		TOTAL:		12.34	116.94	73.12



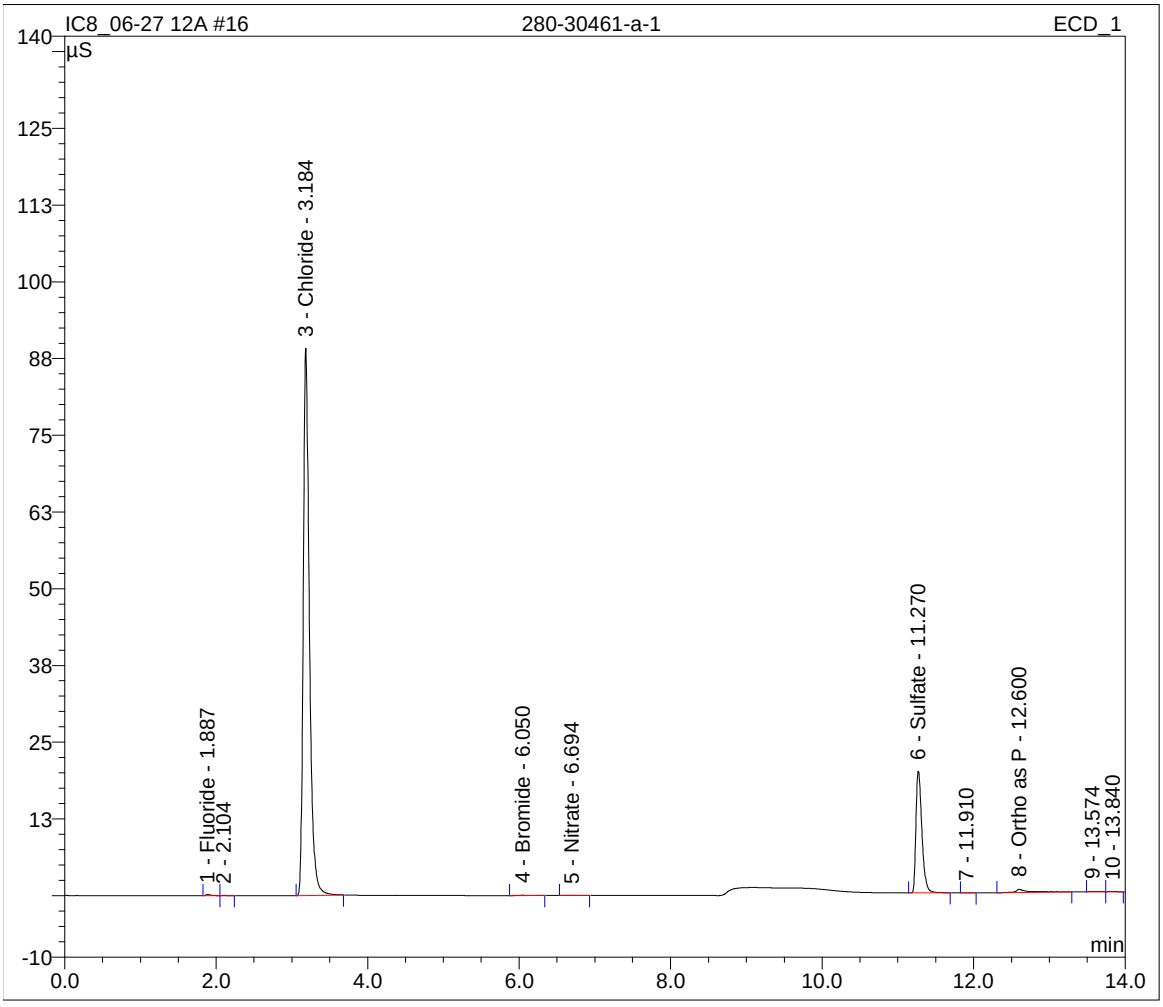
Sample Name:	**MB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 15:20**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.009	0.115	0.0075
2	3.20	Chloride	BMB	0.002	0.014	0.0300
3	11.38	Sulfate	BMB	0.014	0.057	-0.0801
5	12.59	Ortho as P	BMB	0.115	0.700	-0.1369
TOTAL:				0.14	0.89	-0.18



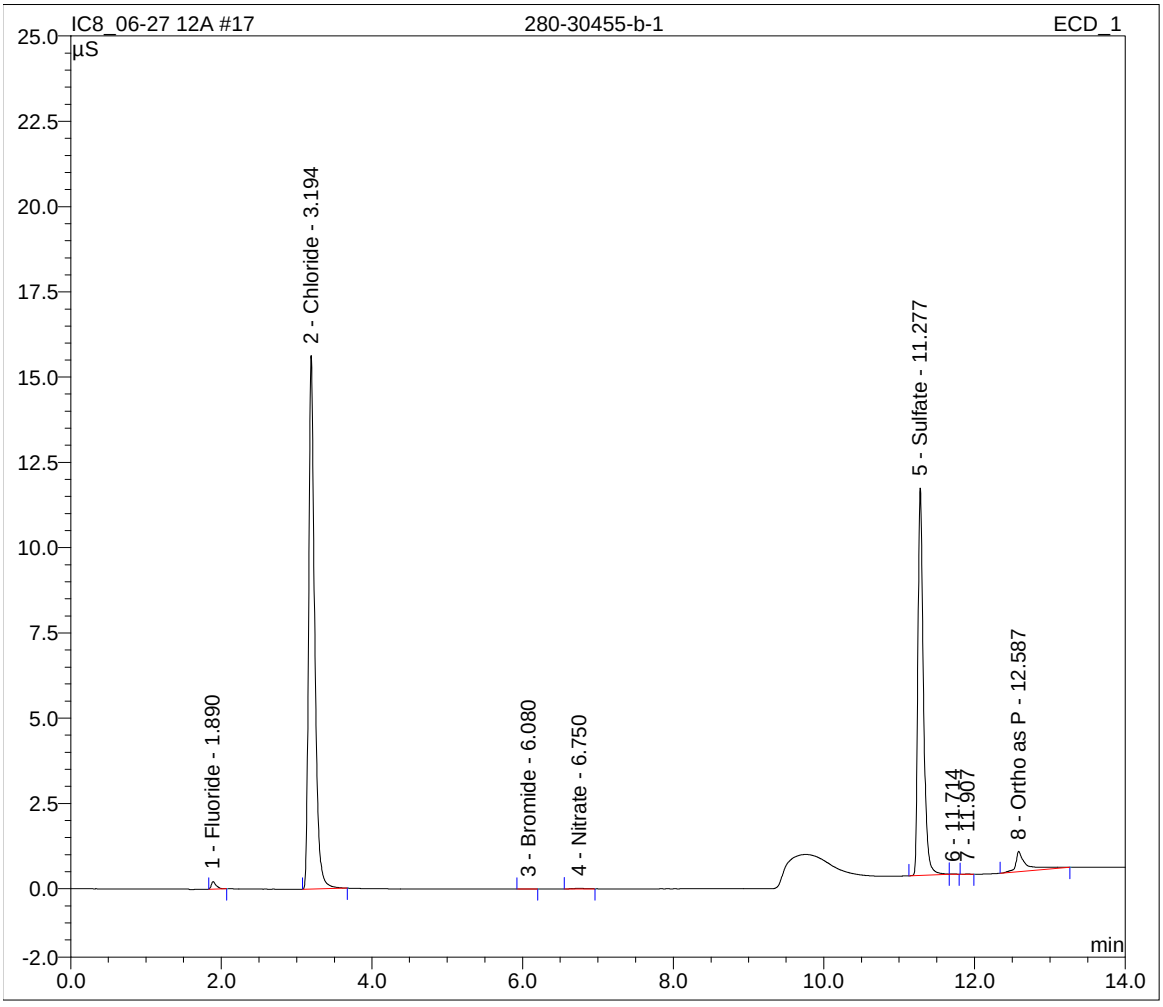
Sample Name:	**280-30461-a-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 15:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMb	0.013	0.177	0.0256
3	3.18	Chloride	BMB	8.375	89.115	59.3666
4	6.05	Bromide	BMB	0.008	0.055	0.1634
5	6.69	Nitrate	BMB	0.003	0.022	0.0346
6	11.27	Sulfate	BMB	1.802	19.795	15.5951
8	12.60	Ortho as P	BMB	0.097	0.525	-0.2322
		TOTAL:		10.30	109.69	74.95



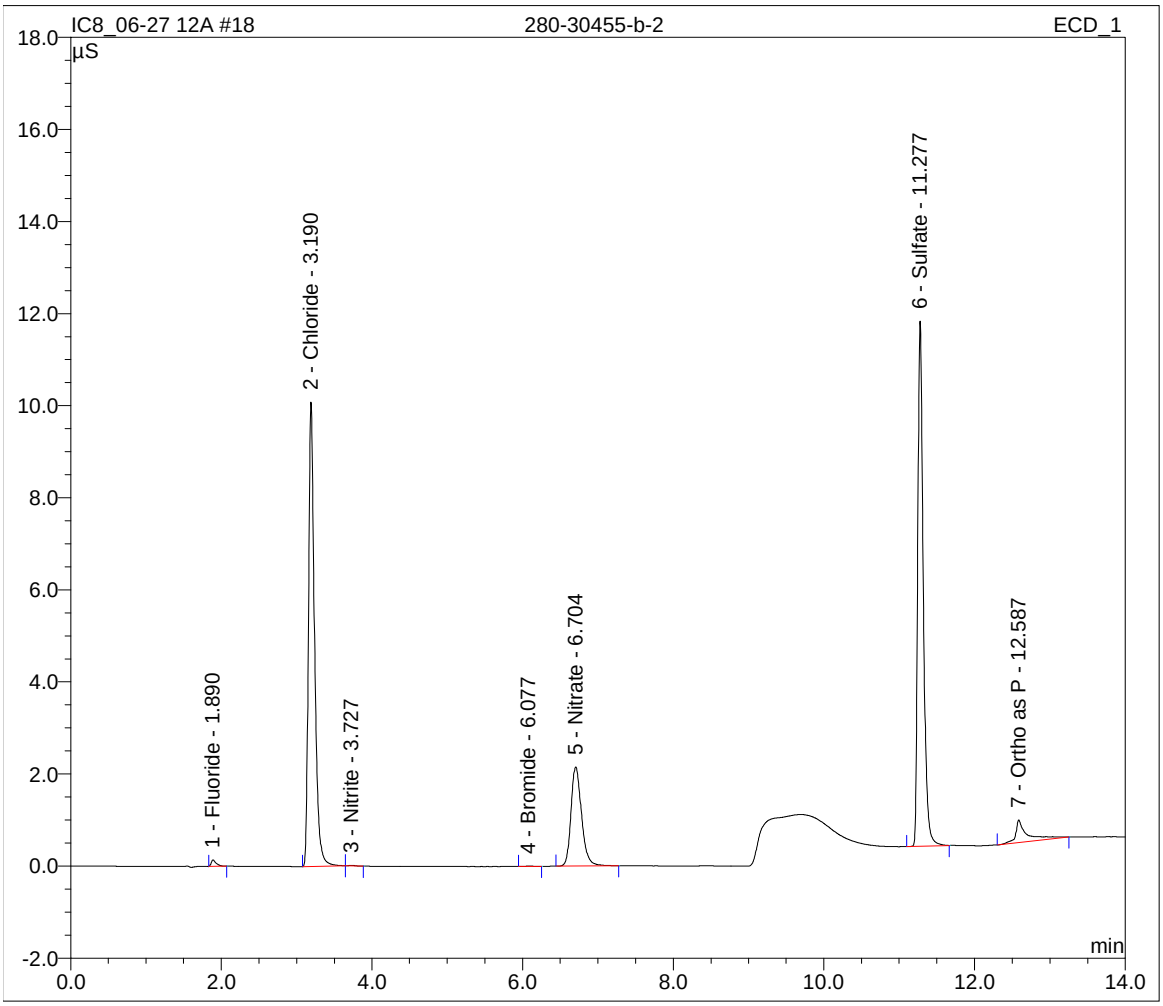
Sample Name:	**280-30455-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 15:54**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.017	0.220	0.0396
2	3.19	Chloride	BMB	1.444	15.636	10.2463
3	6.08	Bromide	BMB	0.001	0.004	0.0433
4	6.75	Nitrate	BMB	0.002	0.015	0.0319
5	11.28	Sulfate	BMb	0.966	11.358	8.2634
8	12.59	Ortho as P	BMB	0.102	0.599	-0.2059
		TOTAL:		2.53	27.83	18.42



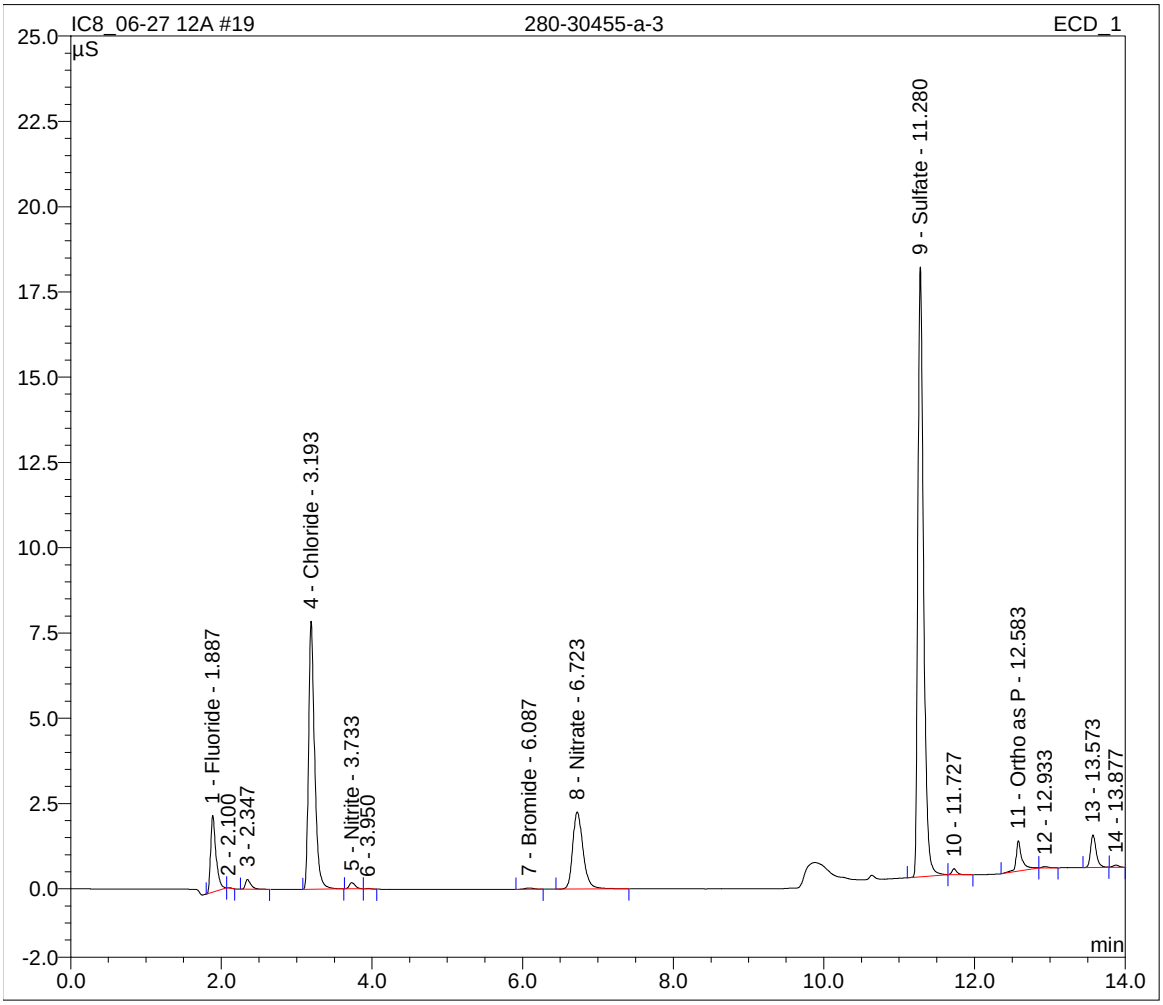
Sample Name:	**280-30455-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 16:10**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.011	0.142	0.0154
2	3.19	Chloride	BMb	0.938	10.086	6.6646
3	3.73	Nitrite	bMB	0.001	0.011	0.0101
4	6.08	Bromide	BMB	0.001	0.005	0.0451
5	6.70	Nitrate	BMB	0.349	2.152	0.9748
6	11.28	Sulfate	BMB	0.973	11.410	8.3263
7	12.59	Ortho as P	BMB	0.087	0.492	-0.2791
TOTAL:				2.36	24.30	15.76



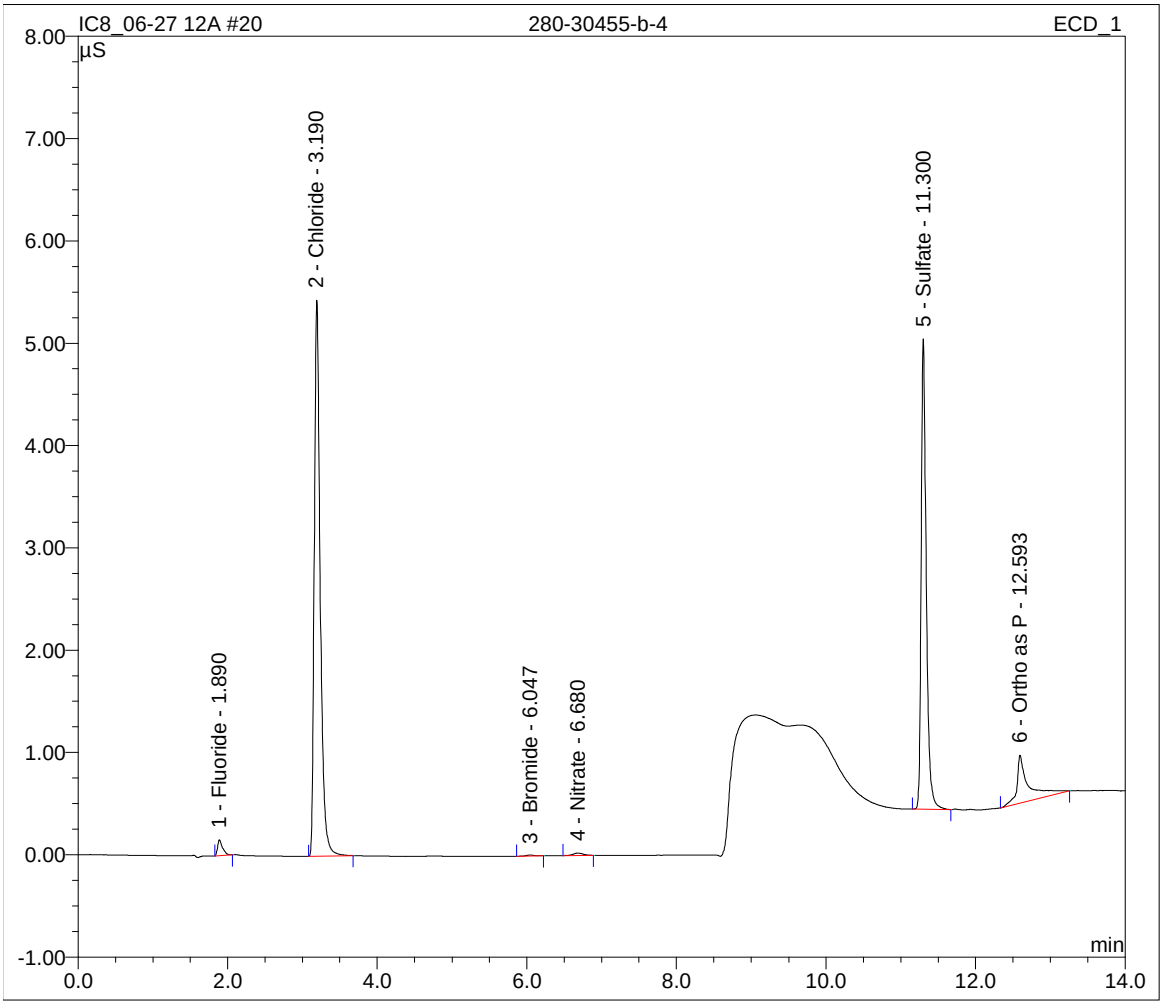
Sample Name:	**280-30455-a-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 16:27**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMb	0.185	2.248	0.7463
4	3.19	Chloride	BMB	0.732	7.865	5.2019
5	3.73	Nitrite	BMb	0.017	0.185	0.0555
7	6.09	Bromide	BMB	0.005	0.038	0.1198
8	6.72	Nitrate	BMB	0.360	2.258	1.0041
9	11.28	Sulfate	BMb	1.567	17.880	13.5352
11	12.58	Ortho as P	BMB	0.080	0.890	-0.3186
TOTAL:				2.95	31.36	20.34



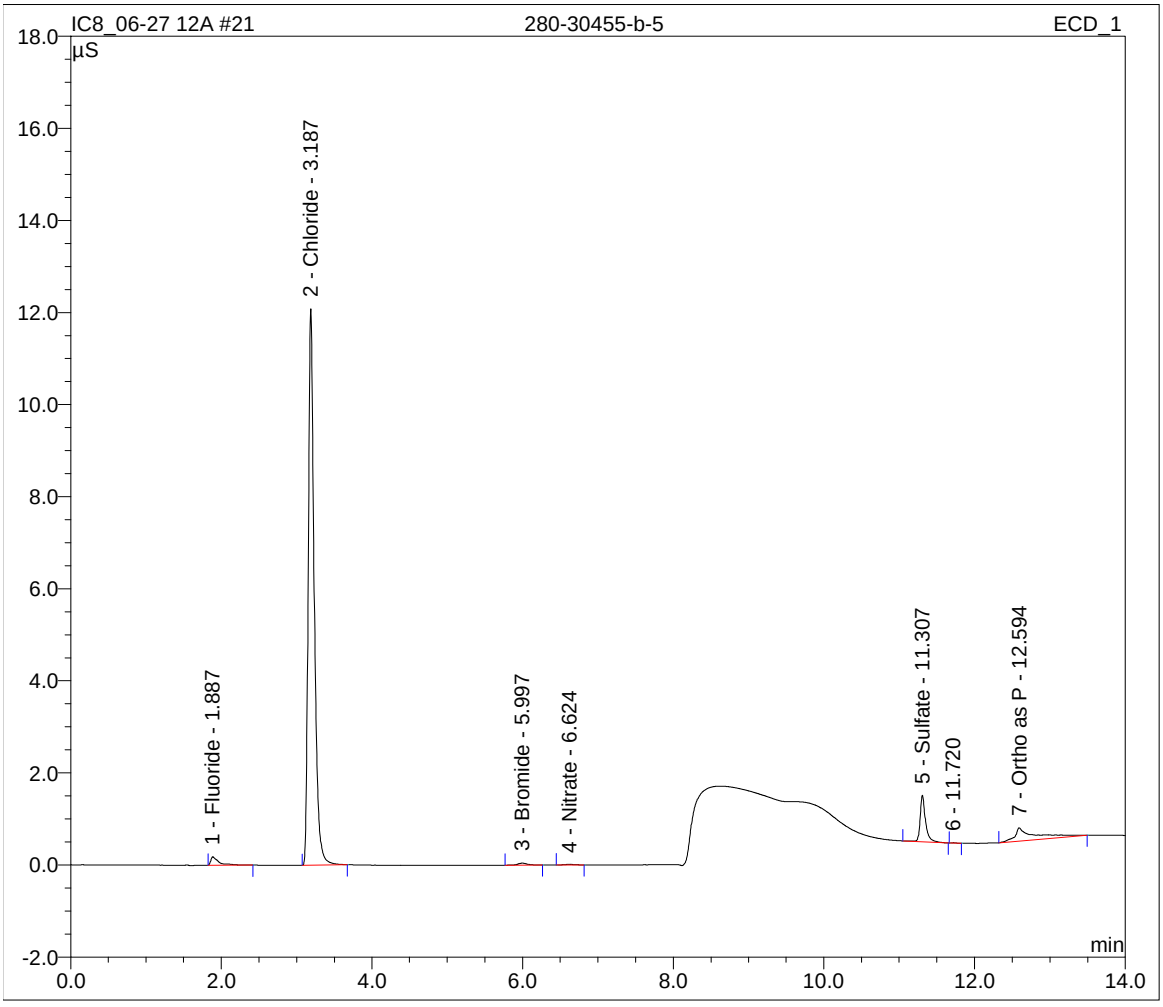
Sample Name:	**280-30455-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 16:44**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.012	0.158	0.0211
2	3.19	Chloride	BMB	0.501	5.435	3.5653
3	6.05	Bromide	BMB	0.001	0.010	0.0566
4	6.68	Nitrate	BMB	0.004	0.023	0.0351
5	11.30	Sulfate	BMB	0.365	4.600	2.9999
6	12.59	Ortho as P	BMB	0.085	0.468	-0.2928
		TOTAL:		0.97	10.69	6.39



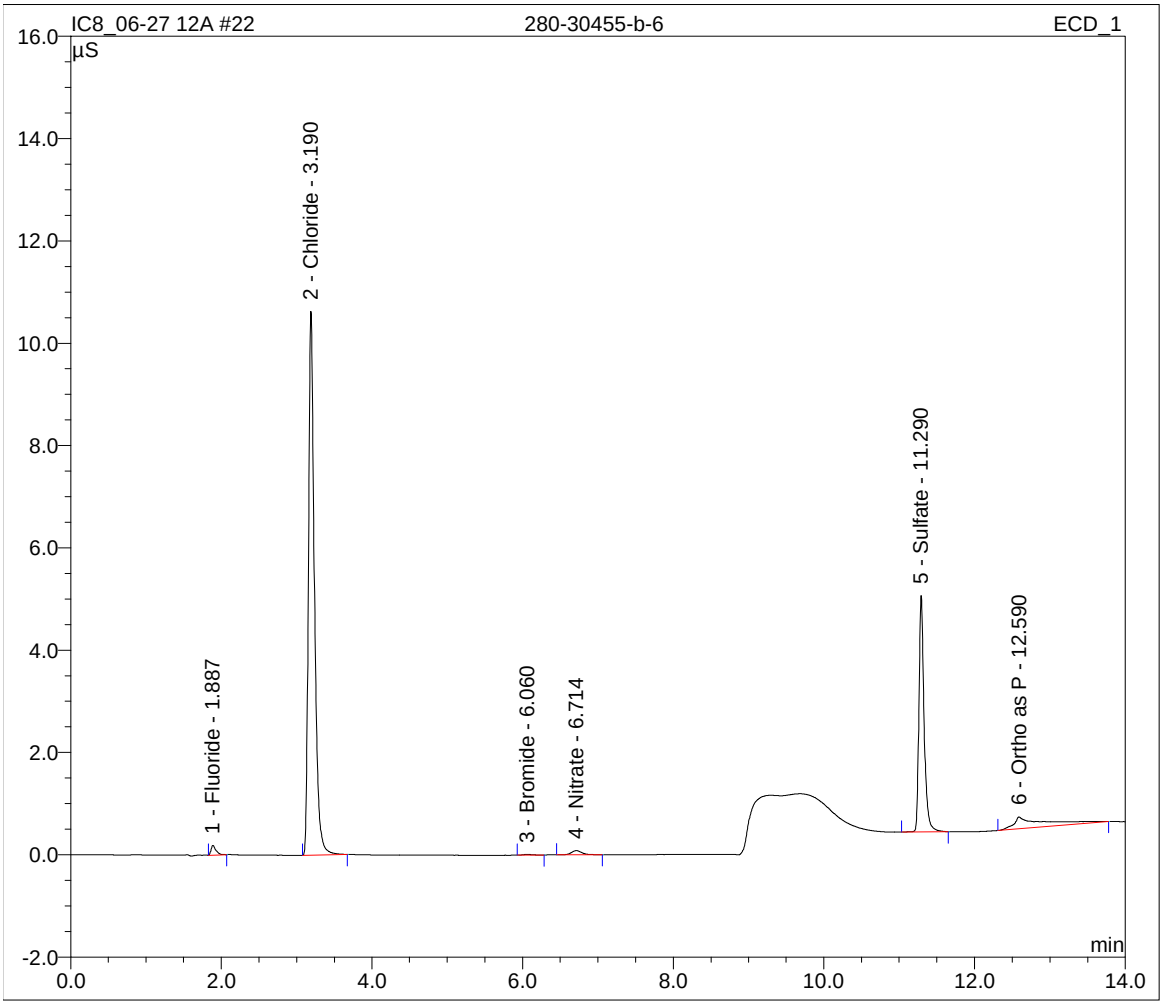
Sample Name:	**280-30455-b-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 17:01**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.023	0.184	0.0647
2	3.19	Chloride	BMB	1.114	12.091	7.9129
3	6.00	Bromide	BMB	0.006	0.042	0.1317
4	6.62	Nitrate	BMB	0.002	0.012	0.0300
5	11.31	Sulfate	BMB	0.085	1.007	0.5399
7	12.59	Ortho as P	BMB	0.088	0.285	-0.2756
		TOTAL:		1.32	13.62	8.40



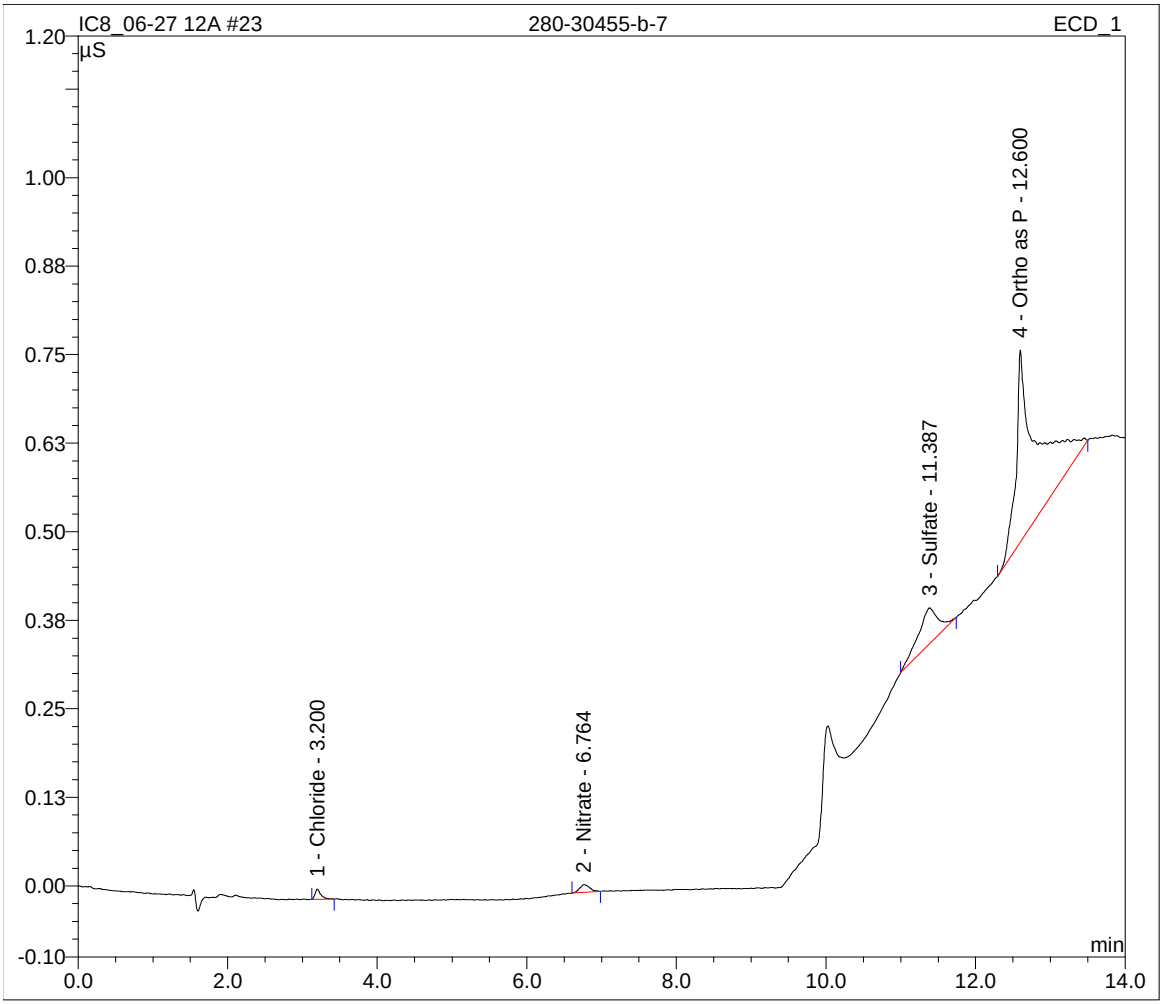
Sample Name:	**280-30455-b-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 17:18**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.014	0.189	0.0296
2	3.19	Chloride	BMB	0.982	10.631	6.9725
3	6.06	Bromide	BMB	0.002	0.013	0.0638
4	6.71	Nitrate	BMB	0.013	0.082	0.0606
5	11.29	Sulfate	BMB	0.371	4.624	3.0446
6	12.59	Ortho as P	BMB	0.106	0.233	-0.1852
TOTAL:				1.49	15.77	9.99



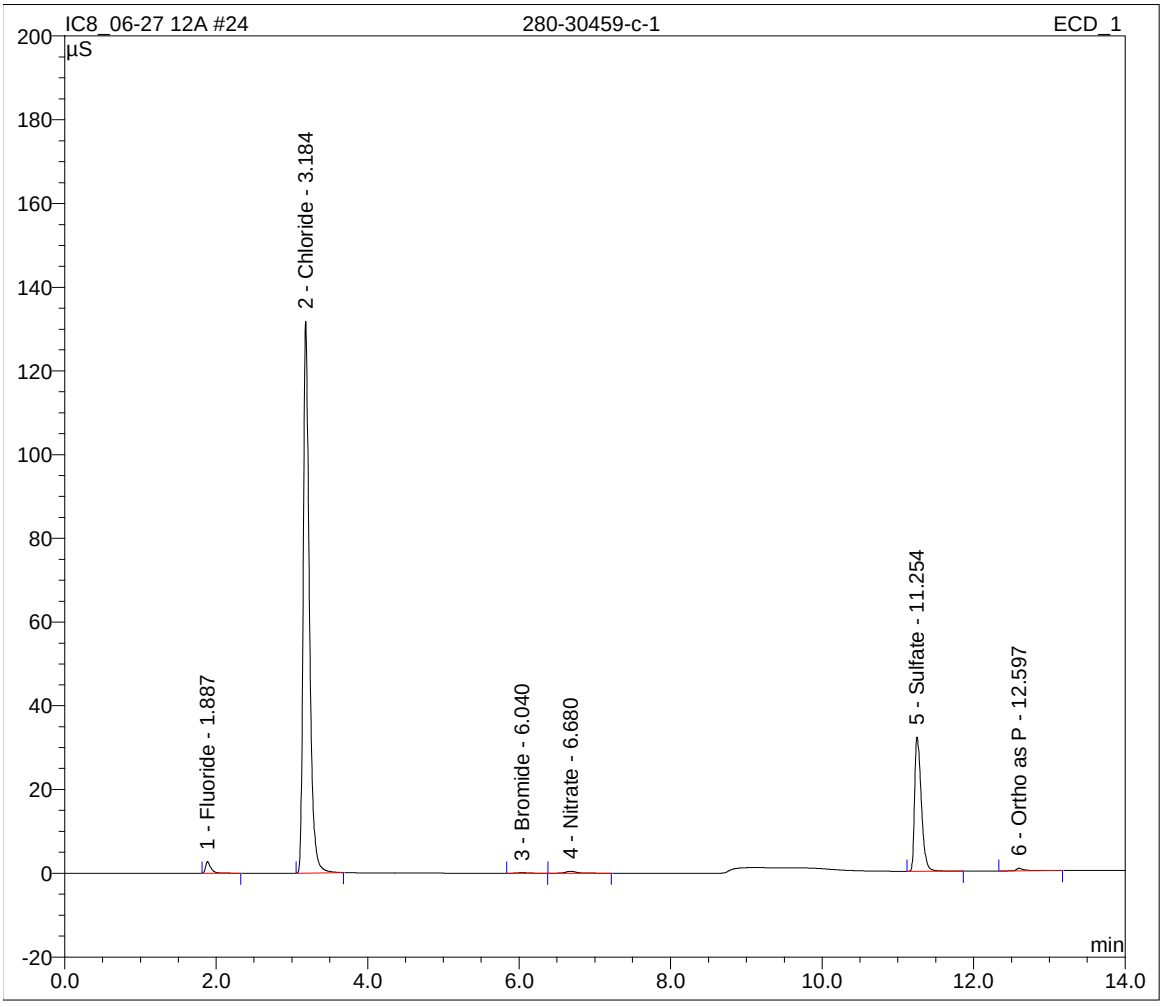
Sample Name:	**280-30455-b-7**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 17:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	3.20	Chloride	BMB	0.001	0.014	0.0259
2	6.76	Nitrate	BMB	0.002	0.011	0.0300
3	11.39	Sulfate	BMB	0.016	0.051	-0.0668
4	12.60	Ortho as P	BMB	0.088	0.270	-0.2744
TOTAL:				0.11	0.35	-0.29



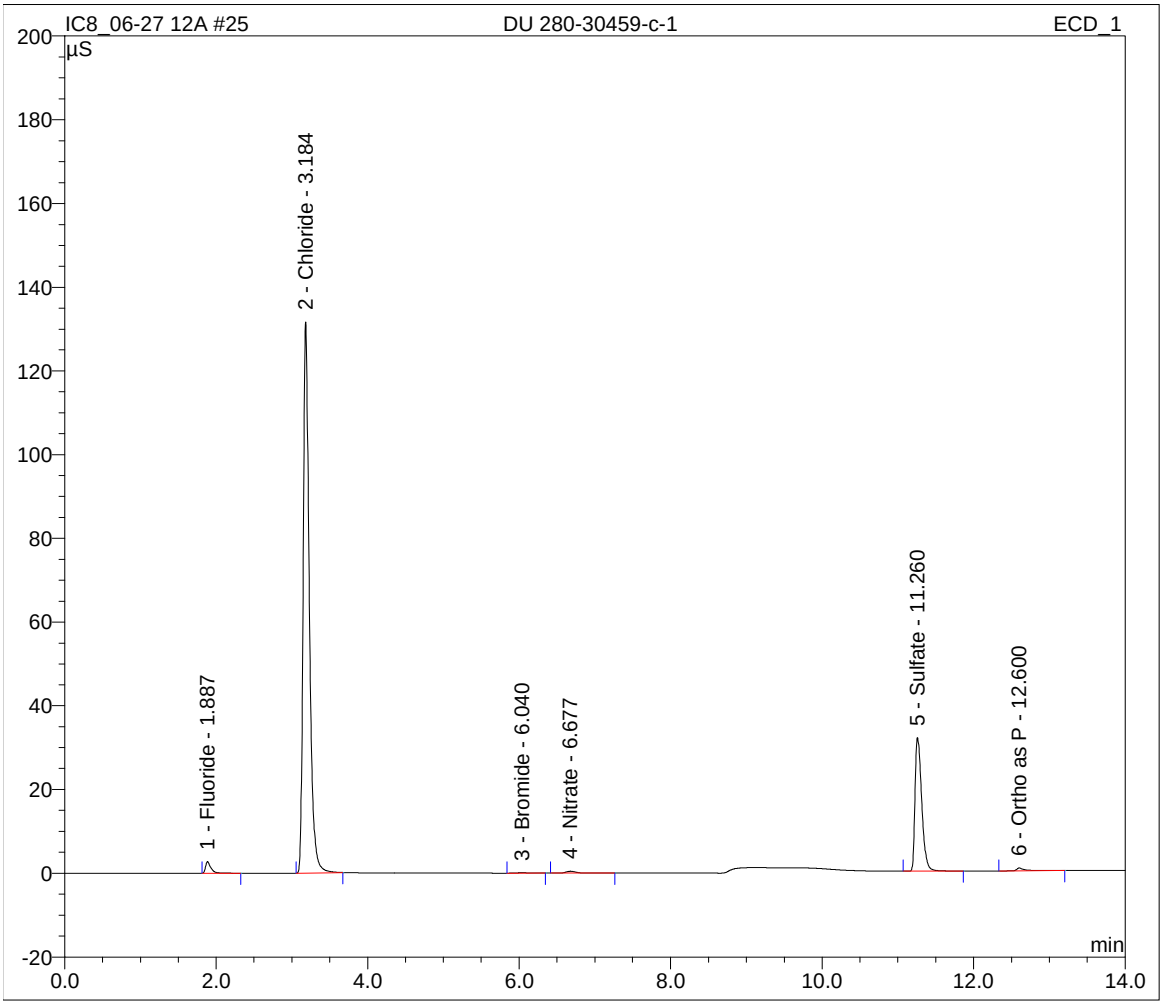
Sample Name:	**280-30459-c-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 17:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.234	2.789	0.9520
2	3.18	Chloride	BMB	12.412	131.911	87.9743
3	6.04	Bromide	BMB	0.017	0.122	0.3141
4	6.68	Nitrate	BMB	0.070	0.452	0.2150
5	11.25	Sulfate	BMB	3.292	32.030	28.6568
6	12.60	Ortho as P	BMB	0.100	0.690	-0.2164
		TOTAL:		16.12	167.99	117.90



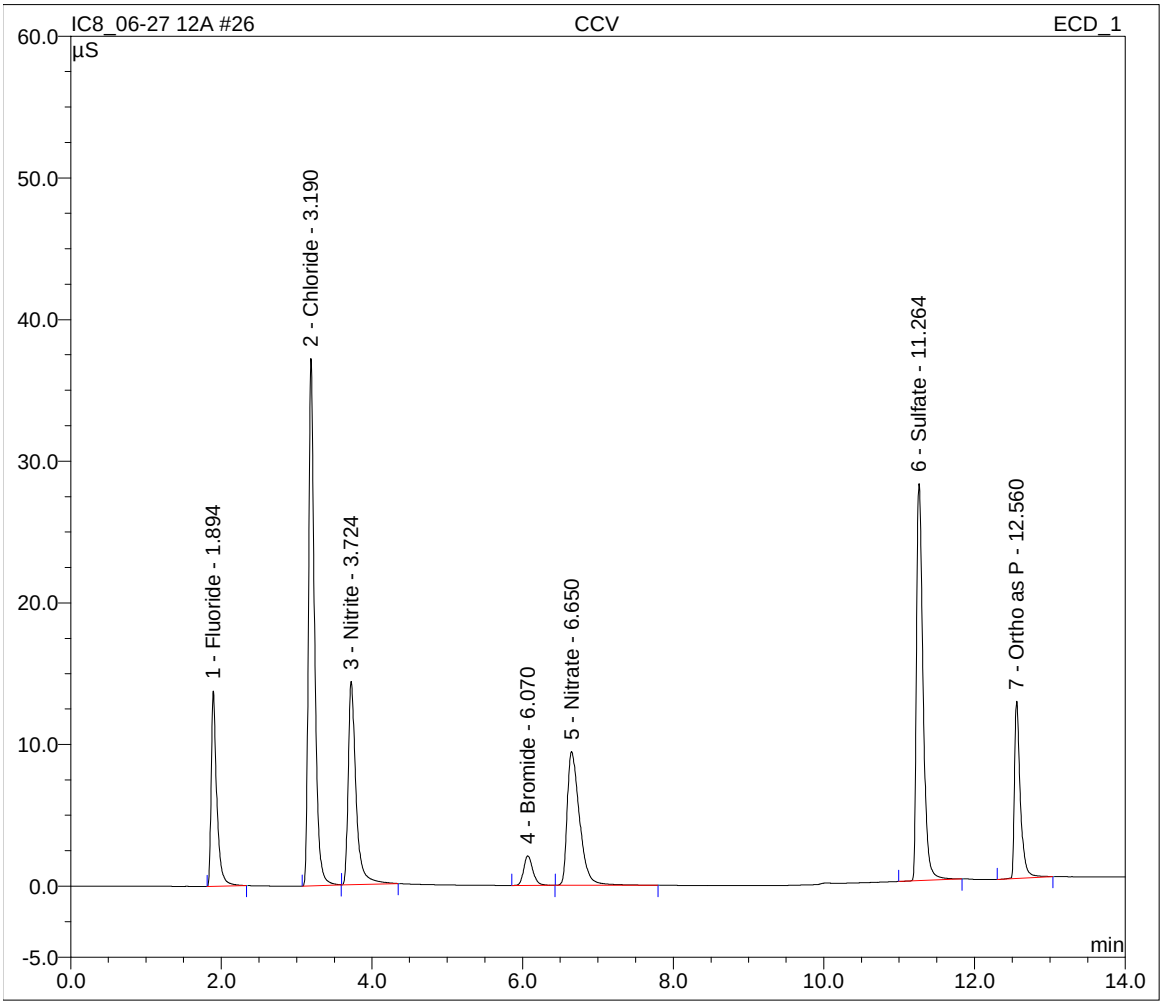
Sample Name:	**DU 280-30459-c-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 18:08**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.235	2.793	0.9541
2	3.18	Chloride	BMB	12.409	131.731	87.9556
3	6.04	Bromide	BMB	0.017	0.121	0.3110
4	6.68	Nitrate	BMB	0.071	0.458	0.2180
5	11.26	Sulfate	BMB	3.287	31.891	28.6197
6	12.60	Ortho as P	BMB	0.107	0.721	-0.1804
		TOTAL:		16.13	167.72	117.88



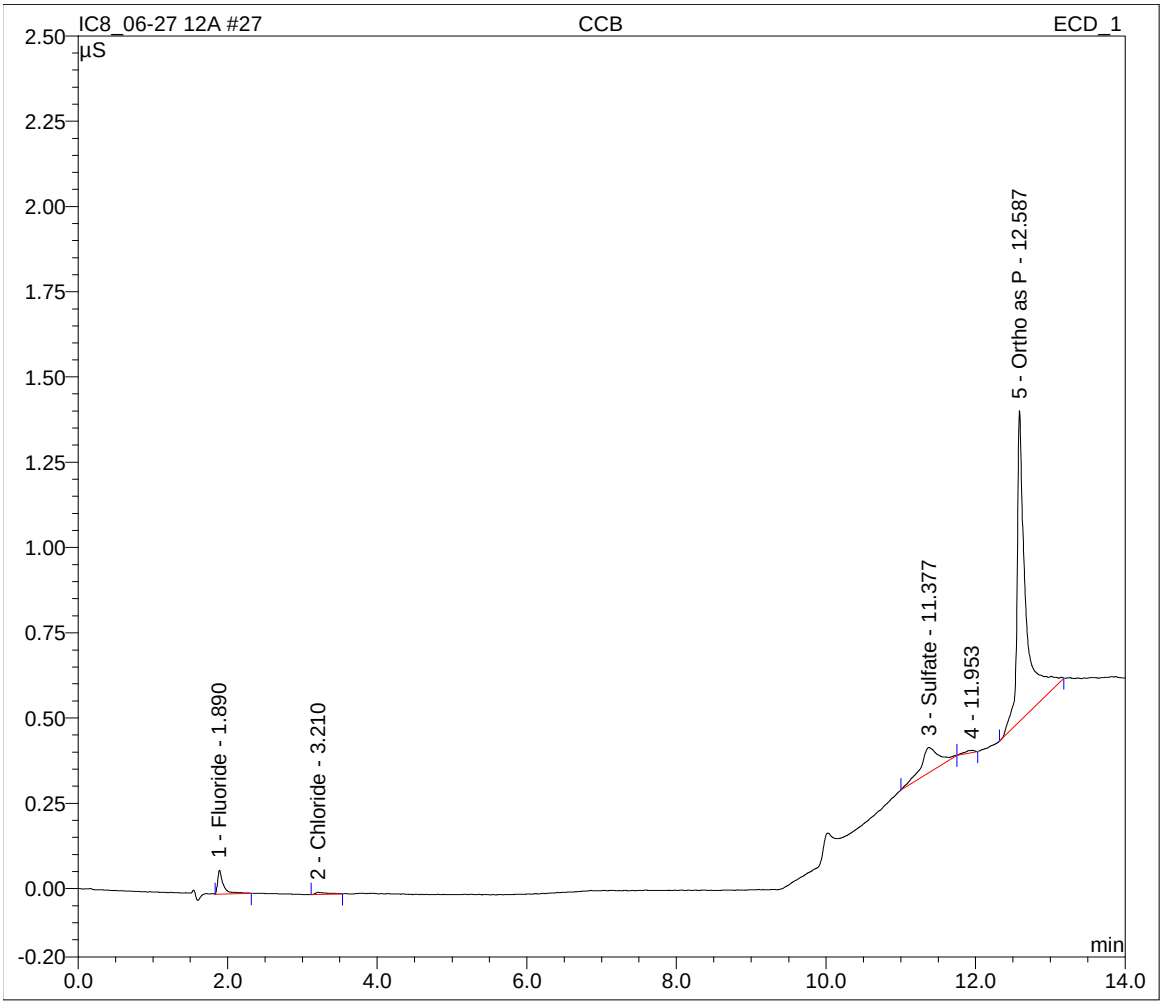
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 19:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.183	13.771	4.9335
2	3.19	Chloride	BMB	3.457	37.224	24.5134
3	3.72	Nitrite	BMB	1.726	14.321	4.8533
4	6.07	Bromide	BMB	0.291	2.079	4.8456
5	6.65	Nitrate	BMB	1.786	9.429	4.8848
6	11.26	Sulfate	BMB	2.829	28.018	24.6022
7	12.56	Ortho as P	BMB	1.121	12.496	5.0119
TOTAL:				12.39	117.34	73.64



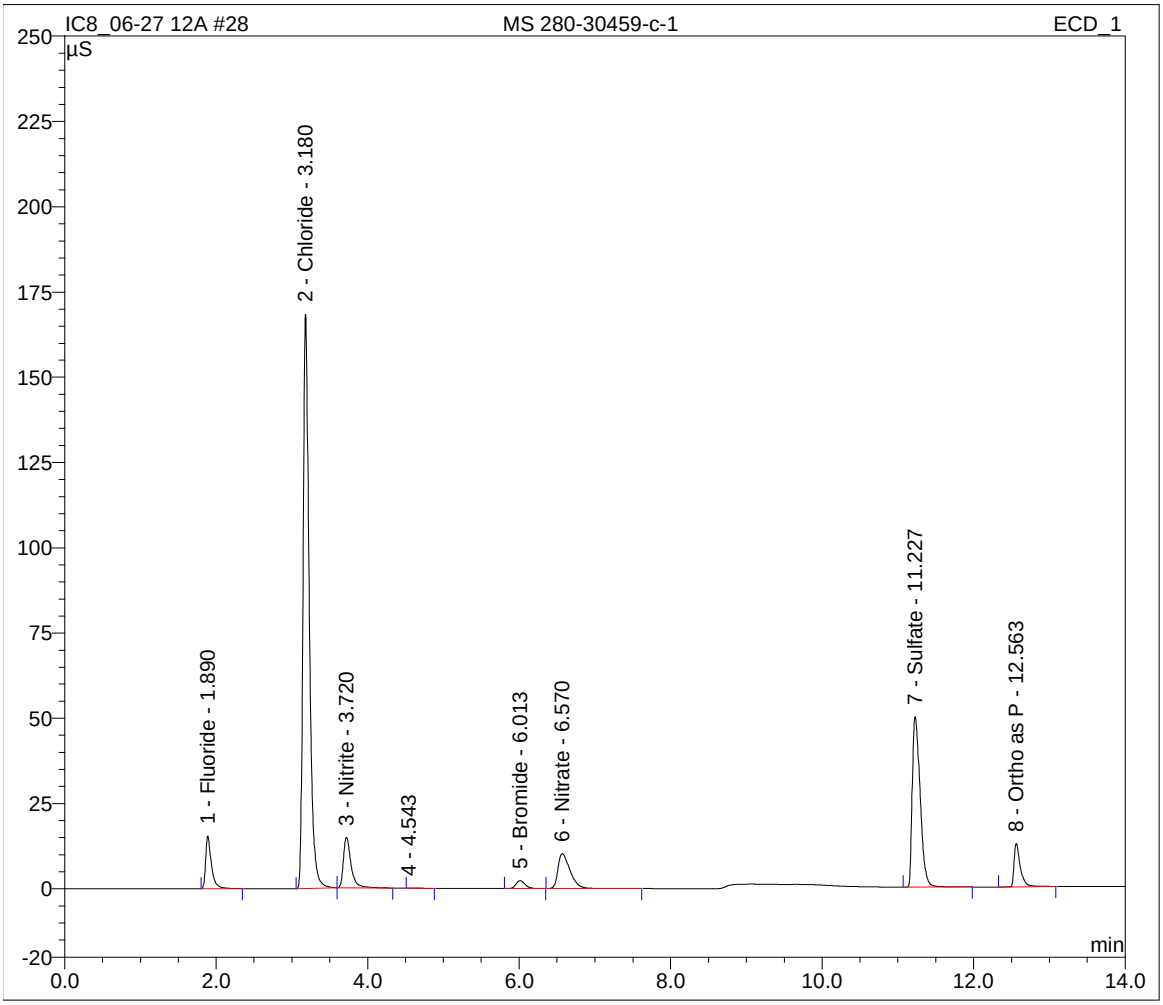
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 19:49**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.006	0.070	-0.0033
2	3.21	Chloride	BMB	0.001	0.006	0.0244
3	11.38	Sulfate	BMB	0.020	0.073	-0.0314
5	12.59	Ortho as P	BMB	0.125	0.911	-0.0885
TOTAL:				0.15	1.06	-0.10



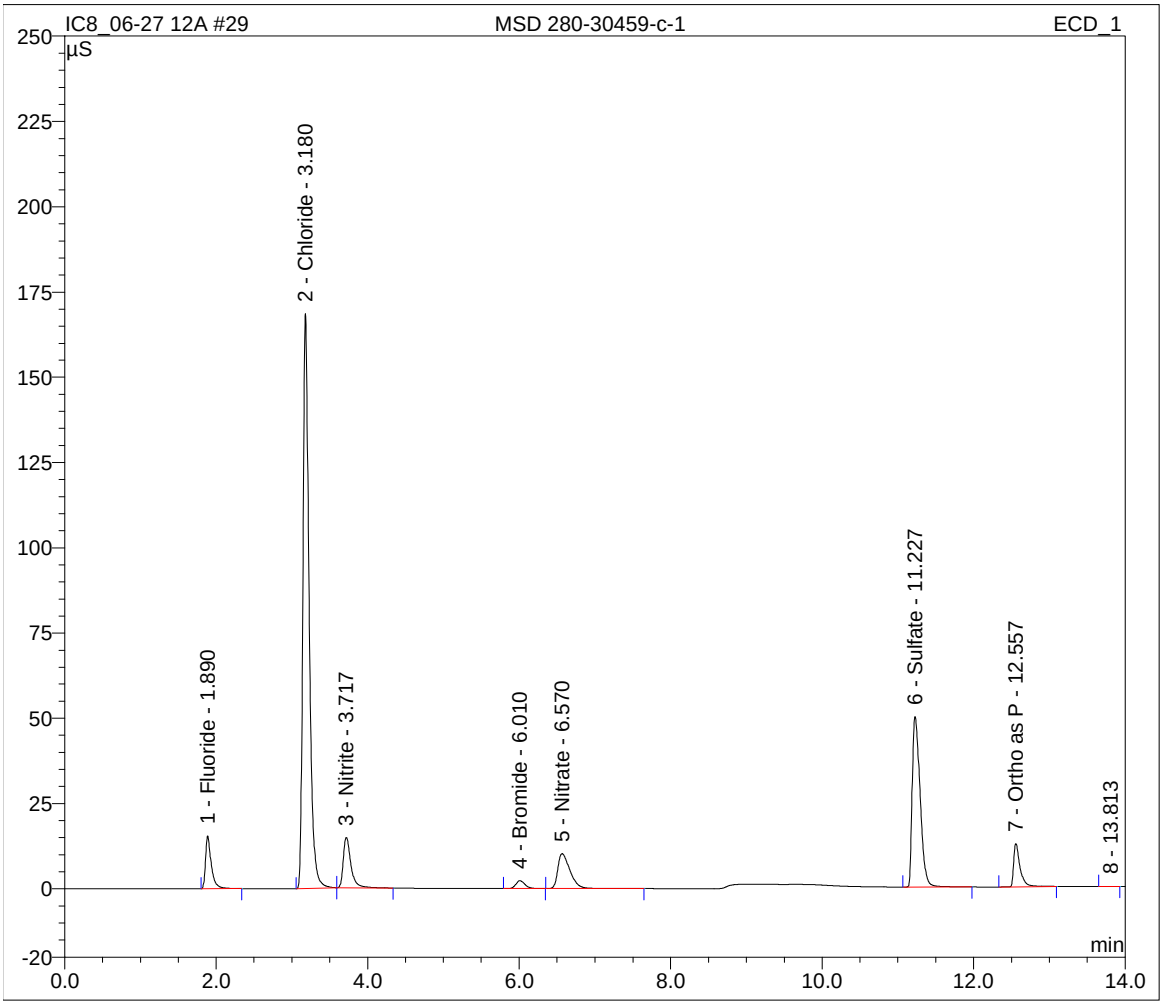
Sample Name:	**MS 280-30459-c-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 20:06**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.387	15.480	5.7914
2	3.18	Chloride	BMB	15.916	168.453	112.8078
3	3.72	Nitrite	bMB	1.736	14.756	4.8803
5	6.01	Bromide	BMB	0.322	2.330	5.3590
6	6.57	Nitrate	BMB	1.892	10.213	5.1737
7	11.23	Sulfate	BMB	6.046	49.975	52.8077
8	12.56	Ortho as P	BMB	1.205	12.671	5.4389
		TOTAL:		28.50	273.88	192.26



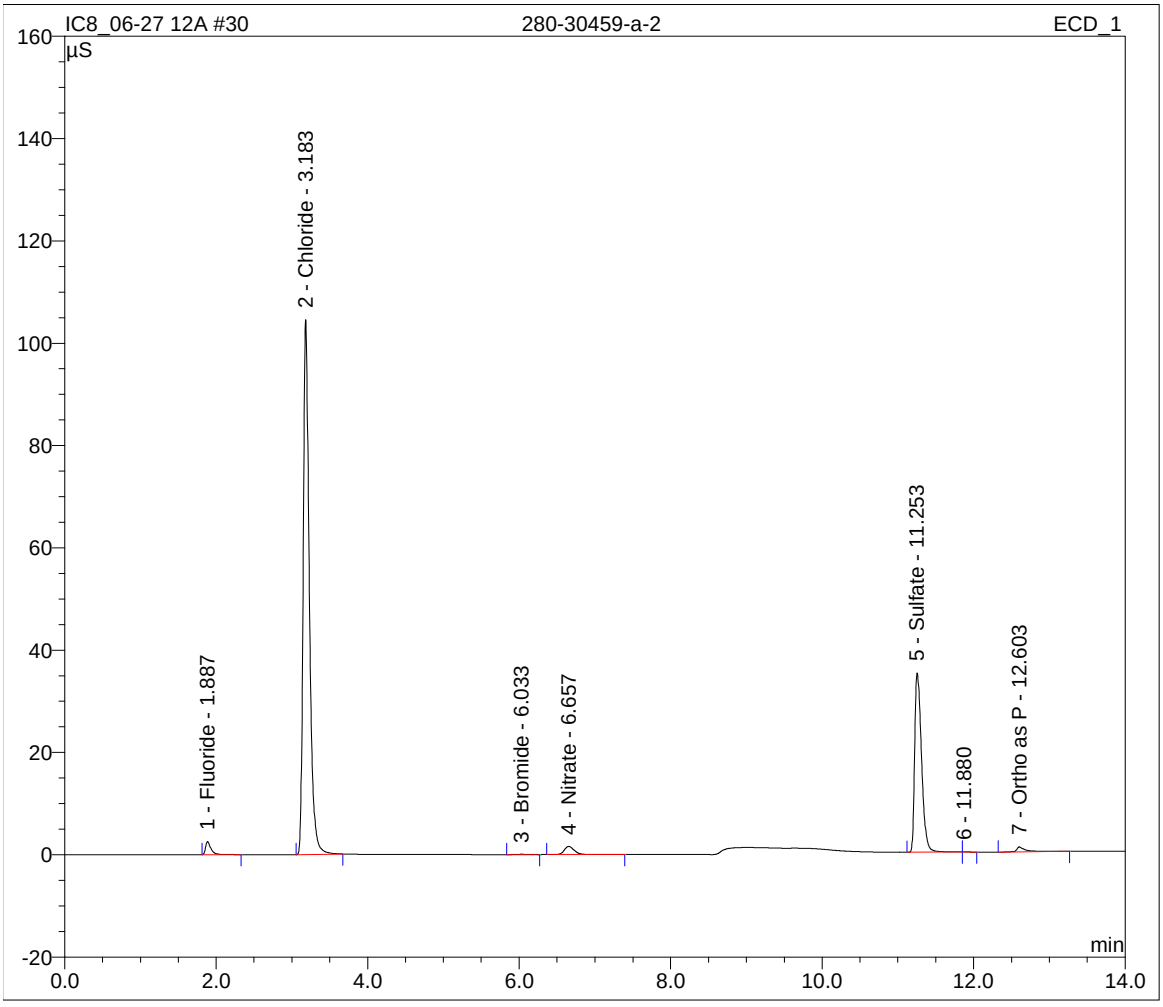
Sample Name:	**MSD 280-30459-c-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 20:23**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.389	15.486	5.8014
2	3.18	Chloride	BMb	15.921	168.632	112.8411
3	3.72	Nitrite	bMB	1.734	14.755	4.8764
4	6.01	Bromide	BMB	0.323	2.333	5.3624
5	6.57	Nitrate	BMB	1.896	10.213	5.1821
6	11.23	Sulfate	BMB	6.058	49.960	52.9145
7	12.56	Ortho as P	BMB	1.231	12.671	5.5729
		TOTAL:		28.55	274.05	192.55



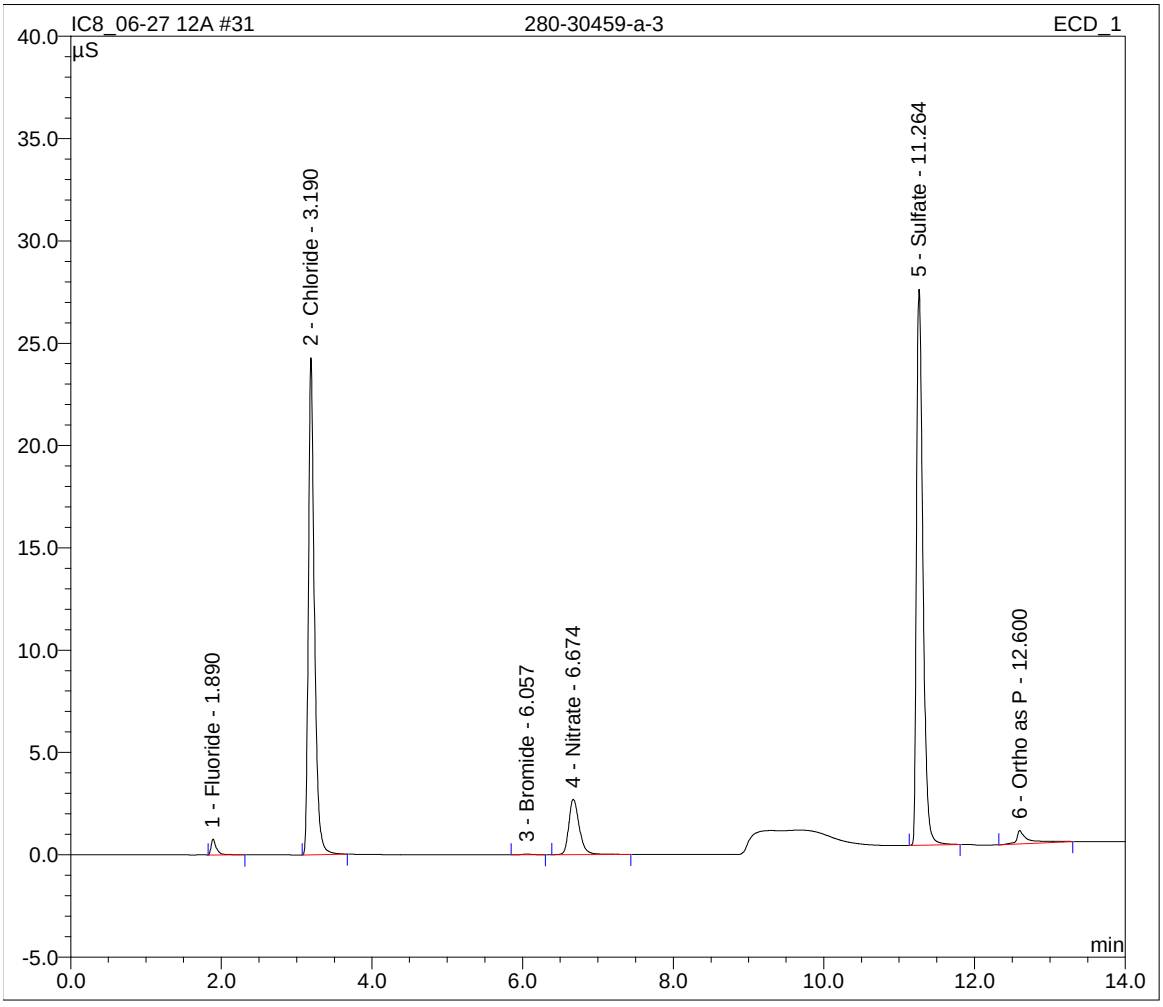
Sample Name:	**280-30459-a-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 20:40**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.217	2.576	0.8817
2	3.18	Chloride	BMB	9.832	104.579	69.6961
3	6.03	Bromide	BMB	0.009	0.068	0.1895
4	6.66	Nitrate	BMB	0.247	1.588	0.6962
5	11.25	Sulfate	BMb	3.695	35.044	32.1972
7	12.60	Ortho as P	BMB	0.146	0.977	0.0222
		TOTAL:		14.15	144.83	103.68



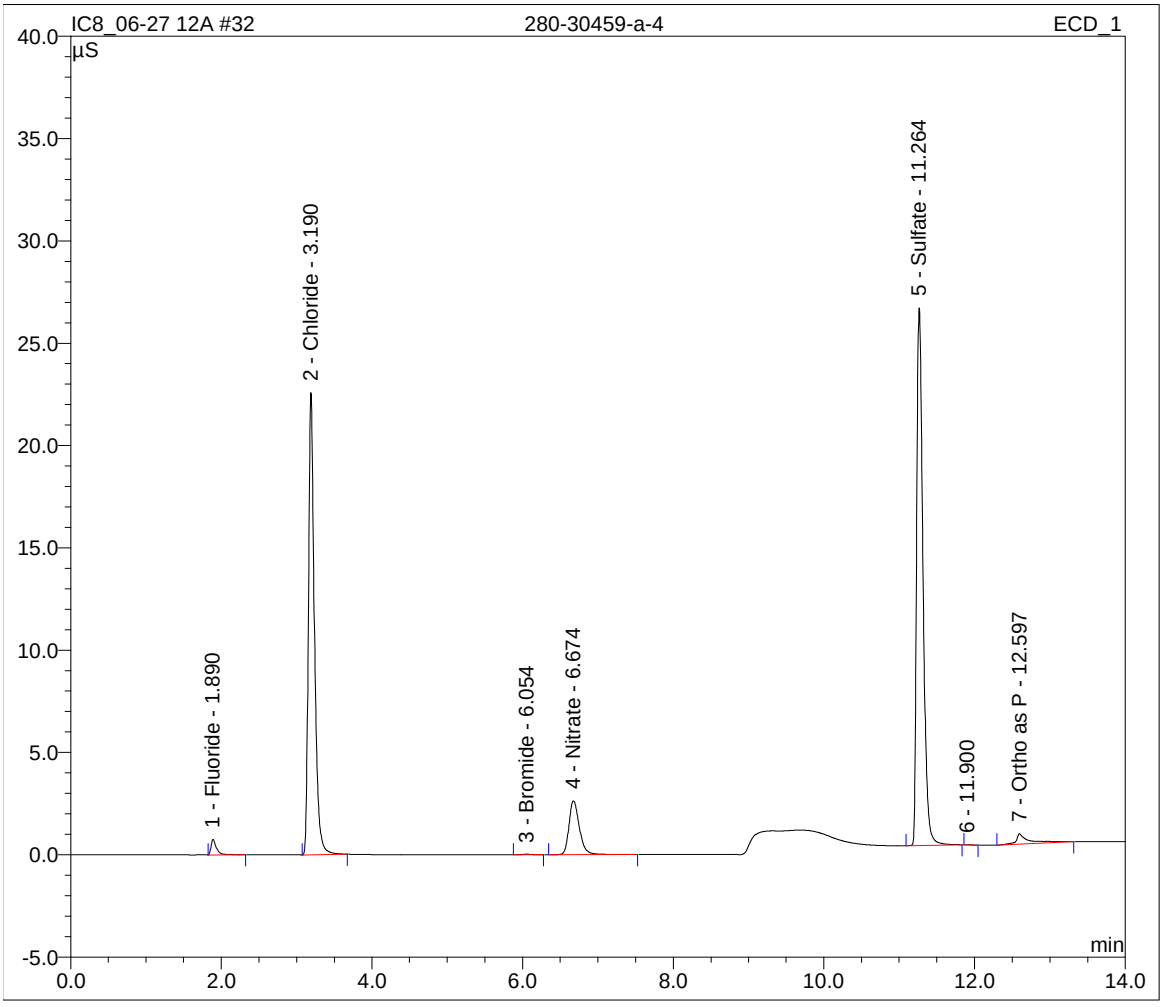
Sample Name:	**280-30459-a-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 20:57**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.064	0.774	0.2396
2	3.19	Chloride	BMB	2.248	24.290	15.9501
3	6.06	Bromide	BMB	0.004	0.030	0.1053
4	6.67	Nitrate	BMB	0.432	2.696	1.1996
5	11.26	Sulfate	BMB	2.675	27.172	23.2487
6	12.60	Ortho as P	BMB	0.115	0.658	-0.1359
		TOTAL:		5.54	55.62	40.61



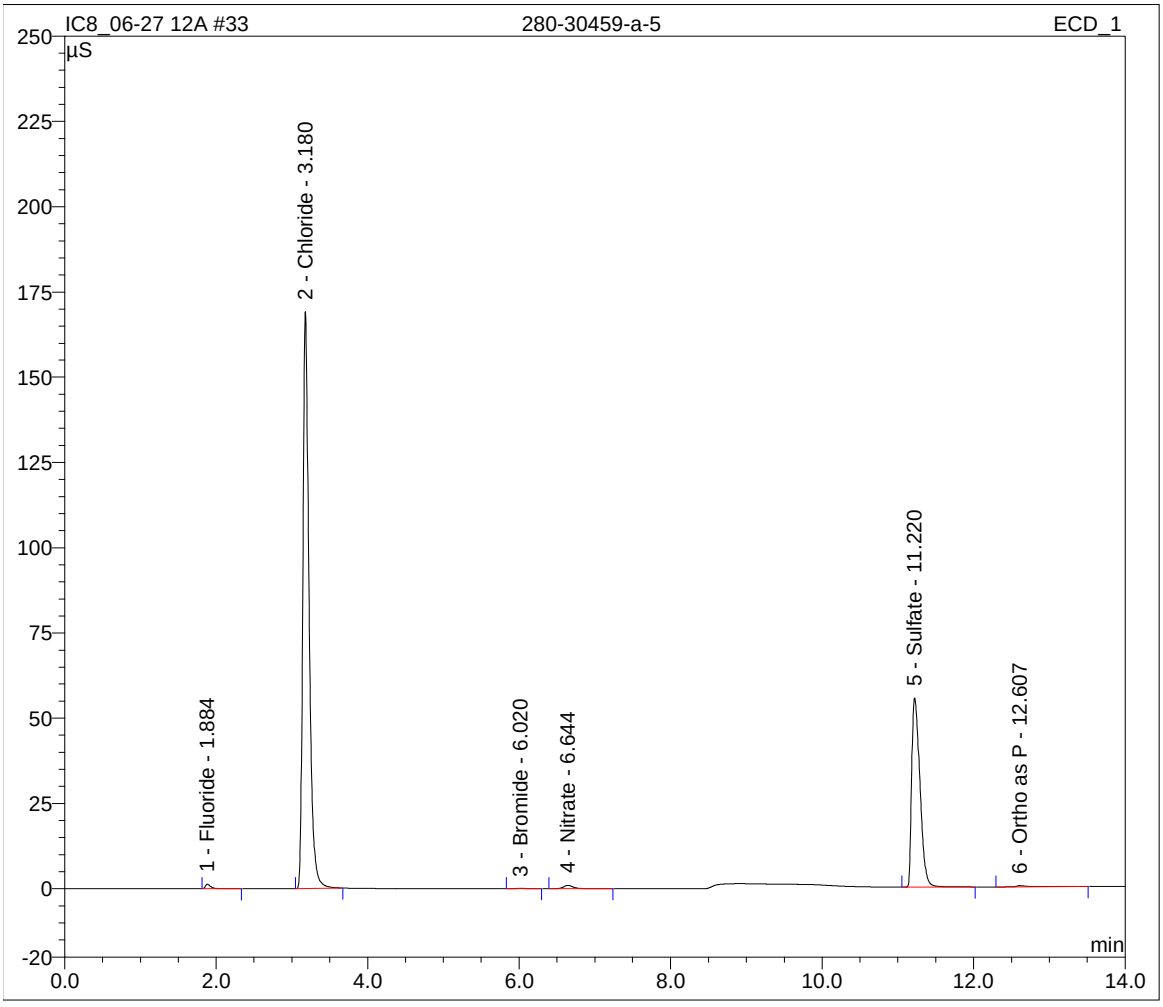
Sample Name:	**280-30459-a-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 21:13**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.064	0.763	0.2382
2	3.19	Chloride	BMB	2.083	22.581	14.7765
3	6.05	Bromide	BMB	0.004	0.029	0.1007
4	6.67	Nitrate	BMB	0.421	2.624	1.1695
5	11.26	Sulfate	BMB	2.560	26.280	22.2429
7	12.60	Ortho as P	BMB	0.098	0.505	-0.2254
		TOTAL:		5.23	52.78	38.30



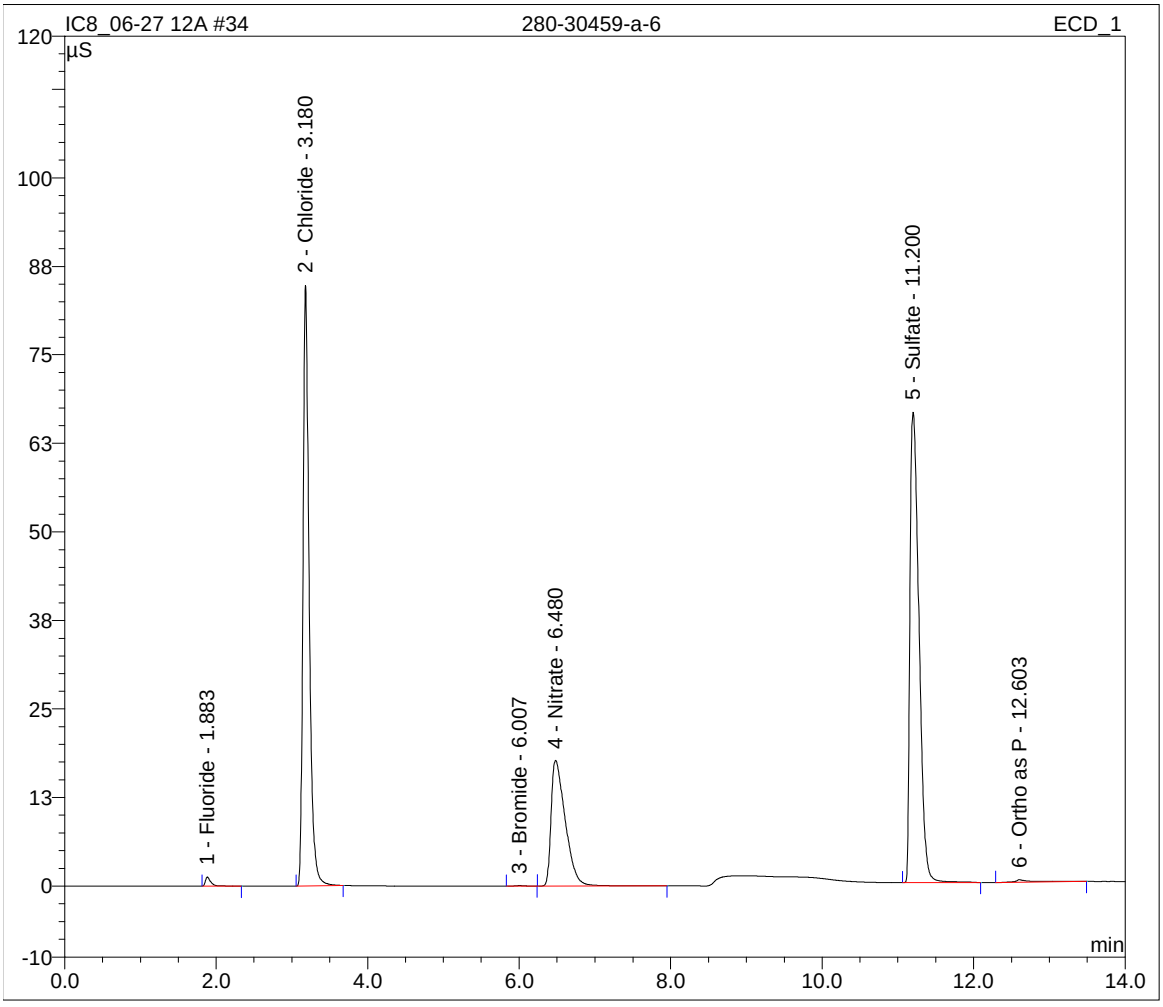
Sample Name:	**280-30459-a-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 21:30**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.88	Fluoride	BMB	0.115	1.340	0.4523
2	3.18	Chloride	BMB	16.055	169.212	113.7921
3	6.02	Bromide	BMB	0.013	0.092	0.2456
4	6.64	Nitrate	BMB	0.143	0.944	0.4152
5	11.22	Sulfate	BMB	7.015	55.412	61.3021
6	12.61	Ortho as P	BMB	0.102	0.391	-0.2041
TOTAL:				23.44	227.39	176.00



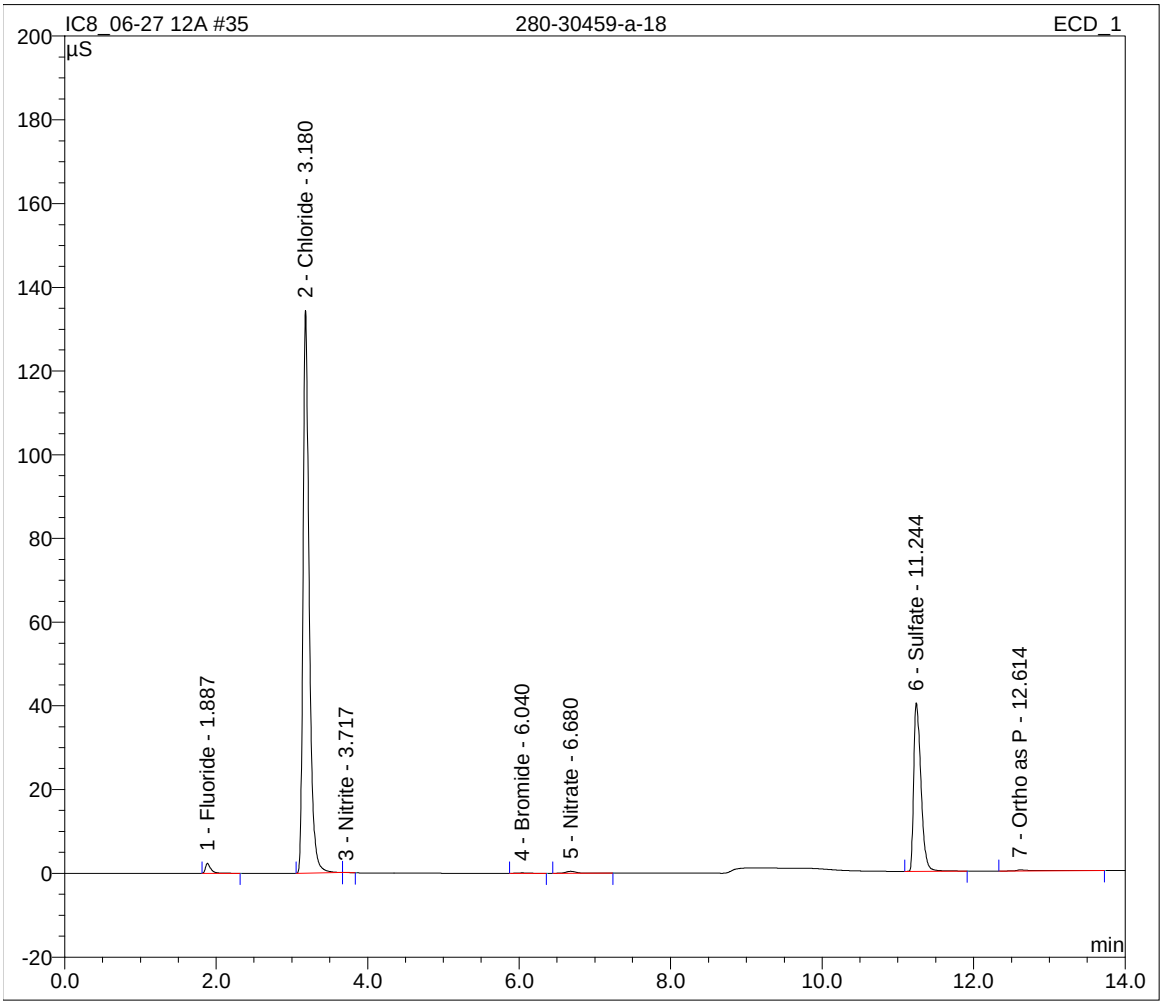
Sample Name:	**280-30459-a-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 21:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.88	Fluoride	BMB	0.112	1.302	0.4409
2	3.18	Chloride	BMB	7.964	84.812	56.4552
3	6.01	Bromide	BMB	0.009	0.070	0.1861
4	6.48	Nitrate	BMB	3.837	17.730	10.4639
5	11.20	Sulfate	BMB	9.186	66.414	80.3451
6	12.60	Ortho as P	BMB	0.096	0.364	-0.2366
		TOTAL:		21.20	170.69	147.65



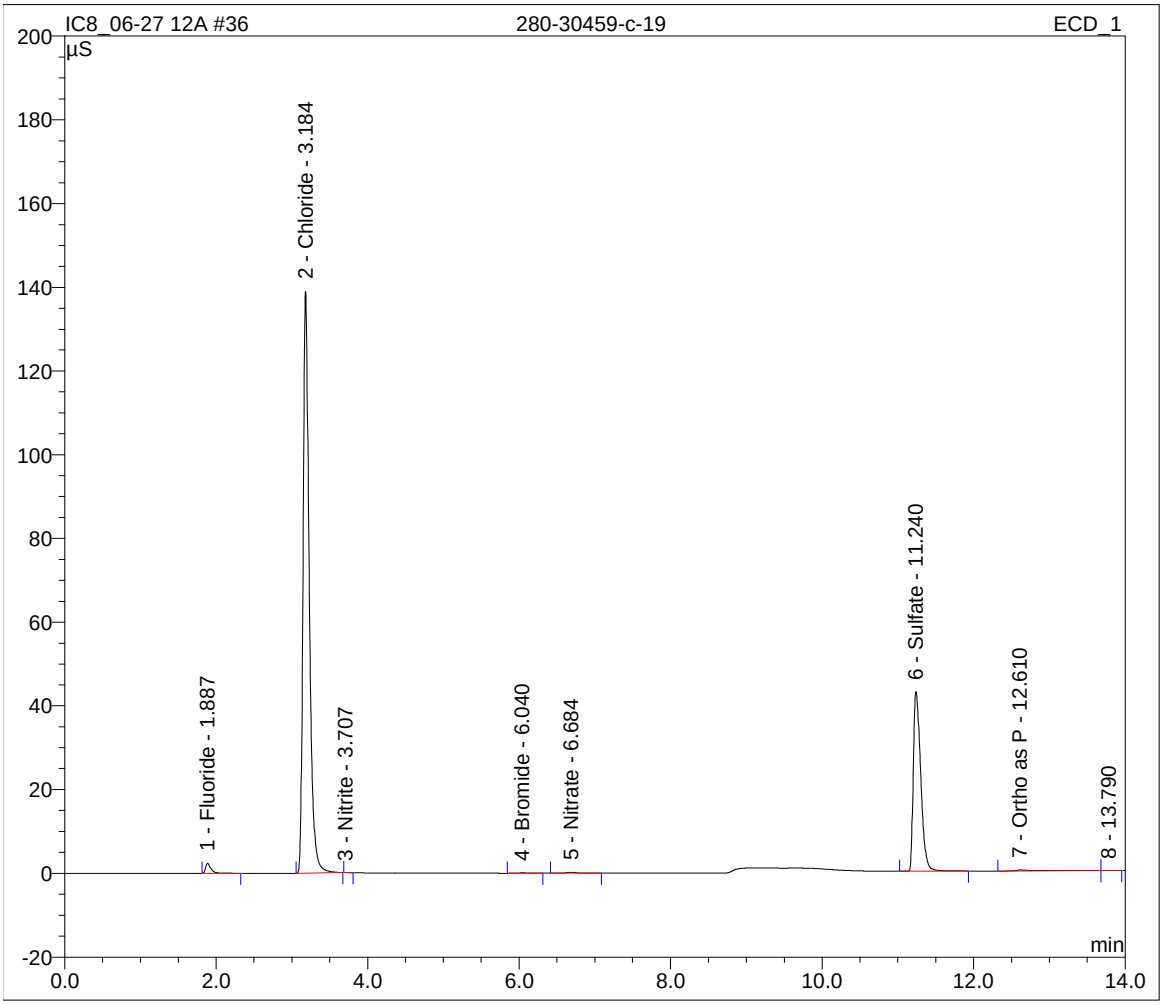
Sample Name:	**280-30459-a-18**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 22:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.201	2.394	0.8144
2	3.18	Chloride	BMb	12.693	134.492	89.9705
3	3.72	Nitrite	bMB	0.003	0.041	0.0166
4	6.04	Bromide	BMB	0.012	0.088	0.2347
5	6.68	Nitrate	BMB	0.072	0.464	0.2218
6	11.24	Sulfate	BMB	4.459	40.218	38.8908
7	12.61	Ortho as P	BMB	0.110	0.303	-0.1654
TOTAL:				17.55	178.00	129.98



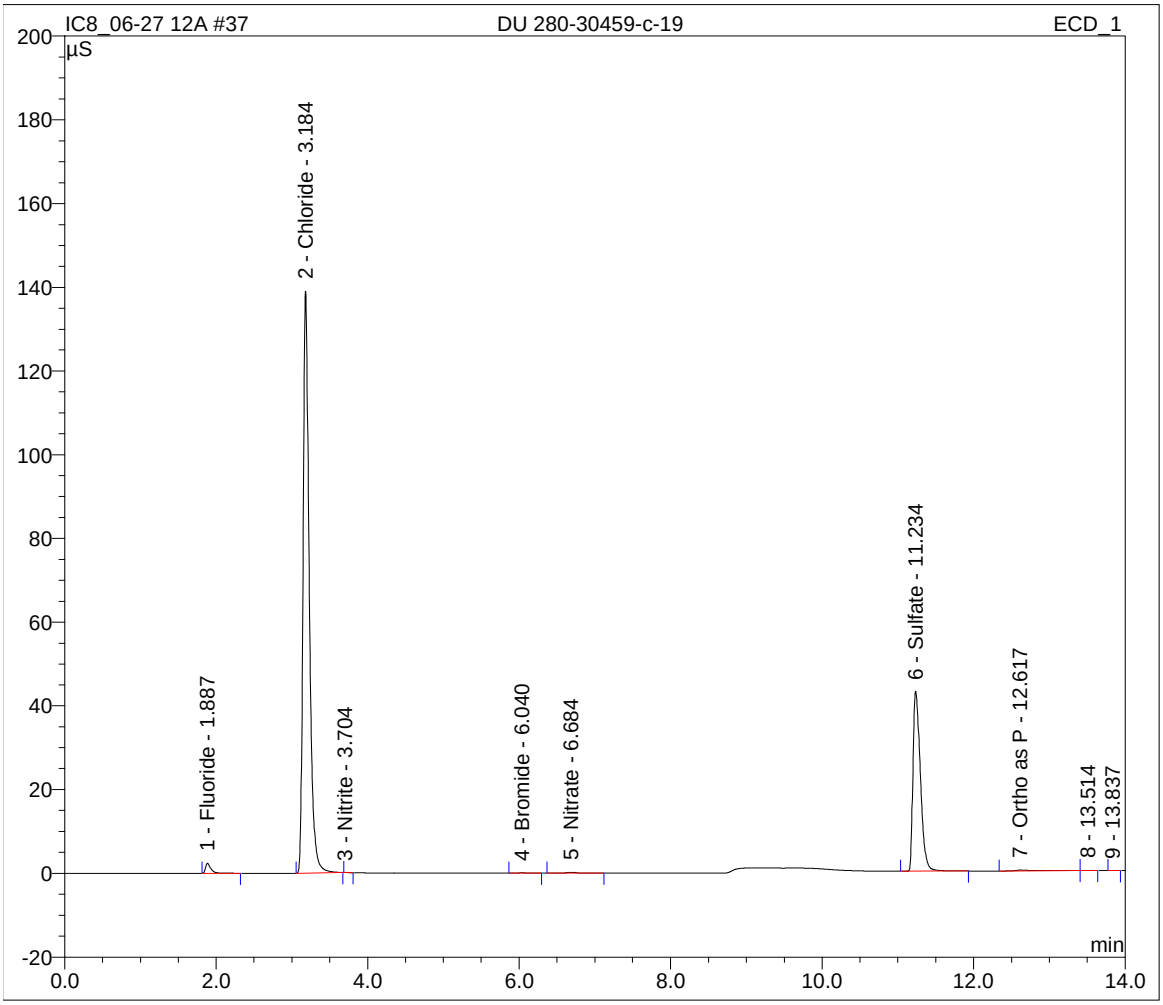
Sample Name:	**280-30459-c-19**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 22:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.202	2.396	0.8166
2	3.18	Chloride	BMB	13.145	138.986	93.1724
3	3.71	Nitrite	BMB	0.001	0.011	0.0100
4	6.04	Bromide	BMB	0.012	0.089	0.2385
5	6.68	Nitrate	BMB	0.034	0.214	0.1165
6	11.24	Sulfate	BMB	4.895	42.883	42.7133
7	12.61	Ortho as P	BMB	0.105	0.272	-0.1897
TOTAL:				18.39	184.85	136.88



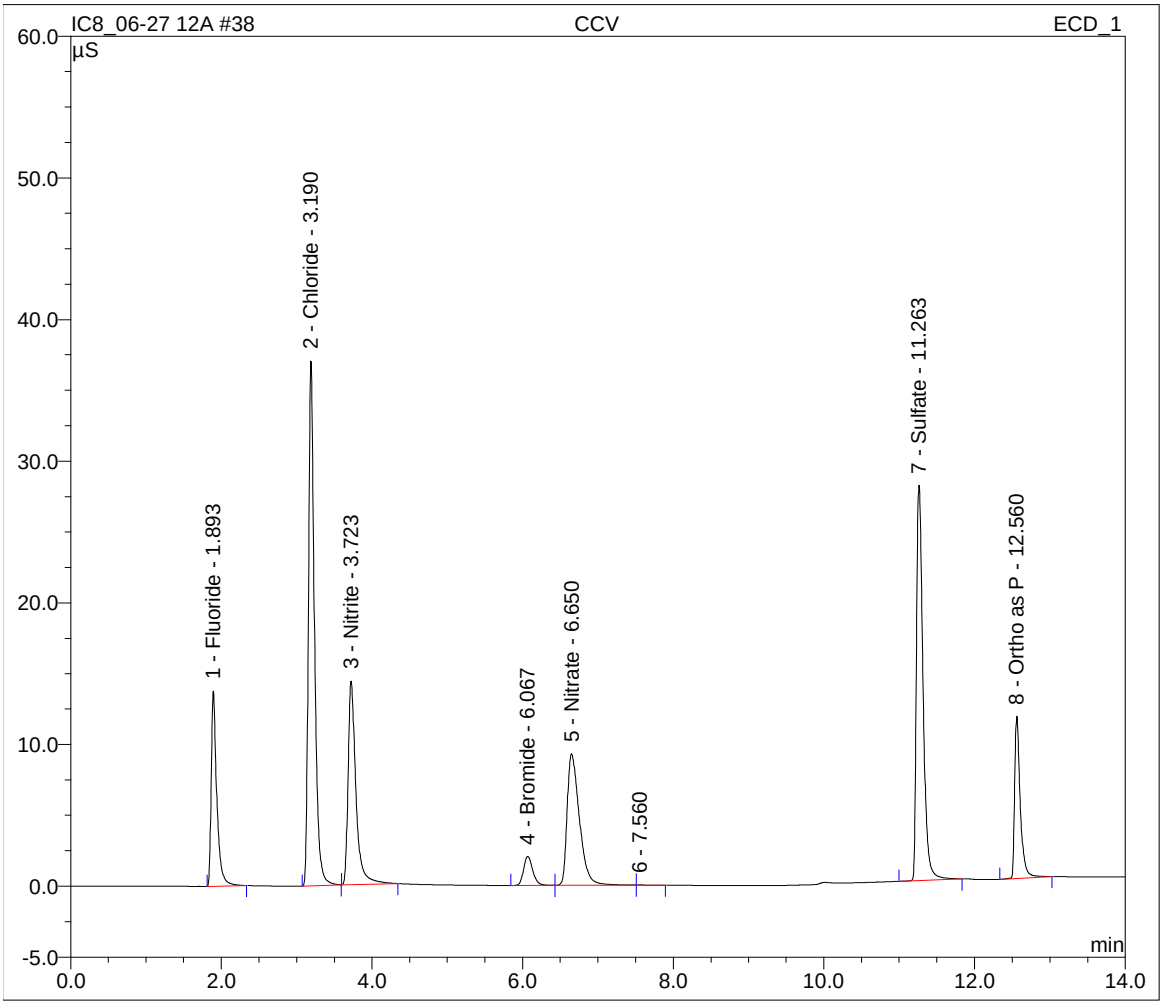
Sample Name:	**DU 280-30459-c-19**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 22:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.202	2.398	0.8173
2	3.18	Chloride	BMB	13.155	139.079	93.2433
3	3.70	Nitrite	BMB	0.001	0.009	0.0100
4	6.04	Bromide	BMB	0.012	0.089	0.2355
5	6.68	Nitrate	BMB	0.033	0.212	0.1164
6	11.23	Sulfate	BMB	4.893	42.924	42.7034
7	12.62	Ortho as P	BMB	0.077	0.237	-0.3304
TOTAL:				18.37	184.95	136.80



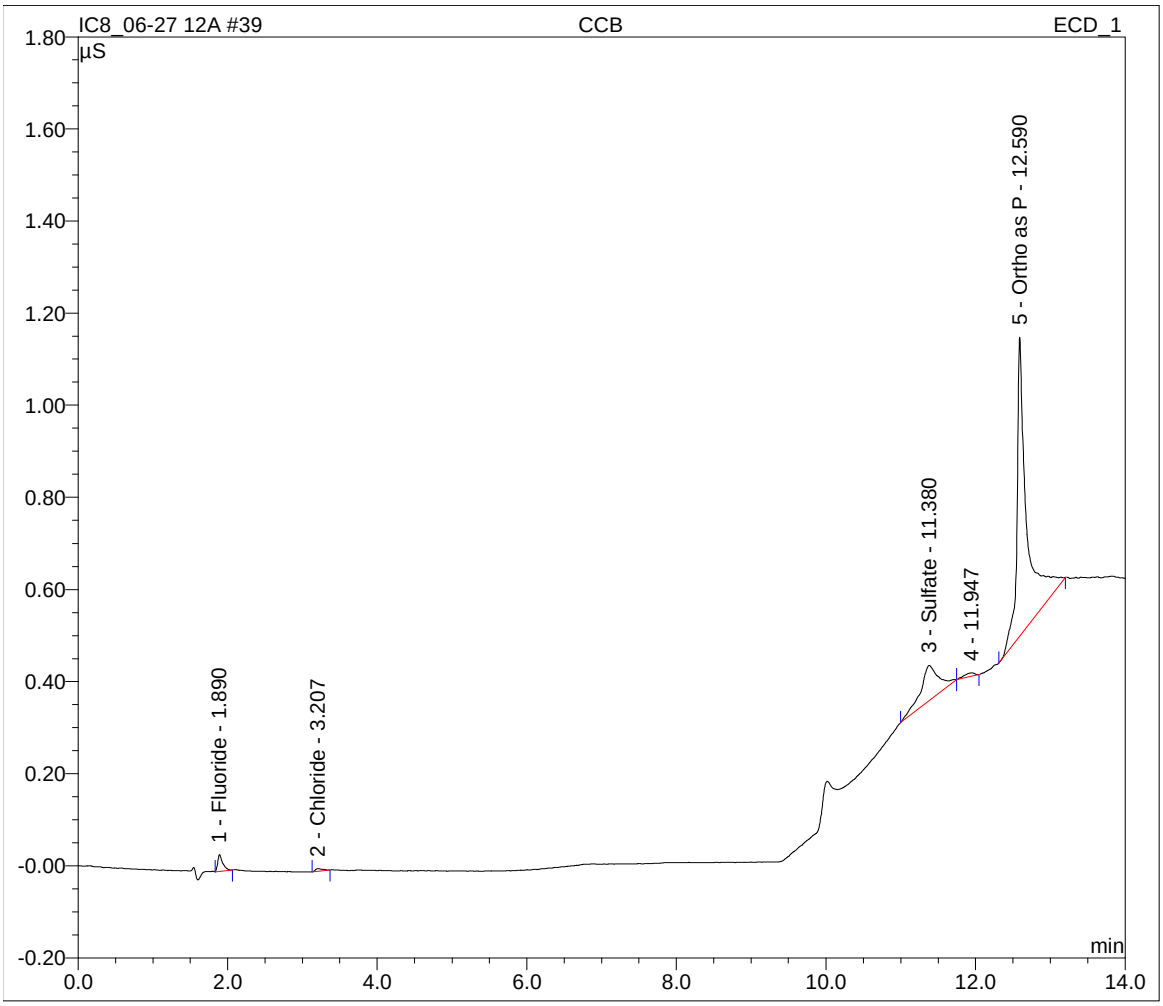
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 22:54**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.186	13.786	4.9466
2	3.19	Chloride	BMB	3.448	37.038	24.4506
3	3.72	Nitrite	BMB	1.735	14.356	4.8774
4	6.07	Bromide	BMB	0.288	2.050	4.7945
5	6.65	Nitrate	BMb	1.741	9.271	4.7604
7	11.26	Sulfate	BMB	2.818	27.892	24.5078
8	12.56	Ortho as P	BMB	0.991	11.433	4.3426
		TOTAL:		12.21	115.83	72.68



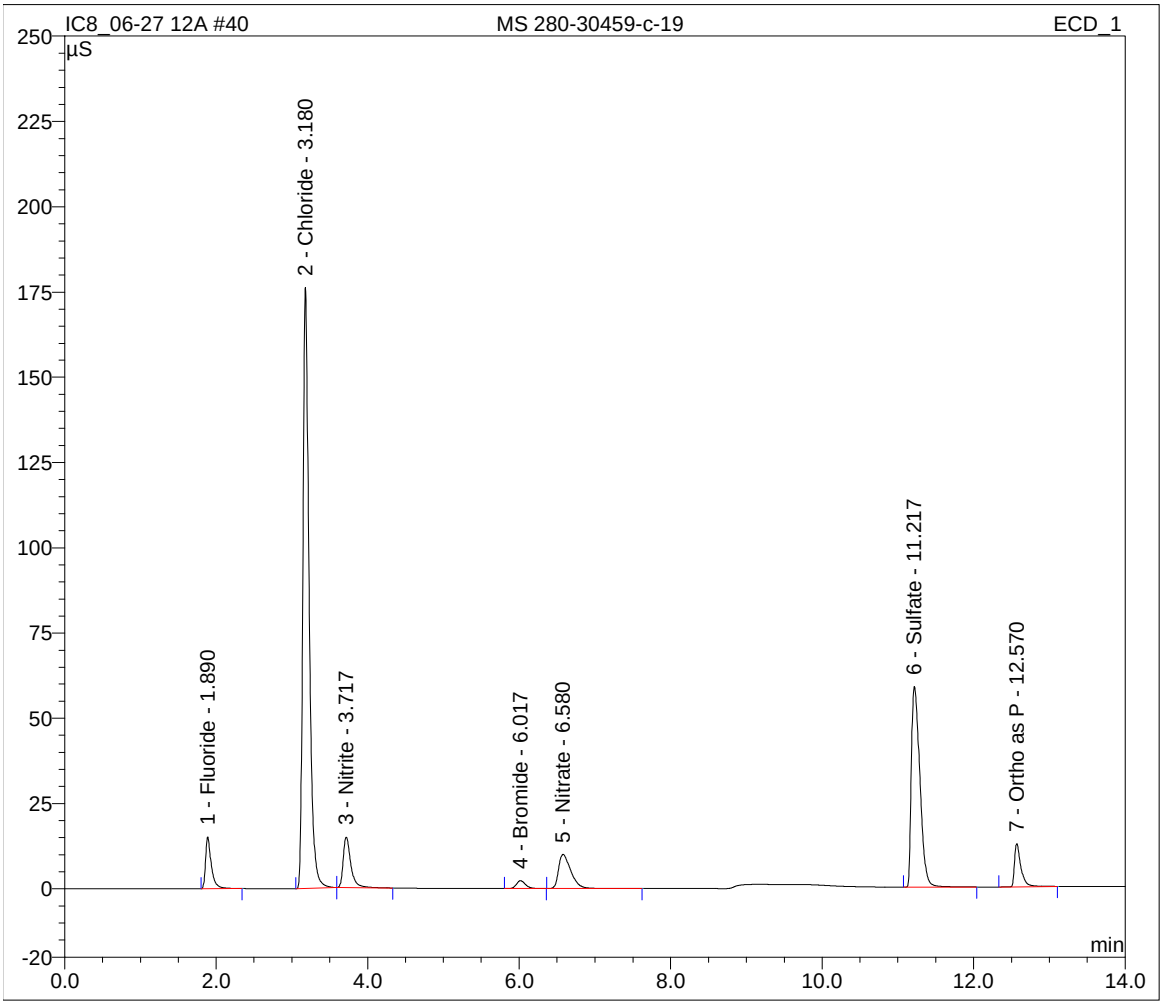
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 23:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.003	0.036	-0.0185
2	3.21	Chloride	BMB	0.001	0.006	0.0211
3	11.38	Sulfate	BMB	0.021	0.077	-0.0179
5	12.59	Ortho as P	BMB	0.101	0.649	-0.2124
TOTAL:				0.13	0.77	-0.23



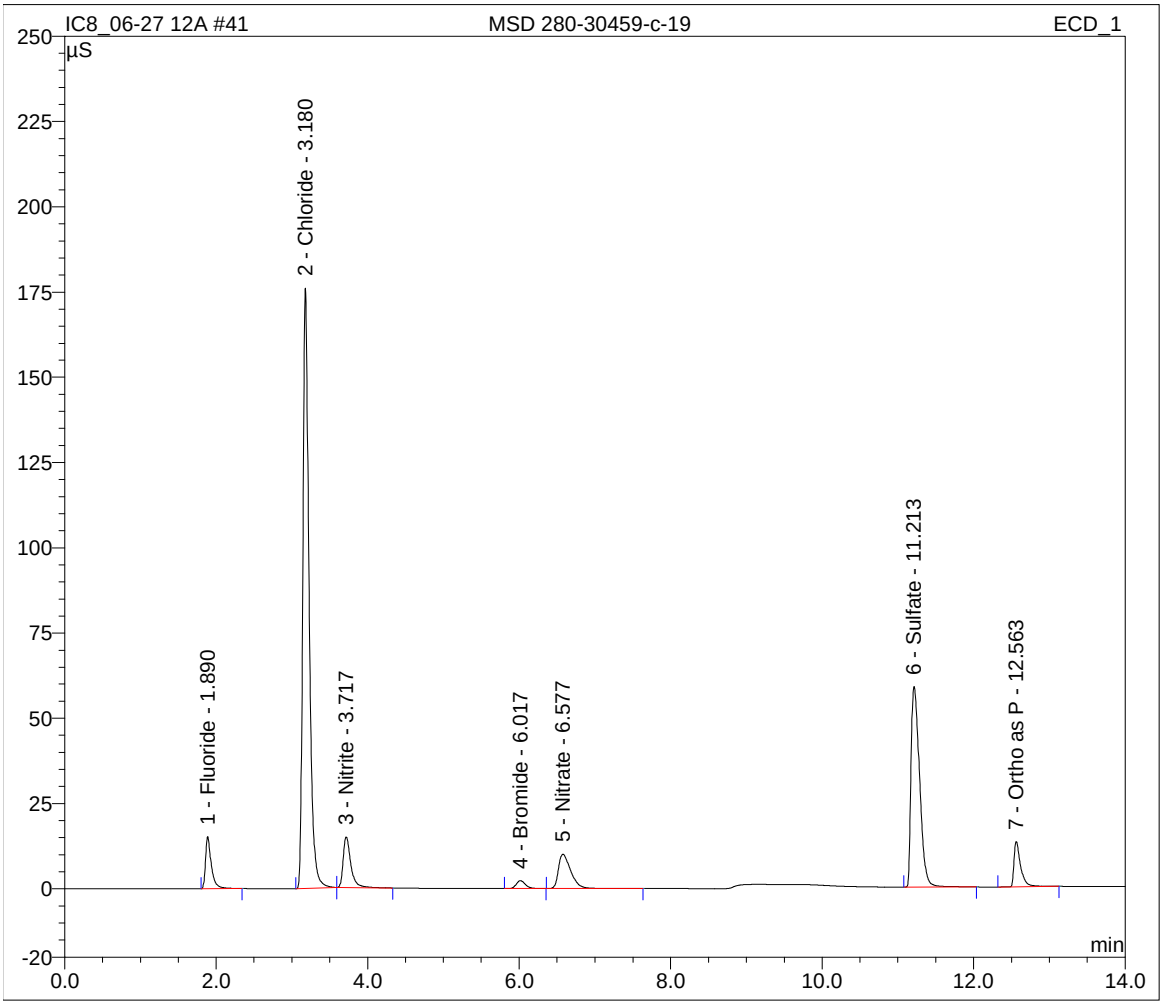
Sample Name:	**MS 280-30459-c-19**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 23:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.364	15.209	5.6951
2	3.18	Chloride	BMb	16.697	176.259	118.3434
3	3.72	Nitrite	bMB	1.742	14.777	4.8991
4	6.02	Bromide	BMB	0.321	2.302	5.3386
5	6.58	Nitrate	BMB	1.874	10.021	5.1238
6	11.22	Sulfate	BMB	7.690	58.749	67.2229
7	12.57	Ortho as P	BMB	1.237	12.629	5.6019
TOTAL:				30.93	289.94	212.22



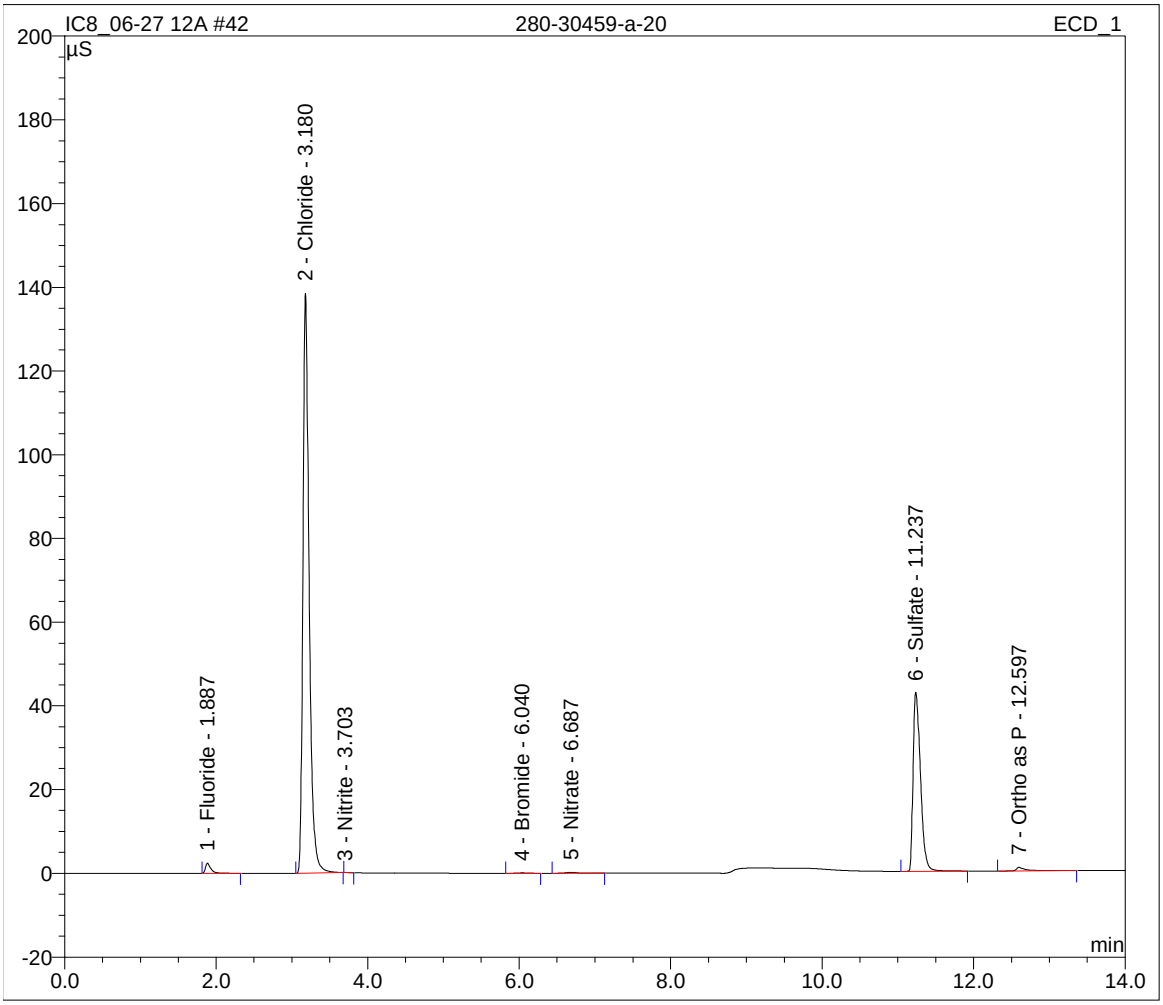
Sample Name:	**MSD 280-30459-c-19**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**27.06.12 23:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.378	15.282	5.7524
2	3.18	Chloride	BMb	16.713	176.028	118.4590
3	3.72	Nitrite	bMB	1.747	14.814	4.9128
4	6.02	Bromide	BMB	0.323	2.317	5.3718
5	6.58	Nitrate	BMB	1.888	10.076	5.1629
6	11.21	Sulfate	BMB	7.724	58.745	67.5199
7	12.56	Ortho as P	BMB	1.339	13.238	6.1258
TOTAL:				31.11	290.50	213.30



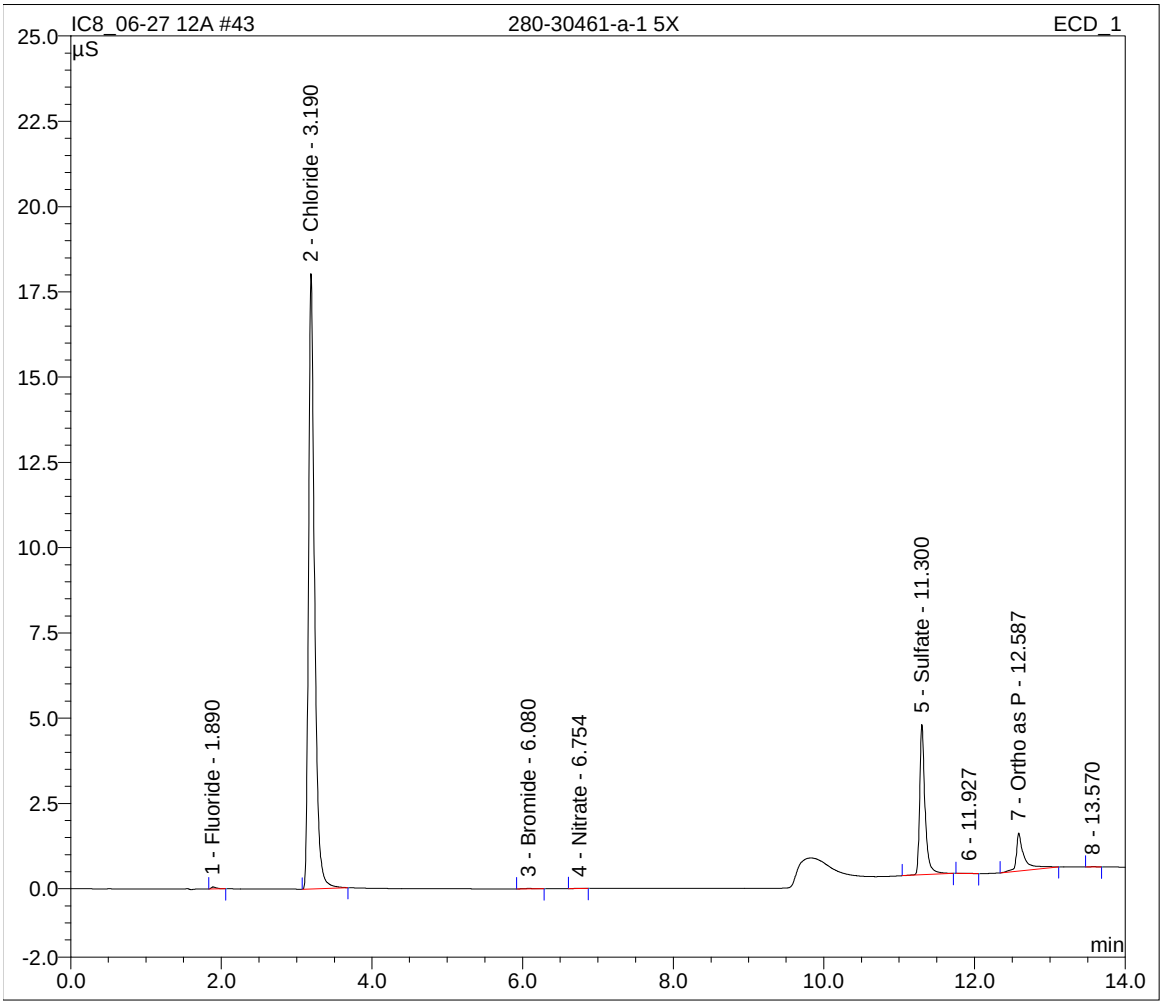
Sample Name:	**280-30459-a-20**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 00:01**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.206	2.439	0.8330
2	3.18	Chloride	BMB	13.125	138.545	93.0314
3	3.70	Nitrite	BMB	0.001	0.011	0.0103
4	6.04	Bromide	BMB	0.012	0.089	0.2373
5	6.69	Nitrate	BMB	0.034	0.215	0.1182
6	11.24	Sulfate	BMB	4.841	42.717	42.2392
7	12.60	Ortho as P	BMB	0.153	0.898	0.0557
TOTAL:				18.37	184.91	136.53



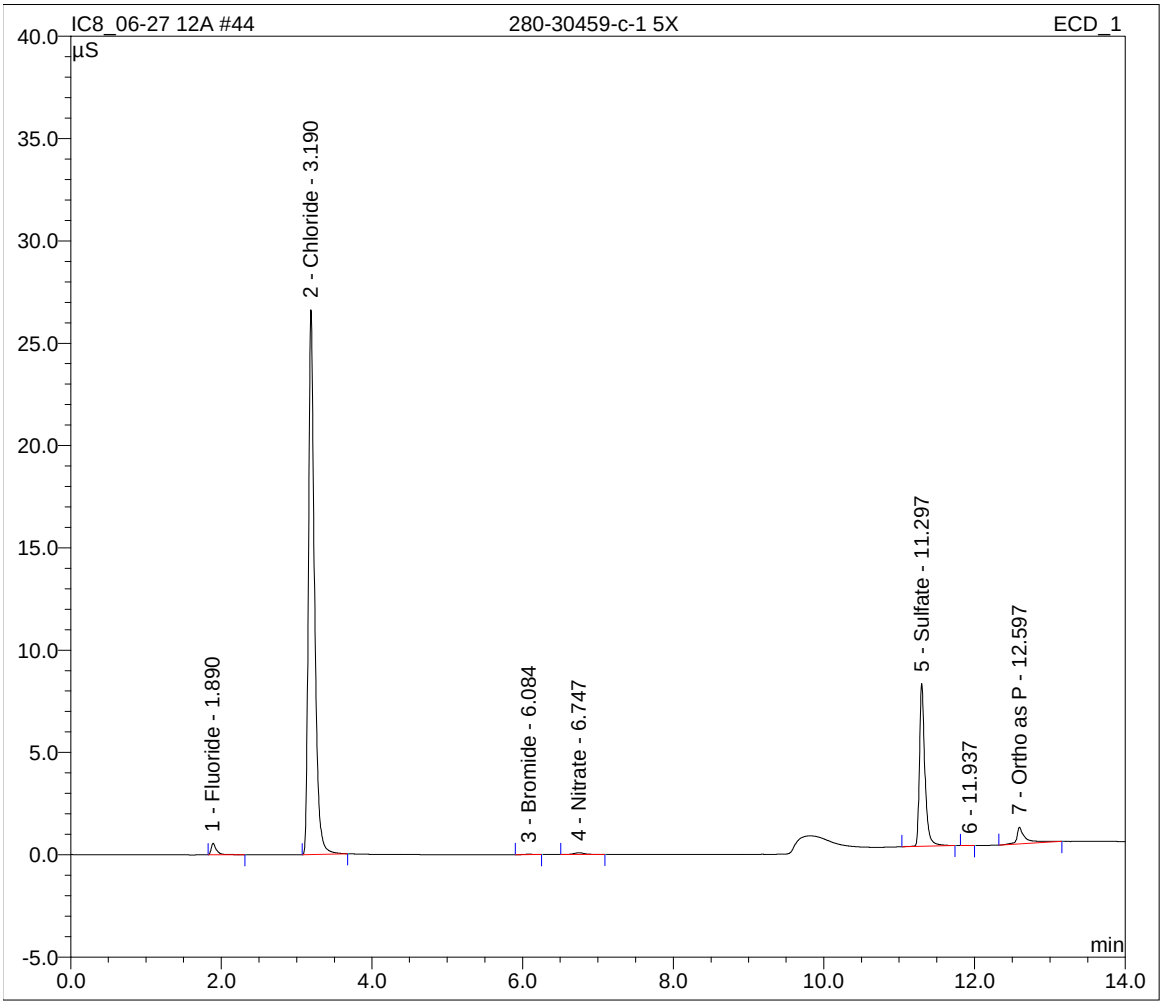
Sample Name:	**280-30461-a-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 00:18**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.005	0.059	-0.0539
2	3.19	Chloride	BMB	1.680	18.041	59.5973
3	6.08	Bromide	BMB	0.002	0.011	0.3015
4	6.75	Nitrate	BMB	0.001	0.004	0.1334
5	11.30	Sulfate	BMB	0.366	4.401	15.0420
7	12.59	Ortho as P	BMB	0.135	1.110	-0.1760
		TOTAL:		2.19	23.63	74.84



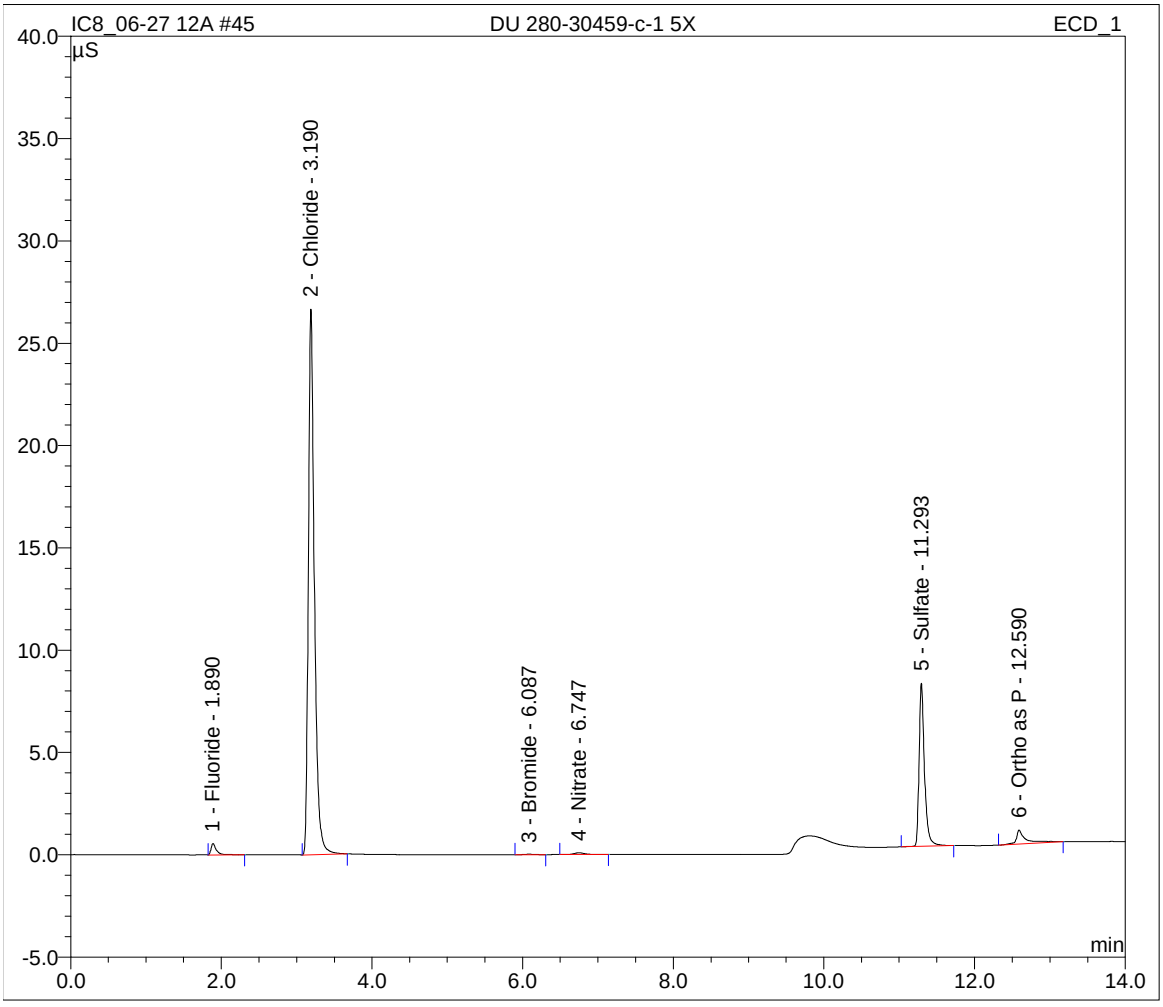
Sample Name:	**280-30459-c-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 00:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.047	0.563	0.8293
2	3.19	Chloride	BMB	2.483	26.637	88.0724
3	6.08	Bromide	BMB	0.003	0.022	0.4157
4	6.75	Nitrate	BMB	0.014	0.084	0.3140
5	11.30	Sulfate	BMB	0.669	7.946	28.2994
7	12.60	Ortho as P	BMB	0.110	0.815	-0.8204
		TOTAL:		3.33	36.07	117.11



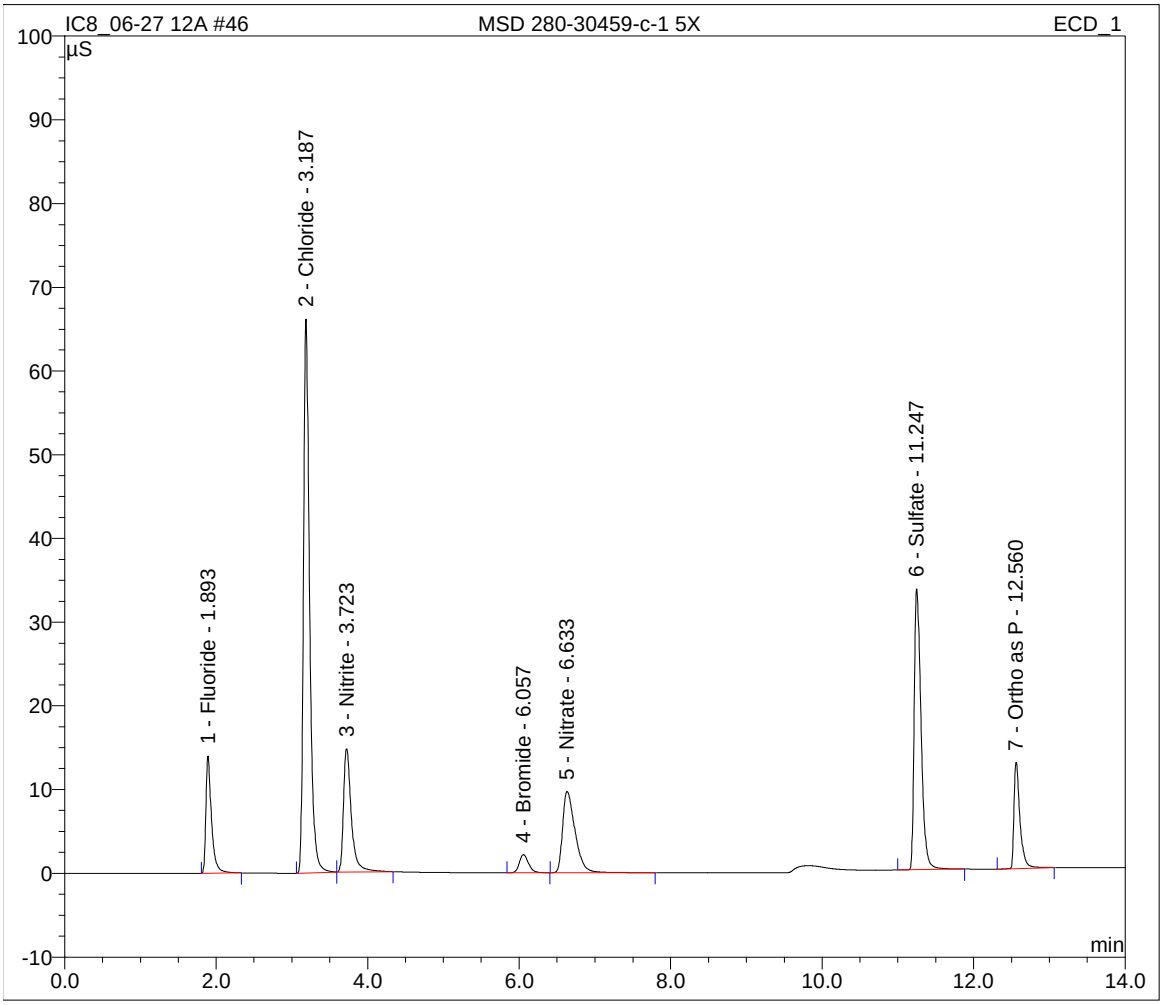
Sample Name:	**DU 280-30459-c-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 00:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.046	0.559	0.8192
2	3.19	Chloride	BMB	2.485	26.670	88.1313
3	6.09	Bromide	BMB	0.003	0.022	0.4257
4	6.75	Nitrate	BMB	0.014	0.084	0.3134
5	11.29	Sulfate	BMB	0.668	7.971	28.2792
6	12.59	Ortho as P	BMB	0.099	0.683	-1.1116
		TOTAL:		3.31	35.99	116.86



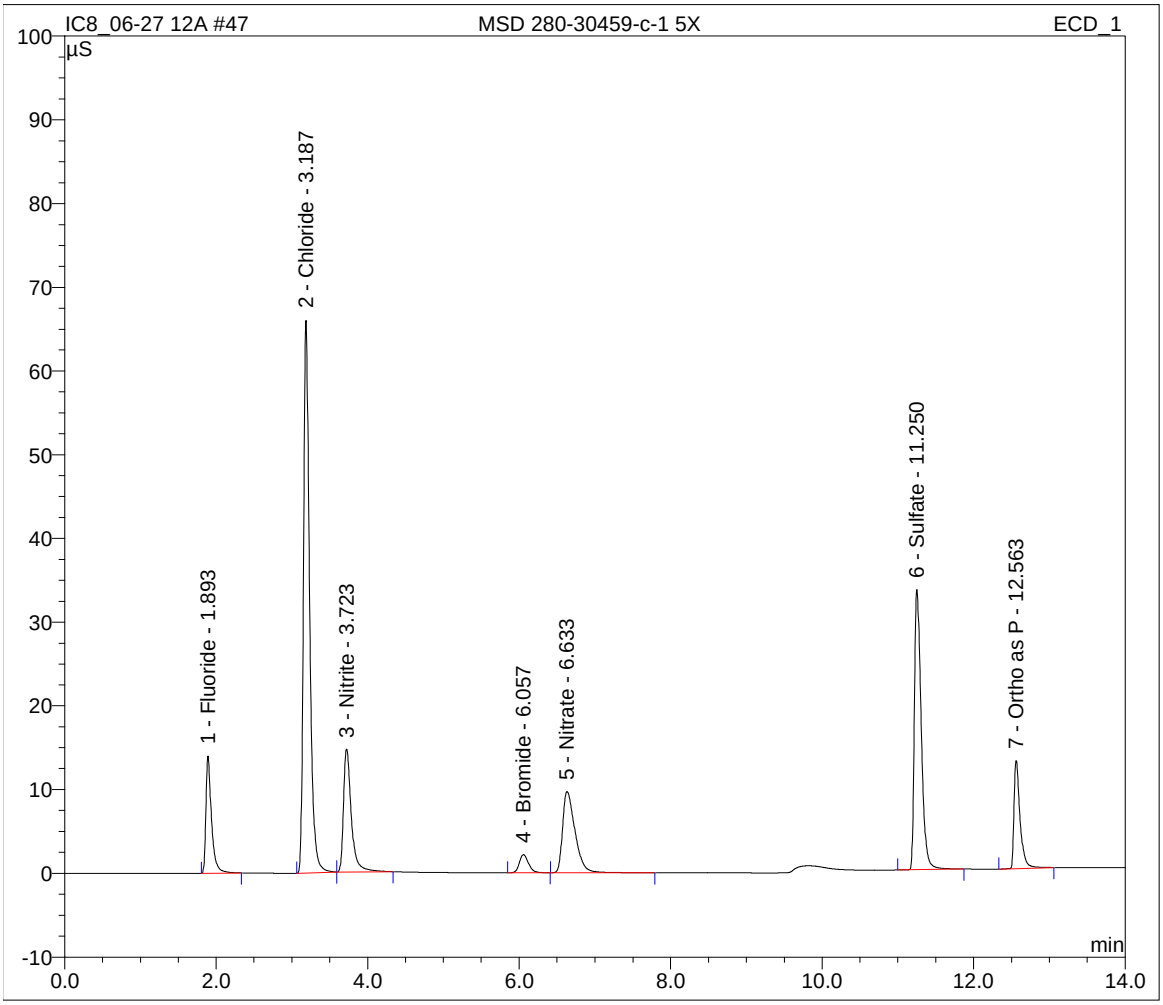
Sample Name:	**MSD 280-30459-c-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 01:09**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.215	14.024	25.3439
2	3.19	Chloride	BMB	6.203	66.170	219.8731
3	3.72	Nitrite	BMB	1.767	14.698	24.8412
4	6.06	Bromide	BMB	0.307	2.168	25.5485
5	6.63	Nitrate	BMB	1.851	9.686	25.3040
6	11.25	Sulfate	BMB	3.544	33.553	154.3536
7	12.56	Ortho as P	BMB	1.160	12.691	26.0320
TOTAL:				16.05	152.99	501.30



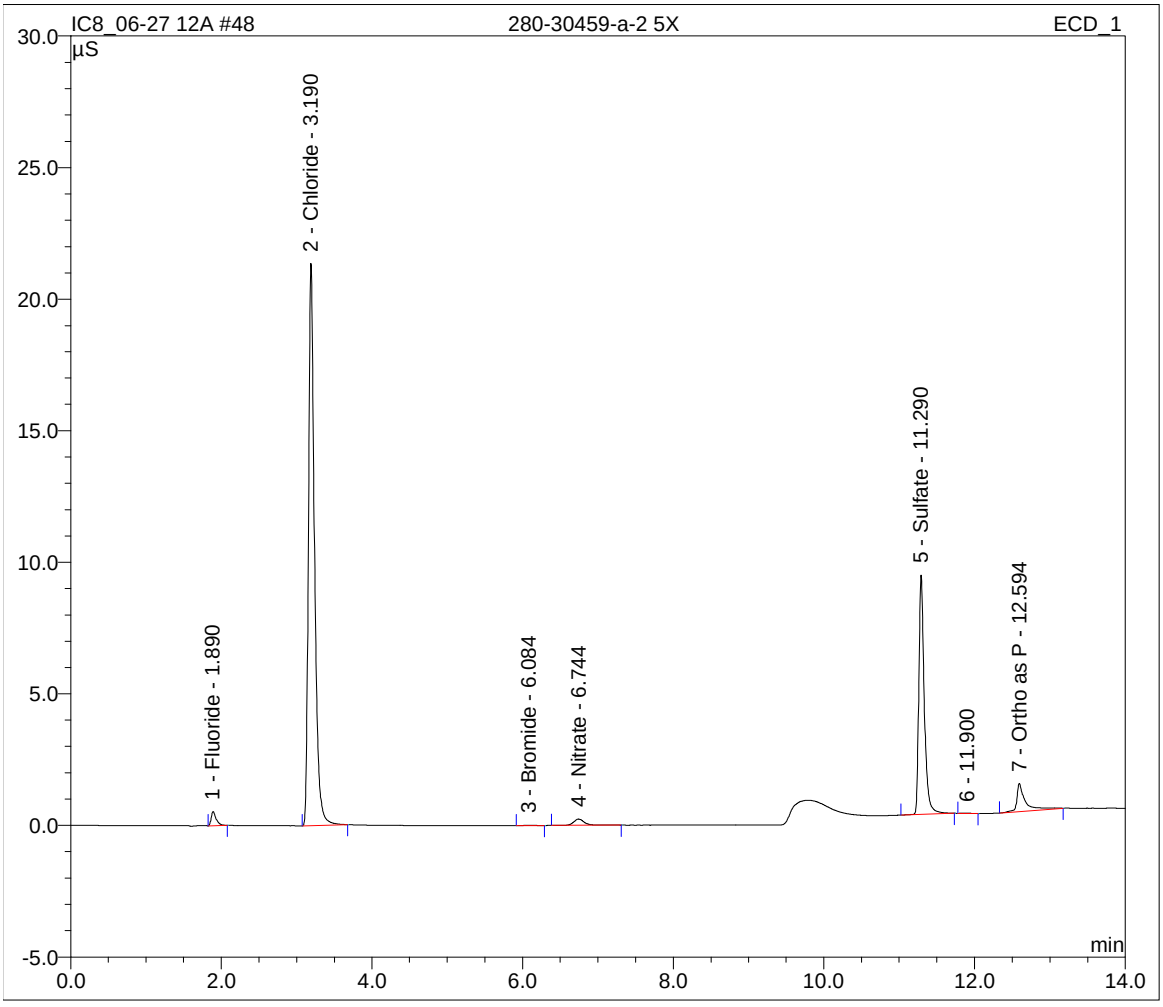
Sample Name:	**MSD 280-30459-c-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 01:25**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.213	14.006	25.3045
2	3.19	Chloride	BMB	6.184	66.036	219.2205
3	3.72	Nitrite	BMB	1.757	14.632	24.7022
4	6.06	Bromide	BMB	0.306	2.170	25.4525
5	6.63	Nitrate	BMB	1.841	9.687	25.1672
6	11.25	Sulfate	BMB	3.526	33.466	153.5595
7	12.56	Ortho as P	BMB	1.188	12.871	26.7524
TOTAL:				16.01	152.87	500.16



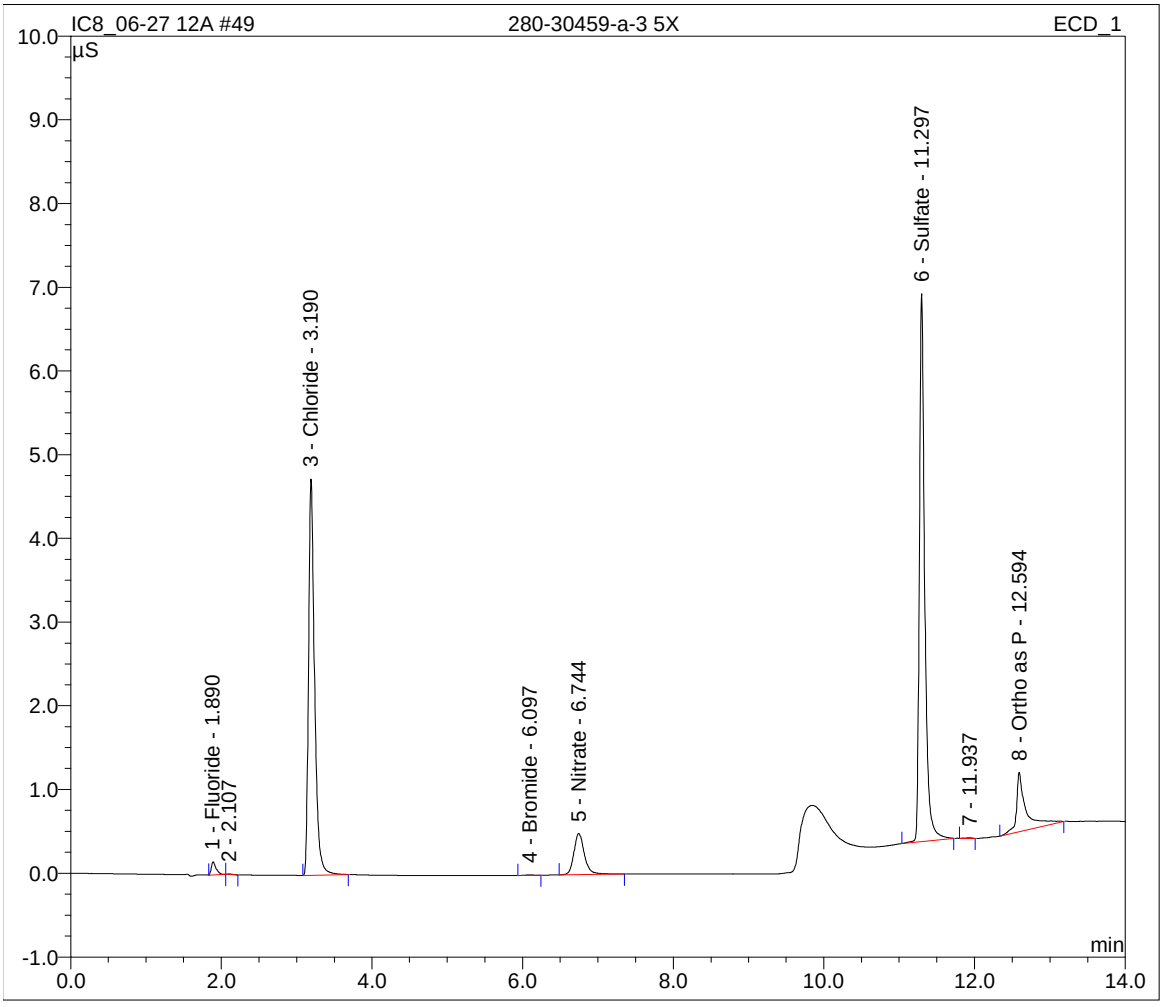
Sample Name:	**280-30459-a-2 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 01:42**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.041	0.542	0.7180
2	3.19	Chloride	BMB	1.990	21.373	70.5817
3	6.08	Bromide	BMB	0.002	0.013	0.3277
4	6.74	Nitrate	BMB	0.040	0.239	0.6640
5	11.29	Sulfate	BMB	0.770	9.099	32.7416
7	12.59	Ortho as P	BMB	0.140	1.069	-0.0536
		TOTAL:		2.98	32.34	104.98



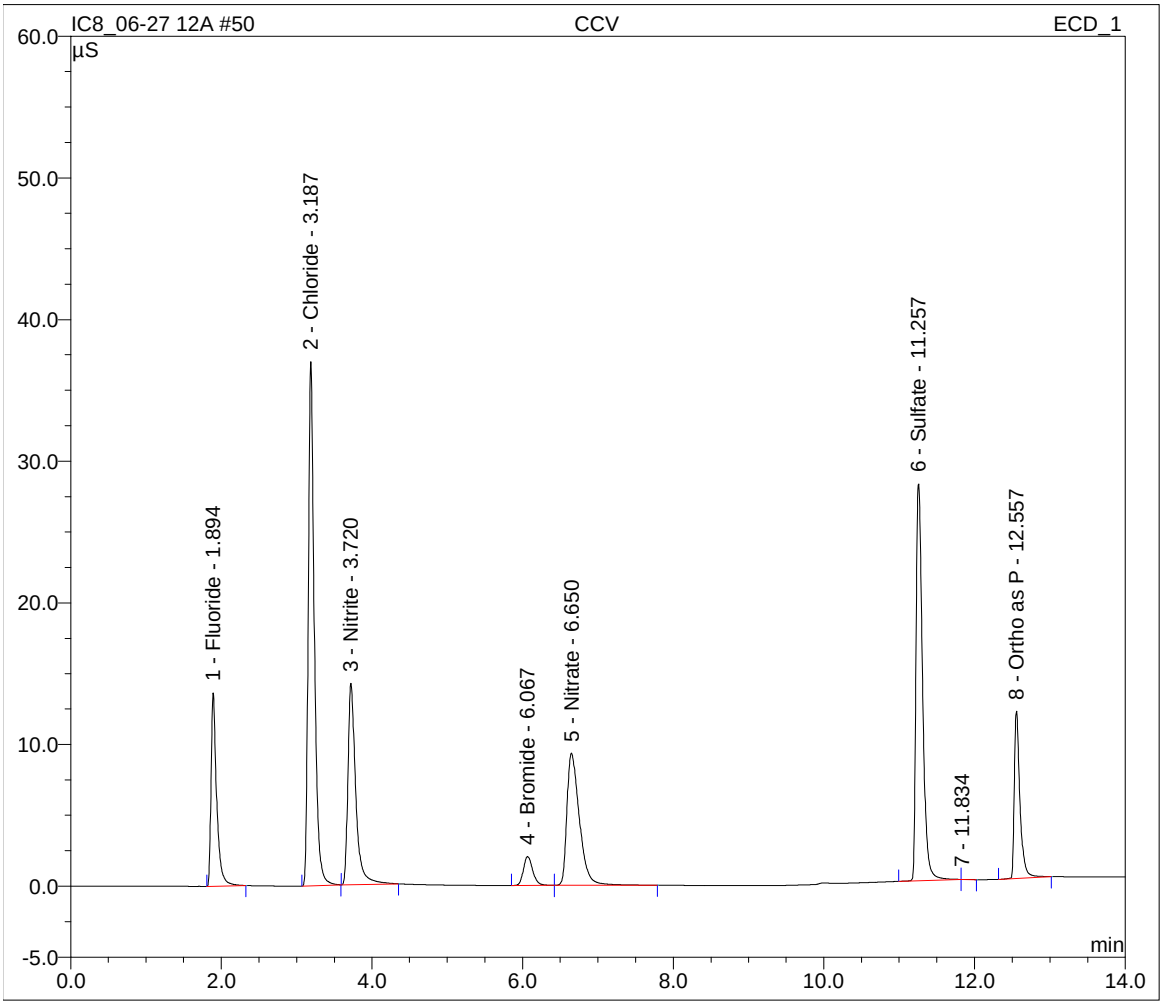
Sample Name:	**280-30459-a-3 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 01:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMb	0.012	0.157	0.0958
3	3.19	Chloride	BMB	0.441	4.733	15.7050
4	6.10	Bromide	BMB	0.001	0.006	0.2345
5	6.74	Nitrate	BMB	0.080	0.491	1.2093
6	11.30	Sulfate	BMB	0.549	6.545	23.0429
8	12.59	Ortho as P	BMB	0.105	0.709	-0.9589
		TOTAL:		1.19	12.64	39.33



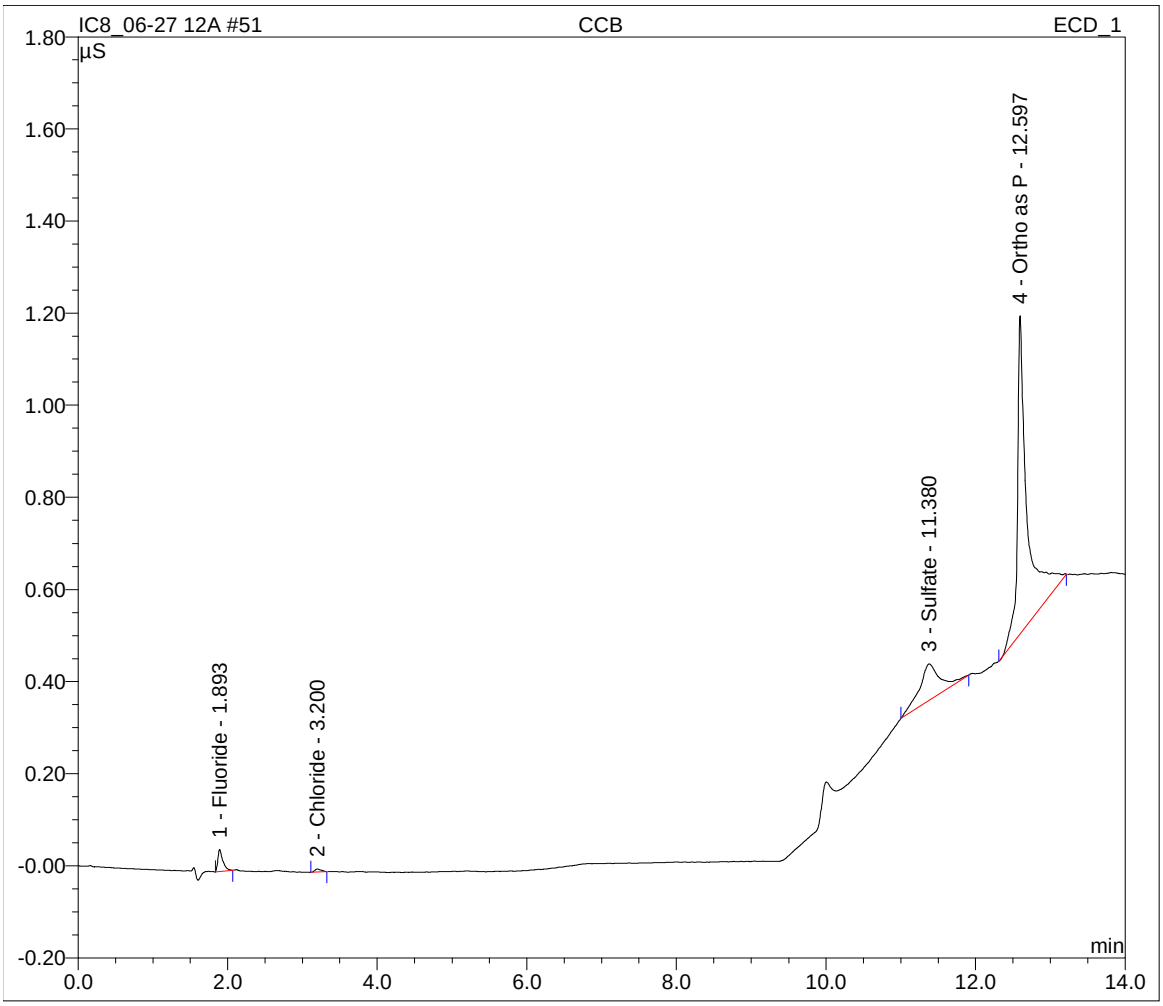
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 02:16**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.178	13.642	4.9134
2	3.19	Chloride	BMB	3.463	36.985	24.5579
3	3.72	Nitrite	BMB	1.718	14.191	4.8308
4	6.07	Bromide	BMB	0.291	2.039	4.8336
5	6.65	Nitrate	bMB	1.785	9.316	4.8807
6	11.26	Sulfate	BMb	2.811	28.003	24.4437
8	12.56	Ortho as P	BMB	1.024	11.800	4.5150
		TOTAL:		12.27	115.98	72.97



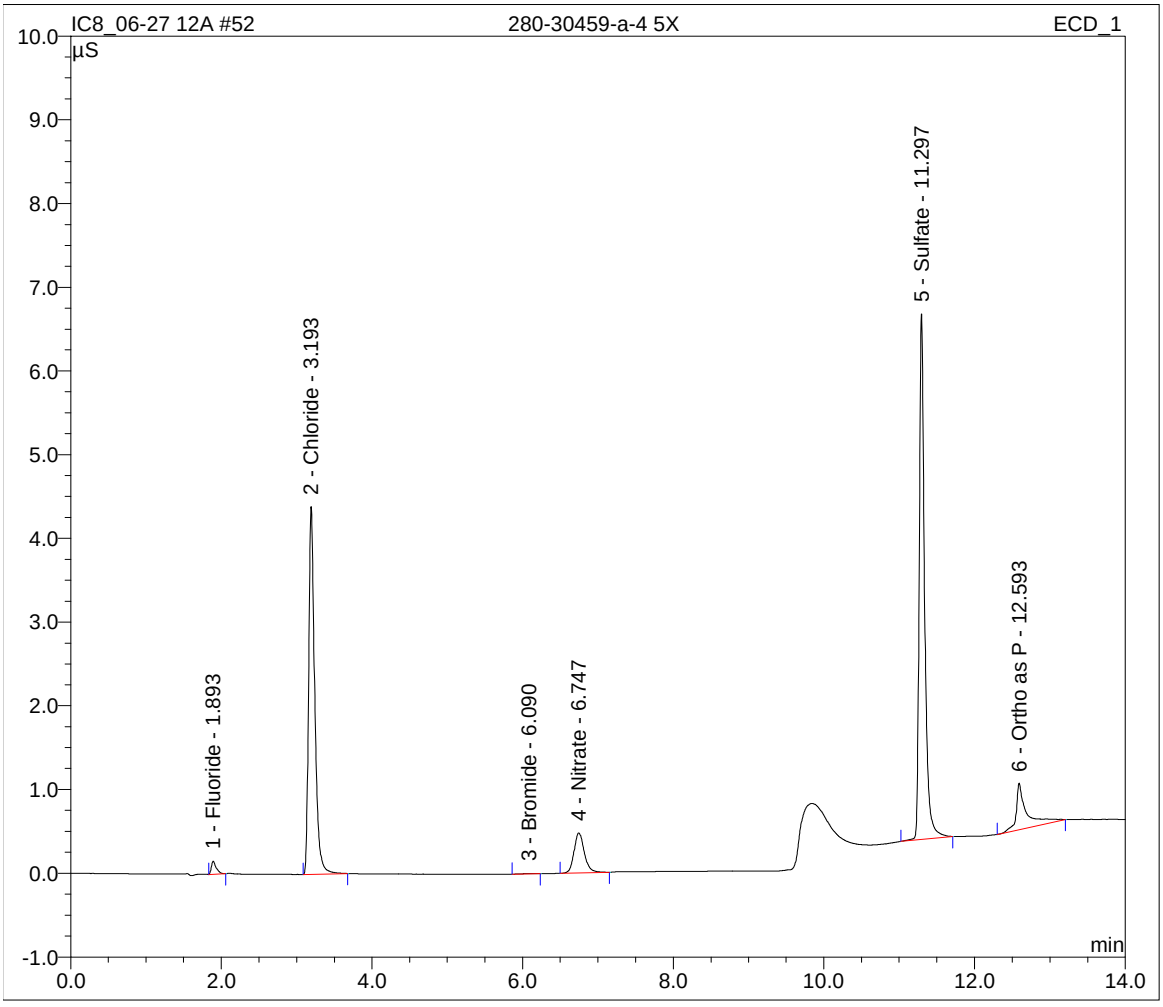
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 02:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.004	0.048	-0.0147
2	3.20	Chloride	BMB	0.001	0.007	0.0210
3	11.38	Sulfate	BMB	0.024	0.079	0.0102
4	12.60	Ortho as P	BMB	0.106	0.691	-0.1844
TOTAL:				0.13	0.82	-0.17



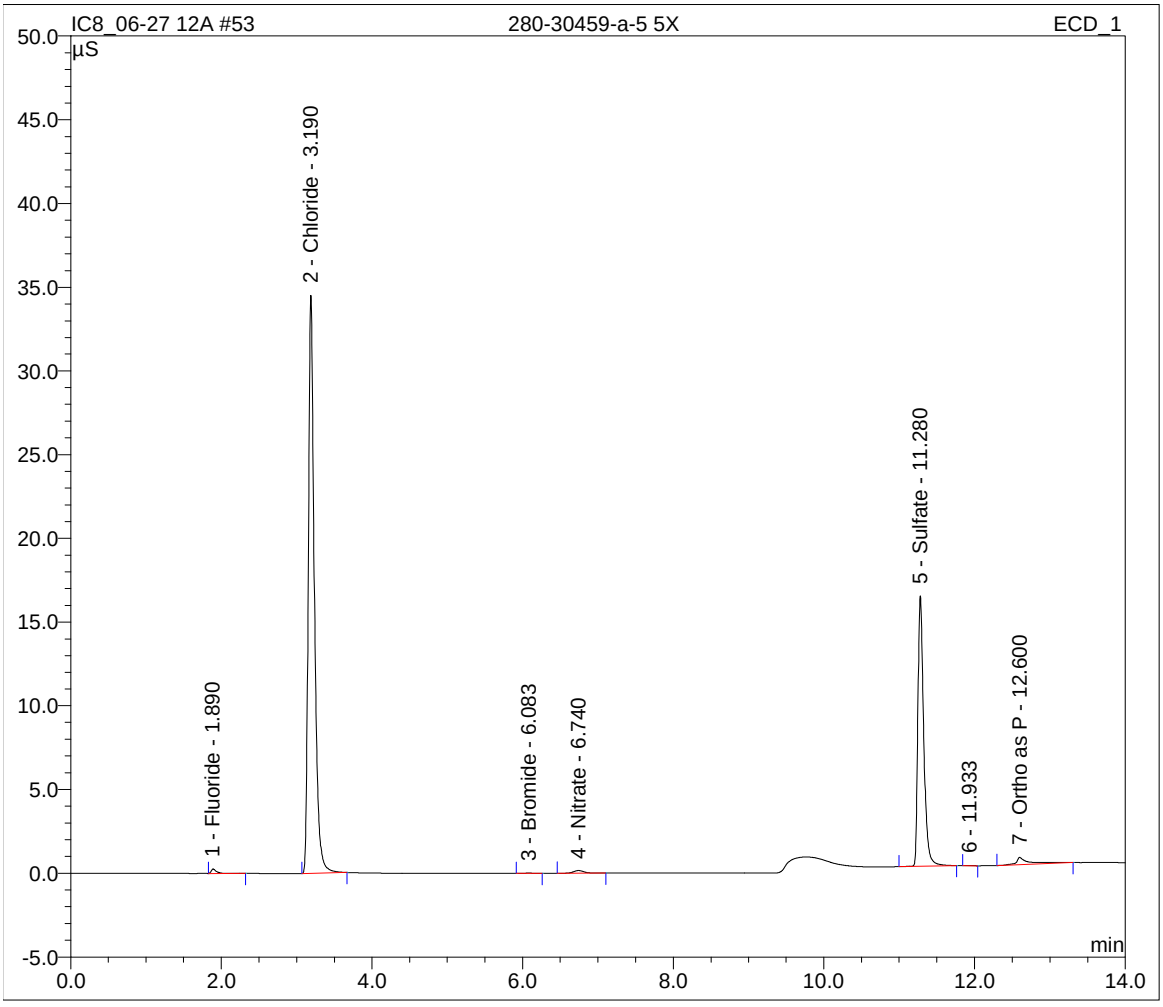
Sample Name:	**280-30459-a-4 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 02:49**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.012	0.156	0.0968
2	3.19	Chloride	BMB	0.410	4.393	14.6083
3	6.09	Bromide	BMB	0.001	0.005	0.2423
4	6.75	Nitrate	BMB	0.076	0.477	1.1589
5	11.30	Sulfate	BMB	0.526	6.281	22.0526
6	12.59	Ortho as P	BMB	0.090	0.554	-1.3256
		TOTAL:		1.12	11.87	36.83



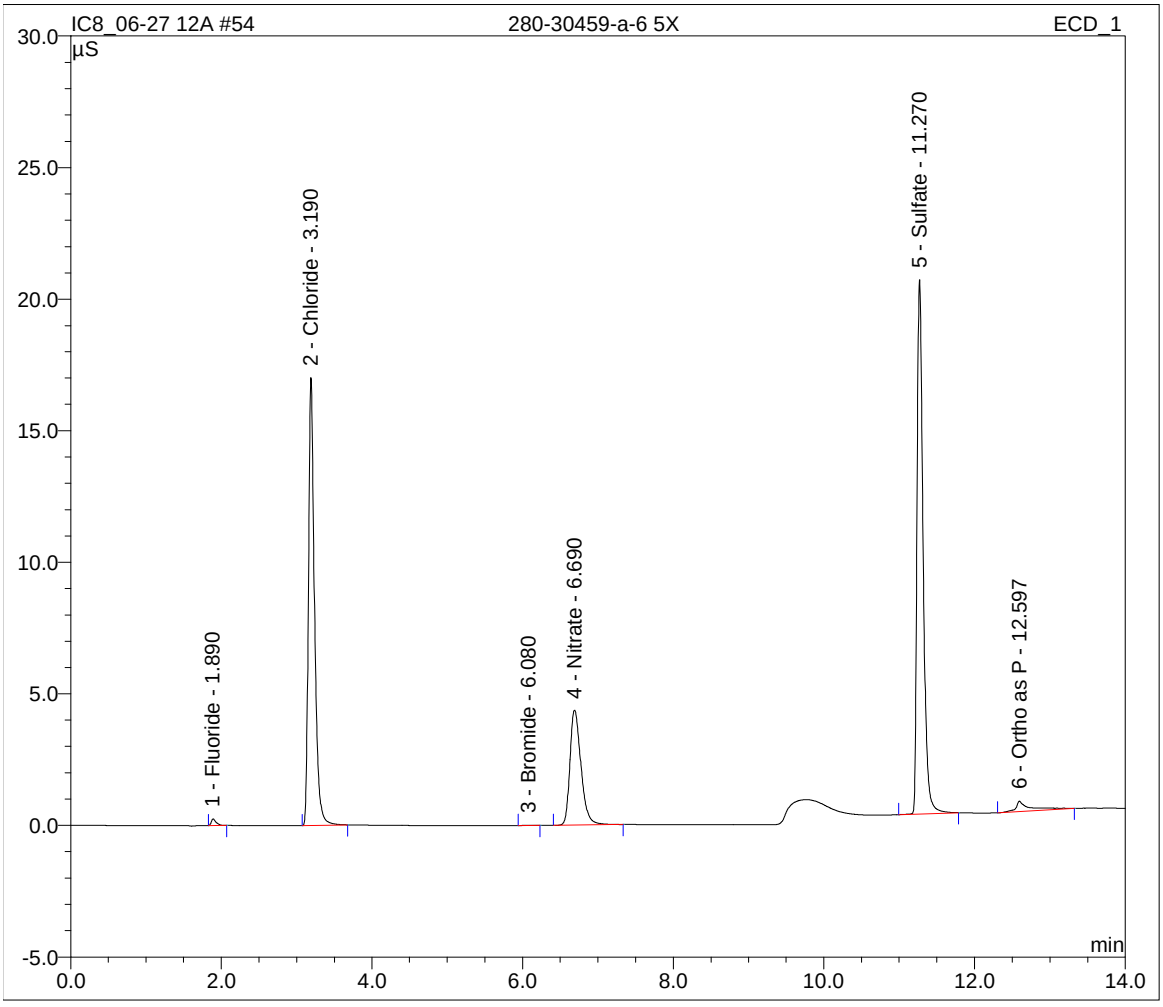
Sample Name:	**280-30459-a-5 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 03:06**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.023	0.272	0.3324
2	3.19	Chloride	BMB	3.227	34.532	114.4166
3	6.08	Bromide	BMB	0.002	0.016	0.3600
4	6.74	Nitrate	BMB	0.026	0.160	0.4823
5	11.28	Sulfate	BMB	1.453	16.151	62.6617
7	12.60	Ortho as P	BMB	0.087	0.433	-1.4059
		TOTAL:		4.82	51.56	176.85



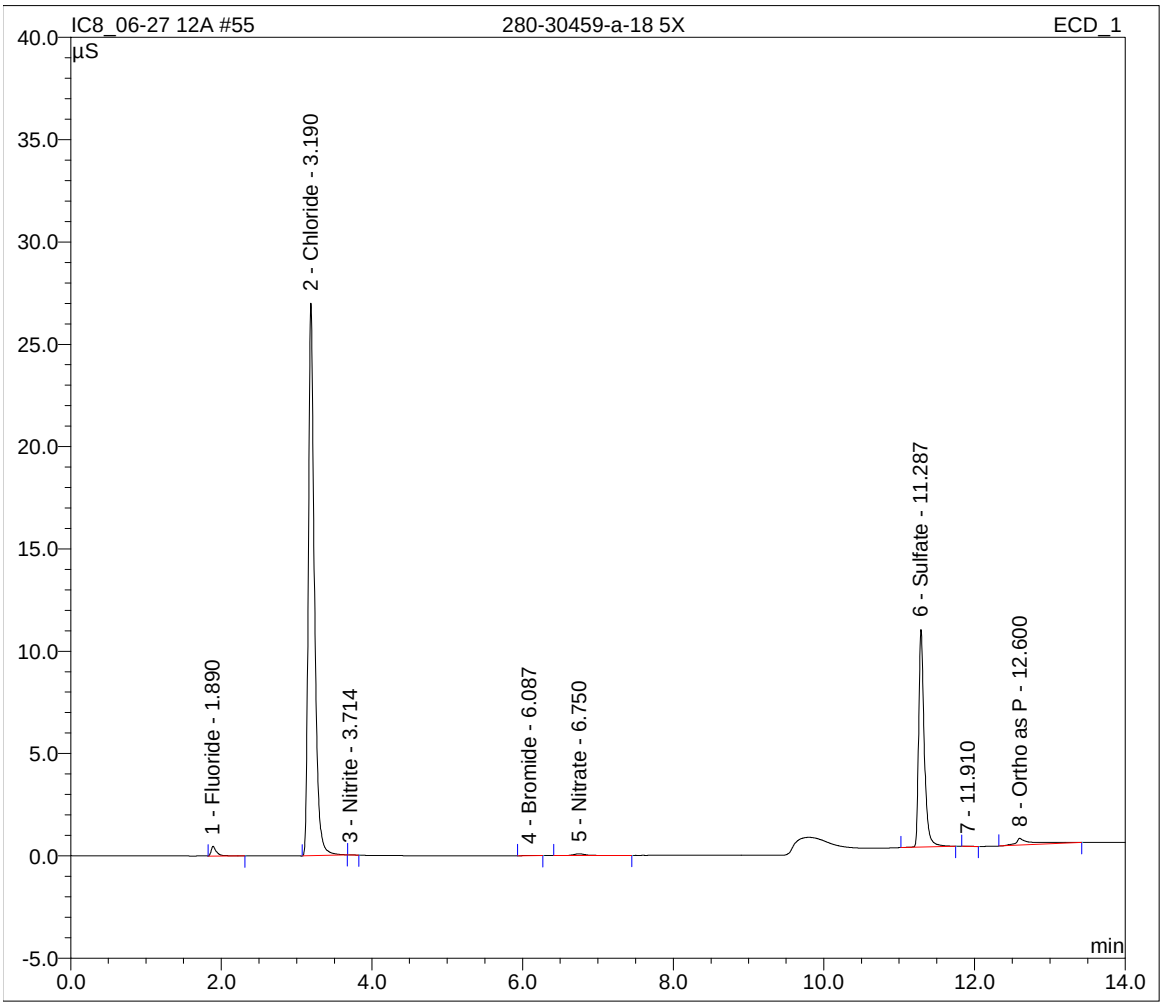
Sample Name:	**280-30459-a-6 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 03:23**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.020	0.258	0.2635
2	3.19	Chloride	BMB	1.585	17.019	56.2407
3	6.08	Bromide	BMB	0.002	0.012	0.3000
4	6.69	Nitrate	BMB	0.739	4.361	10.1728
5	11.27	Sulfate	BMB	1.900	20.309	82.2955
6	12.60	Ortho as P	BMB	0.085	0.394	-1.4553
		TOTAL:		4.33	42.35	147.82



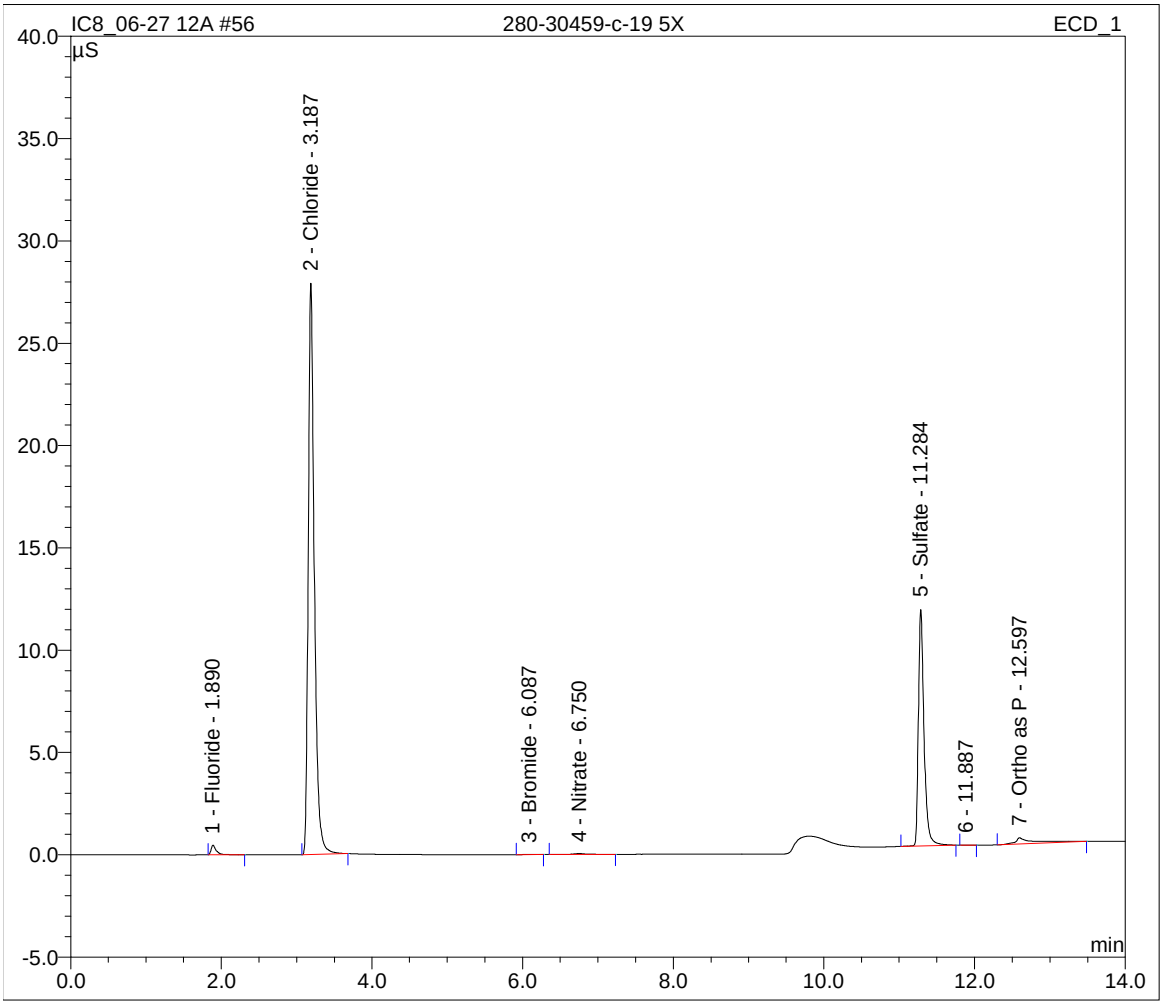
Sample Name:	**280-30459-a-18 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 03:40**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.039	0.473	0.6697
2	3.19	Chloride	BMB	2.527	27.008	89.6254
3	3.71	Nitrite	BMB	0.001	0.007	0.0448
4	6.09	Bromide	BMB	0.002	0.015	0.3471
5	6.75	Nitrate	BMB	0.016	0.086	0.3467
6	11.29	Sulfate	BMB	0.919	10.637	39.2869
8	12.60	Ortho as P	BMB	0.087	0.333	-1.4012
TOTAL:				3.59	38.56	128.92



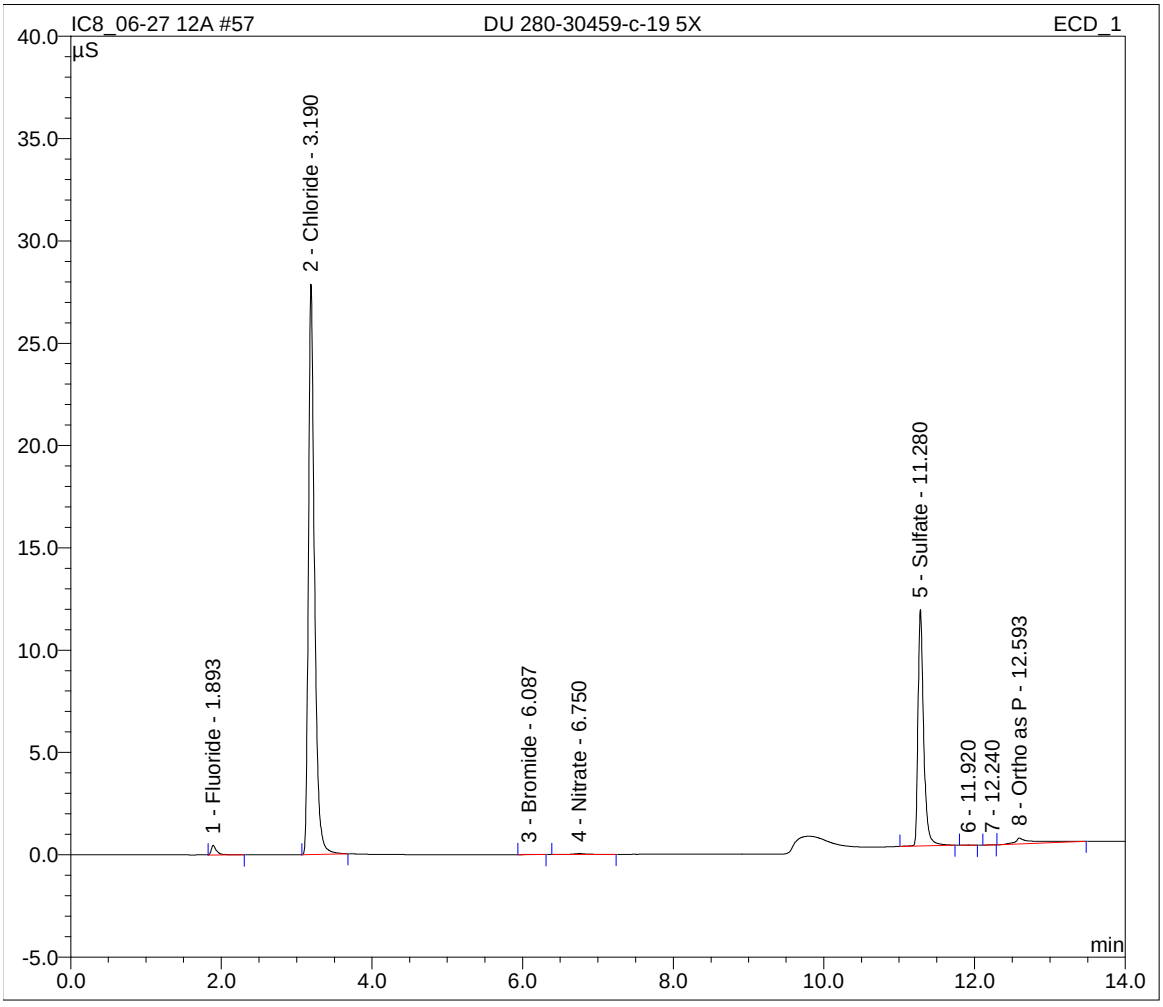
Sample Name:	**280-30459-c-19 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 03:57**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.039	0.472	0.6670
2	3.19	Chloride	BMB	2.624	27.939	93.0532
3	6.09	Bromide	BMB	0.002	0.016	0.3577
4	6.75	Nitrate	BMB	0.008	0.043	0.2417
5	11.28	Sulfate	BMB	1.005	11.557	43.0602
7	12.60	Ortho as P	BMB	0.090	0.306	-1.3397
		TOTAL:		3.77	40.33	136.04



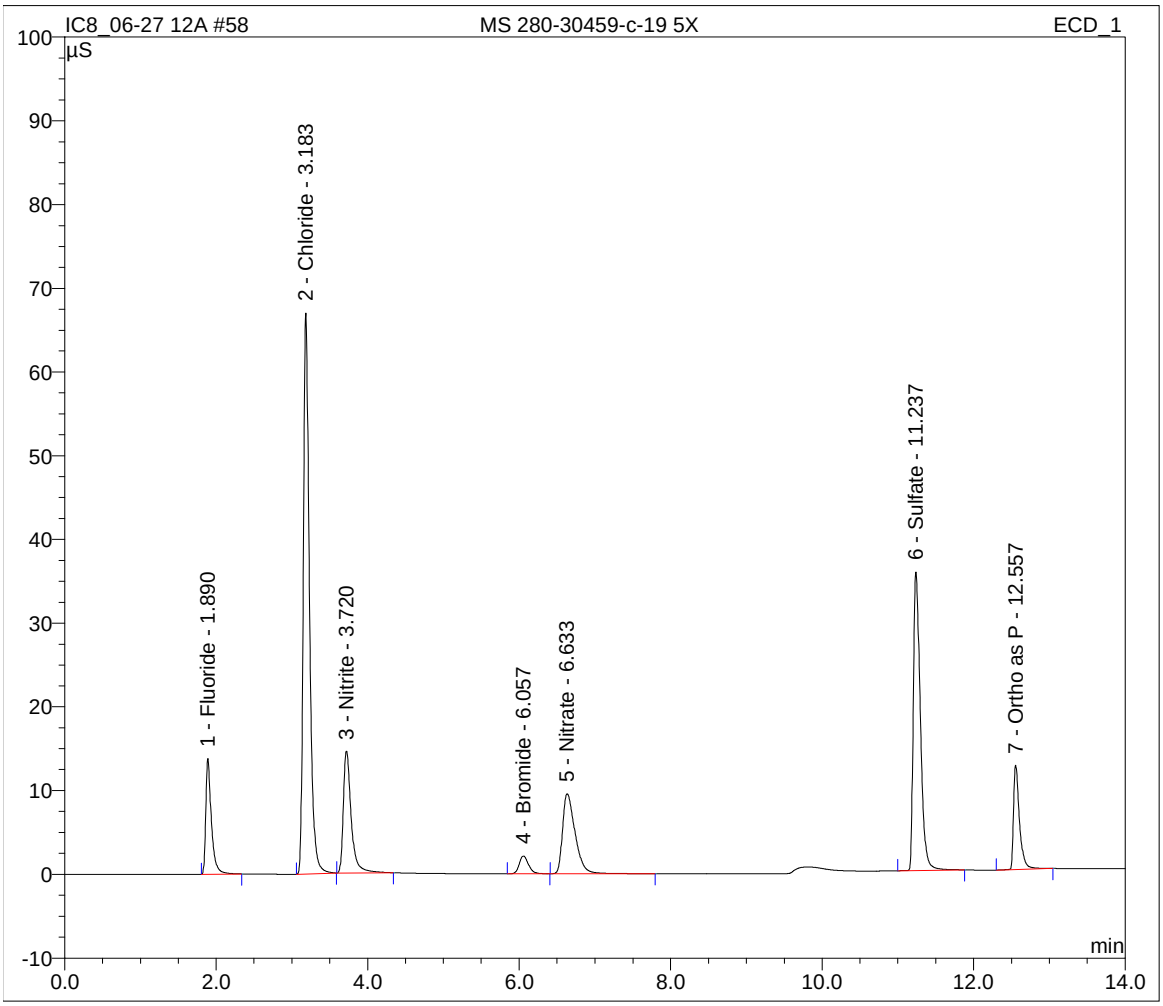
Sample Name:	**DU 280-30459-c-19 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 04:13**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.039	0.470	0.6638
2	3.19	Chloride	BMB	2.617	27.889	92.8082
3	6.09	Bromide	BMB	0.002	0.016	0.3543
4	6.75	Nitrate	BMB	0.008	0.042	0.2403
5	11.28	Sulfate	BMB	1.003	11.547	42.9618
8	12.59	Ortho as P	BMB	0.084	0.285	-1.4743
		TOTAL:		3.75	40.25	135.55



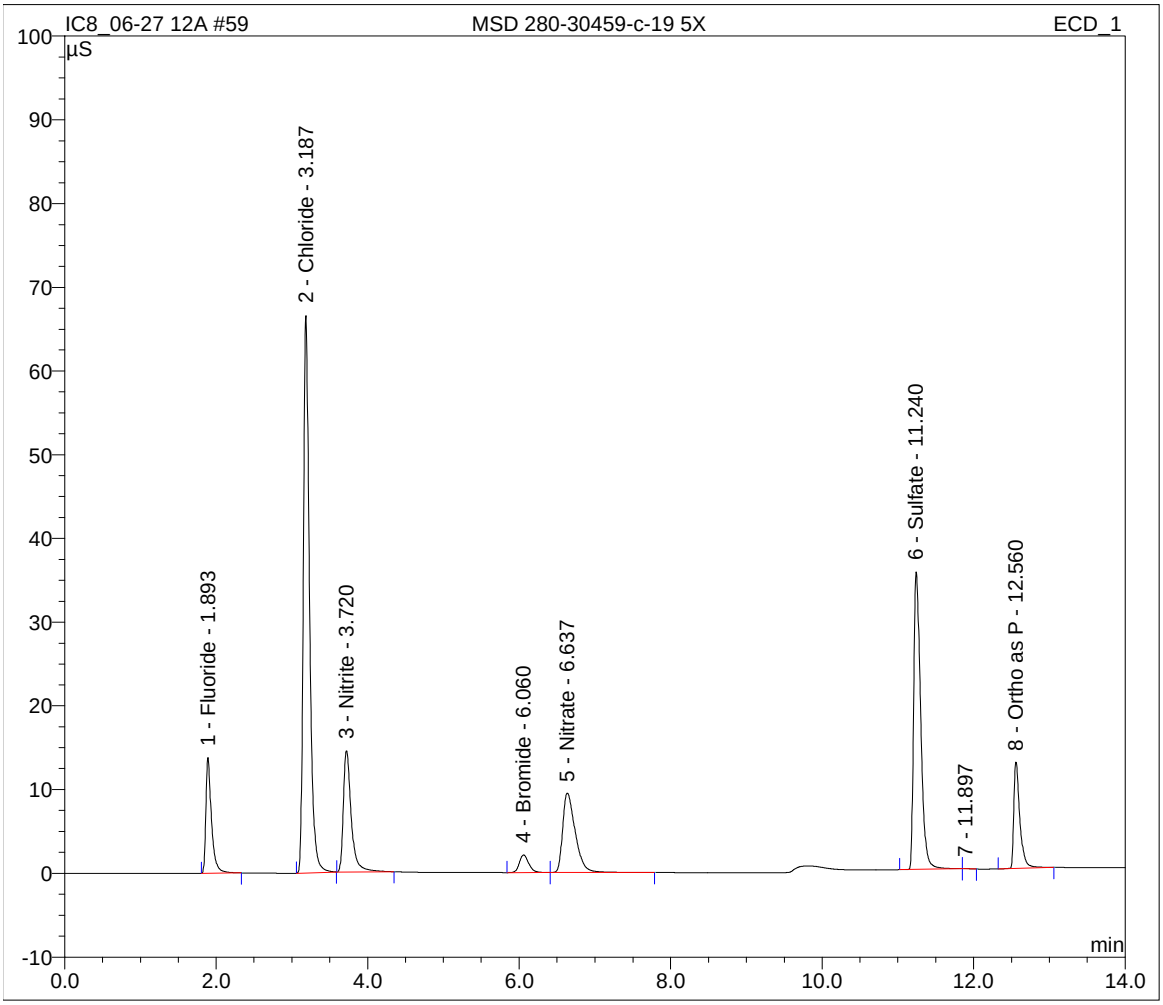
Sample Name:	**MS 280-30459-c-19 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 04:30**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.197	13.814	24.9804
2	3.18	Chloride	BMB	6.307	67.026	223.5441
3	3.72	Nitrite	BMB	1.751	14.531	24.6224
4	6.06	Bromide	BMB	0.303	2.125	25.1993
5	6.63	Nitrate	BMB	1.825	9.532	24.9517
6	11.24	Sulfate	BMB	3.856	35.686	168.0468
7	12.56	Ortho as P	BMB	1.133	12.430	25.3509
TOTAL:				16.37	155.14	516.70



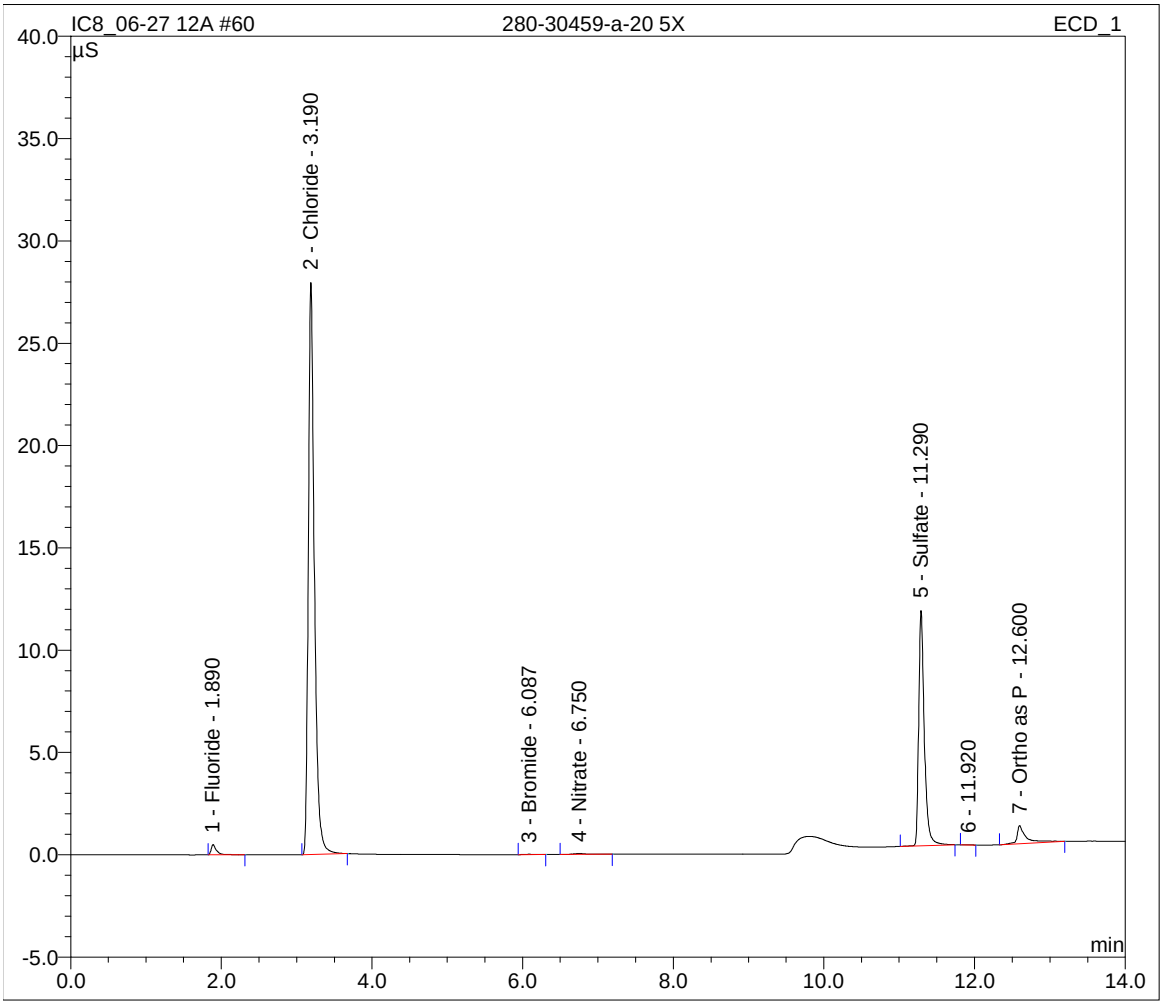
Sample Name:	**MSD 280-30459-c-19 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 04:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.199	13.821	25.0073
2	3.19	Chloride	BMB	6.291	66.605	222.9905
3	3.72	Nitrite	BMB	1.747	14.444	24.5578
4	6.06	Bromide	BMB	0.302	2.105	25.1515
5	6.64	Nitrate	bMB	1.821	9.469	24.8962
6	11.24	Sulfate	BMb	3.836	35.534	167.1472
8	12.56	Ortho as P	BMB	1.173	12.693	26.3891
		TOTAL:		16.37	154.67	516.14



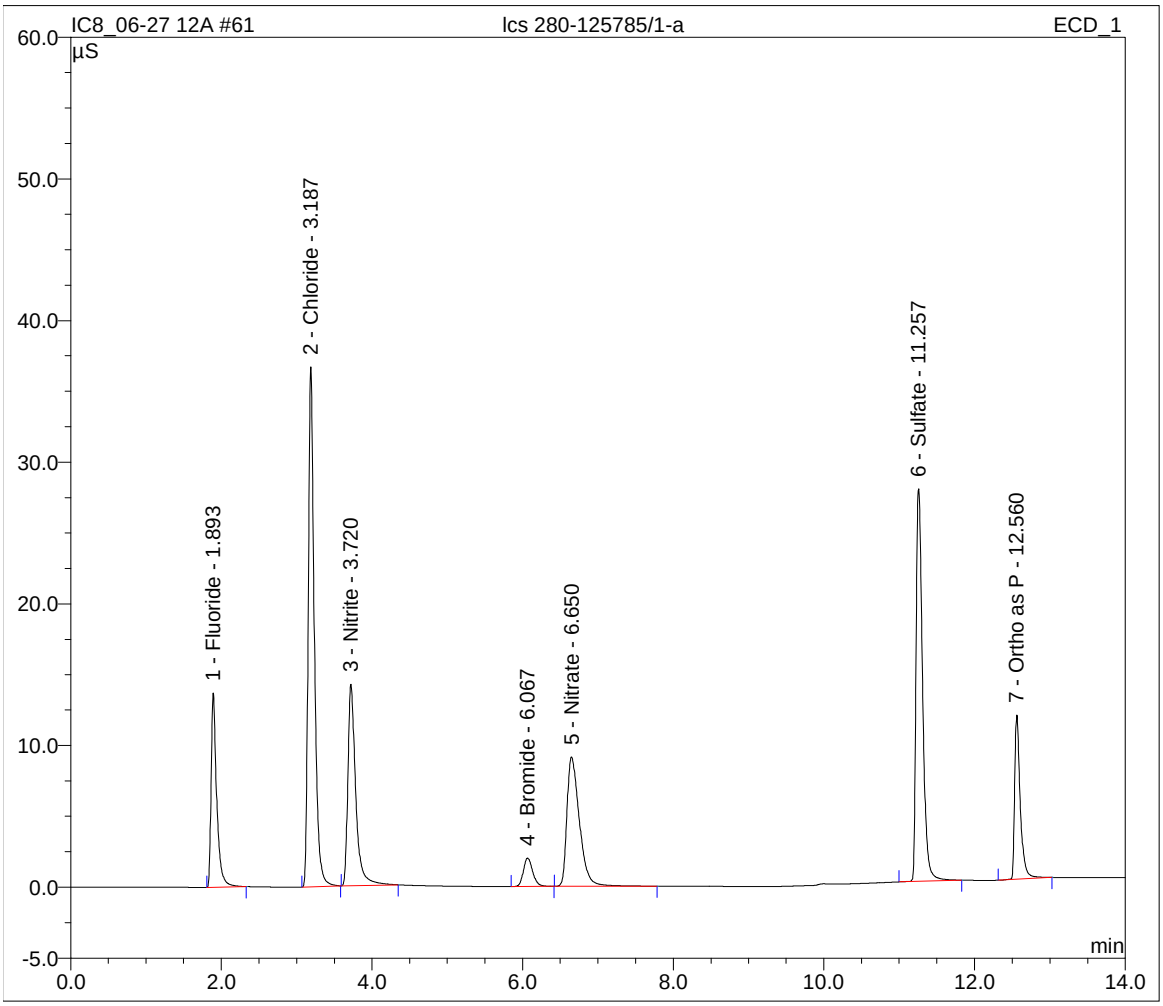
Sample Name:	**280-30459-a-20 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 05:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.042	0.500	0.7218
2	3.19	Chloride	BMB	2.622	27.968	92.9802
3	6.09	Bromide	BMB	0.002	0.016	0.3586
4	6.75	Nitrate	BMB	0.008	0.043	0.2354
5	11.29	Sulfate	BMB	1.001	11.499	42.8671
7	12.60	Ortho as P	BMB	0.125	0.888	-0.4461
		TOTAL:		3.80	40.92	136.72



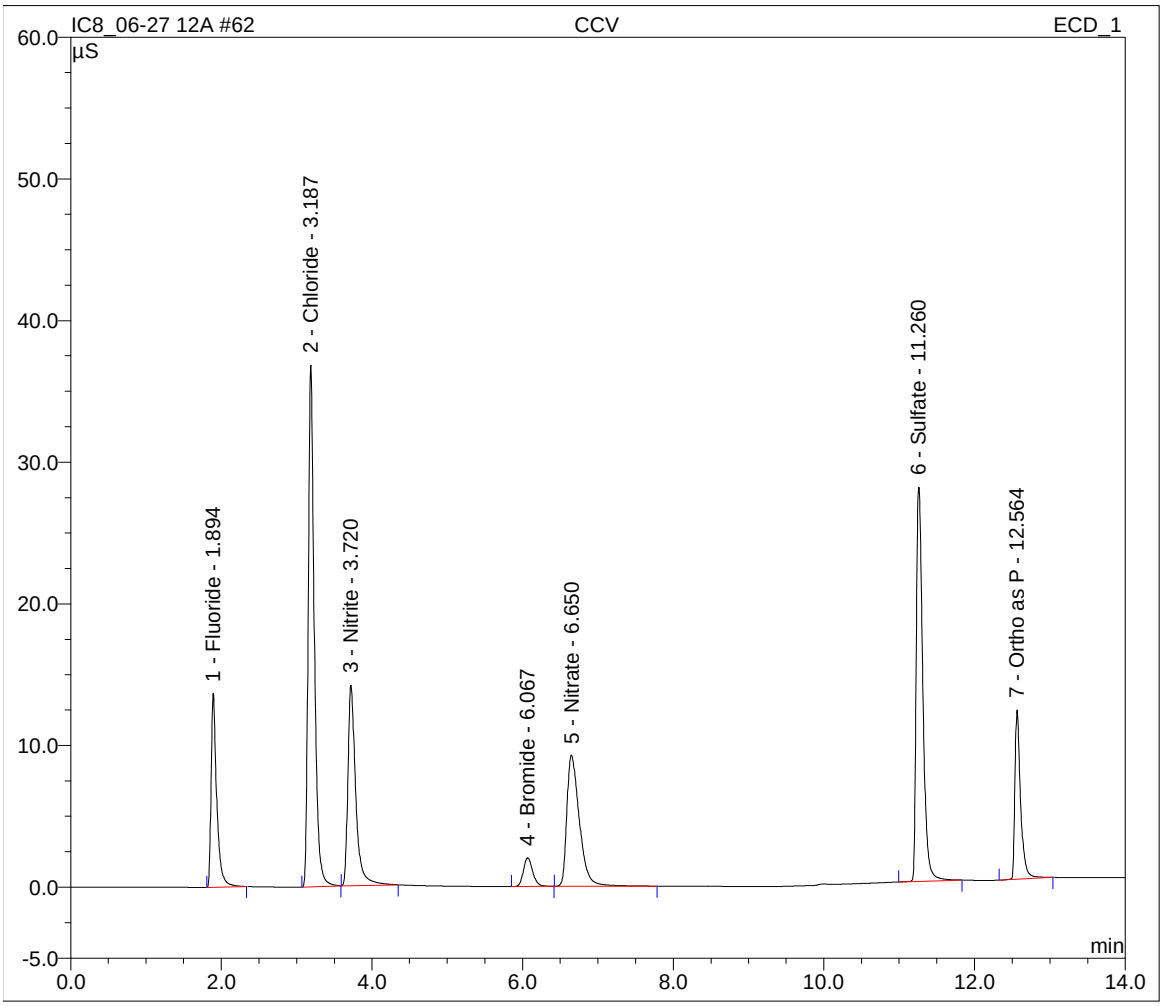
Sample Name:	**lcs 280-125785/1-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 05:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.182	13.717	4.9317
2	3.19	Chloride	BMB	3.444	36.701	24.4219
3	3.72	Nitrite	BMB	1.723	14.209	4.8438
4	6.07	Bromide	BMB	0.287	2.005	4.7737
5	6.65	Nitrate	BMB	1.747	9.130	4.7782
6	11.26	Sulfate	BMB	2.768	27.708	24.0648
7	12.56	Ortho as P	BMB	1.004	11.587	4.4094
TOTAL:				12.15	115.06	72.22



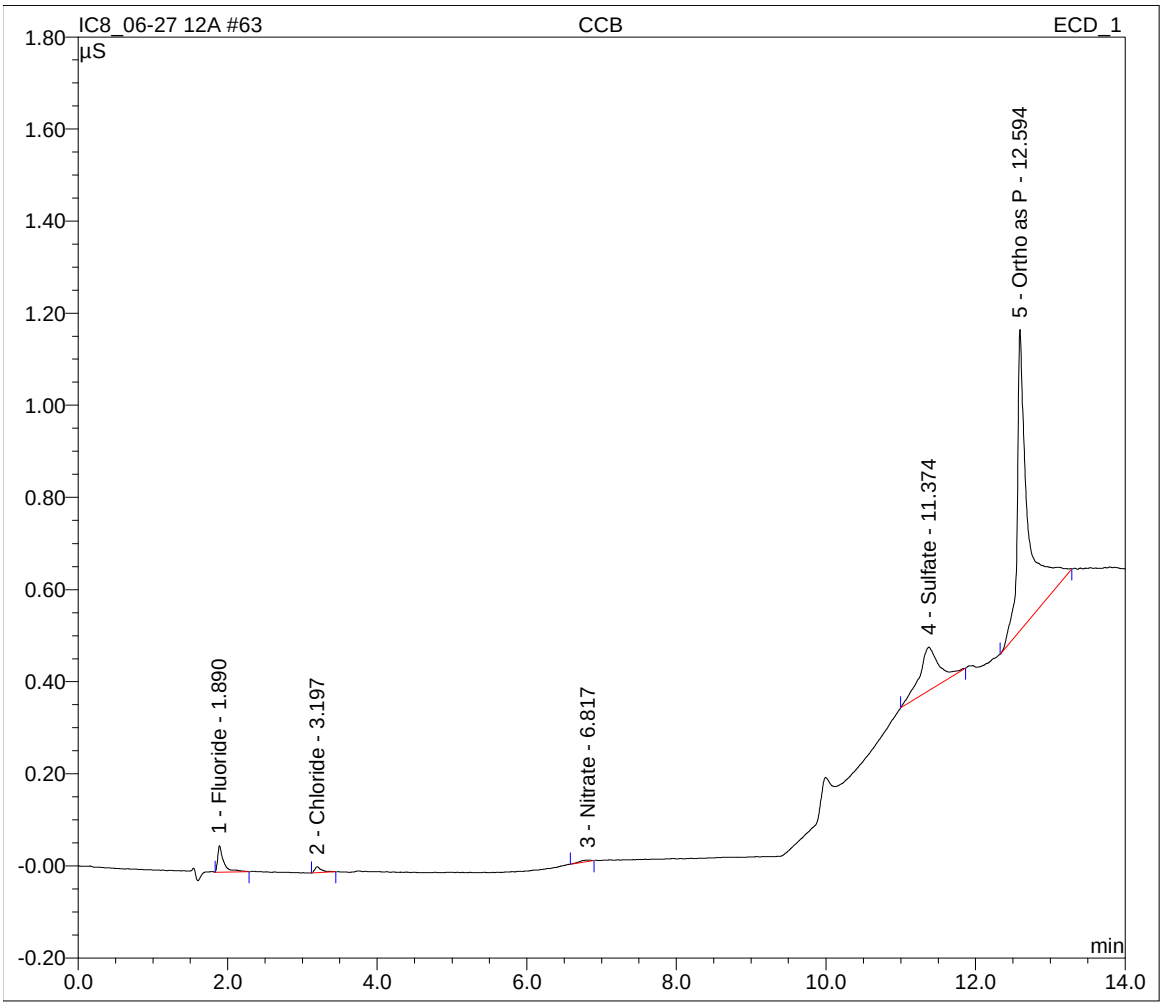
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 05:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.184	13.678	4.9392
2	3.19	Chloride	BMB	3.455	36.813	24.4995
3	3.72	Nitrite	BMB	1.714	14.140	4.8203
4	6.07	Bromide	BMB	0.289	2.023	4.8102
5	6.65	Nitrate	BMB	1.782	9.254	4.8742
6	11.26	Sulfate	BMB	2.802	27.826	24.3680
7	12.56	Ortho as P	BMB	1.052	11.942	4.6560
TOTAL:				12.28	115.68	72.97



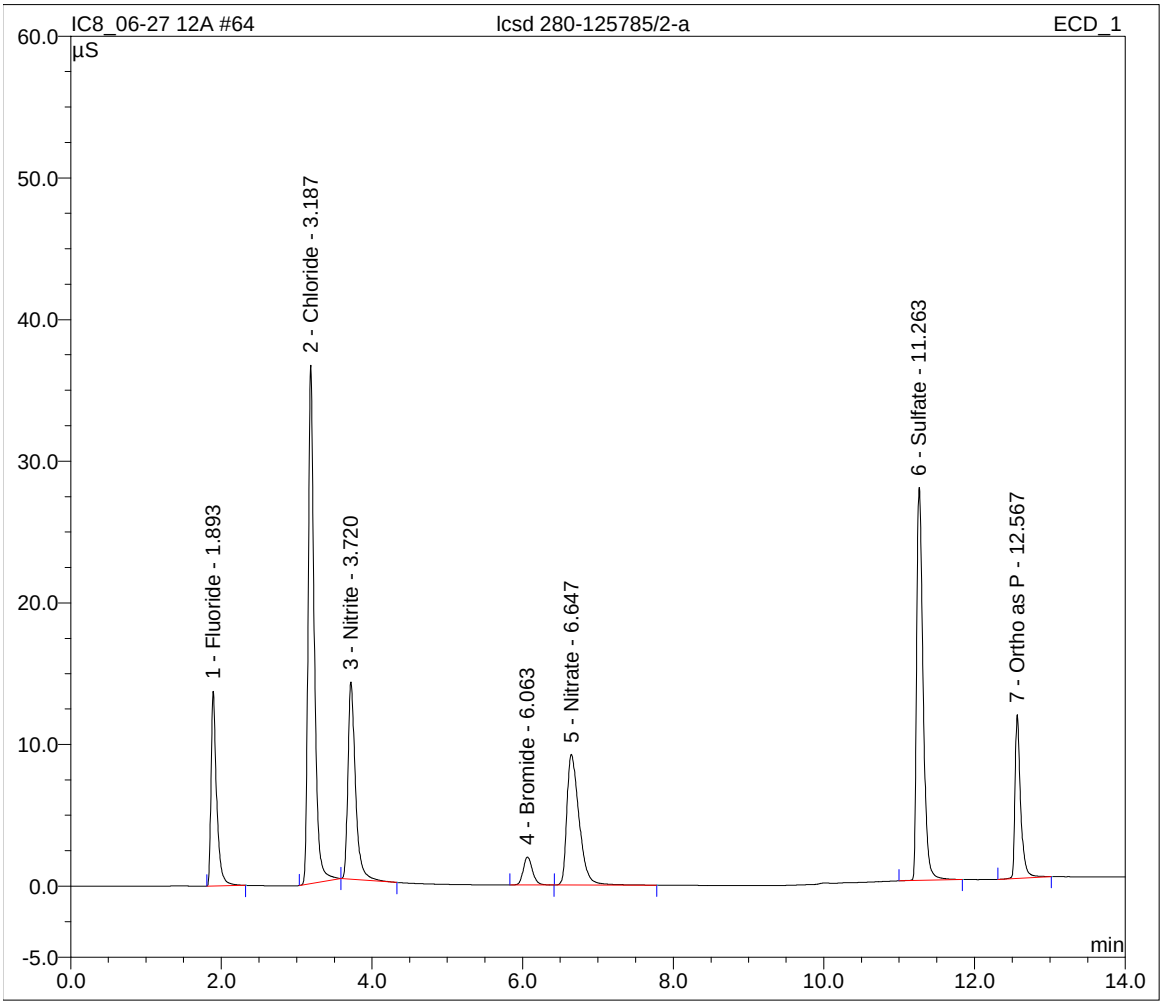
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 05:54**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.005	0.058	-0.0076
2	3.20	Chloride	BMB	0.001	0.013	0.0262
3	6.82	Nitrate	BMB	0.001	0.003	0.0269
4	11.37	Sulfate	BMB	0.028	0.095	0.0435
5	12.59	Ortho as P	BMB	0.112	0.654	-0.1534
		TOTAL:		0.15	0.82	-0.06



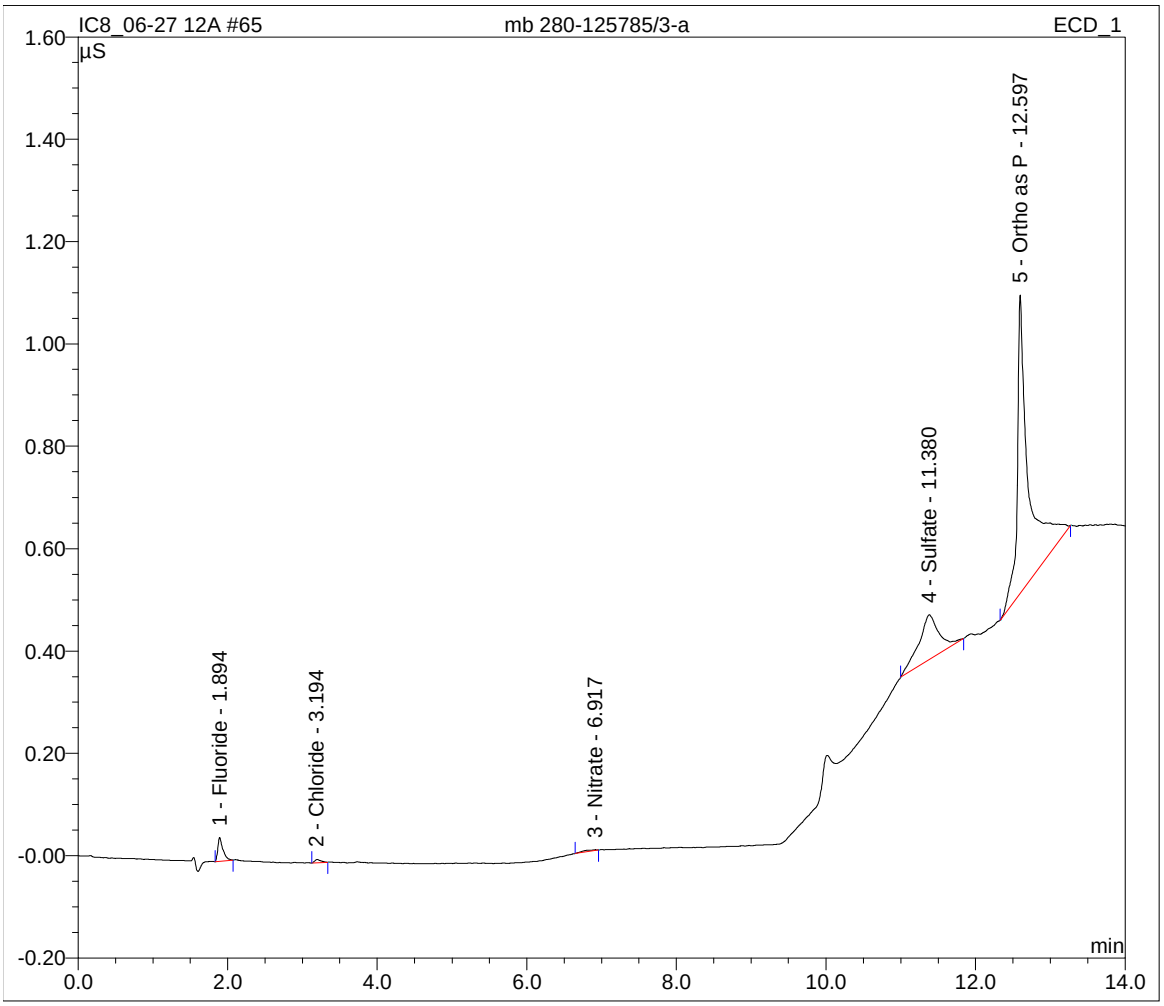
Sample Name:	**lcsd 280-125785/2-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 06:18**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.177	13.731	4.9115
2	3.19	Chloride	BMb	3.452	36.590	24.4795
3	3.72	Nitrite	bMB	1.623	13.910	4.5635
4	6.06	Bromide	BMB	0.280	1.981	4.6626
5	6.65	Nitrate	BMB	1.736	9.221	4.7484
6	11.26	Sulfate	BMB	2.750	27.745	23.9094
7	12.57	Ortho as P	BMB	0.995	11.555	4.3650
		TOTAL:		12.01	114.73	71.64



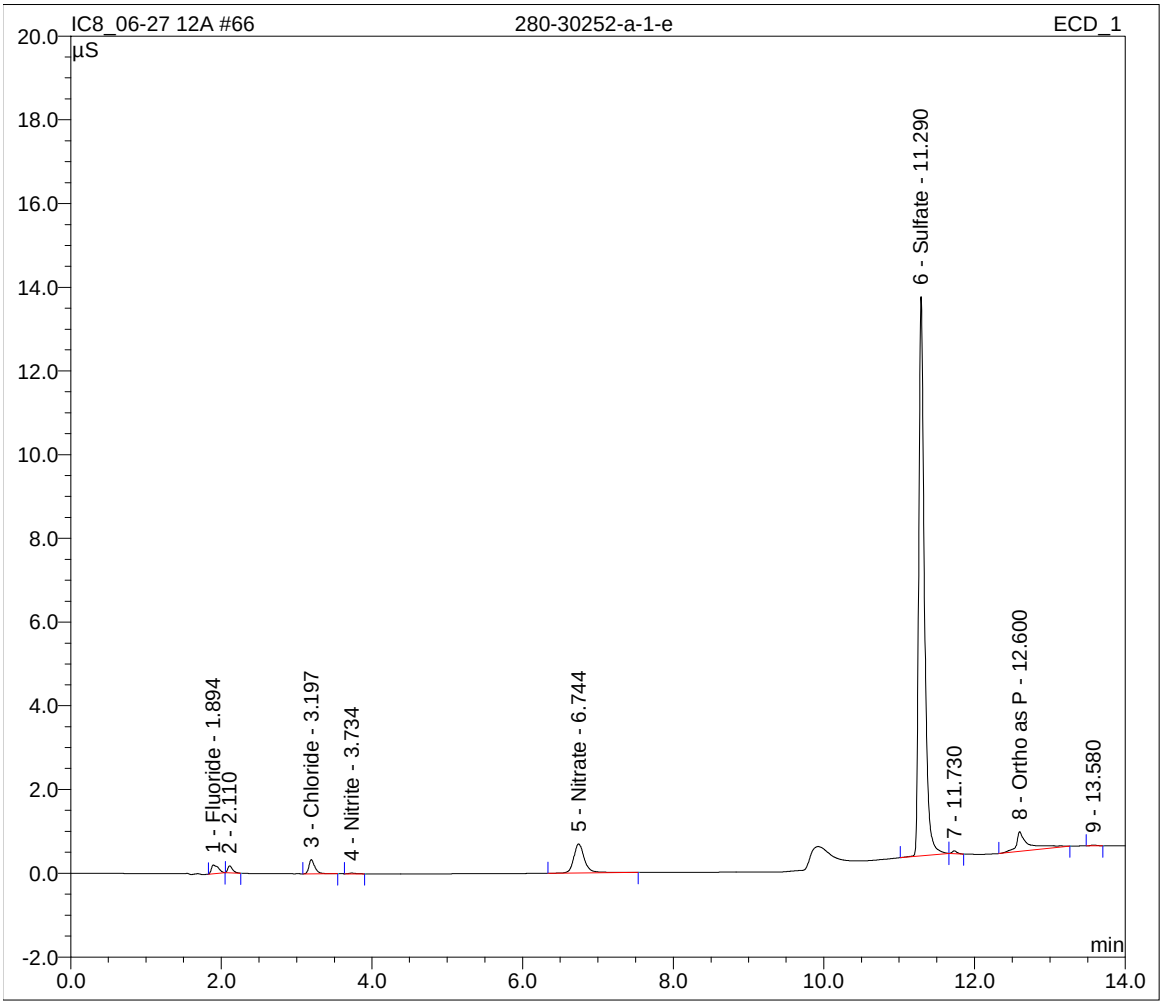
Sample Name:	**mb 280-125785/3-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 06:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.004	0.047	-0.0146
2	3.19	Chloride	BMB	0.001	0.006	0.0208
3	6.92	Nitrate	BMB	0.001	0.001	0.0267
4	11.38	Sulfate	BMB	0.027	0.088	0.0350
5	12.60	Ortho as P	BMB	0.102	0.583	-0.2034
		TOTAL:		0.13	0.72	-0.14



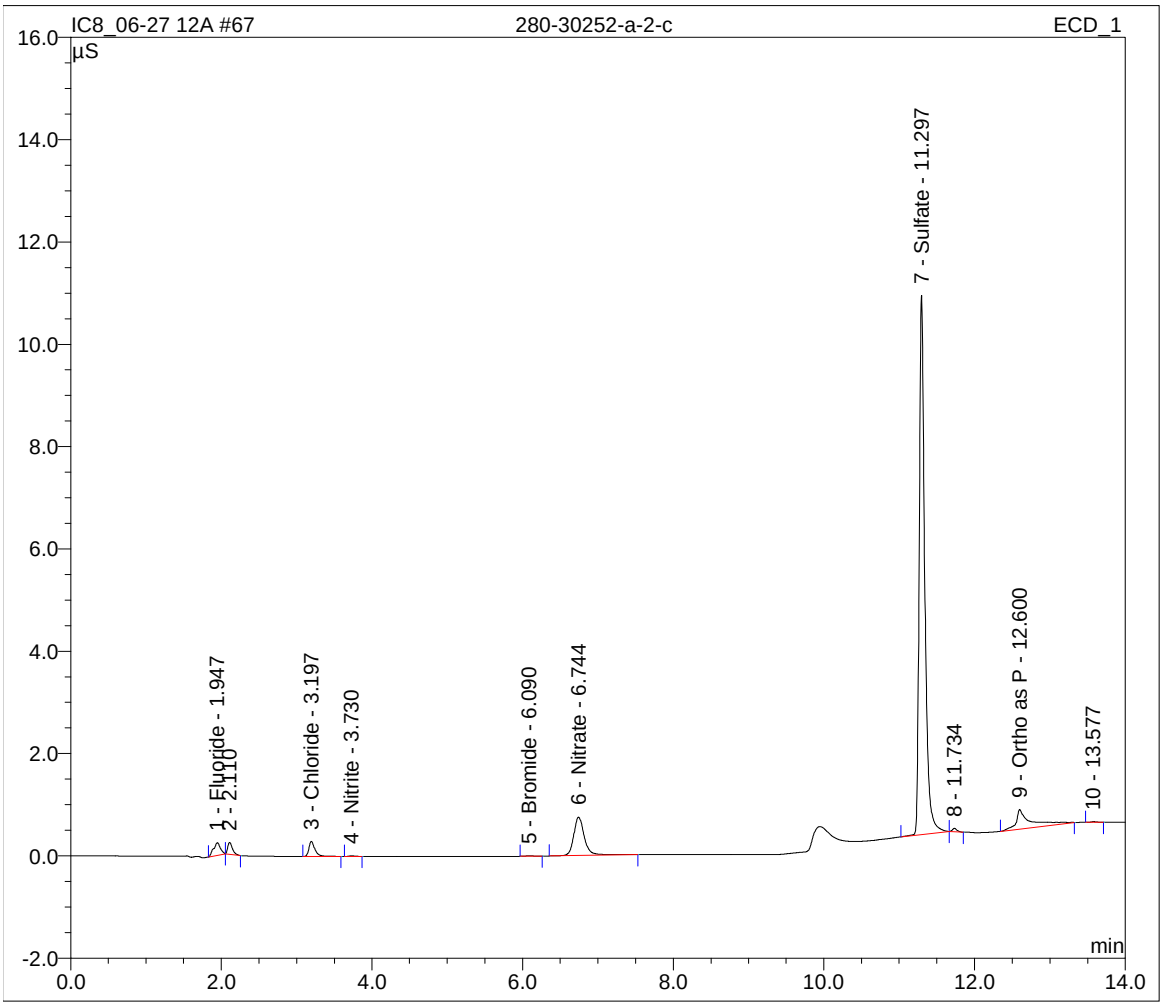
Sample Name:	**280-30252-a-1-e**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 06:51**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.023	0.213	0.0646
3	3.20	Chloride	BMB	0.031	0.338	0.2380
4	3.73	Nitrite	BMB	0.002	0.017	0.0119
5	6.74	Nitrate	BMB	0.116	0.695	0.3411
6	11.29	Sulfate	BMb	1.170	13.364	10.0562
8	12.60	Ortho as P	BMB	0.090	0.470	-0.2681
		TOTAL:		1.43	15.10	10.44



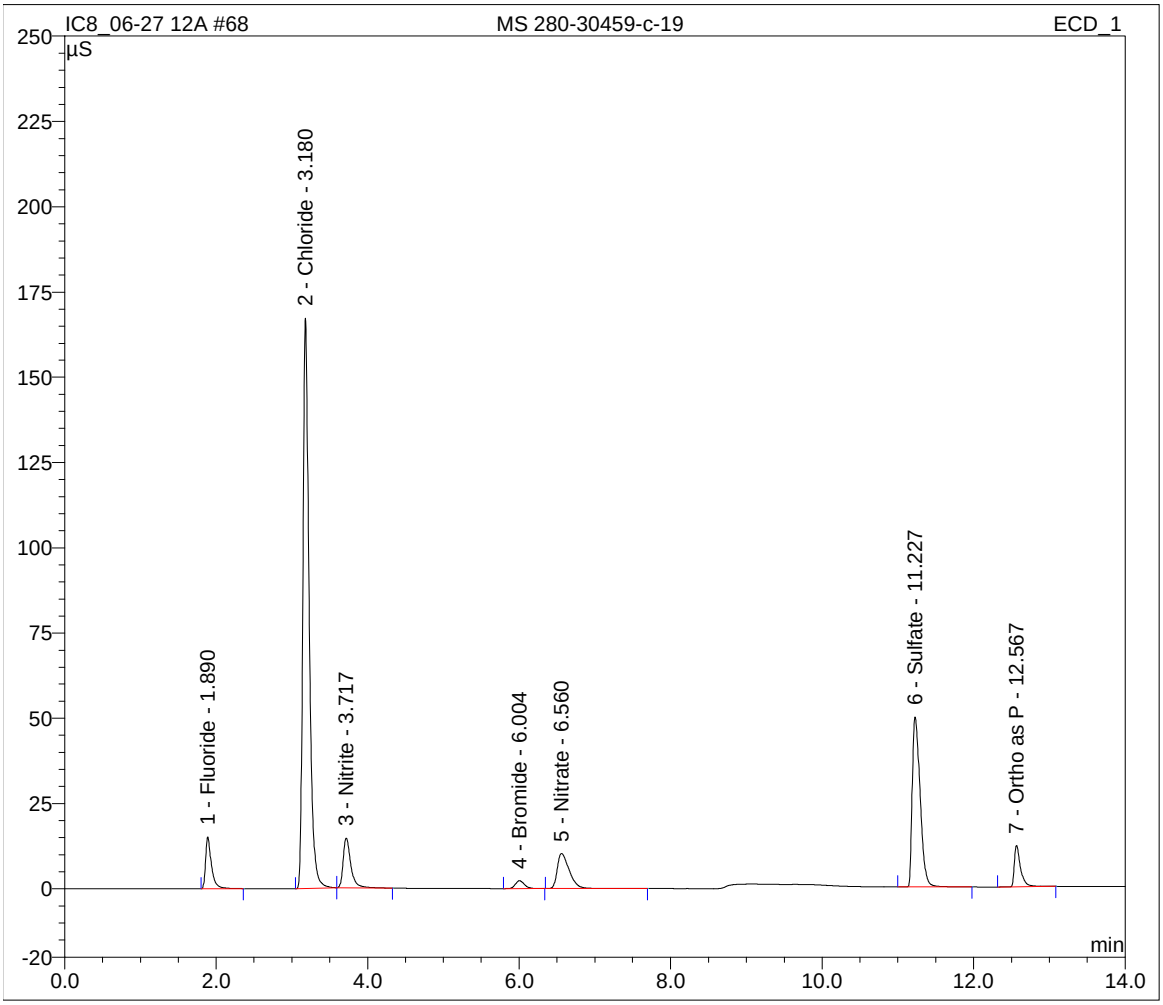
Sample Name:	**280-30252-a-2-c**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 07:08**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.95	Fluoride	BMb	0.026	0.247	0.0778
3	3.20	Chloride	BMB	0.027	0.294	0.2104
4	3.73	Nitrite	BMB	0.001	0.010	0.0100
5	6.09	Bromide	BMB	0.001	0.007	0.0488
6	6.74	Nitrate	BMB	0.123	0.751	0.3612
7	11.30	Sulfate	BMb	0.911	10.540	7.7859
9	12.60	Ortho as P	BMB	0.086	0.383	-0.2875
		TOTAL:		1.18	12.23	8.21



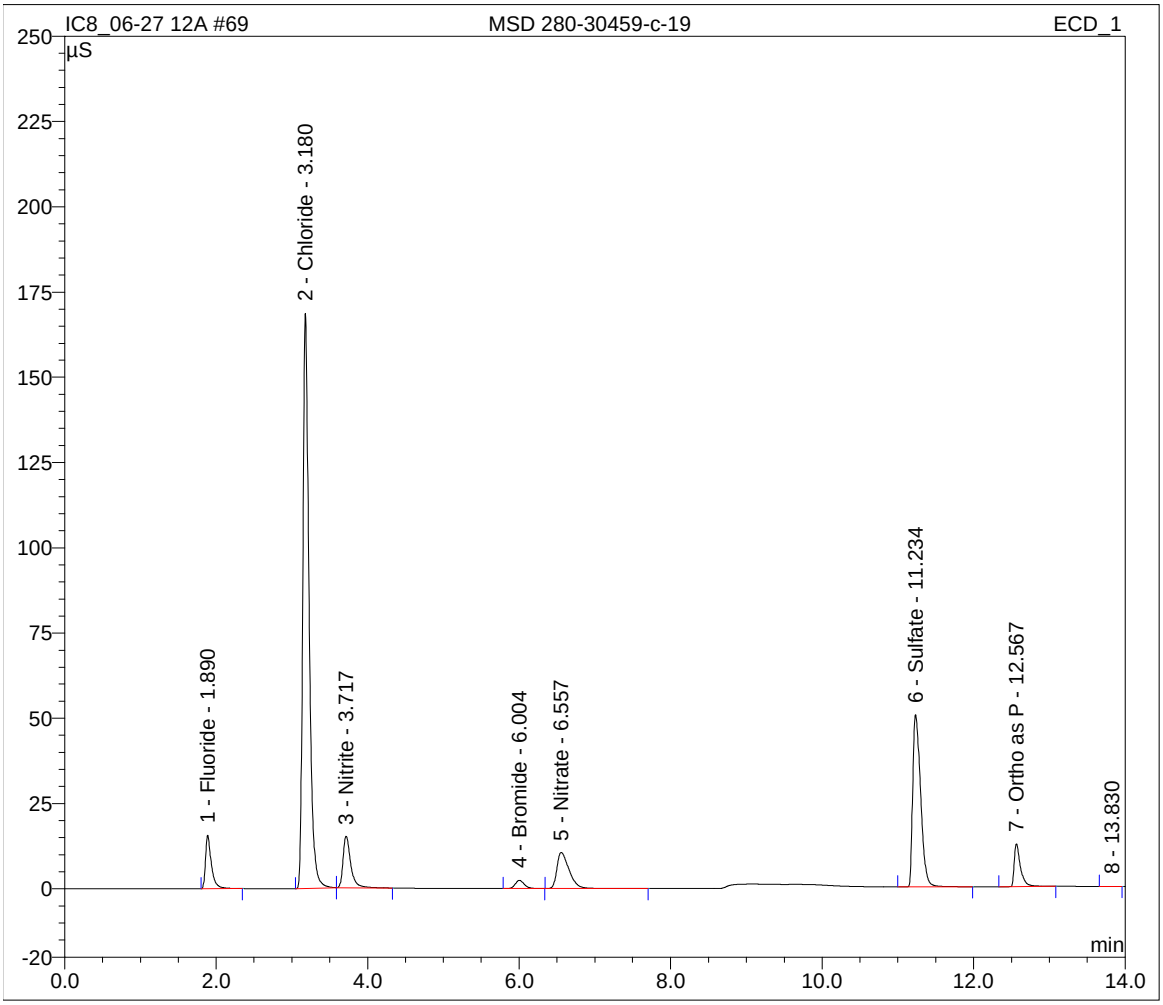
Sample Name:	**MS 280-30459-c-19**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 07:25**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.381	15.231	5.7675
2	3.18	Chloride	BMB	15.896	167.249	112.6635
3	3.72	Nitrite	bMB	1.708	14.530	4.8030
4	6.00	Bromide	BMB	0.319	2.321	5.3114
5	6.56	Nitrate	BMB	1.884	10.265	5.1496
6	11.23	Sulfate	BMB	6.020	49.780	52.5787
7	12.57	Ortho as P	BMB	1.145	12.108	5.1298
		TOTAL:		28.35	271.48	191.40



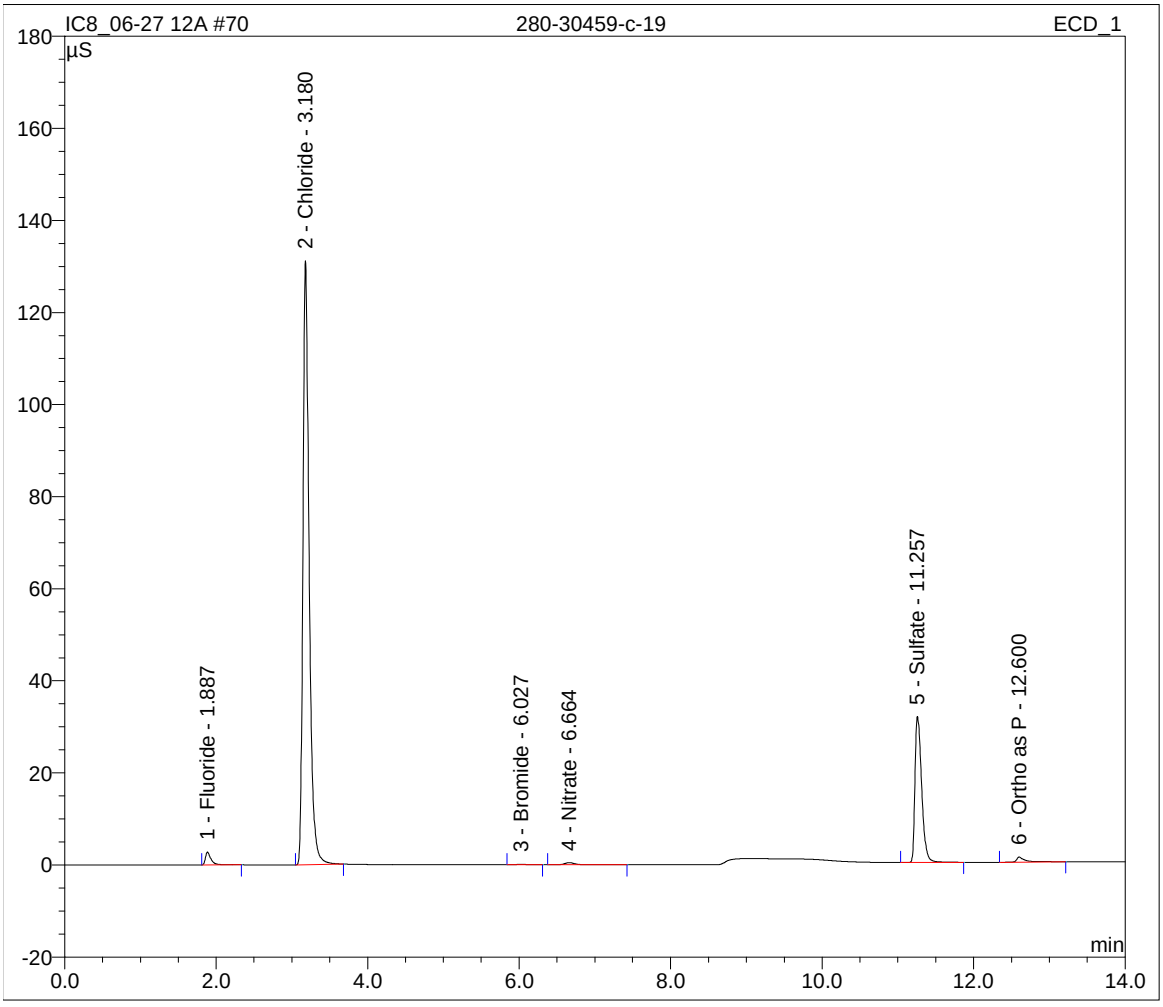
Sample Name:	**MSD 280-30459-c-19**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 07:42**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.429	15.721	5.9698
2	3.18	Chloride	BMb	16.054	168.703	113.7881
3	3.72	Nitrite	bMB	1.777	15.041	4.9973
4	6.00	Bromide	BMB	0.332	2.409	5.5252
5	6.56	Nitrate	BMB	1.960	10.568	5.3584
6	11.23	Sulfate	BMB	6.128	50.431	53.5292
7	12.57	Ortho as P	BMB	1.205	12.501	5.4393
TOTAL:				28.89	275.37	194.61



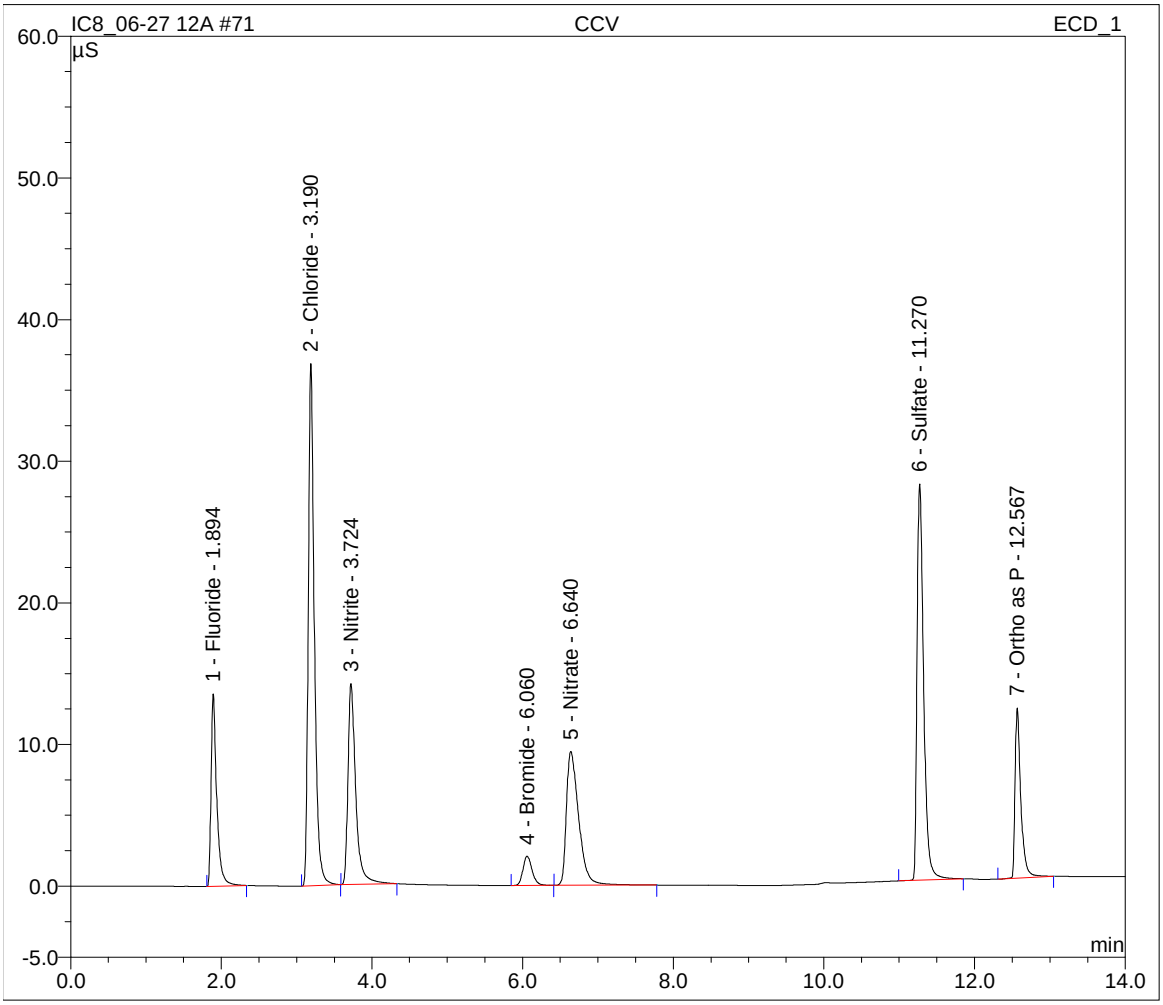
Sample Name:	**280-30459-c-19**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 07:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.241	2.801	0.9821
2	3.18	Chloride	BMB	12.447	131.186	88.2264
3	6.03	Bromide	BMB	0.016	0.120	0.3066
4	6.66	Nitrate	BMB	0.074	0.463	0.2253
5	11.26	Sulfate	BMB	3.246	31.686	28.2567
6	12.60	Ortho as P	BMB	0.159	1.147	0.0870
		TOTAL:		16.18	167.40	118.08



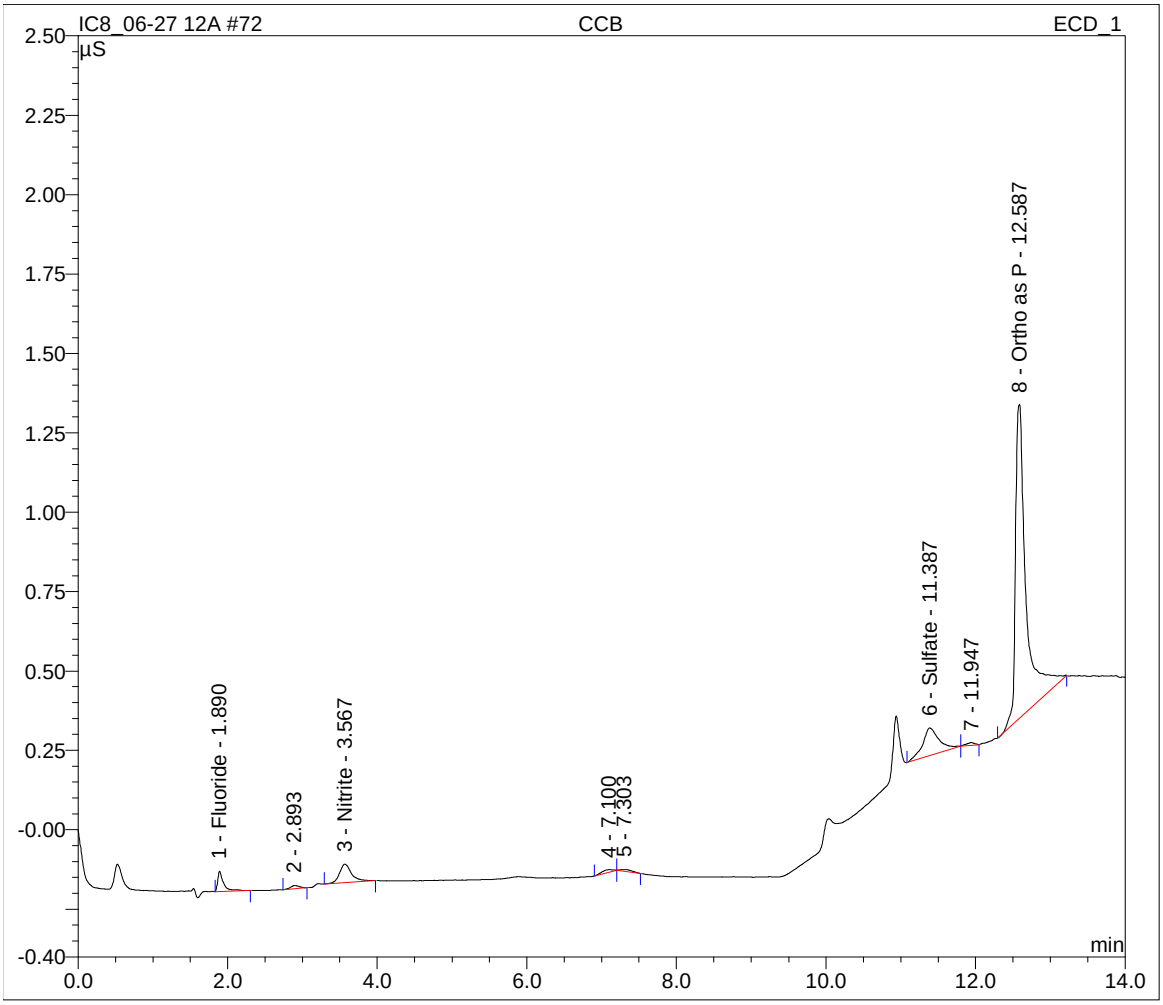
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 08:15**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	1.189	13.576	4.9607
2	3.19	Chloride	BMB	3.457	36.858	24.5168
3	3.72	Nitrite	BMB	1.708	14.176	4.8016
4	6.06	Bromide	BMB	0.290	2.066	4.8232
5	6.64	Nitrate	BMB	1.789	9.450	4.8916
6	11.27	Sulfate	BMB	2.835	27.973	24.6497
7	12.57	Ortho as P	BMB	1.076	12.010	4.7795
TOTAL:				12.34	116.11	73.42



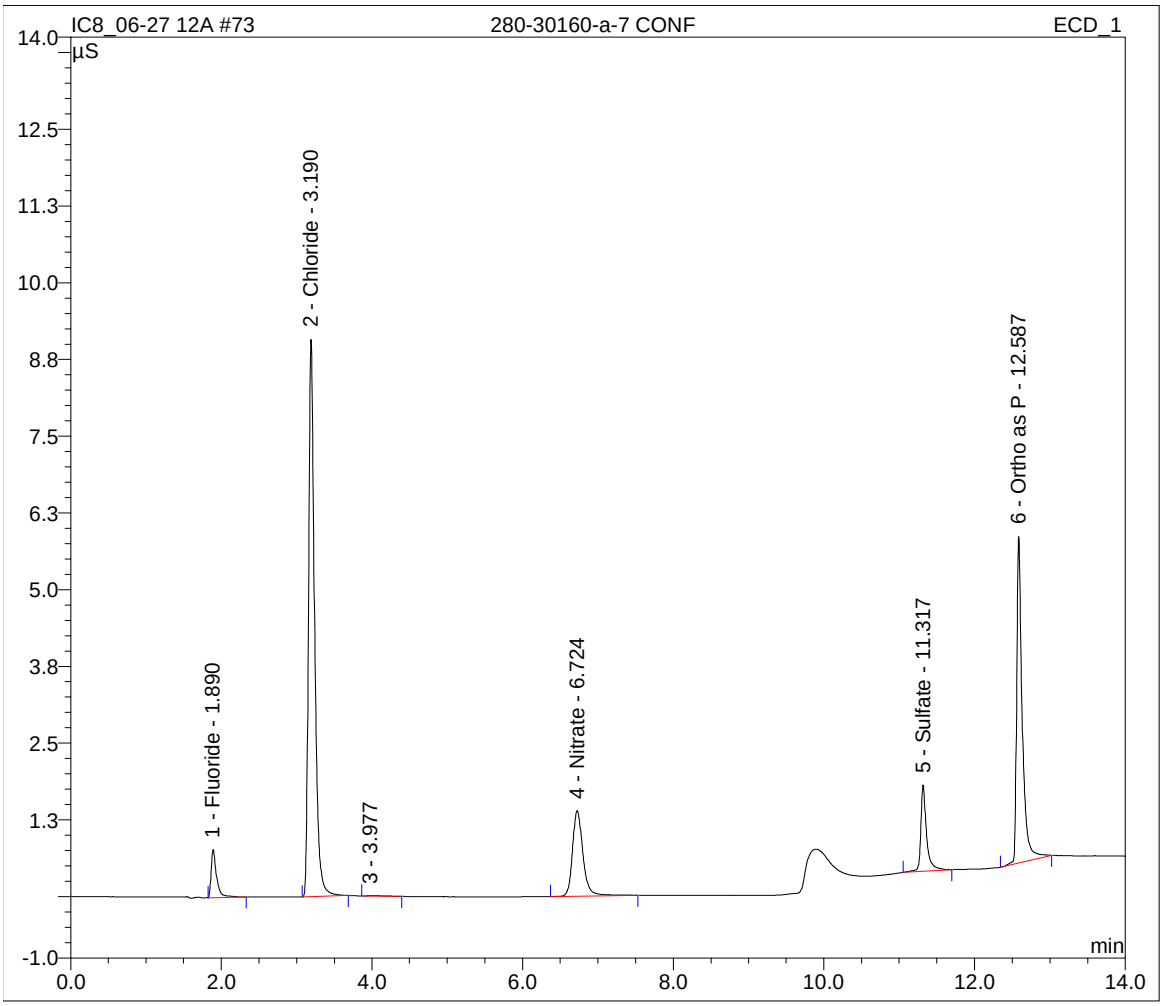
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 08:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.006	0.064	-0.0057
3	3.57	Nitrite	BMB	0.011	0.058	0.0378
6	11.39	Sulfate	BMB	0.022	0.087	-0.0116
8	12.59	Ortho as P	BMB	0.161	0.988	0.0992
		TOTAL:		0.20	1.20	0.12



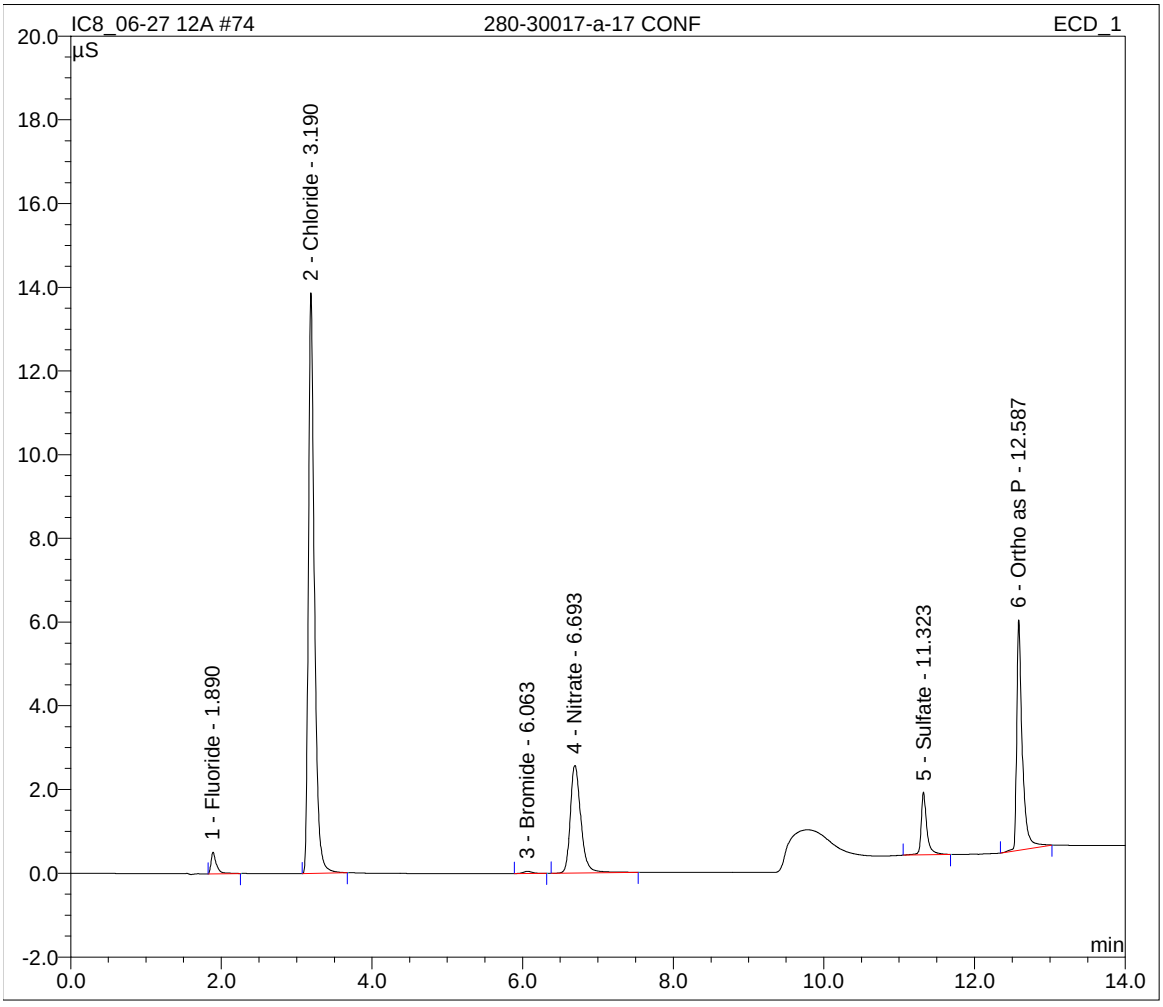
Sample Name:	**280-30160-a-7 CONF**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 08:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.066	0.784	0.2462
2	3.19	Chloride	BMB	0.848	9.079	6.0266
4	6.72	Nitrate	BMB	0.224	1.391	0.6357
5	11.32	Sulfate	BMB	0.125	1.404	0.8959
6	12.59	Ortho as P	BMB	0.459	5.319	1.6221
		TOTAL:		1.72	17.98	9.43



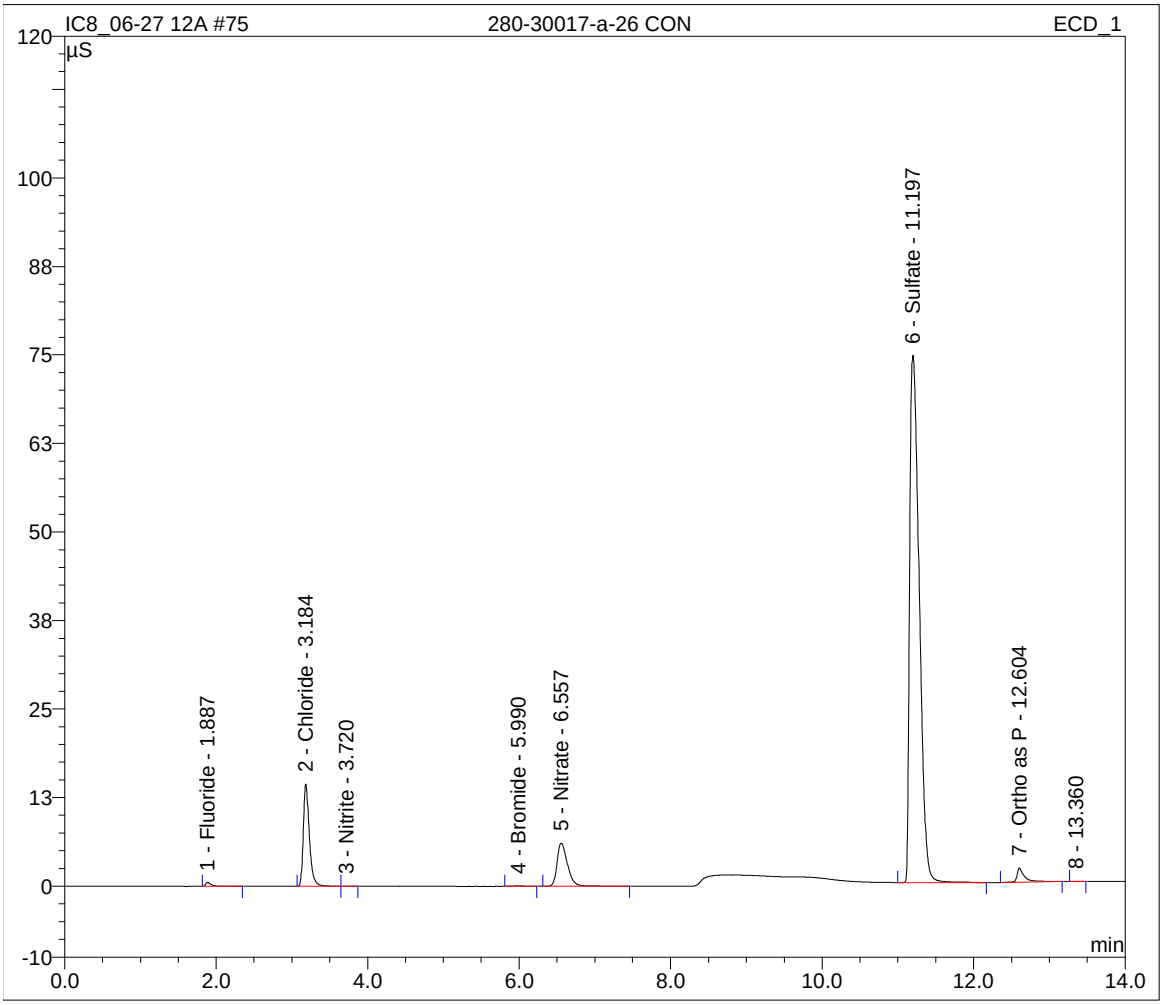
Sample Name:	**280-30017-a-17 CONF**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 09:09**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.043	0.518	0.1511
2	3.19	Chloride	BMB	1.290	13.881	9.1558
3	6.06	Bromide	BMB	0.007	0.050	0.1489
4	6.69	Nitrate	BMB	0.415	2.570	1.1554
5	11.32	Sulfate	BMB	0.130	1.497	0.9350
6	12.59	Ortho as P	BMB	0.478	5.506	1.7189
		TOTAL:		2.36	24.02	13.27



Sample Name:	**280-30017-a-26 CON**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**28.06.12 09:26**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.049	0.555	0.1756
2	3.18	Chloride	BMb	1.333	14.426	9.4632
3	3.72	Nitrite	bMB	0.002	0.018	0.0118
4	5.99	Bromide	BMB	0.011	0.083	0.2129
5	6.56	Nitrate	BMB	0.968	6.061	2.6586
6	11.20	Sulfate	BMB	10.880	74.398	95.1944
7	12.60	Ortho as P	BMB	0.232	1.998	0.4630
TOTAL:				13.47	97.54	108.18



Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: DOC/TOC **SOP #** NV-WC-0006

Instrument: SHI 2 **Analyst:** D.B. **Analysis Date:** 07-18-12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30753	Aq.	128355	128578	5310B	Filter + Preserve
30697	↓	—	128577	9060A	Q4
30455	↓	↓	↓	↓	Q4
30461	↓	↓	↓	↓	Q4
31139	↓	↓	↓	↓	—
30818	↓	↓	↓	5310B	—
30955	↓	↓	↓	↓	—

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			—
2. Correlation coefficient ≥ 0.995 ?	✓			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			—
4. ICB analyzed immediately after the ICV & results < the RL	✓			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			—
6. CCB analyzed after every CCV & results < RL?	✓			—
7. Absolute value of the intercept is < ± ½ the RL?	✓			—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			—
3. All reported results bracketed by in control CCV results?	✓			—
4. Sample analyses done within holding time?	✓			—
5. Initial pH check documented for all samples? (If Applicable)	✓			—
6. Preparation benchsheet completed and included in package?	✓			—
7. Client requirements reviewed and met?	✓			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	—
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
11. Raw data copies prepared, scanned, and uploaded?	✓			—
12. Manual integrations done properly and initialed and dated?			✓	—
13. STD/True Value information is updated and included?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?	✓			—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	—

Analyst: D.B. **Date:** 07-19-12

2nd Level Reviewer : [signature] **Date:** 7/20/12

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver Wet Chemistry Data Review Checklist
For Titration Methods

ANALYTE: Alk ANALYST: AA ANALYSIS DATE: 7/2/12 SOP: WC-25

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30453 30460	W	N/A	126467	2320B	
30447 30561					
30550					
30455					
30481					
30455					
30425					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the normality of the titrant verified and found acceptable?			✓	✓
B. Sample Results				
1. Are all sample dilutions appropriate and do associated RLs/MDLs reflect required dilutions or limited sample volume?	✓			—
2. All reported results bracketed by in control CCV/CCB?	✓			—
3. Sample analyses done within holding time?	✓			—
4. Initial pH check documented for all samples (if required)?	✓			—
5. Preparation benchsheet completed and included in package (if applicable)?			✓	—
6. Special client requirements checked?	✓			—
7. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures? (If Applicable)	✓			—
8. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
9. STD/True Value information is updated and included?	✓			—
10. Raw data copies prepared, scanned, and uploaded?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?			✓	—
5. DUP run at required frequency and RPD within 20% or NCM written?	✓			—

Analyst: [signature] **Date:** 7/3/12

Comments:

2nd Level Reviewer : [signature] **Date:** 7/3/12

Comments:

TestAmerica Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Data Review Checklist For Gravimetric Methods

Test Name/Method #: TDS **Analysis Date:** 7/2/12

SOP #: DV-WC-0064 **Analyst:** BT **Instrument:** BA1

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30460, 30453, 30455, 30457, 30456,	WATER	—	126308	—	—

7/6 test

A. Balance, Oven, and DI Water QC Checks	Yes	No	N/A	2nd Level
1. Was the balance calibration verified before and after processing samples and noted in the "Balance Calibration Log" for the date(s) the samples were processed?	—			—
2. Was the oven temperature within method requirements and recorded in the "Oven Temperature" logbook for the date(s) the samples were processed?	—			—
3. Was the daily conductivity check of the deionized water recorded in the "Conductivity Logbook"?		X		—
B. Method Requirements				
1. If sample is visibly oily, was this noted on the benchsheet?		X		—
2. Was final residue weight within minimum/maximum requirements?	—			—
3. Were the initial and final drying dates and times recorded on the benchsheet and were all samples dried for at least one hour?	—			—
C. Sample Results				
1. TDS/Conductivity ratio or historical data checked?		X		—
2. For % Moisture, was the Final Dried Weight < the Initial Pan Weight or is the result greater than 100%?			X	—
3. Were sample analyses done within holding time?	—			—
4. Were special client requirements met?	—			—
5. Were data that were manually transcribed from instrument printouts into TALS verified 100% including significant figures and units?	—			—
6. Do the prep and analysis dates in TALS reflect the actual dates? Lots/Dates report checked?	—			—
7. STD/True Value information is updated and included?	—			—
8. Are raw data copies prepared, scanned, and uploaded?	—			—
D. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10 X RL?	—			—
2. Method blank < ½ RL or NCM provided?	—			—
3. LCS/LCSD run for batch and within QC limits?	—			—
4. DUP run for batch and RPD < 20% for samples >5 X RL?	—			—

Analyst: BT **Date:** 7/6/12

Comments:

2nd Level Reviewer : [signature] **Date:** 7/9/12

Comments:

7/9/12

TestAmerica Denver

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THE LEADER IN ENVIRONMENTAL TESTING

BOD Data Review Checklist

Methods: EPA 405.1, Standard Methods 5210 B

SOP # DV-WC-0019

Run Date: 6/27/12 Analyst: DH Instrument: BOD

Log-in / Sample Numbers	Batch	Method	Special Inst
280 30422/1	125739	5210B	NA
280 30423/1			
280 30425/1-8			
280 30429/1			
280 30457/8-13			
280 30456/1-6			
280 30455/1-7			G4

A. Materials and Instrument Checks	Yes	No	N/A	2nd Level
1. Seed water stirred/aerated for at least one hour?	✓			
2. Incubator temperature in control (20 ± 1°C) for 5-day incubation?	✓			
3. Probe checks done at prescribed intervals as shown on the benchsheet?	✓	NCM		—
4. If CBOD in batch, is there is a Blank, Duplicate for CBOD in the batch?	✓			—
B. Method Required QC				
1. Initial D.O. readings for samples, blanks and GGA standard between 7.0 and 9.0 mg/L?	✓			—
2. Seed control depletion is at least 2.0 mg/L (40 – 70%)?	✓			—
3. Seed correction value between 0.6 and 1.0 mg/L?	✓			—
4. Glucose/Glutamic acid (LCS) within control limits?	✓			—
C. Sample Results				
1. 48 hour holding time met for all samples?	✓			—
2. Was sample pH between 6.5 and 7.5 (adjustment made if necessary)?	✓			—
3. Were samples checked for residual chlorine (removed if necessary)?	✓			—
4. Are all sample dilutions with depletion <2.0 mg/L, or final D.O. <1.0 mg/L rejected?	✓			—
5. Do reporting limits reflect dilutions and/or limited sample volume?	✓			—
6. Were there any signs of toxicity in the samples?		✓		—
7. Were there any air bubbles in the BOD bottles?		✓		
8. Were special client requirements met?	✓			—
9. STD/True Value information is updated and included?	✓			—

Analyst: [signature] Date: DH 7/7/12

2nd Level Reviewer : [signature] Date: 7/12/12

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 127015 Batch Start Date: 07/09/12 11:15 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00156	NXN ICV INT 00149	AnalysisComment
ICVL 280-127015/15		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank		2 mL	
ICV 280-127015/16		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank		5 mL	
ICB 280-127015/17		350.1				Not Calculated. Perform Calculation left blank			
MRL 280-127015/18		350.1				Not Calculated. Perform Calculation left blank			
CCV 280-127015/96		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	5 mL		
CCVL 280-127015/97		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	1 mL		
CCB 280-127015/98		350.1				Not Calculated. Perform Calculation left blank			
MB 280-127015/109		350.1				Not Calculated. Perform Calculation left blank			
CCV 280-127015/112		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	5 mL		
CCVL 280-127015/113		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	1 mL		
CCB 280-127015/114		350.1				Not Calculated. Perform Calculation left blank			

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 127015 Batch Start Date: 07/09/12 11:15 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00156	NXN ICV INT 00149	AnalysisComment
LCS 280-127015/117		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	5 mL		
LCSD 280-127015/118		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	5 mL		
280-30455-D-1	LF1M01R11UA	350.1	T			Not Calculated. Perform Calculation left blank			ph<2
CCV 280-127015/129		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	5 mL		
CCVL 280-127015/130		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	1 mL		
CCB 280-127015/131		350.1				Not Calculated. Perform Calculation left blank			
280-30455-D-1 MS	LF1M01R11UA	350.1	T	5 mL	5 mL	Not Calculated. Perform Calculation left blank	0.2 mL		ph<2
280-30455-D-1 MSD	LF1M01R11UA	350.1	T	5 mL	5 mL	Not Calculated. Perform Calculation left blank	0.2 mL		ph<2
280-30455-D-2	LF1M1411UA	350.1	T			Not Calculated. Perform Calculation left blank			ph<2
280-30455-D-4	LF1SW0101UA	350.1	T			Not Calculated. Perform Calculation left blank			ph<2
280-30455-D-5	LF1SW02SMC01UA	350.1	T			Not Calculated. Perform Calculation left blank			ph<2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 127015 Batch Start Date: 07/09/12 11:15 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00156	NXN ICV INT 00149	AnalysisComment
280-30455-D-6	LF1SW0301UA	350.1	T			Not Calculated. Perform Calculation left blank			ph<2
280-30455-D-7	062612UE	350.1	T			Not Calculated. Perform Calculation left blank			ph<2
CCV 280-127015/146		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	5 mL		
CCVL 280-127015/147		350.1		100 mL	100 mL	Not Calculated. Perform Calculation left blank	1 mL		
CCB 280-127015/148		350.1				Not Calculated. Perform Calculation left blank			

Batch Notes	
Buffer Reagent ID Number	NH3 Buffer_00014
Hypochlorite Reagent ID Number	Hypochlorite_00195
Sodium Nitroprusside Reagent ID	Nitroprusside_00024
Pipette ID	5000m, 1000t, 100i
Perform Calculation (0=No, 1=Yes)	1
Sodium Phenolate Reagent ID Number	Phenolate NH3_00042

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 128384 Batch Start Date: 07/18/12 19:00 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date: 07/18/12 23:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	TKN 25ppm 00101		
LCS 280-128384/1		351.2, 351.2			25 mL	25 mL	6 mL		
LCSD 280-128384/2		351.2, 351.2			25 mL	25 mL	6 mL		
MB 280-128384/3		351.2, 351.2			25 mL	25 mL			
280-30455-C-1	LF1M01R11UA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30455-C-2	LF1M1411UA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30455-C-4	LF1SW0101UA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30455-C-5	LF1SW02SMC01UA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30455-C-6	LF1SW0301UA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30455-C-7	062612UE	351.2, 351.2	T	< 2	25 mL	25 mL			

Batch Notes	
Batch Comment	5000Q
Block Digestion End time	2315
Block Digestion Start time	1900
Block Digestor Name	TKN A
Digestion Solution Used	TKN Digestion_0009
Oven, Bath or Block Temperature 1	140 Degrees C
Oven, Bath or Block Temperature 2	380 Degrees C

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 128608 Batch Start Date: 07/19/12 22:01 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TKN 25ppm 00101	TKN ICV 00003			
ICV 280-128608/13		351.2		4 mL		2 mL			
ICB 280-128608/14		351.2		4 mL					
CCV 280-128608/93		351.2		25 mL	5 mL				
CCB 280-128608/94		351.2		4 mL					
LCS 280-128384/1-A		351.2		4 mL					
LCSD 280-128384/2-A		351.2		4 mL					
MB 280-128384/3-A		351.2		4 mL					
280-30455-C-1-A	LF1M01R11UA	351.2	T	4 mL					
280-30455-C-2-A	LF1M1411UA	351.2	T	4 mL					
CCV 280-128608/107		351.2		25 mL	5 mL				
CCB 280-128608/108		351.2		4 mL					
280-30455-C-4-A	LF1SW0101UA	351.2	T	4 mL					
280-30455-C-5-A	LF1SW02SMC01UA	351.2	T	4 mL					
280-30455-C-6-A	LF1SW0301UA	351.2	T	4 mL					
280-30455-C-7-A	062612UE	351.2	T	4 mL					
CCV 280-128608/117		351.2		25 mL	5 mL				
CCB 280-128608/118		351.2		4 mL					

Batch Notes	
Batch Comment	5000M/1000N
Buffer Reagent ID Number	TKN Buffer_00010
Hypochlorite Solution Lot Number	TKN Hypochl_00096
Salicylate Nitroprusside Reagent ID	Sodium Nitro_00007
First Ending Temperature	57.0 Celsius
First Starting Temperature	57.0 Celsius

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 128608 Batch Start Date: 07/19/12 22:01 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date:

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 124298 Batch Start Date: 06/16/12 10:55 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	COD cal std 00014			
IC 280-124298/1		410.4		50 mL	50 mL	0.5 mL			
IC 280-124298/2		410.4		50 mL	50 mL	1 mL			
IC 280-124298/3		410.4		50 mL	50 mL	2.5 mL			
IC 280-124298/4		410.4		50 mL	50 mL	5 mL			
IC 280-124298/5		410.4		50 mL	50 mL	7.5 mL			
IC 280-124298/6		410.4		50 mL	50 mL	10 mL			

Batch Notes	
Batch Comment	420nm, WC-5000-N, WC-1000-H
Block Digestion End time	AA: 13:30 BB: 13:55 AA: 15:45
Block Digestion Start time	AA: 11:30 BB:11:55 AA: 13:45
Block Digestor Name	HACH DRB 200
Oven, Bath or Block Temperature 1	AA: 150 BB:150 AA: 150
Oven, Bath or Block Temperature 2	AA: 150 BB: 150
Sufficient volume for MS/MSD?	yes
Vial Lot Number	A2130 05/31/17

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 126498 Batch Start Date: 07/03/12 10:07 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	COD cal std 00014	COD icv std 00009
ICV 280-126498/1		410.4		50 mL	50 mL				5 mL
ICB 280-126498/2		410.4		2 mL	2 mL				
LCS 280-126498/3		410.4		100 mL	100 mL			10 mL	
LCSD 280-126498/4		410.4		100 mL	100 mL			10 mL	
MB 280-126498/5		410.4		2 mL	2 mL				
280-30455-C-1	LF1M01R11UA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30455-C-2	LF1M1411UA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30455-C-2 MS	LF1M1411UA	410.4	T	100 mL	100 mL	<2 SU	<2 SU		
280-30455-C-2 MSD	LF1M1411UA	410.4	T	100 mL	100 mL	<2 SU	<2 SU		
280-30455-C-4	LF1SW0101UA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30455-C-5	LF1SW02SMC01UA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30455-C-6	LF1SW0301UA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30455-C-7	062612UE	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
CCV 280-126498/16		410.4		100 mL	100 mL			10 mL	
CCB 280-126498/17		410.4		2 mL	2 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	cod ms/msd 00006	AnalysisComment				
ICV 280-126498/1		410.4							
ICB 280-126498/2		410.4							
LCS 280-126498/3		410.4							
LCSD 280-126498/4		410.4							
MB 280-126498/5		410.4							
280-30455-C-1	LF1M01R11UA	410.4	T		CL <2000				
280-30455-C-2	LF1M1411UA	410.4	T		CL <2000				
280-30455-C-2 MS	LF1M1411UA	410.4	T	0.5 mL	CL <2000				

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 126498 Batch Start Date: 07/03/12 10:07 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	cod ms/msd 00006	AnalysisComment				
280-30455-C-2 MSD	LF1M1411UA	410.4	T	0.5 mL	CL <2000				
280-30455-C-4	LF1SW0101UA	410.4	T		CL <2000				
280-30455-C-5	LF1SW02SMC01UA	410.4	T		CL <2000				
280-30455-C-6	LF1SW0301UA	410.4	T		CL <2000				
280-30455-C-7	062612UE	410.4	T		CL <2000				
CCV 280-126498/16		410.4							
CCB 280-126498/17		410.4							

Batch Notes	
Batch Comment	420nm, WC-5000-X, WC-1000-Q
Block Digestion End time	AA: 15:34
Block Digestion Start time	AA: 13:34
Block Digestor Name	HACH DRB 200
Oven, Bath or Block Temperature 1	AA: 150
Oven, Bath or Block Temperature 2	AA: 150
Sufficient volume for MS/MSD?	yes
Vial Lot Number	A2130 exp: 05/31/17

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 126223 Batch Start Date: 06/27/12 13:00 Batch Analyst: Ayala, Delaina

Batch Method: SM 2120B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TurbidityRemoved				
MB 280-126223/1		SM 2120B		50 mL	N				
280-30455-A-1	LF1M01R11UA	SM 2120B	T	50 mL	Y				
280-30455-A-1 DU	LF1M01R11UA	SM 2120B	T	50 mL	Y				
280-30455-A-2	LF1M1411UA	SM 2120B	T	50 mL	Y				
280-30455-A-3	LF1M10318UA	SM 2120B	T	50 mL	Y				
280-30455-A-4	LF1SW0101UA	SM 2120B	T	50 mL	Y				
280-30455-A-5	LF1SW02SMC01UA	SM 2120B	T	50 mL	Y				
280-30455-A-6	LF1SW0301UA	SM 2120B	T	50 mL	Y				
280-30455-A-7	062612UE	SM 2120B	T	50 mL	Y				

Batch Notes	
Batch Comment	NESSLER TUBES
Color Standards Lot #	1316339

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 128483 Batch Start Date: 07/19/12 12:25 Batch Analyst: Allen, Andrew J

Batch Method: SM 2340C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	BuretStart1	BuretStop1	TitrantVolume1	CalcMsg
MB 280-128483/1		SM 2340C		25 mL	25 mL	0.00 mL	0.00 mL	0 mL	OK
LCS 280-128483/2		SM 2340C		25 mL	25 mL	0.00 mL	10.20 mL	10.2 mL	OK
LCSD 280-128483/3		SM 2340C		25 mL	25 mL	0.00 mL	10.13 mL	10.13 mL	OK
280-30455-E-1	LF1M01R11UA	SM 2340C	T	25 mL	25 mL	0.00 mL	1.88 mL	1.88 mL	OK
280-30455-E-2	LF1M1411UA	SM 2340C	T	25 mL	25 mL	0.00 mL	2.14 mL	2.14 mL	OK
280-30455-E-4	LF1SW0101UA	SM 2340C	T	25 mL	25 mL	0.00 mL	6.37 mL	6.37 mL	OK
280-30455-E-5	LF1SW02SMC01UA	SM 2340C	T	25 mL	25 mL	0.00 mL	9.21 mL	9.21 mL	OK
280-30455-E-6	LF1SW0301UA	SM 2340C	T	25 mL	25 mL	0.00 mL	3.94 mL	3.94 mL	OK
280-30455-E-7	062612UE	SM 2340C	T	25 mL	25 mL	0.00 mL	0.00 mL	0 mL	OK

Lab Sample ID	Client Sample ID	Method Chain	Basis	Hard lcs std 00022					
MB 280-128483/1		SM 2340C							
LCS 280-128483/2		SM 2340C		10 mL					
LCSD 280-128483/3		SM 2340C		10 mL					
280-30455-E-1	LF1M01R11UA	SM 2340C	T						
280-30455-E-2	LF1M1411UA	SM 2340C	T						
280-30455-E-4	LF1SW0101UA	SM 2340C	T						
280-30455-E-5	LF1SW02SMC01UA	SM 2340C	T						
280-30455-E-6	LF1SW0301UA	SM 2340C	T						
280-30455-E-7	062612UE	SM 2340C	T						

Batch Notes	
Buffer Lot #	Hardness Buffer 00012
EDTA Lot Number	EDTA Titrant 00010
Indicator Lot	Calmagite 00001
Nominal Amount Used	25 mL
Pipette ID	5000-L
Perform Calculation (0=No, 1=Yes)	1
Normality of first Titrant	0.01960 N
Titrant Standardization Date	071712

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 128483 Batch Start Date: 07/19/12 12:25 Batch Analyst: Allen, Andrew J

Batch Method: SM 2340C Batch End Date:

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 125972 Batch Start Date: 06/27/12 10:46 Batch Analyst: Kudla, Ewa

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	IC CAL INT1 00160	IC daily cal 00825	IC ICV daily 00825		
ICV 280-125972/9		9056A					5 mL		
MRL 280-125972/12		9056A		5 mL	0.02 mL				
LCS 280-125972/13		9056A				5 mL			
LCSD 280-125972/14		9056A				5 mL			
CCV 280-125972/26		9056A				5 mL			
CCV 280-125972/38		9056A				5 mL			
CCV 280-125972/50		9056A				5 mL			

Batch Notes	
Eluent 1 Lot	120272705019
Filter Lot #	koja5815-2111
Pipette ID	wc5000-ic, wc1000-u, wc100-c

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 125973 Batch Start Date: 06/27/12 10:46 Batch Analyst: Kudla, Ewa

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	IC CAL INT1 00160	IC daily cal 00825	IC ICV daily 00825	
ICV 280-125973/9		9056A			OK			5 mL	
ICB 280-125973/10		9056A			OK				
MRL 280-125973/11		9056A		5 mL	OK	0.05 mL			
MRL 280-125973/12		9056A		5 mL	OK	0.02 mL			
LCS 280-125973/13		9056A			OK		5 mL		
LCSD 280-125973/14		9056A			OK		5 mL		
MB 280-125973/15		9056A			OK				
280-30455-B-1	LF1M01R11UA	9056A	T		OK				
280-30455-B-2	LF1M1411UA	9056A	T		OK				
280-30455-A-3	LF1M10318UA	9056A	T		OK				
280-30455-B-4	LF1SW0101UA	9056A	T		OK				
280-30455-B-5	LF1SW02SMC01UA	9056A	T		OK				
280-30455-B-6	LF1SW0301UA	9056A	T		OK				
280-30455-B-7	062612UE	9056A	T		OK				
CCV 280-125973/26		9056A			OK		5 mL		
CCB 280-125973/27		9056A			OK				
CCV 280-125973/62		9056A			OK		5 mL		
CCB 280-125973/63		9056A			OK				
CCV 280-125973/71		9056A			OK		5 mL		
CCB 280-125973/72		9056A			OK				

Batch Notes	
Perform Calculation (0=No, 1=Yes)	1

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 128577 Batch Start Date: 07/18/12 19:41 Batch Analyst: Bandy, Darlene F

Batch Method: 9060A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TOC ICV Std 00012	TOC LCS Std 00013	AnalysisComment		
ICV 280-128577/1		9060A		50 mL	1 mL		pH <2		
ICB 280-128577/2		9060A					pH <2		
LCS 280-128577/9		9060A		200 mL		5 mL	pH <2		
LCSD 280-128577/10		9060A		200 mL		5 mL	pH <2		
MB 280-128577/11		9060A					pH <2		
280-30455-D-1	LF1M01R11UA	9060A	T				pH <2		
CCV 280-128577/16		9060A		200 mL		5 mL	pH <2		
CCB 280-128577/17		9060A					pH <2		
280-30455-D-2	LF1M1411UA	9060A	T				pH <2		
280-30455-D-4	LF1SW0101UA	9060A	T				pH <2		
280-30455-D-5	LF1SW02SMC01UA	9060A	T				pH <2		
280-30455-D-6	LF1SW0301UA	9060A	T				pH <2		
280-30455-D-7	062612UE	9060A	T				pH <2		
CCV 280-128577/28		9060A		200 mL		5 mL	pH <2		
CCB 280-128577/29		9060A					pH <2		

Batch Notes	
Batch Comment	0.2% H2SO4_00044, 0.2%H2SO4_00055
Pipette ID	wc5000-x, wc1000-t

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 126467 Batch Start Date: 07/02/12 10:16 Batch Analyst: Allen, Andrew J

Batch Method: SM 2320B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	Alk daily lcs 00256				
LCS 280-126467/4		SM 2320B		InitialAmount is blank	10 mL				
LCSD 280-126467/5		SM 2320B		InitialAmount is blank	10 mL				
MB 280-126467/6		SM 2320B		InitialAmount is blank					
CCV 280-126467/17		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-126467/18		SM 2320B		InitialAmount is blank					
280-30455-A-1	LF1M01R11UA	SM 2320B	T	InitialAmount is blank					
280-30455-A-2	LF1M1411UA	SM 2320B	T	InitialAmount is blank					
280-30455-A-3	LF1M10318UA	SM 2320B	T	InitialAmount is blank					
280-30455-A-4	LF1SW0101UA	SM 2320B	T	InitialAmount is blank					
280-30455-A-5	LF1SW02SMC01UA	SM 2320B	T	InitialAmount is blank					
280-30455-A-6	LF1SW0301UA	SM 2320B	T	InitialAmount is blank					
280-30455-A-7	062612UE	SM 2320B	T	InitialAmount is blank					
CCV2 280-126467/29		SM 2320B		InitialAmount is blank	10 mL				
CCB2 280-126467/30		SM 2320B		InitialAmount is blank					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 126467 Batch Start Date: 07/02/12 10:16 Batch Analyst: Allen, Andrew J

Batch Method: SM 2320B Batch End Date:

Batch Notes	
Batch Comment	ICV pH 7.0 Buffer 00044
pH Buffer 1 ID	pH 4.0 Buffer 00072
pH Buffer 2 ID	pH 7.0 Buffer 00082
pH Buffer 3 ID	pH 10.0 Buffer 00060
First End time	1606
Sulfuric Acid Lot Number	0.02 H2SO4 00073
Sulfuric Acid Vendor	Fisher
Nominal Amount Used	10 mL
Pipette ID	5000-L
Probe ID	pH Probe 3
First Start time	1016
Normality of first Titrant	0.02 N

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 126308 Batch Start Date: 07/02/12 10:13 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	InitialAmount	TareWeight	Weight1	Weight2	Weight3
MB 280-126308/1		SM 2540C		0.78 umhos/cm	100 mL	67.2210 g	67.2212 g	67.2210 g	0 g
LCS 280-126308/2		SM 2540C			100 mL	70.0941 g	70.1440 g	70.1427 g	70.1427 g
LCSD 280-126308/3		SM 2540C			100 mL	69.6492 g	69.6979 g	69.6978 g	0 g
280-30455-B-1	LF1M01R11UA	SM 2540C	T	141 umhos/cm	100 mL	66.6880 g	66.6970 g	66.6969 g	0 g
280-30455-B-2	LF1M1411UA	SM 2540C	T	181 umhos/cm	100 mL	74.6631 g	74.6733 g	74.6735 g	0 g
280-30455-A-3	LF1M10318UA	SM 2540C	T	1154 umhos/cm	100 mL	74.0784 g	74.1155 g	74.1153 g	74.1153 g
280-30455-B-4	LF1SW0101UA	SM 2540C	T	450 umhos/cm	100 mL	75.6801 g	75.7049 g	75.7044 g	75.7044 g
280-30455-B-5	LF1SW02SMC01UA	SM 2540C	T	711 umhos/cm	100 mL	66.8988 g	66.9389 g	66.9385 g	66.9385 g
280-30455-B-6	LF1SW0301UA	SM 2540C	T	323 umhos/cm	100 mL	66.7219 g	66.7419 g	66.7414 g	66.7411 g
280-30455-B-7	062612UE	SM 2540C	T	1.34 umhos/cm	100 mL	66.7257 g	66.7261 g	66.7260 g	0 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	WeightOne%Diff	WeightTwo%Diff	Residue	Residue2	Residue3	FinalAmount
MB 280-126308/1		SM 2540C		PASS_D No Unit		0.00020 g	0.00000 g		100 mL
LCS 280-126308/2		SM 2540C		NOPE_B No Unit	PASS_B No Unit	0.04990 g	0.04860 g	0.0486000000000075 g	100 mL
LCSD 280-126308/3		SM 2540C		PASS_D No Unit		0.04870 g	0.04860 g		100 mL
280-30455-B-1	LF1M01R11UA	SM 2540C	T	PASS_D No Unit		0.00900 g	0.00890 g		100 mL
280-30455-B-2	LF1M1411UA	SM 2540C	T	PASS_D No Unit		0.01020 g	0.01040 g		100 mL
280-30455-A-3	LF1M10318UA	SM 2540C	T	PASS_D No Unit	PASS_B No Unit	0.03710 g	0.03690 g	0.0369000000000028 g	100 mL
280-30455-B-4	LF1SW0101UA	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.02480 g	0.02430 g	0.0243000000000109 g	100 mL
280-30455-B-5	LF1SW02SMC01UA	SM 2540C	T	PASS_D No Unit	PASS_B No Unit	0.04010 g	0.03970 g	0.0397000000000105 g	100 mL
280-30455-B-6	LF1SW0301UA	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.02000 g	0.01950 g	0.0191999999999979 g	100 mL
280-30455-B-7	062612UE	SM 2540C	T	PASS_D No Unit		0.00040 g	0.00030 g		100 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	TDS LCS 00281	AnalysisComment				
MB 280-126308/1		SM 2540C							
LCS 280-126308/2		SM 2540C		100 mL	2nd wght 70.1435				
LCSD 280-126308/3		SM 2540C		100 mL					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 126308 Batch Start Date: 07/02/12 10:13 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TDS LCS 00281	AnalysisComment				
280-30455-B-1	LF1M01R11UA	SM 2540C	T						
280-30455-B-2	LF1M1411UA	SM 2540C	T						
280-30455-A-3	LF1M10318UA	SM 2540C	T		2nd wght 74.1160				
280-30455-B-4	LF1SW0101UA	SM 2540C	T		2nd wght 75.7054				
280-30455-B-5	LF1SW02SMC01UA	SM 2540C	T		2nd wght 66.9394				
280-30455-B-6	LF1SW0301UA	SM 2540C	T						
280-30455-B-7	062612UE	SM 2540C	T						

Batch Notes	
Balance ID	D91301
Constant Weight (WT2) Date/Time in Oven	7/3/12 13:30
Constant Weight (WT2) Date/Time Out	7/3/12 15:40
Constant Weight (WT2) Temp In	181 Celsius
Constant Weight (WT2) Temp Out	181 Celsius
Constant Weight (WT3) Date/time In	7/5/12 11:45
Constant Weight (WT3) Date/Time Out	7/5/12 13:20
Constant Weight (WT3) Temp In	178 Celsius
Constant Weight (WT3) Temp Out	178 Celsius
Filter Paper Lot Number	millipore lot#r2aa74409 and r2ca94093
Date samples were placed in the oven	7/2/12 13:40
Oven Temp when samples are put in oven	180 Celsius
Nominal Amount Used	100 mL
Date samples were removed from oven	7/3/12 7:45
Oven Temp when samples removed from oven	181 Celsius
Oven ID	A
Oven Temperature Verification	180 Celsius
ID number of the thermometer	14-983-17c
Uncorrected In Temperature	180 Celsius
Uncorrected Out Temperature	181 Celsius

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 126308 Batch Start Date: 07/02/12 10:13 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 125739 Batch Start Date: 06/27/12 06:59 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ResidualChloCheck	InitialTemp	Initial_DO	Initial pH	FinTemp	Final_DO
SCB 280-125739/9		SM5210B			19.24 Celsius	7.58 mg/L		21.39 Celsius	7.20 mg/L
USB 280-125739/10		SM5210B			19.22 Celsius	7.61 mg/L		21.32 Celsius	7.28 mg/L
LCS 280-125739/12		SM5210B							
LCSD 280-125739/13		SM5210B							
MB 280-125739/14		SM5210B							
280-30455-A-1	LF1M01R11UA	SM5210B	T	NEG	19.03 Celsius	7.64 mg/L	6.58	21.78 Celsius	7.17 mg/L
280-30455-A-2	LF1M1411UA	SM5210B	T	NEG	19.13 Celsius	7.65 mg/L	6.52	21.76 Celsius	7.19 mg/L
280-30455-A-4	LF1SW0101UA	SM5210B	T	NEG	19.34 Celsius	7.58 mg/L	7.33	21.73 Celsius	7.19 mg/L
280-30455-A-5	LF1SW02SMC01UA	SM5210B	T	NEG	19.32 Celsius	7.59 mg/L	6.97	21.79 Celsius	7.17 mg/L
280-30455-A-6	LF1SW0301UA	SM5210B	T	NEG	19.76 Celsius	7.57 mg/L	7.35	21.77 Celsius	7.18 mg/L
280-30455-A-7	062612UE	SM5210B	T	NEG	19.69 Celsius	7.56 mg/L	7.43	21.83 Celsius	7.16 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Num	Bot1Amt	Bot1IDO	Bot1FDO	Bot1Dep	Bot1BOD
SCB 280-125739/9		SM5210B		A	15 mL	7.54 mg/L	5.01 mg/L	2.53 mg/L	0.675 mg/L
USB 280-125739/10		SM5210B		E	300 mL	7.56 mg/L	7.07 mg/L	0.49 mg/L	0.49 mg/L
LCS 280-125739/12		SM5210B		I	6 mL	7.44 mg/L	2.57 mg/L	4.87 mg/L	211.435 mg/L
LCSD 280-125739/13		SM5210B		J	6 mL	7.50 mg/L	2.60 mg/L	4.9 mg/L	212.935 mg/L
MB 280-125739/14		SM5210B		K	300 mL	7.49 mg/L	6.54 mg/L	0.95 mg/L	0.309 mg/L
280-30455-A-1	LF1M01R11UA	SM5210B	T	142	10 mL	7.49 mg/L	6.16 mg/L	1.33 mg/L	19.26 mg/L
280-30455-A-2	LF1M1411UA	SM5210B	T	147	10 mL	7.43 mg/L	6.29 mg/L	1.14 mg/L	13.56 mg/L
280-30455-A-4	LF1SW0101UA	SM5210B	T	152	10 mL	7.39 mg/L	6.29 mg/L	1.1 mg/L	12.36 mg/L
280-30455-A-5	LF1SW02SMC01UA	SM5210B	T	157	10 mL	7.38 mg/L	6.32 mg/L	1.06 mg/L	11.16 mg/L
280-30455-A-6	LF1SW0301UA	SM5210B	T	162	10 mL	7.40 mg/L	6.21 mg/L	1.19 mg/L	15.06 mg/L
280-30455-A-7	062612UE	SM5210B	T	167	10 mL	6.37 mg/L			

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Use	Bot1%DO	Bot2Num	Bot2Amt	Bot2IDO	Bot2FDO
SCB 280-125739/9		SM5210B		No. % DO < 50%	34 %	B	20 mL	7.55 mg/L	4.40 mg/L

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 125739 Batch Start Date: 06/27/12 06:59 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Use	Bot1%DO	Bot2Num	Bot2Amt	Bot2IDO	Bot2FDO
USB 280-125739/10		SM5210B		Yes. USB		F	300 mL	7.56 mg/L	7.16 mg/L
LCS 280-125739/12		SM5210B		YES. Pass					
LCSD 280-125739/13		SM5210B		YES. Pass					
MB 280-125739/14		SM5210B		No. DO Deplete Fail					
280-30455-A-1	LF1M01R11UA	SM5210B	T	No. DO Deplete Fail		143	25 mL	7.41 mg/L	6.19 mg/L
280-30455-A-2	LF1M1411UA	SM5210B	T	No. DO Deplete Fail		148	25 mL	7.38 mg/L	6.21 mg/L
280-30455-A-4	LF1SW0101UA	SM5210B	T	No. DO Deplete Fail		153	25 mL	7.34 mg/L	6.29 mg/L
280-30455-A-5	LF1SW02SMC01UA	SM5210B	T	No. DO Deplete Fail		158	25 mL	7.37 mg/L	6.42 mg/L
280-30455-A-6	LF1SW0301UA	SM5210B	T	No. DO Deplete Fail		163	25 mL	7.39 mg/L	6.11 mg/L
280-30455-A-7	062612UE	SM5210B	T			168	25 mL	7.39 mg/L	6.31 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot2%DO	Bot2Dep	Bot2BOD	Bot2Use	Bot3Num	Bot3Amt
SCB 280-125739/9		SM5210B		42 %	3.15 mg/L	0.63 mg/L	No. % DO < 50%	C	25 mL
USB 280-125739/10		SM5210B			0.4 mg/L	0.4 mg/L	Yes. Pass	G	300 mL
LCS 280-125739/12		SM5210B							
LCSD 280-125739/13		SM5210B							
MB 280-125739/14		SM5210B							
280-30455-A-1	LF1M01R11UA	SM5210B	T		1.22 mg/L	6.384 mg/L	No. DO Deplete Fail	144	60 mL
280-30455-A-2	LF1M1411UA	SM5210B	T		1.17 mg/L	5.784 mg/L	No. DO Deplete Fail	149	60 mL
280-30455-A-4	LF1SW0101UA	SM5210B	T		1.05 mg/L	4.344 mg/L	No. DO Deplete Fail	154	60 mL
280-30455-A-5	LF1SW02SMC01UA	SM5210B	T		0.95 mg/L	3.144 mg/L	No. DO Deplete Fail	159	60 mL
280-30455-A-6	LF1SW0301UA	SM5210B	T		1.28 mg/L	7.104 mg/L	No. DO Deplete Fail	164	60 mL
280-30455-A-7	062612UE	SM5210B	T		6.04 mg/L			169	60 mL

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 125739 Batch Start Date: 06/27/12 06:59 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot3IDO	Bot3FDO	Bot3Dep	Bot3BOD	Bot3%DO	Bot3Use
SCB 280-125739/9		SM5210B		7.52 mg/L	3.39 mg/L	4.13 mg/L	0.661 mg/L	55 %	YES. Pass
USB 280-125739/10		SM5210B		7.53 mg/L	7.10 mg/L	0.43 mg/L	0.43 mg/L		Yes. Pass
LCS 280-125739/12		SM5210B							
LCSD 280-125739/13		SM5210B							
MB 280-125739/14		SM5210B							
280-30455-A-1	LF1M01R11UA	SM5210B	T	7.28 mg/L	6.09 mg/L	1.19 mg/L	2.51 mg/L		NO. Deplete Fail
280-30455-A-2	LF1M1411UA	SM5210B	T	7.39 mg/L	6.12 mg/L	1.27 mg/L	2.91 mg/L		NO. Deplete Fail
280-30455-A-4	LF1SW0101UA	SM5210B	T	7.24 mg/L	6.15 mg/L	1.09 mg/L	2.01 mg/L		NO. Deplete Fail
280-30455-A-5	LF1SW02SMC01UA	SM5210B	T	7.34 mg/L	6.25 mg/L	1.09 mg/L	2.01 mg/L		NO. Deplete Fail
280-30455-A-6	LF1SW0301UA	SM5210B	T	7.43 mg/L	5.99 mg/L	1.44 mg/L	3.76 mg/L		NO. Deplete Fail
280-30455-A-7	062612UE	SM5210B	T	7.46 mg/L	6.03 mg/L	6.04 mg/L			

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot4Num	Bot4Amt	Bot4IDO	Bot4FDO	Bot4Dep	Bot4BOD
SCB 280-125739/9		SM5210B		D	30 mL	2.64 mg/L			
USB 280-125739/10		SM5210B							
LCS 280-125739/12		SM5210B							
LCSD 280-125739/13		SM5210B							
MB 280-125739/14		SM5210B							
280-30455-A-1	LF1M01R11UA	SM5210B	T	145	120 mL	6.97 mg/L	5.73 mg/L	1.24 mg/L	1.38 mg/L
280-30455-A-2	LF1M1411UA	SM5210B	T	150	120 mL	7.45 mg/L	6.17 mg/L	1.28 mg/L	1.48 mg/L
280-30455-A-4	LF1SW0101UA	SM5210B	T	155	120 mL	7.30 mg/L	5.80 mg/L	1.5 mg/L	2.03 mg/L
280-30455-A-5	LF1SW02SMC01UA	SM5210B	T	160	120 mL	7.03 mg/L	4.64 mg/L	2.39 mg/L	4.255 mg/L
280-30455-A-6	LF1SW0301UA	SM5210B	T	165	120 mL	7.67 mg/L	5.97 mg/L	1.7 mg/L	2.53 mg/L
280-30455-A-7	062612UE	SM5210B	T	170	120 mL	7.79 mg/L	6.18 mg/L		

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot4Use	Bot5Num	Bot5Amt	Bot5IDO	Bot5FDO	Bot5Dep

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 125739 Batch Start Date: 06/27/12 06:59 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot4Use	Bot5Num	Bot5Amt	Bot5IDO	Bot5FDO	Bot5Dep
SCB 280-125739/9		SM5210B							
USB 280-125739/10		SM5210B							
LCS 280-125739/12		SM5210B							
LCSD 280-125739/13		SM5210B							
MB 280-125739/14		SM5210B							
280-30455-A-1	LF1M01R11UA	SM5210B	T	NO. Deplete Fail	146	240 mL	5.86 mg/L	4.70 mg/L	1.16 mg/L
280-30455-A-2	LF1M1411UA	SM5210B	T	NO. Deplete Fail	151	240 mL	7.49 mg/L	5.76 mg/L	1.73 mg/L
280-30455-A-4	LF1SW0101UA	SM5210B	T	NO. Deplete Fail	156	240 mL	7.01 mg/L	4.76 mg/L	2.25 mg/L
280-30455-A-5	LF1SW02SMC01UA	SM5210B	T	YES. Pass	161	240 mL	6.44 mg/L	2.30 mg/L	4.14 mg/L
280-30455-A-6	LF1SW0301UA	SM5210B	T	NO. Deplete Fail	166	240 mL	8.23 mg/L	6.10 mg/L	2.13 mg/L
280-30455-A-7	062612UE	SM5210B	T		171	240 mL	8.31 mg/L	6.46 mg/L	

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot5BOD	Bot5Use	CalcMsg	FinalAmount	BOD Daily LCS 00529	AnalysisComment
SCB 280-125739/9		SM5210B				Not Calculated. Bot 4 Fin. DO left blank.	300 mL		
USB 280-125739/10		SM5210B				BOD OK	300 mL		
LCS 280-125739/12		SM5210B				BOD OK	300 mL	6 mL	
LCSD 280-125739/13		SM5210B				BOD OK	300 mL	6 mL	
MB 280-125739/14		SM5210B				No dilutions passed.	300 mL		
280-30455-A-1	LF1M01R11UA	SM5210B	T	0.59 mg/L	NO. Deplete Fail	No dilutions passed.	300 mL		
280-30455-A-2	LF1M1411UA	SM5210B	T	1.303 mg/L	NO. Deplete Fail	No dilutions passed.	300 mL		
280-30455-A-4	LF1SW0101UA	SM5210B	T	1.953 mg/L	YES. Pass	BOD OK	300 mL		
280-30455-A-5	LF1SW02SMC01UA	SM5210B	T	4.315 mg/L	YES. Pass	BOD OK	300 mL		
280-30455-A-6	LF1SW0301UA	SM5210B	T	1.803 mg/L	YES. Pass	BOD OK	300 mL		

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30455-1

SDG No.:

Batch Number: 125739 Batch Start Date: 06/27/12 06:59 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot5BOD	Bot5Use	CalcMsg	FinalAmount	BOD Daily LCS 00529	AnalysisComment
280-30455-A-7	062612UE	SM5210B	T			Bot. 1 Fin. DO left blank	300 mL		Initial post do reading 19.58C 7.52MG/L temp 21.77 do 7.16

Batch Notes	
Barometric Pressure at Time of Analysis	752mmhg
Batch Comment	WC5000IC
Sulfuric Acid Lot Number	H2SO4 _00001
Incubator ID	bod1
Incubator Temperature	20.5 Degrees C
Sodium Hydroxide Reagent ID Number	NAOH_00003
Nitrification Inhibitor ID	NITRIFINHIBI_00001
Nominal Amount Used	300 mL
Nutrient Buffer Pillow Lot #	BOD PILLOWS _00002
pH Meter ID	MO201543/001-1633
Perform Calculation (0=No, 1=Yes)	1
Amount of Seed added to each Sample	4 mL
Seed Correction	0.688 mg/L
Seed Lot	POLYSEED_00003/seeded @ 1100 AND @ 1830/ SEED WINDOW 1030-1630/ 1400-1900

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-30455-1

Login Number: 30455

List Source: TestAmerica Denver

List Number: 1

Creator: Lazarte, Noah M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	COC not relinquished.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30184-1

Job Description: Griffiss AFB LF6 LTM

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Julie L Dreesen
Project Mgmt. Assistant
7/17/2012 2:49 PM

Designee for
Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/17/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB LF6 LTM
Report Number: 280-30184-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Eight samples were received on 06/19/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 3.6 ºC and 3.1ºC.

As instructed by the client, samples requesting BOD analysis have not been reported as the QC for the batch did not pass for an unknown reason. Samples will be recollected and resubmitted at a later date.

COLOR

Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for color in accordance with SM20 2120B - Colorimetric. The samples were analyzed on 06/20/2012.

No difficulties were encountered during the color analyses.

All quality control parameters were within the acceptance limits.

ALKALINITY

Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 06/22/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

HARDNESS

Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for hardness in accordance with SM20 2340C. The samples were analyzed on 07/06/2012.

No difficulties were encountered during the hardness analyses.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS

Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 06/25/2012.

No difficulties were encountered during the TDS analyses.

All quality control parameters were within the acceptance limits.

AMMONIA

Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 06/29/2012.

Ammonia was detected in method blank MB 280-126205/20 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 280-126205, performed on sample LF6VM10R230QA (280-30184-1), were outside control limits for Ammonia. The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

TOTAL KJELDAHL NITROGEN

Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 07/05/2012 and analyzed on 07/07/2012.

Nitrogen, Kjeldahl was detected in method blank MB 280-126750/3-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 280-126750, performed on sample LF6VM10R230QA (280-30184-1), were outside control limits for Nitrogen, Kjeldahl. The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the TKN analyses.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND

Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for chemical oxygen demand in accordance with EPA Method 410.4. The samples were analyzed on 06/19/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

ANIONS (28 DAYS)

Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for anions (28 days) in accordance with EPA SW-846 Method 9056. The samples were analyzed on 06/19/2012.

Samples LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), and LF6VM2068QA (280-30184-4), requesting Chloride analysis, required dilution prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

The matrix spike duplicate (MSD) recovery for batch 280-124774, performed on sample LF6VM10R230QA (280-30184-1), was outside control limits for Chloride. The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

ANIONS (48 HOURS)

Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for anions (48 hours) in accordance with EPA SW-846 Method 9056A. The samples were analyzed on 06/19/2012.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Samples LF6VM10R230QA (280-30184-1), LF6VM1850QA (280-30184-2), LF6VM1926QA (280-30184-3), LF6VM2068QA (280-30184-4), LF6VM2175QA (280-30184-5), LF6VM2235QA (280-30184-6), LF6VM2235QC (280-30184-7) and 061812QE (280-30184-8) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 07/11/2012.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30184-1	LF6VM10R230QA	Water	06/18/2012 1200	06/19/2012 0900
280-30184-2	LF6VM1850QA	Water	06/18/2012 1441	06/19/2012 0900
280-30184-3	LF6VM1926QA	Water	06/18/2012 1341	06/19/2012 0900
280-30184-4	LF6VM2068QA	Water	06/18/2012 1223	06/19/2012 0900
280-30184-5	LF6VM2175QA	Water	06/18/2012 1045	06/19/2012 0900
280-30184-6	LF6VM2235QA	Water	06/18/2012 1305	06/19/2012 0900
280-30184-7FD	LF6VM2235QC	Water	06/18/2012 1305	06/19/2012 0900
280-30184-8EB	061812QE	Water	06/18/2012 1500	06/19/2012 0900

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30184-1	**LF6VM10R230QA**					
Ammonia		0.22	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.69	J	1.0	mg/L	351.2
Chemical Oxygen Demand		6.0	J	20	mg/L	410.4
Nitrate as N		0.86		0.50	mg/L	9056A
Chloride		5.2	J	3.0	mg/L	9056A
Nitrate Nitrite as N		0.86		0.50	mg/L	9056A
Sulfate		19		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.50	J	1.0	mg/L	9060A
Alkalinity		100		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		130		5.0	mg/L	SM 2340C
Total Dissolved Solids		140		10	mg/L	SM 2540C
280-30184-2	**LF6VM1850QA**					
Ammonia		0.096	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.74	J	1.0	mg/L	351.2
Chemical Oxygen Demand		7.3	J	20	mg/L	410.4
Chloride		92		15	mg/L	9056A
Sulfate		42		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.67	J	1.0	mg/L	9060A
Alkalinity		260		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		310		5.0	mg/L	SM 2340C
Total Dissolved Solids		430		10	mg/L	SM 2540C
280-30184-3	**LF6VM1926QA**					
Ammonia		0.099	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.58	J	1.0	mg/L	351.2
Chemical Oxygen Demand		5.0	J	20	mg/L	410.4
Nitrate as N		3.4		0.50	mg/L	9056A
Chloride		82		15	mg/L	9056A
Nitrate Nitrite as N		3.4		0.50	mg/L	9056A
Sulfate		18		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.91	J	1.0	mg/L	9060A
Alkalinity		190		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		250		5.0	mg/L	SM 2340C
Total Dissolved Solids		340		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30184-4	**LF6VM2068QA**					
Ammonia		0.11		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.75	J	1.0	mg/L	351.2
Chemical Oxygen Demand		8.0	J	20	mg/L	410.4
Nitrate as N		1.5		0.50	mg/L	9056A
Chloride		120		15	mg/L	9056A
Nitrate Nitrite as N		1.5		0.50	mg/L	9056A
Sulfate		9.9		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.43	J	1.0	mg/L	9060A
Alkalinity		180		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		130		5.0	mg/L	SM 2340C
Total Dissolved Solids		360		10	mg/L	SM 2540C
280-30184-5	**LF6VM2175QA**					
Ammonia		0.12		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.70	J	1.0	mg/L	351.2
Chemical Oxygen Demand		6.3	J	20	mg/L	410.4
Nitrate as N		1.3		0.50	mg/L	9056A
Chloride		3.0		3.0	mg/L	9056A
Nitrate Nitrite as N		1.3		0.50	mg/L	9056A
Sulfate		3.0	J	5.0	mg/L	9056A
Total Organic Carbon - Quad		0.48	J	1.0	mg/L	9060A
Alkalinity		100		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		99		5.0	mg/L	SM 2340C
Total Dissolved Solids		110		10	mg/L	SM 2540C
280-30184-6	**LF6VM2235QA**					
Ammonia		0.11		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.64	J	1.0	mg/L	351.2
Chemical Oxygen Demand		9.7	J	20	mg/L	410.4
Nitrate as N		2.2		0.50	mg/L	9056A
Chloride		21		3.0	mg/L	9056A
Nitrate Nitrite as N		2.2		0.50	mg/L	9056A
Sulfate		18		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.63	J	1.0	mg/L	9060A
Alkalinity		180		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		310		5.0	mg/L	SM 2340C
Total Dissolved Solids		230		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30184-7FD	**LF6VM2235QC**					
Ammonia		0.19		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.71	J	1.0	mg/L	351.2
Chemical Oxygen Demand		6.3	J	20	mg/L	410.4
Nitrate as N		2.2		0.50	mg/L	9056A
Chloride		21		3.0	mg/L	9056A
Nitrate Nitrite as N		2.2		0.50	mg/L	9056A
Sulfate		17		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.59	J	1.0	mg/L	9060A
Alkalinity		180		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		200		5.0	mg/L	SM 2340C
Total Dissolved Solids		230		10	mg/L	SM 2540C
280-30184-8EB	**061812QE**					
Ammonia		0.098	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.60	J	1.0	mg/L	351.2
Nitrate as N		0.048	J	0.50	mg/L	9056A
Nitrate Nitrite as N		0.048	J	0.50	mg/L	9056A
Total Organic Carbon - Quad		0.22	J	1.0	mg/L	9060A
Hardness as calcium carbonate		3.2	J	5.0	mg/L	SM 2340C

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30184-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Nitrogen, Total Kjeldahl	TAL DEN	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL DEN		MCAWW 351.2
COD	TAL DEN	MCAWW 410.4	
Anions, Ion Chromatography	TAL DEN	SW846 9056A	
Organic Carbon, Total (TOC)	TAL DEN	SW846 9060A	
Color, Colorimetric	TAL DEN	SM SM 2120B	
Alkalinity	TAL DEN	SM SM 2320B	
Hardness, Total	TAL DEN	SM SM 2340C	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method	Analyst	Analyst ID
MCAWW 350.1	Wolff, Brett Q	BQW
MCAWW 351.2	Woolley, Mark	MW
MCAWW 410.4	Fayard, Maria	MF
SW846 9056A	Kudla, Ewa	EK
SW846 9060A	Bandy, Darlene F	DFB
SM SM 2120B	Ayala, Delaina	DA
SM SM 2320B	Gilbert, Bryan M	BMG
SM SM 2340C	Allen, Andrew J	AJA
SM SM 2540C	Domnick, Brandon J	BJD

General Chemistry

Client Sample ID: **LF6VM10R230QA**

Lab Sample ID: 280-30184-1 Date Sampled: 06/18/2012 1200
Client Matrix: Water Date Received: 06/19/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.22	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126205	Analysis Date: 06/29/2012 1136						
Nitrogen, Kjeldahl	0.69	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-126896	Analysis Date: 07/07/2012 1503						
Prep Batch: 280-126750	Prep Date: 07/05/2012 2006						
Chemical Oxygen Demand	6.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124604	Analysis Date: 06/19/2012 1216						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1123						
Nitrate as N	0.86		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1123						
Chloride	5.2	J	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1123						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1123						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1123						
Nitrate Nitrite as N	0.86		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1123						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1123						
Sulfate	19		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1123						
Total Organic Carbon - Quad	0.50	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127341	Analysis Date: 07/11/2012 0936						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124723	Analysis Date: 06/20/2012 0642						
Alkalinity	100		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125300	Analysis Date: 06/22/2012 1543						
Hardness as calcium carbonate	130		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126803	Analysis Date: 07/06/2012 0937						
Total Dissolved Solids	140		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125370	Analysis Date: 06/25/2012 0714						

General Chemistry

Client Sample ID: **LF6VM1850QA**

Lab Sample ID: 280-30184-2 Date Sampled: 06/18/2012 1441
Client Matrix: Water Date Received: 06/19/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.096	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126205	Analysis Date: 06/29/2012 1154						
Nitrogen, Kjeldahl	0.74	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-126896	Analysis Date: 07/07/2012 1509						
Prep Batch: 280-126750	Prep Date: 07/05/2012 2006						
Chemical Oxygen Demand	7.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124604	Analysis Date: 06/19/2012 1216						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1230						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1230						
Chloride	92		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1806						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1230						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1230						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1230						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1230						
Sulfate	42		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1230						
Total Organic Carbon - Quad	0.67	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127341	Analysis Date: 07/11/2012 1029						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124723	Analysis Date: 06/20/2012 0642						
Alkalinity	260		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125300	Analysis Date: 06/22/2012 1548						
Hardness as calcium carbonate	310		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126803	Analysis Date: 07/06/2012 0937						
Total Dissolved Solids	430		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125370	Analysis Date: 06/25/2012 0714						

General Chemistry

Client Sample ID: **LF6VM1926QA**

Lab Sample ID: 280-30184-3 Date Sampled: 06/18/2012 1341
Client Matrix: Water Date Received: 06/19/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.099	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126205	Analysis Date: 06/29/2012 1155						
Nitrogen, Kjeldahl	0.58	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-126896	Analysis Date: 07/07/2012 1510						
Prep Batch: 280-126750	Prep Date: 07/05/2012 2006						
Chemical Oxygen Demand	5.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124604	Analysis Date: 06/19/2012 1216						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1247						
Nitrate as N	3.4		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1247						
Chloride	82		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1823						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1247						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1247						
Nitrate Nitrite as N	3.4		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1247						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1247						
Sulfate	18		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1247						
Total Organic Carbon - Quad	0.91	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127341	Analysis Date: 07/11/2012 1122						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124723	Analysis Date: 06/20/2012 0642						
Alkalinity	190		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125300	Analysis Date: 06/22/2012 1615						
Hardness as calcium carbonate	250		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126803	Analysis Date: 07/06/2012 0937						
Total Dissolved Solids	340		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125370	Analysis Date: 06/25/2012 0714						

General Chemistry

Client Sample ID: **LF6VM2068QA**

Lab Sample ID: 280-30184-4 Date Sampled: 06/18/2012 1223
Client Matrix: Water Date Received: 06/19/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.11		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126205	Analysis Date: 06/29/2012 1157						
Nitrogen, Kjeldahl	0.75	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-126896	Analysis Date: 07/07/2012 1514						
Prep Batch: 280-126750	Prep Date: 07/05/2012 2006						
Chemical Oxygen Demand	8.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124604	Analysis Date: 06/19/2012 1216						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1304						
Nitrate as N	1.5		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1304						
Chloride	120		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1840						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1304						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1304						
Nitrate Nitrite as N	1.5		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1304						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1304						
Sulfate	9.9		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1304						
Total Organic Carbon - Quad	0.43	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127341	Analysis Date: 07/11/2012 1139						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124723	Analysis Date: 06/20/2012 0642						
Alkalinity	180		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125300	Analysis Date: 06/22/2012 1626						
Hardness as calcium carbonate	130		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126803	Analysis Date: 07/06/2012 0937						
Total Dissolved Solids	360		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125370	Analysis Date: 06/25/2012 0714						

General Chemistry

Client Sample ID: **LF6VM2175QA**

Lab Sample ID: 280-30184-5 Date Sampled: 06/18/2012 1045
Client Matrix: Water Date Received: 06/19/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.12		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126205	Analysis Date: 06/29/2012 1158						
Nitrogen, Kjeldahl	0.70	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-126896	Analysis Date: 07/07/2012 1516						
Prep Batch: 280-126750	Prep Date: 07/05/2012 2006						
Chemical Oxygen Demand	6.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124604	Analysis Date: 06/19/2012 1216						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1321						
Nitrate as N	1.3		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1321						
Chloride	3.0		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1321						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1321						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1321						
Nitrate Nitrite as N	1.3		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1321						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1321						
Sulfate	3.0	J	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1321						
Total Organic Carbon - Quad	0.48	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127341	Analysis Date: 07/11/2012 1156						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124723	Analysis Date: 06/20/2012 0642						
Alkalinity	100		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125300	Analysis Date: 06/22/2012 1630						
Hardness as calcium carbonate	99		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126803	Analysis Date: 07/06/2012 0937						
Total Dissolved Solids	110		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125370	Analysis Date: 06/25/2012 0714						

General Chemistry

Client Sample ID: **LF6VM2235QA**

Lab Sample ID: 280-30184-6 Date Sampled: 06/18/2012 1305
Client Matrix: Water Date Received: 06/19/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.11		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126205	Analysis Date: 06/29/2012 1200						
Nitrogen, Kjeldahl	0.64	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-126896	Analysis Date: 07/07/2012 1517						
Prep Batch: 280-126750	Prep Date: 07/05/2012 2006						
Chemical Oxygen Demand	9.7	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124604	Analysis Date: 06/19/2012 1216						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1337						
Nitrate as N	2.2		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1337						
Chloride	21		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1337						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1337						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1337						
Nitrate Nitrite as N	2.2		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1337						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1337						
Sulfate	18		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1337						
Total Organic Carbon - Quad	0.63	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127341	Analysis Date: 07/11/2012 1213						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124723	Analysis Date: 06/20/2012 0642						
Alkalinity	180		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125300	Analysis Date: 06/22/2012 1635						
Hardness as calcium carbonate	310		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126803	Analysis Date: 07/06/2012 0937						
Total Dissolved Solids	230		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125370	Analysis Date: 06/25/2012 0714						

General Chemistry

Client Sample ID: **LF6VM2235QC**

Lab Sample ID: 280-30184-7FD Date Sampled: 06/18/2012 1305
Client Matrix: Water Date Received: 06/19/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.19		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126205	Analysis Date: 06/29/2012 1201						
Nitrogen, Kjeldahl	0.71	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-126896	Analysis Date: 07/07/2012 1518						
Prep Batch: 280-126750	Prep Date: 07/05/2012 2006						
Chemical Oxygen Demand	6.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124604	Analysis Date: 06/19/2012 1216						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1354						
Nitrate as N	2.2		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1354						
Chloride	21		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1354						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1354						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1354						
Nitrate Nitrite as N	2.2		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1354						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1354						
Sulfate	17		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1354						
Total Organic Carbon - Quad	0.59	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127341	Analysis Date: 07/11/2012 1230						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124723	Analysis Date: 06/20/2012 0642						
Alkalinity	180		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125300	Analysis Date: 06/22/2012 1640						
Hardness as calcium carbonate	200		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126803	Analysis Date: 07/06/2012 0937						
Total Dissolved Solids	230		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125370	Analysis Date: 06/25/2012 0714						

General Chemistry

Client Sample ID: **061812QE**

Lab Sample ID: 280-30184-8EB Date Sampled: 06/18/2012 1500
Client Matrix: Water Date Received: 06/19/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.098	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126205	Analysis Date: 06/29/2012 1203						
Nitrogen, Kjeldahl	0.60	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-126896	Analysis Date: 07/07/2012 1519						
Prep Batch: 280-126750	Prep Date: 07/05/2012 2006						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124604	Analysis Date: 06/19/2012 1216						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1445						
Nitrate as N	0.048	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1445						
Chloride	0.50	U	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1445						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1445						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1445						
Nitrate Nitrite as N	0.048	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1445						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-124773	Analysis Date: 06/19/2012 1445						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-124774	Analysis Date: 06/19/2012 1445						
Total Organic Carbon - Quad	0.22	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127341	Analysis Date: 07/11/2012 1247						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124723	Analysis Date: 06/20/2012 0642						
Alkalinity	2.0	U	mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125300	Analysis Date: 06/22/2012 1643						
Hardness as calcium carbonate	3.2	J	mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-126803	Analysis Date: 07/06/2012 0937						
Total Dissolved Solids	10	U	mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125370	Analysis Date: 06/25/2012 0714						

Method Blank - Batch: 280-126205 **Method: 350.1**
Preparation: N/A

Lab Sample ID:	MB 280-126205/20	Analysis Batch:	280-126205	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0629NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/29/2012 1039	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Ammonia	0.0233	J	0.022	0.10

Method Blank - Batch: 280-126205 **Method: 350.1**
Preparation: N/A

Lab Sample ID:	MB 280-126205/59	Analysis Batch:	280-126205	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0629NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/29/2012 1137	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Ammonia	0.050	U	0.022	0.10

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126205

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126205/21	Analysis Batch:	280-126205	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0629NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/29/2012 1040	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126205/22	Analysis Batch:	280-126205	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0629NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/29/2012 1042	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	101	101	90 - 110	0	10		

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126205

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126205/60	Analysis Batch:	280-126205	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0629NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/29/2012 1139	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126205/61	Analysis Batch:	280-126205	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0629NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/29/2012 1140	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	100	99	90 - 110	0	10		

Client: FPM Remediations Inc

Job Number: 280-30184-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126205

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126205/21	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126205/22
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/29/2012 1040			Analysis Date:	06/29/2012 1042
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ammonia	5.00	5.00	5.04	5.03

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126205

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126205/60	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126205/61
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/29/2012 1139			Analysis Date:	06/29/2012 1140
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ammonia	5.00	5.00	4.98	4.97

Client: FPM Remediations Inc

Job Number: 280-30184-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126205

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Analysis Batch:	280-126205	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0629NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/29/2012 1151			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30184-1	Analysis Batch:	280-126205	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0629NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/29/2012 1152			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	38	37	90 - 110	4	20	J	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126205

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Units:	mg/L	MSD Lab Sample ID:	280-30184-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/29/2012 1151			Analysis Date:	06/29/2012 1152
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Ammonia	0.22	4.00	4.00	1.76	J	1.69	J

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-126750

Method: 351.2
Preparation: 351.2

Lab Sample ID:	MB 280-126750/3-A	Analysis Batch:	280-126896	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-126750	Lab File ID:	070712TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/07/2012 1502	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/05/2012 2006				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrogen, Kjeldahl	0.316	J	0.077	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126750

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 280-126750/1-A	Analysis Batch:	280-126896	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-126750	Lab File ID:	070712TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/07/2012 1459	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/05/2012 2006				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126750/2-A	Analysis Batch:	280-126896	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-126750	Lab File ID:	070712TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/07/2012 1500	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/05/2012 2006				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrogen, Kjeldahl	95	95	90 - 110	1	25		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126750

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 280-126750/1-A	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126750/2-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/07/2012 1459			Analysis Date:	07/07/2012 1500
Prep Date:	07/05/2012 2006			Prep Date:	07/05/2012 2006
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrogen, Kjeldahl	6.00	6.00	5.67	5.72

Client: FPM Remediations Inc

Job Number: 280-30184-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126750

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	280-30184-1	Analysis Batch:	280-126896	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-126750	Lab File ID:	070712TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/07/2012 1504			Final Weight/Volume:	25 mL
Prep Date:	07/05/2012 2006				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30184-1	Analysis Batch:	280-126896	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-126750	Lab File ID:	070712TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/07/2012 1505			Final Weight/Volume:	25 mL
Prep Date:	07/05/2012 2006				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrogen, Kjeldahl	71	72	90 - 110	1	25	J	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126750

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	280-30184-1	Units:	mg/L	MSD Lab Sample ID:	280-30184-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/07/2012 1504			Analysis Date:	07/07/2012 1505
Prep Date:	07/05/2012 2006			Prep Date:	07/05/2012 2006
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Nitrogen, Kjeldahl	0.69	J	3.00	3.00	2.82	J	2.86	J

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-124604

Method: 410.4
Preparation: N/A

Lab Sample ID:	MB 280-124604/5	Analysis Batch:	280-124604	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	06/19/2012 1216	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Chemical Oxygen Demand	10	U	4.1	20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-124604

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-124604/3	Analysis Batch:	280-124604	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/19/2012 1216	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-124604/4	Analysis Batch:	280-124604	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/19/2012 1216	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chemical Oxygen Demand	99	102	90 - 110	3	11		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-124604

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-124604/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-124604/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/19/2012 1216			Analysis Date:	06/19/2012 1216
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chemical Oxygen Demand	100	100	99.4	102

Client: FPM Remediations Inc

Job Number: 280-30184-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-124604

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-30184-2	Analysis Batch:	280-124604	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/19/2012 1216			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30184-2	Analysis Batch:	280-124604	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/19/2012 1216			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chemical Oxygen Demand	97	96	90 - 110	1	11		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-124604

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-30184-2	Units:	mg/L	MSD Lab Sample ID:	280-30184-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/19/2012 1216			Analysis Date:	06/19/2012 1216
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chemical Oxygen Demand	7.3	J	50.0	50.0	56.1	55.4

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-124773

Method: 9056A
Preparation: N/A

Lab Sample ID:	MB 280-124773/7	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	116.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1106	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrate as N	0.10	U	0.042	0.50
Nitrite as N	0.10	U	0.049	0.50
Nitrate Nitrite as N	0.10	U	0.042	0.50
Orthophosphate as P	0.20	U	0.19	0.50

Method Reporting Limit Check - Batch: 280-124773

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-124773/3	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 0959	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate as N	0.200	0.213	107	50 - 150	J
Nitrite as N	0.200	0.211	106	50 - 150	J

Method Reporting Limit Check - Batch: 280-124773

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-124773/6	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	115.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1049	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Orthophosphate as P	0.500	0.412	82	50 - 150	J

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-124773

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-124773/4	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1016	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-124773/5	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1033	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrate as N	100	100	87 - 110	0	10		
Nitrite as N	97	97	87 - 112	0	10		
Orthophosphate as P	92	97	90 - 110	5	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-124773

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-124773/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-124773/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/19/2012 1016			Analysis Date:	06/19/2012 1033
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrate as N	5.00	5.00	4.99	5.00
Nitrite as N	5.00	5.00	4.87	4.86
Orthophosphate as P	5.00	5.00	4.59	4.83

Client: FPM Remediations Inc

Job Number: 280-30184-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-124773

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	119.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1157			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30184-1	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	120.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1213			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate as N	106	110	87 - 110	3	10		
Nitrite as N	98	101	87 - 112	3	10		
Orthophosphate as P	107	114	80 - 120	6	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-124773

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Units:	mg/L	MSD Lab Sample ID:	280-30184-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/19/2012 1157			Analysis Date:	06/19/2012 1213
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitrate as N	0.86		5.00	5.00	6.18	6.37
Nitrite as N	0.10	U	5.00	5.00	4.92	5.07
Orthophosphate as P	0.20	U	5.00	5.00	5.36	5.70

Client: FPM Remediations Inc

Job Number: 280-30184-1

Duplicate - Batch: 280-124773

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30184-1	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	118.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1140	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Nitrate as N	0.86		0.862	0.3	15	
Nitrite as N	0.10	U	0.10	NC	15	U
Orthophosphate as P	0.20	U	0.20	NC	15	U

Duplicate - Batch: 280-124773

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30184-7	Analysis Batch:	280-124773	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	136.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1659	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Nitrate as N	2.2		2.23	0.3	15	
Nitrite as N	0.10	U	0.10	NC	15	U
Orthophosphate as P	0.20	U	0.20	NC	15	U

Method Blank - Batch: 280-124774

Method: 9056A
Preparation: N/A

Lab Sample ID:	MB 280-124774/7	Analysis Batch:	280-124774	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	116.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1106	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Bromide	0.20	U	0.11	0.50
Chloride	0.50	U	0.25	3.0
Fluoride	0.10	U	0.060	1.0
Sulfate	0.50	U	0.23	5.0

Method Reporting Limit Check - Batch: 280-124774

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-124774/3	Analysis Batch:	280-124774	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 0959	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	0.200	0.222	111	50 - 150	
Chloride	1.00	1.04	104	50 - 150	J
Fluoride	0.200	0.185	93	50 - 150	J
Sulfate	1.00	0.798	80	50 - 150	J

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-124774

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-124774/4	Analysis Batch:	280-124774	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1016	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-124774/5	Analysis Batch:	280-124774	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1033	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bromide	99	99	86 - 110	0	10		
Chloride	100	100	89 - 110	0	10		
Fluoride	102	102	88 - 111	0	10		
Sulfate	99	100	86 - 110	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-124774

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-124774/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-124774/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/19/2012 1016			Analysis Date:	06/19/2012 1033
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Bromide	5.00	5.00	4.95	4.95
Chloride	25.0	25.0	25.1	25.0
Fluoride	5.00	5.00	5.08	5.08
Sulfate	25.0	25.0	24.9	25.0

Client: FPM Remediations Inc

Job Number: 280-30184-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-124774

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Analysis Batch:	280-124774	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	119.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1157			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30184-1	Analysis Batch:	280-124774	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	120.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1213			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromide	106	109	86 - 110	3	10		
Chloride	108	112	89 - 110	3	10		J
Fluoride	100	103	88 - 111	3	10		
Sulfate	105	108	86 - 110	2	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-124774

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Units:	mg/L	MSD Lab Sample ID:	280-30184-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/19/2012 1157			Analysis Date:	06/19/2012 1213
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Bromide	0.20	U	5.00	5.00	5.28	5.46	
Chloride	5.2		25.0	25.0	32.2	33.1	J
Fluoride	0.10	U	5.00	5.00	5.00	5.17	
Sulfate	19		25.0	25.0	45.0	45.8	

Client: FPM Remediations Inc

Job Number: 280-30184-1

Duplicate - Batch: 280-124774

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30184-1	Analysis Batch:	280-124774	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	118.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1140	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Bromide	0.20	U	0.20	NC	15	U
Chloride	5.2		5.19	0.08	15	
Fluoride	0.10	U	0.10	NC	15	U
Sulfate	19		18.8	0.5	15	

Duplicate - Batch: 280-124774

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30184-7	Analysis Batch:	280-124774	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	136.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/19/2012 1659	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Bromide	0.20	U	0.20	NC	15	U
Chloride	21		20.7	0.9	15	
Fluoride	0.10	U	0.10	NC	15	U
Sulfate	17		17.1	0.4	15	

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-127341

Method: 9060A
Preparation: N/A

Lab Sample ID:	MB 280-127341/47	Analysis Batch:	280-127341	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071012.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/11/2012 0918	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Total Organic Carbon - Quad	0.40	U	0.16	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-127341

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-127341/45	Analysis Batch:	280-127341	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071012.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/11/2012 0840	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-127341/46	Analysis Batch:	280-127341	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071012.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/11/2012 0858	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon - Quad	93	93	86 - 114	0	12		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-127341

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-127341/45	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-127341/46
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/11/2012 0840			Analysis Date:	07/11/2012 0858
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon - Quad	25.0	25.0	23.4	23.3

Client: FPM Remediations Inc

Job Number: 280-30184-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127341

Method: 9060A
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Analysis Batch:	280-127341	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071012.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/11/2012 0952			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30184-1	Analysis Batch:	280-127341	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071012.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/11/2012 1010			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon - Quad	94	94	86 - 114	0	12		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127341

Method: 9060A
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Units:	mg/L	MSD Lab Sample ID:	280-30184-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/11/2012 0952			Analysis Date:	07/11/2012 1010
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon - Quad	0.50	J	25.0	25.0	24.0	24.0

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-124723

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	MB 280-124723/1	Analysis Batch:	280-124723	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/20/2012 0642	Units:	PCU	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Color	5.0	U	5.0	5.0

Duplicate - Batch: 280-124723

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	280-30184-1	Analysis Batch:	280-124723	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/20/2012 0642	Units:	PCU	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Color	5.0	U	5.0	NC	20	U

Method Blank - Batch: 280-125300 **Method: SM 2320B**
Preparation: N/A

Lab Sample ID:	MB 280-125300/33	Analysis Batch:	280-125300	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062212b.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1342	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Alkalinity	2.0	U	1.1	5.0

Method Blank - Batch: 280-125300 **Method: SM 2320B**
Preparation: N/A

Lab Sample ID:	MB 280-125300/63	Analysis Batch:	280-125300	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062212b.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1611	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Alkalinity	2.0	U	1.1	5.0

Client: FPM Remediations Inc

Job Number: 280-30184-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125300

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125300/31	Analysis Batch:	280-125300	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062212b.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1333	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125300/32	Analysis Batch:	280-125300	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062212b.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1338	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Alkalinity	103	104	90 - 110	0	10		

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125300

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125300/61	Analysis Batch:	280-125300	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062212b.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1602	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125300/62	Analysis Batch:	280-125300	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062212b.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1607	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Alkalinity	103	104	90 - 110	1	10		

Client: FPM Remediations Inc

Job Number: 280-30184-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125300

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125300/31	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125300/32
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/22/2012 1333			Analysis Date:	06/22/2012 1338
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Alkalinity	200	200	206	207

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125300

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125300/61	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125300/62
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/22/2012 1602			Analysis Date:	06/22/2012 1607
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Alkalinity	200	200	206	207

Duplicate - Batch: 280-125300

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	280-30184-3	Analysis Batch:	280-125300	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062212b.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1620	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	190	188	0.2	10	

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-126803

Method: SM 2340C
Preparation: N/A

Lab Sample ID:	MB 280-126803/1	Analysis Batch:	280-126803	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/06/2012 0937	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hardness as calcium carbonate	1.5	U	1.3	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126803

Method: SM 2340C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126803/2	Analysis Batch:	280-126803	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/06/2012 0937	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126803/3	Analysis Batch:	280-126803	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/06/2012 0937	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hardness as calcium carbonate	100	100	90 - 110	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126803

Method: SM 2340C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126803/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126803/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/06/2012 0937			Analysis Date:	07/06/2012 0937
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Hardness as calcium carbonate	403	403	402	405

Client: FPM Remediations Inc

Job Number: 280-30184-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126803

Method: SM 2340C
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Analysis Batch:	280-126803	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/06/2012 0937			Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30184-1	Analysis Batch:	280-126803	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/06/2012 0937			Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hardness as calcium carbonate	98	98	90 - 110	1	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126803

Method: SM 2340C
Preparation: N/A

MS Lab Sample ID:	280-30184-1	Units:	mg/L	MSD Lab Sample ID:	280-30184-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/06/2012 0937			Analysis Date:	07/06/2012 0937
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Hardness as calcium carbonate	130	403	403	520	524

Client: FPM Remediations Inc

Job Number: 280-30184-1

Method Blank - Batch: 280-125370

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 280-125370/1	Analysis Batch:	280-125370	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/25/2012 0714	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Total Dissolved Solids	10	U	4.7	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125370

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125370/2	Analysis Batch:	280-125370	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/25/2012 0714	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125370/3	Analysis Batch:	280-125370	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/25/2012 0714	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	95	94	86 - 110	1	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125370

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125370/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125370/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/25/2012 0714			Analysis Date:	06/25/2012 0714
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	502	502	478	474

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-30184-1

Lab Section	Qualifier	Description
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-30184-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-124604					
LCS 280-124604/3	Lab Control Sample	T	Water	410.4	
LCSD 280-124604/4	Lab Control Sample Duplicate	T	Water	410.4	
MB 280-124604/5	Method Blank	T	Water	410.4	
280-30184-1	LF6VM10R230QA	T	Water	410.4	
280-30184-2	LF6VM1850QA	T	Water	410.4	
280-30184-2MS	Matrix Spike	T	Water	410.4	
280-30184-2MSD	Matrix Spike Duplicate	T	Water	410.4	
280-30184-3	LF6VM1926QA	T	Water	410.4	
280-30184-4	LF6VM2068QA	T	Water	410.4	
280-30184-5	LF6VM2175QA	T	Water	410.4	
280-30184-6	LF6VM2235QA	T	Water	410.4	
280-30184-7FD	LF6VM2235QC	T	Water	410.4	
280-30184-8EB	061812QE	T	Water	410.4	
Analysis Batch:280-124723					
MB 280-124723/1	Method Blank	T	Water	SM 2120B	
280-30184-1	LF6VM10R230QA	T	Water	SM 2120B	
280-30184-1DU	Duplicate	T	Water	SM 2120B	
280-30184-2	LF6VM1850QA	T	Water	SM 2120B	
280-30184-3	LF6VM1926QA	T	Water	SM 2120B	
280-30184-4	LF6VM2068QA	T	Water	SM 2120B	
280-30184-5	LF6VM2175QA	T	Water	SM 2120B	
280-30184-6	LF6VM2235QA	T	Water	SM 2120B	
280-30184-7FD	LF6VM2235QC	T	Water	SM 2120B	
280-30184-8EB	061812QE	T	Water	SM 2120B	
Analysis Batch:280-124773					
LCS 280-124773/4	Lab Control Sample	T	Water	9056A	
LCSD 280-124773/5	Lab Control Sample Duplicate	T	Water	9056A	
MB 280-124773/7	Method Blank	T	Water	9056A	
280-30184-1	LF6VM10R230QA	T	Water	9056A	
280-30184-1DU	Duplicate	T	Water	9056A	
280-30184-1MS	Matrix Spike	T	Water	9056A	
280-30184-1MSD	Matrix Spike Duplicate	T	Water	9056A	
280-30184-2	LF6VM1850QA	T	Water	9056A	
280-30184-3	LF6VM1926QA	T	Water	9056A	
280-30184-4	LF6VM2068QA	T	Water	9056A	
280-30184-5	LF6VM2175QA	T	Water	9056A	
280-30184-6	LF6VM2235QA	T	Water	9056A	
280-30184-7FD	LF6VM2235QC	T	Water	9056A	
280-30184-7DU	Duplicate	T	Water	9056A	
280-30184-8EB	061812QE	T	Water	9056A	

Client: FPM Remediations Inc

Job Number: 280-30184-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-124774					
LCS 280-124774/4	Lab Control Sample	T	Water	9056A	
LCSD 280-124774/5	Lab Control Sample Duplicate	T	Water	9056A	
MB 280-124774/7	Method Blank	T	Water	9056A	
280-30184-1	LF6VM10R230QA	T	Water	9056A	
280-30184-1DU	Duplicate	T	Water	9056A	
280-30184-1MS	Matrix Spike	T	Water	9056A	
280-30184-1MSD	Matrix Spike Duplicate	T	Water	9056A	
280-30184-2	LF6VM1850QA	T	Water	9056A	
280-30184-3	LF6VM1926QA	T	Water	9056A	
280-30184-4	LF6VM2068QA	T	Water	9056A	
280-30184-5	LF6VM2175QA	T	Water	9056A	
280-30184-6	LF6VM2235QA	T	Water	9056A	
280-30184-7FD	LF6VM2235QC	T	Water	9056A	
280-30184-7DU	Duplicate	T	Water	9056A	
280-30184-8EB	061812QE	T	Water	9056A	
Analysis Batch:280-125300					
LCS 280-125300/31	Lab Control Sample	T	Water	SM 2320B	
LCS 280-125300/61	Lab Control Sample	T	Water	SM 2320B	
LCSD 280-125300/32	Lab Control Sample Duplicate	T	Water	SM 2320B	
LCSD 280-125300/62	Lab Control Sample Duplicate	T	Water	SM 2320B	
MB 280-125300/33	Method Blank	T	Water	SM 2320B	
MB 280-125300/63	Method Blank	T	Water	SM 2320B	
280-30184-1	LF6VM10R230QA	T	Water	SM 2320B	
280-30184-2	LF6VM1850QA	T	Water	SM 2320B	
280-30184-3	LF6VM1926QA	T	Water	SM 2320B	
280-30184-3DU	Duplicate	T	Water	SM 2320B	
280-30184-4	LF6VM2068QA	T	Water	SM 2320B	
280-30184-5	LF6VM2175QA	T	Water	SM 2320B	
280-30184-6	LF6VM2235QA	T	Water	SM 2320B	
280-30184-7FD	LF6VM2235QC	T	Water	SM 2320B	
280-30184-8EB	061812QE	T	Water	SM 2320B	
Analysis Batch:280-125370					
LCS 280-125370/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 280-125370/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 280-125370/1	Method Blank	T	Water	SM 2540C	
280-30184-1	LF6VM10R230QA	T	Water	SM 2540C	
280-30184-2	LF6VM1850QA	T	Water	SM 2540C	
280-30184-3	LF6VM1926QA	T	Water	SM 2540C	
280-30184-4	LF6VM2068QA	T	Water	SM 2540C	
280-30184-5	LF6VM2175QA	T	Water	SM 2540C	
280-30184-6	LF6VM2235QA	T	Water	SM 2540C	
280-30184-7FD	LF6VM2235QC	T	Water	SM 2540C	
280-30184-8EB	061812QE	T	Water	SM 2540C	

Client: FPM Remediations Inc

Job Number: 280-30184-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-126205					
LCS 280-126205/21	Lab Control Sample	T	Water	350.1	
LCS 280-126205/60	Lab Control Sample	T	Water	350.1	
LCSD 280-126205/22	Lab Control Sample Duplicate	T	Water	350.1	
LCSD 280-126205/61	Lab Control Sample Duplicate	T	Water	350.1	
MB 280-126205/20	Method Blank	T	Water	350.1	
MB 280-126205/59	Method Blank	T	Water	350.1	
280-30184-1	LF6VM10R230QA	T	Water	350.1	
280-30184-1MS	Matrix Spike	T	Water	350.1	
280-30184-1MSD	Matrix Spike Duplicate	T	Water	350.1	
280-30184-2	LF6VM1850QA	T	Water	350.1	
280-30184-3	LF6VM1926QA	T	Water	350.1	
280-30184-4	LF6VM2068QA	T	Water	350.1	
280-30184-5	LF6VM2175QA	T	Water	350.1	
280-30184-6	LF6VM2235QA	T	Water	350.1	
280-30184-7FD	LF6VM2235QC	T	Water	350.1	
280-30184-8EB	061812QE	T	Water	350.1	
Prep Batch: 280-126750					
LCS 280-126750/1-A	Lab Control Sample	T	Water	351.2	
LCSD 280-126750/2-A	Lab Control Sample Duplicate	T	Water	351.2	
MB 280-126750/3-A	Method Blank	T	Water	351.2	
280-30184-1	LF6VM10R230QA	T	Water	351.2	
280-30184-1MS	Matrix Spike	T	Water	351.2	
280-30184-1MSD	Matrix Spike Duplicate	T	Water	351.2	
280-30184-2	LF6VM1850QA	T	Water	351.2	
280-30184-3	LF6VM1926QA	T	Water	351.2	
280-30184-4	LF6VM2068QA	T	Water	351.2	
280-30184-5	LF6VM2175QA	T	Water	351.2	
280-30184-6	LF6VM2235QA	T	Water	351.2	
280-30184-7FD	LF6VM2235QC	T	Water	351.2	
280-30184-8EB	061812QE	T	Water	351.2	

Client: FPM Remediations Inc

Job Number: 280-30184-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-126803					
LCS 280-126803/2	Lab Control Sample	T	Water	SM 2340C	
LCSD 280-126803/3	Lab Control Sample Duplicate	T	Water	SM 2340C	
MB 280-126803/1	Method Blank	T	Water	SM 2340C	
280-30184-1	LF6VM10R230QA	T	Water	SM 2340C	
280-30184-1MS	Matrix Spike	T	Water	SM 2340C	
280-30184-1MSD	Matrix Spike Duplicate	T	Water	SM 2340C	
280-30184-2	LF6VM1850QA	T	Water	SM 2340C	
280-30184-3	LF6VM1926QA	T	Water	SM 2340C	
280-30184-4	LF6VM2068QA	T	Water	SM 2340C	
280-30184-5	LF6VM2175QA	T	Water	SM 2340C	
280-30184-6	LF6VM2235QA	T	Water	SM 2340C	
280-30184-7FD	LF6VM2235QC	T	Water	SM 2340C	
280-30184-8EB	061812QE	T	Water	SM 2340C	
Analysis Batch:280-126896					
LCS 280-126750/1-A	Lab Control Sample	T	Water	351.2	280-126750
LCSD 280-126750/2-A	Lab Control Sample Duplicate	T	Water	351.2	280-126750
MB 280-126750/3-A	Method Blank	T	Water	351.2	280-126750
280-30184-1	LF6VM10R230QA	T	Water	351.2	280-126750
280-30184-1MS	Matrix Spike	T	Water	351.2	280-126750
280-30184-1MSD	Matrix Spike Duplicate	T	Water	351.2	280-126750
280-30184-2	LF6VM1850QA	T	Water	351.2	280-126750
280-30184-3	LF6VM1926QA	T	Water	351.2	280-126750
280-30184-4	LF6VM2068QA	T	Water	351.2	280-126750
280-30184-5	LF6VM2175QA	T	Water	351.2	280-126750
280-30184-6	LF6VM2235QA	T	Water	351.2	280-126750
280-30184-7FD	LF6VM2235QC	T	Water	351.2	280-126750
280-30184-8EB	061812QE	T	Water	351.2	280-126750
Analysis Batch:280-127341					
LCS 280-127341/45	Lab Control Sample	T	Water	9060A	
LCSD 280-127341/46	Lab Control Sample Duplicate	T	Water	9060A	
MB 280-127341/47	Method Blank	T	Water	9060A	
280-30184-1	LF6VM10R230QA	T	Water	9060A	
280-30184-1MS	Matrix Spike	T	Water	9060A	
280-30184-1MSD	Matrix Spike Duplicate	T	Water	9060A	
280-30184-2	LF6VM1850QA	T	Water	9060A	
280-30184-3	LF6VM1926QA	T	Water	9060A	
280-30184-4	LF6VM2068QA	T	Water	9060A	
280-30184-5	LF6VM2175QA	T	Water	9060A	
280-30184-6	LF6VM2235QA	T	Water	9060A	
280-30184-7FD	LF6VM2235QC	T	Water	9060A	
280-30184-8EB	061812QE	T	Water	9060A	

Client: FPM Remediations Inc

Job Number: 280-30184-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
T = Total

Client: FPM Remediations Inc

Job Number: 280-30184-1

Laboratory Chronicle

Lab ID: 280-30184-1 **Client ID:** LF6VM10R230QA

Sample Date/Time: 06/18/2012 12:00 Received Date/Time: 06/19/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30184-D-1		280-126205		06/29/2012 11:36	1	TAL DEN	BQW
P:351.2	280-30184-C-1-A		280-126896	280-126750	07/05/2012 20:06	1	TAL DEN	MW
A:351.2	280-30184-C-1-A		280-126896	280-126750	07/07/2012 15:03	1	TAL DEN	MW
A:410.4	280-30184-C-1		280-124604		06/19/2012 12:16	1	TAL DEN	MF
A:9056A	280-30184-B-1		280-124773		06/19/2012 11:23	1	TAL DEN	EK
A:9056A	280-30184-B-1		280-124774		06/19/2012 11:23	1	TAL DEN	EK
A:9060A	280-30184-D-1		280-127341		07/11/2012 09:36	1	TAL DEN	DFB
A:SM 2120B	280-30184-A-1		280-124723		06/20/2012 06:42	1	TAL DEN	DA
A:SM 2320B	280-30184-B-1		280-125300		06/22/2012 15:43	1	TAL DEN	BMG
A:SM 2340C	280-30184-E-1		280-126803		07/06/2012 09:37	1	TAL DEN	AJA
A:SM 2540C	280-30184-B-1		280-125370		06/25/2012 07:14	1	TAL DEN	BJD

Lab ID: 280-30184-1 MS **Client ID:** LF6VM10R230QA

Sample Date/Time: 06/18/2012 12:00 Received Date/Time: 06/19/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30184-D-1 MS		280-126205		06/29/2012 11:51	1	TAL DEN	BQW
P:351.2	280-30184-C-1-B MS		280-126896	280-126750	07/05/2012 20:06	1	TAL DEN	MW
A:351.2	280-30184-C-1-B MS		280-126896	280-126750	07/07/2012 15:04	1	TAL DEN	MW
A:9056A	280-30184-B-1 MS		280-124773		06/19/2012 11:57	1	TAL DEN	EK
A:9056A	280-30184-B-1 MS		280-124774		06/19/2012 11:57	1	TAL DEN	EK
A:9060A	280-30184-D-1 MS		280-127341		07/11/2012 09:52	1	TAL DEN	DFB
A:SM 2340C	280-30184-E-1 MS		280-126803		07/06/2012 09:37	1	TAL DEN	AJA

Lab ID: 280-30184-1 MSD **Client ID:** LF6VM10R230QA

Sample Date/Time: 06/18/2012 12:00 Received Date/Time: 06/19/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30184-D-1 MSD		280-126205		06/29/2012 11:52	1	TAL DEN	BQW
P:351.2	280-30184-C-1-C MSD		280-126896	280-126750	07/05/2012 20:06	1	TAL DEN	MW
A:351.2	280-30184-C-1-C MSD		280-126896	280-126750	07/07/2012 15:05	1	TAL DEN	MW
A:9056A	280-30184-B-1 MSD		280-124773		06/19/2012 12:13	1	TAL DEN	EK
A:9056A	280-30184-B-1 MSD		280-124774		06/19/2012 12:13	1	TAL DEN	EK
A:9060A	280-30184-D-1 MSD		280-127341		07/11/2012 10:10	1	TAL DEN	DFB
A:SM 2340C	280-30184-E-1 MSD		280-126803		07/06/2012 09:37	1	TAL DEN	AJA

Client: FPM Remediations Inc

Job Number: 280-30184-1

Laboratory Chronicle

Lab ID: 280-30184-1 DU **Client ID:** LF6VM10R230QA

Sample Date/Time: 06/18/2012 12:00 Received Date/Time: 06/19/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9056A	280-30184-B-1 DU		280-124773		06/19/2012 11:40	1	TAL DEN	EK
A:9056A	280-30184-B-1 DU		280-124774		06/19/2012 11:40	1	TAL DEN	EK
A:SM 2120B	280-30184-A-1 DU		280-124723		06/20/2012 06:42	1	TAL DEN	DA

Lab ID: 280-30184-2 **Client ID:** LF6VM1850QA

Sample Date/Time: 06/18/2012 14:41 Received Date/Time: 06/19/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30184-D-2		280-126205		06/29/2012 11:54	1	TAL DEN	BQW
P:351.2	280-30184-C-2-A		280-126896	280-126750	07/05/2012 20:06	1	TAL DEN	MW
A:351.2	280-30184-C-2-A		280-126896	280-126750	07/07/2012 15:09	1	TAL DEN	MW
A:410.4	280-30184-C-2		280-124604		06/19/2012 12:16	1	TAL DEN	MF
A:9056A	280-30184-B-2		280-124773		06/19/2012 12:30	1	TAL DEN	EK
A:9056A	280-30184-B-2		280-124774		06/19/2012 12:30	1	TAL DEN	EK
A:9056A	280-30184-B-2		280-124774		06/19/2012 18:06	5	TAL DEN	EK
A:9060A	280-30184-D-2		280-127341		07/11/2012 10:29	1	TAL DEN	DFB
A:SM 2120B	280-30184-A-2		280-124723		06/20/2012 06:42	1	TAL DEN	DA
A:SM 2320B	280-30184-B-2		280-125300		06/22/2012 15:48	1	TAL DEN	BMG
A:SM 2340C	280-30184-E-2		280-126803		07/06/2012 09:37	1	TAL DEN	AJA
A:SM 2540C	280-30184-B-2		280-125370		06/25/2012 07:14	1	TAL DEN	BJD

Lab ID: 280-30184-2 MS **Client ID:** LF6VM1850QA

Sample Date/Time: 06/18/2012 14:41 Received Date/Time: 06/19/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:410.4	280-30184-C-2 MS		280-124604		06/19/2012 12:16	1	TAL DEN	MF

Lab ID: 280-30184-2 MSD **Client ID:** LF6VM1850QA

Sample Date/Time: 06/18/2012 14:41 Received Date/Time: 06/19/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:410.4	280-30184-C-2 MSD		280-124604		06/19/2012 12:16	1	TAL DEN	MF

Client: FPM Remediations Inc

Job Number: 280-30184-1

Laboratory Chronicle

Lab ID: 280-30184-3 **Client ID:** LF6VM1926QA

Sample Date/Time: 06/18/2012 13:41 Received Date/Time: 06/19/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30184-D-3		280-126205		06/29/2012 11:55	1	TAL DEN	BQW
P:351.2	280-30184-C-3-A		280-126896	280-126750	07/05/2012 20:06	1	TAL DEN	MW
A:351.2	280-30184-C-3-A		280-126896	280-126750	07/07/2012 15:10	1	TAL DEN	MW
A:410.4	280-30184-C-3		280-124604		06/19/2012 12:16	1	TAL DEN	MF
A:9056A	280-30184-B-3		280-124773		06/19/2012 12:47	1	TAL DEN	EK
A:9056A	280-30184-B-3		280-124774		06/19/2012 12:47	1	TAL DEN	EK
A:9056A	280-30184-B-3		280-124774		06/19/2012 18:23	5	TAL DEN	EK
A:9060A	280-30184-D-3		280-127341		07/11/2012 11:22	1	TAL DEN	DFB
A:SM 2120B	280-30184-A-3		280-124723		06/20/2012 06:42	1	TAL DEN	DA
A:SM 2320B	280-30184-B-3		280-125300		06/22/2012 16:15	1	TAL DEN	BMG
A:SM 2340C	280-30184-E-3		280-126803		07/06/2012 09:37	1	TAL DEN	AJA
A:SM 2540C	280-30184-B-3		280-125370		06/25/2012 07:14	1	TAL DEN	BJD

Lab ID: 280-30184-3 DU **Client ID:** LF6VM1926QA

Sample Date/Time: 06/18/2012 13:41 Received Date/Time: 06/19/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2320B	280-30184-B-3 DU		280-125300		06/22/2012 16:20	1	TAL DEN	BMG

Lab ID: 280-30184-4 **Client ID:** LF6VM2068QA

Sample Date/Time: 06/18/2012 12:23 Received Date/Time: 06/19/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30184-D-4		280-126205		06/29/2012 11:57	1	TAL DEN	BQW
P:351.2	280-30184-C-4-A		280-126896	280-126750	07/05/2012 20:06	1	TAL DEN	MW
A:351.2	280-30184-C-4-A		280-126896	280-126750	07/07/2012 15:14	1	TAL DEN	MW
A:410.4	280-30184-C-4		280-124604		06/19/2012 12:16	1	TAL DEN	MF
A:9056A	280-30184-B-4		280-124773		06/19/2012 13:04	1	TAL DEN	EK
A:9056A	280-30184-B-4		280-124774		06/19/2012 13:04	1	TAL DEN	EK
A:9056A	280-30184-B-4		280-124774		06/19/2012 18:40	5	TAL DEN	EK
A:9060A	280-30184-D-4		280-127341		07/11/2012 11:39	1	TAL DEN	DFB
A:SM 2120B	280-30184-A-4		280-124723		06/20/2012 06:42	1	TAL DEN	DA
A:SM 2320B	280-30184-B-4		280-125300		06/22/2012 16:26	1	TAL DEN	BMG
A:SM 2340C	280-30184-E-4		280-126803		07/06/2012 09:37	1	TAL DEN	AJA
A:SM 2540C	280-30184-B-4		280-125370		06/25/2012 07:14	1	TAL DEN	BJD

Client: FPM Remediations Inc

Job Number: 280-30184-1

Laboratory Chronicle

Lab ID: 280-30184-5 **Client ID:** LF6VM2175QA

Sample Date/Time: 06/18/2012 10:45 Received Date/Time: 06/19/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30184-D-5		280-126205		06/29/2012 11:58	1	TAL DEN	BQW
P:351.2	280-30184-C-5-A		280-126896	280-126750	07/05/2012 20:06	1	TAL DEN	MW
A:351.2	280-30184-C-5-A		280-126896	280-126750	07/07/2012 15:16	1	TAL DEN	MW
A:410.4	280-30184-C-5		280-124604		06/19/2012 12:16	1	TAL DEN	MF
A:9056A	280-30184-B-5		280-124773		06/19/2012 13:21	1	TAL DEN	EK
A:9056A	280-30184-B-5		280-124774		06/19/2012 13:21	1	TAL DEN	EK
A:9060A	280-30184-D-5		280-127341		07/11/2012 11:56	1	TAL DEN	DFB
A:SM 2120B	280-30184-A-5		280-124723		06/20/2012 06:42	1	TAL DEN	DA
A:SM 2320B	280-30184-B-5		280-125300		06/22/2012 16:30	1	TAL DEN	BMG
A:SM 2340C	280-30184-E-5		280-126803		07/06/2012 09:37	1	TAL DEN	AJA
A:SM 2540C	280-30184-B-5		280-125370		06/25/2012 07:14	1	TAL DEN	BJD

Lab ID: 280-30184-6 **Client ID:** LF6VM2235QA

Sample Date/Time: 06/18/2012 13:05 Received Date/Time: 06/19/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30184-D-6		280-126205		06/29/2012 12:00	1	TAL DEN	BQW
P:351.2	280-30184-C-6-A		280-126896	280-126750	07/05/2012 20:06	1	TAL DEN	MW
A:351.2	280-30184-C-6-A		280-126896	280-126750	07/07/2012 15:17	1	TAL DEN	MW
A:410.4	280-30184-C-6		280-124604		06/19/2012 12:16	1	TAL DEN	MF
A:9056A	280-30184-B-6		280-124773		06/19/2012 13:37	1	TAL DEN	EK
A:9056A	280-30184-B-6		280-124774		06/19/2012 13:37	1	TAL DEN	EK
A:9060A	280-30184-D-6		280-127341		07/11/2012 12:13	1	TAL DEN	DFB
A:SM 2120B	280-30184-A-6		280-124723		06/20/2012 06:42	1	TAL DEN	DA
A:SM 2320B	280-30184-B-6		280-125300		06/22/2012 16:35	1	TAL DEN	BMG
A:SM 2340C	280-30184-E-6		280-126803		07/06/2012 09:37	1	TAL DEN	AJA
A:SM 2540C	280-30184-B-6		280-125370		06/25/2012 07:14	1	TAL DEN	BJD

Client: FPM Remediations Inc

Job Number: 280-30184-1

Laboratory Chronicle

Lab ID: 280-30184-7 **Client ID:** LF6VM2235QC

Sample Date/Time: 06/18/2012 13:05 Received Date/Time: 06/19/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30184-D-7		280-126205		06/29/2012 12:01	1	TAL DEN	BQW
P:351.2	280-30184-C-7-A		280-126896	280-126750	07/05/2012 20:06	1	TAL DEN	MW
A:351.2	280-30184-C-7-A		280-126896	280-126750	07/07/2012 15:18	1	TAL DEN	MW
A:410.4	280-30184-C-7		280-124604		06/19/2012 12:16	1	TAL DEN	MF
A:9056A	280-30184-B-7		280-124773		06/19/2012 13:54	1	TAL DEN	EK
A:9056A	280-30184-B-7		280-124774		06/19/2012 13:54	1	TAL DEN	EK
A:9060A	280-30184-D-7		280-127341		07/11/2012 12:30	1	TAL DEN	DFB
A:SM 2120B	280-30184-A-7		280-124723		06/20/2012 06:42	1	TAL DEN	DA
A:SM 2320B	280-30184-B-7		280-125300		06/22/2012 16:40	1	TAL DEN	BMG
A:SM 2340C	280-30184-E-7		280-126803		07/06/2012 09:37	1	TAL DEN	AJA
A:SM 2540C	280-30184-B-7		280-125370		06/25/2012 07:14	1	TAL DEN	BJD

Lab ID: 280-30184-7 DU **Client ID:** LF6VM2235QC

Sample Date/Time: 06/18/2012 13:05 Received Date/Time: 06/19/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9056A	280-30184-B-7 DU		280-124773		06/19/2012 16:59	1	TAL DEN	EK
A:9056A	280-30184-B-7 DU		280-124774		06/19/2012 16:59	1	TAL DEN	EK

Lab ID: 280-30184-8 **Client ID:** 061812QE

Sample Date/Time: 06/18/2012 15:00 Received Date/Time: 06/19/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30184-D-8		280-126205		06/29/2012 12:03	1	TAL DEN	BQW
P:351.2	280-30184-C-8-A		280-126896	280-126750	07/05/2012 20:06	1	TAL DEN	MW
A:351.2	280-30184-C-8-A		280-126896	280-126750	07/07/2012 15:19	1	TAL DEN	MW
A:410.4	280-30184-C-8		280-124604		06/19/2012 12:16	1	TAL DEN	MF
A:9056A	280-30184-B-8		280-124773		06/19/2012 14:45	1	TAL DEN	EK
A:9056A	280-30184-B-8		280-124774		06/19/2012 14:45	1	TAL DEN	EK
A:9060A	280-30184-D-8		280-127341		07/11/2012 12:47	1	TAL DEN	DFB
A:SM 2120B	280-30184-A-8		280-124723		06/20/2012 06:42	1	TAL DEN	DA
A:SM 2320B	280-30184-B-8		280-125300		06/22/2012 16:43	1	TAL DEN	BMG
A:SM 2340C	280-30184-E-8		280-126803		07/06/2012 09:37	1	TAL DEN	AJA
A:SM 2540C	280-30184-B-8		280-125370		06/25/2012 07:14	1	TAL DEN	BJD

Client: FPM Remediations Inc

Job Number: 280-30184-1

Laboratory Chronicle

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	MB 280-126205/20		280-126205		06/29/2012 10:39	1	TAL DEN	BQW
A:350.1	MB 280-126205/59		280-126205		06/29/2012 11:37	1	TAL DEN	BQW
P:351.2	MB 280-126750/3-A		280-126896	280-126750	07/05/2012 20:06	1	TAL DEN	MW
A:351.2	MB 280-126750/3-A		280-126896	280-126750	07/07/2012 15:02	1	TAL DEN	MW
A:410.4	MB 280-124604/5		280-124604		06/19/2012 12:16	1	TAL DEN	MF
A:9056A	MB 280-124773/7		280-124773		06/19/2012 11:06	1	TAL DEN	EK
A:9056A	MB 280-124774/7		280-124774		06/19/2012 11:06	1	TAL DEN	EK
A:9060A	MB 280-127341/47		280-127341		07/11/2012 09:18	1	TAL DEN	DFB
A:SM 2120B	MB 280-124723/1		280-124723		06/20/2012 06:42	1	TAL DEN	DA
A:SM 2320B	MB 280-125300/33		280-125300		06/22/2012 13:42	1	TAL DEN	BMG
A:SM 2320B	MB 280-125300/63		280-125300		06/22/2012 16:11	1	TAL DEN	BMG
A:SM 2340C	MB 280-126803/1		280-126803		07/06/2012 09:37	1	TAL DEN	AJA
A:SM 2540C	MB 280-125370/1		280-125370		06/25/2012 07:14	1	TAL DEN	BJD

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	LCS 280-126205/21		280-126205		06/29/2012 10:40	1	TAL DEN	BQW
A:350.1	LCS 280-126205/60		280-126205		06/29/2012 11:39	1	TAL DEN	BQW
P:351.2	LCS 280-126750/1-A		280-126896	280-126750	07/05/2012 20:06	1	TAL DEN	MW
A:351.2	LCS 280-126750/1-A		280-126896	280-126750	07/07/2012 14:59	1	TAL DEN	MW
A:410.4	LCS 280-124604/3		280-124604		06/19/2012 12:16	1	TAL DEN	MF
A:9056A	LCS 280-124773/4		280-124773		06/19/2012 10:16	1	TAL DEN	EK
A:9056A	LCS 280-124774/4		280-124774		06/19/2012 10:16	1	TAL DEN	EK
A:9060A	LCS 280-127341/45		280-127341		07/11/2012 08:40	1	TAL DEN	DFB
A:SM 2320B	LCS 280-125300/31		280-125300		06/22/2012 13:33	1	TAL DEN	BMG
A:SM 2320B	LCS 280-125300/61		280-125300		06/22/2012 16:02	1	TAL DEN	BMG
A:SM 2340C	LCS 280-126803/2		280-126803		07/06/2012 09:37	1	TAL DEN	AJA
A:SM 2540C	LCS 280-125370/2		280-125370		06/25/2012 07:14	1	TAL DEN	BJD

Client: FPM Remediations Inc

Job Number: 280-30184-1

Laboratory Chronicle

Lab ID: LCSD **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	LCSD 280-126205/22		280-126205		06/29/2012 10:42	1	TAL DEN	BQW
A:350.1	LCSD 280-126205/61		280-126205		06/29/2012 11:40	1	TAL DEN	BQW
P:351.2	LCSD 280-126750/2-A		280-126896	280-126750	07/05/2012 20:06	1	TAL DEN	MW
A:351.2	LCSD 280-126750/2-A		280-126896	280-126750	07/07/2012 15:00	1	TAL DEN	MW
A:410.4	LCSD 280-124604/4		280-124604		06/19/2012 12:16	1	TAL DEN	MF
A:9056A	LCSD 280-124773/5		280-124773		06/19/2012 10:33	1	TAL DEN	EK
A:9056A	LCSD 280-124774/5		280-124774		06/19/2012 10:33	1	TAL DEN	EK
A:9060A	LCSD 280-127341/46		280-127341		07/11/2012 08:58	1	TAL DEN	DFB
A:SM 2320B	LCSD 280-125300/32		280-125300		06/22/2012 13:38	1	TAL DEN	BMG
A:SM 2320B	LCSD 280-125300/62		280-125300		06/22/2012 16:07	1	TAL DEN	BMG
A:SM 2340C	LCSD 280-126803/3		280-126803		07/06/2012 09:37	1	TAL DEN	AJA
A:SM 2540C	LCSD 280-125370/3		280-125370		06/25/2012 07:14	1	TAL DEN	BJD

Lab ID: MRL **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9056A	MRL 280-124773/3		280-124773		06/19/2012 09:59	1	TAL DEN	EK
A:9056A	MRL 280-124774/3		280-124774		06/19/2012 09:59	1	TAL DEN	EK
A:9056A	MRL 280-124773/6		280-124773		06/19/2012 10:49	1	TAL DEN	EK

Lab References:

TAL DEN = TestAmerica Denver

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Alk daily lcs_00251	06/21/12	06/20/12	Di Water, Lot na	1000 mL	Alk stk std_00003	4 mg/L	Alkalinity	200 mg/L
.Alk stk std_00003	02/01/13		Fischer, Lot 110214		(Purchased Reagent)		Alkalinity	50 g/L
COD cal std_00014	10/31/13		Ricca, Lot 1204273		(Purchased Reagent)		Chemical Oxygen Demand	1000 mg/L
COD icv std_00009	05/31/13		HACH, Lot A2132		(Purchased Reagent)		Chemical Oxygen Demand	1000 mg/L
cod ms/msd_00006	02/01/13		Chemetrics, Lot 78777		(Purchased Reagent)		Chemical Oxygen Demand	10000 mg/L
Hard lcs std_00022	01/19/14		Lab Chem, Lot B017-22		(Purchased Reagent)		Hardness as calcium carbonate	1.008 mg/mL
IC CAL INT1_00159	06/26/12	06/19/12	Di Water, Lot na	100 mL	IC Br cal_00005	5 mL	Bromide	50 mg/L
					IC CL cal_00008	25 mL	Chloride	250 mg/L
					IC FL cal_00004	5 mL	Fluoride	50 mg/L
					IC N02 CAL_00020	5 mL	Nitrite as N	50 mg/L
					IC N03 cal_00008	5 mL	Nitrate as N	50 mg/L
					IC P04 cal_00008	5 mL	Orthophosphate as P	50 mg/L
					IC sulfatecal_00007	25 mL	Sulfate	250 mg/L
.IC Br cal_00005	07/30/12		Ricca, Lot 4101497		(Purchased Reagent)		Bromide	1000 mg/L
.IC CL cal_00008	09/30/12		Ricca, Lot 1103357		(Purchased Reagent)		Chloride	1000 mg/L
.IC FL cal_00004	11/30/12		Ricca, Lot 4106066		(Purchased Reagent)		Fluoride	1000 mg/L
.IC N02 CAL_00020	08/31/12		RICCA, Lot 1202582		(Purchased Reagent)		Nitrite as N	1000 ppm
.IC N03 cal_00008	11/30/12		Ricca, Lot 1105365		(Purchased Reagent)		Nitrate as N	1000 mg/L
.IC P04 cal_00008	09/30/13		Ricca, Lot 4110047		(Purchased Reagent)		Orthophosphate as P	1000 mg/L
.IC sulfatecal_00007	01/31/13		RICCA, Lot 2108045		(Purchased Reagent)		Sulfate	1000 mg/L
IC daily cal_00818	06/20/12	06/19/12	Di Water, Lot na	100 mL	IC CAL INT1_00159	10 mL	Bromide	5 mg/L
							Chloride	25 mg/L
							Fluoride	5 mg/L
							Nitrite as N	5 mg/L
							Nitrate as N	5 mg/L
							Orthophosphate as P	5 mg/L
							Sulfate	25 mg/L
.IC CAL INT1_00159	06/26/12	06/19/12	Di Water, Lot na	100 mL	IC Br cal_00005	5 mL	Bromide	50 mg/L
					IC CL cal_00008	25 mL	Chloride	250 mg/L
					IC FL cal_00004	5 mL	Fluoride	50 mg/L
					IC N02 CAL_00020	5 mL	Nitrite as N	50 mg/L
					IC N03 cal_00008	5 mL	Nitrate as N	50 mg/L
					IC P04 cal_00008	5 mL	Orthophosphate as P	50 mg/L
					IC sulfatecal_00007	25 mL	Sulfate	250 mg/L
..IC Br cal_00005	07/30/12		Ricca, Lot 4101497		(Purchased Reagent)		Bromide	1000 mg/L
..IC CL cal_00008	09/30/12		Ricca, Lot 1103357		(Purchased Reagent)		Chloride	1000 mg/L
..IC FL cal_00004	11/30/12		Ricca, Lot 4106066		(Purchased Reagent)		Fluoride	1000 mg/L
..IC N02 CAL_00020	08/31/12		RICCA, Lot 1202582		(Purchased Reagent)		Nitrite as N	1000 ppm
..IC N03 cal_00008	11/30/12		Ricca, Lot 1105365		(Purchased Reagent)		Nitrate as N	1000 mg/L
..IC P04 cal_00008	09/30/13		Ricca, Lot 4110047		(Purchased Reagent)		Orthophosphate as P	1000 mg/L
..IC sulfatecal_00007	01/31/13		RICCA, Lot 2108045		(Purchased Reagent)		Sulfate	1000 mg/L
IC ICV daily_00818	06/20/12	06/19/12	Di Water, Lot na	25 mL	IC ICV weekly_00153	1 mL	Bromide	2 mg/L
							Chloride	10 mg/L
							Fluoride	2 mg/L
							Nitrite as N	2 mg/L
							Nitrate as N	2 mg/L
							Orthophosphate as P	2 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Sulfate	10 mg/L
.IC ICV weekly_00153	06/26/12	06/19/12	Di Water, Lot na	10 mL	IC BR ICV_00005	0.5 mL	Bromide	50 mg/L
					IC CL ICV_00004	2.5 mL	Chloride	250 mg/L
					IC F ICV_00003	0.5 mL	Fluoride	50 mg/L
					IC NO2 ICV_00004	0.5 mL	Nitrite as N	50 mg/L
					IC NO3 ICV_00003	0.5 mL	Nitrate as N	50 mg/L
					IC PO4 ICV_00006	0.5 mL	Orthophosphate as P	50 mg/L
					IC SO4 ICV_00004	2.5 mL	Sulfate	250 mg/L
..IC BR ICV_00005	02/28/13	SPEX, Lot 2-89br-2			(Purchased Reagent)		Bromide	1000 mg/L
..IC CL ICV_00004	07/15/13	LAB CHEM, Lot A195-13			(Purchased Reagent)		Chloride	1000 mg/L
..IC F ICV_00003	06/28/12	LAB CHEM, Lot 0169-19			(Purchased Reagent)		Fluoride	1000 mg/L
..IC NO2 ICV_00004	06/29/13	ERA, Lot 250611			(Purchased Reagent)		Nitrite as N	1000 mg/L
..IC NO3 ICV_00003	11/09/12	LAB CHEM, Lot 0312-12			(Purchased Reagent)		Nitrate as N	1000 mg/L
..IC PO4 ICV_00006	01/17/13	LAB CHEM, Lot A014-13			(Purchased Reagent)		Orthophosphate as P	1000 mg/L
..IC SO4 ICV_00004	07/15/13	LAB CHEM, Lot A195-12			(Purchased Reagent)		Sulfate	1000 mg/L
ICMS/MSD WEEK_00145	06/26/12	06/19/12	Di Water, Lot NA	10 mL	IC SPK 6 ANIO_00011	5 mL	Bromide	499.962 mg/L
							Chloride	2499.92 mg/L
							Fluoride	499.957 mg/L
							Nitrate as N	499.995 mg/L
							Orthophosphate as P	500.069 mg/L
							Sulfate	2500.26 mg/L
					IC SPK N02SOL_00005	5 mL	Nitrite as N	499.973 mg/L
.IC SPK 6 ANIO_00011	08/13/12	02/07/12	Di Water, Lot NA	1000 mL	IC MS/MSD Br_00003	1.2877 g	Bromide	999.925 mg/L
					IC MS/MSD CL_00001	8.2424 g	Chloride	4999.84 mg/L
					IC MS/MSD F_00002	2.21 g	Fluoride	999.914 mg/L
					IC MS/MSD N03_00003	6.0679 g	Nitrate as N	999.99 mg/L
					IC MS/MSD P04_00001	4.3937 g	Orthophosphate as P	1000.14 mg/L
					IC MS/MSD S04_00002	9.0704 g	Sulfate	5000.51 mg/L
..IC MS/MSD Br_00003	09/29/21	FISHER, Lot 110569			(Purchased Reagent)		Bromide	0.77652 g/g
..IC MS/MSD CL_00001	05/22/13	FISHER, Lot C32068			(Purchased Reagent)		Chloride	0.6066 g/g
..IC MS/MSD F_00002	09/29/21	FISHER, Lot 110901			(Purchased Reagent)		Fluoride	0.45245 g/g
..IC MS/MSD N03_00003	10/02/16	FISHER, Lot 035600			(Purchased Reagent)		Nitrate as N	0.1648 g/g
..IC MS/MSD P04_00001	04/24/17	FISHER, Lot 063408			(Purchased Reagent)		Orthophosphate as P	0.22763 g/g
..IC MS/MSD S04_00002	02/21/14	BAKER, Lot G29146			(Purchased Reagent)		Sulfate	0.5513 g/g
.IC SPK N02SOL_00005	02/07/13	02/07/12	Di Water, Lot na	500 mL	IC MS/MSD N02_00001	2.4628 g	Nitrite as N	999.946 mg/L
..IC MS/MSD N02_00001	06/09/17	fisher, Lot 041304			(Purchased Reagent)		Nitrite as N	0.20301 g/g
NXN CAL INT_00153	07/02/12	06/25/12	Di Water, Lot NA	100 mL	NH3 CAL STD_00014	10 mg/L	Ammonia	100 mg/L
.NH3 CAL STD_00014	02/28/13	Ricca, Lot 1108313			(Purchased Reagent)		Ammonia	1000 mg/L
NXN ICV INT_00147	07/02/12	06/25/12	Di Water, Lot NA	100 mL	NH3 ICV STD_00010	10 mg/L	Ammonia	100 mg/L
.NH3 ICV STD_00010	06/24/13	LAB CHEM, Lot A174-20			(Purchased Reagent)		Ammonia	1000 mg/L
TDS LCS_00278	09/20/12	06/20/12	Di Water, Lot na	1000 mL	NaCl f_00004	0.5019 g	Total Dissolved Solids	501.9 mg/L
.NaCl f_00004	04/14/21	JT Baker, Lot J48622			(Purchased Reagent)		Total Dissolved Solids	1 g/g
TKN 25ppm_00095	07/06/12	07/05/12	Di Water, Lot 1	100 mL	TKN 100PPM_00008	25 mL	Nitrogen, Kjeldahl	25 mg/L
.TKN 100PPM_00008	08/16/12	06/16/12	Di Water, Lot 1	500 mL	TKN CAL STD_00003	50 mL	Nitrogen, Kjeldahl	100 mg/L
..TKN CAL STD_00003	06/24/13	Lab Chem, Lot A174-20			(Purchased Reagent)		Nitrogen, Kjeldahl	1000 mg/L
TKN ICV_00003	12/31/14	ERA, Lot P200-525			(Purchased Reagent)		Nitrogen, Kjeldahl	9.92 mg/L
TOC ICV Std_00012	01/31/13	Ricca, Lot 1201330			(Purchased Reagent)		Total Organic Carbon - Quad	1000 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
TOC LCS Std_00013	11/30/13	Ultra Scientific, Lot M01122			(Purchased Reagent)		Total Organic Carbon - Quad	1000 ppm

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB LF6 LTM

TestAmerica Job ID: 280-30184-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alabama	State Program	4	40730
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAC	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAC	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAC	7	E-10166
TestAmerica Denver	Louisiana	NELAC	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAC	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Jersey	NELAC	2	CO004
TestAmerica Denver	New Mexico	State Program	6	N/A
TestAmerica Denver	New York	NELAC	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAC	10	CO200001
TestAmerica Denver	Pennsylvania	NELAC	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Tennessee	State Program	4	TN02944
TestAmerica Denver	Texas	NELAC	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-08-00036
TestAmerica Denver	Utah	NELAC	8	QUAN5
TestAmerica Denver	Virginia	NELAC	3	
TestAmerica Denver	Washington	State Program	10	C1284
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG No.:

Project: Griffiss AFB LF6 LTM

Client Sample ID	Lab Sample ID
LF6VM10R230QA	280-30184-1
LF6VM1850QA	280-30184-2
LF6VM1926QA	280-30184-3
LF6VM2068QA	280-30184-4
LF6VM2175QA	280-30184-5
LF6VM2235QA	280-30184-6
LF6VM2235QC	280-30184-7
061812QE	280-30184-8

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM10R230QA
Lab Sample ID: 280-30184-1
Lab Name: TestAmerica Denver
Job No.: 280-30184-1
SDG ID.:
Matrix: Water
Date Sampled: 06/18/2012 12:00
Reporting Basis: WET
Date Received: 06/19/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.22	0.10	0.050	0.022	mg/L		J	1	350.1
Nitrogen, Kjeldahl	0.69	1.0	0.20	0.077	mg/L	J	J	1	351.2
Chemical Oxygen Demand	6.0	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	130	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.86	0.50	0.10	0.042	mg/L			1	9056A
Chloride	5.2	3.0	0.50	0.25	mg/L		J	1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.86	0.50	0.10	0.042	mg/L			1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	19	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.50	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	100	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	140	10	10	4.7	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM1850QA
Lab Sample ID: 280-30184-2
Lab Name: TestAmerica Denver
Job No.: 280-30184-1
SDG ID.:
Matrix: Water
Date Sampled: 06/18/2012 14:41
Reporting Basis: WET
Date Received: 06/19/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.096	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	0.74	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	7.3	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	310	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Chloride	92	15	2.5	1.3	mg/L			5	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	42	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.67	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	260	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	430	10	10	4.7	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM1926QA
Lab Sample ID: 280-30184-3
Lab Name: TestAmerica Denver
Job No.: 280-30184-1
SDG ID.:
Matrix: Water
Date Sampled: 06/18/2012 13:41
Reporting Basis: WET
Date Received: 06/19/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.099	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	0.58	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	5.0	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	250	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	3.4	0.50	0.10	0.042	mg/L			1	9056A
Chloride	82	15	2.5	1.3	mg/L			5	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	3.4	0.50	0.10	0.042	mg/L			1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	18	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.91	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	190	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	340	10	10	4.7	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM2068QA
Lab Sample ID: 280-30184-4
Lab Name: TestAmerica Denver
Job No.: 280-30184-1
SDG ID.:
Matrix: Water
Date Sampled: 06/18/2012 12:23
Reporting Basis: WET
Date Received: 06/19/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.11	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	0.75	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	8.0	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	130	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	1.5	0.50	0.10	0.042	mg/L			1	9056A
Chloride	120	15	2.5	1.3	mg/L			5	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	1.5	0.50	0.10	0.042	mg/L			1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	9.9	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.43	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	180	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	360	10	10	4.7	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM2175QA
Lab Sample ID: 280-30184-5
Lab Name: TestAmerica Denver
Job No.: 280-30184-1
SDG ID.:
Matrix: Water
Date Sampled: 06/18/2012 10:45
Reporting Basis: WET
Date Received: 06/19/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.12	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	0.70	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	6.3	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	99	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	1.3	0.50	0.10	0.042	mg/L			1	9056A
Chloride	3.0	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	1.3	0.50	0.10	0.042	mg/L			1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	3.0	5.0	0.50	0.23	mg/L	J		1	9056A
Total Organic Carbon - Quad	0.48	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	100	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	110	10	10	4.7	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM2235QA
Lab Sample ID: 280-30184-6
Lab Name: TestAmerica Denver
Job No.: 280-30184-1
SDG ID.:
Matrix: Water
Date Sampled: 06/18/2012 13:05
Reporting Basis: WET
Date Received: 06/19/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.11	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	0.64	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	9.7	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	310	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	2.2	0.50	0.10	0.042	mg/L			1	9056A
Chloride	21	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	2.2	0.50	0.10	0.042	mg/L			1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	18	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.63	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	180	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	230	10	10	4.7	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM2235QC
Lab Sample ID: 280-30184-7
Lab Name: TestAmerica Denver
Job No.: 280-30184-1
SDG ID.:
Matrix: Water
Date Sampled: 06/18/2012 13:05
Reporting Basis: WET
Date Received: 06/19/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.19	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	0.71	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	6.3	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	200	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	2.2	0.50	0.10	0.042	mg/L			1	9056A
Chloride	21	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	2.2	0.50	0.10	0.042	mg/L			1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	17	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.59	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	180	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	230	10	10	4.7	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 061812QE
Lab Sample ID: 280-30184-8
Lab Name: TestAmerica Denver
Job No.: 280-30184-1
SDG ID.:
Matrix: Water
Date Sampled: 06/18/2012 15:00
Reporting Basis: WET
Date Received: 06/19/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.098	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	0.60	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	U		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	3.2	5.0	1.5	1.3	mg/L	J		1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.048	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	0.50	3.0	0.50	0.25	mg/L	U		1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.048	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	0.50	5.0	0.50	0.23	mg/L	U		1	9056A
Total Organic Carbon - Quad	0.22	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	2.0	5.0	2.0	1.1	mg/L	U		1	SM 2320B
Total Dissolved Solids	10	10	10	4.7	mg/L	U		1	SM 2540C

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Analyst: BQW Batch Start Date: 06/29/2012

Reporting Units: mg/L Analytical Batch No.: 126205

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
15	ICVL	10:31	Ammonia	1.92	2.00	96	90-110		NXN ICV INT_00147
16	ICV	10:33	Ammonia	4.93	5.00	99	90-110		NXN ICV INT_00147
17	ICB	10:34	Ammonia	0.0248				J	
32	CCV	10:57	Ammonia	4.97	5.00	99	90-110		NXN CAL INT_00153
33	CCVL	10:58	Ammonia	0.954	1.00	95	90-110		NXN CAL INT_00153
34	CCB	11:00	Ammonia	0.0305				J	
49	CCVL	11:22	Ammonia	0.954	1.00	95	90-110		NXN CAL INT_00153
50	CCB	11:24	Ammonia	0.0274				J	
64	CCV	11:45	Ammonia	4.99	5.00	100	90-110		NXN CAL INT_00153
65	CCVL	11:46	Ammonia	0.949	1.00	95	90-110		NXN CAL INT_00153
66	CCB	11:48	Ammonia	0.0265				J	
80	CCV	12:09	Ammonia	4.91	5.00	98	90-110		NXN CAL INT_00153
81	CCVL	12:10	Ammonia	0.962	1.00	96	90-110		NXN CAL INT_00153
82	CCB	12:12	Ammonia	0.0298				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Analyst: MW Batch Start Date: 07/07/2012

Reporting Units: mg/L Analytical Batch No.: 126896

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
13	ICV	14:57	Nitrogen, Kjeldahl	9.50	9.92	96	90-110		TKN ICV_00003
14	ICB	14:58	Nitrogen, Kjeldahl	0.342				J	
21	CCV	15:07	Nitrogen, Kjeldahl	4.89	5.00	98	90-110		TKN 25ppm_00095
22	CCB	15:08	Nitrogen, Kjeldahl	0.379				J	
35	CCV	15:24	Nitrogen, Kjeldahl	4.87	5.00	97	90-110		TKN 25ppm_00095
36	CCB	15:26	Nitrogen, Kjeldahl	0.289				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Analyst: MF Batch Start Date: 06/19/2012

Reporting Units: mg/L Analytical Batch No.: 124604

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	12:16	Chemical Oxygen Demand	101	100	101	90-110		COD icv std_00009
2	ICB	12:16	Chemical Oxygen Demand	10				U	
16	CCV	12:16	Chemical Oxygen Demand	98.8	100	99	90-110		COD cal std_00014
17	CCB	12:16	Chemical Oxygen Demand	10				U	
27	CCV	12:16	Chemical Oxygen Demand	99.8	100	100	90-110		COD cal std_00014
28	CCB	12:16	Chemical Oxygen Demand	10				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Analyst: EK Batch Start Date: 06/19/2012

Reporting Units: mg/L Analytical Batch No.: 124773

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	09:18	Nitrate as N	1.99	2.00	99	90-110		IC ICV daily_00818
			Nitrite as N	1.96	2.00	98	90-110		IC ICV daily_00818
			Orthophosphate as P	1.96	2.00	98	90-110		IC ICV daily_00818
2	ICB	09:42	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	
18	CCV	14:11	Nitrate as N	5.01	5.00	100	90-110		IC daily cal_00818
			Nitrite as N	4.85	5.00	97	90-110		IC daily cal_00818
			Orthophosphate as P	4.70	5.00	94	90-110		IC daily cal_00818
19	CCB	14:28	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	
29	CCV	17:33	Nitrate as N	5.03	5.00	101	90-110		IC daily cal_00818
			Nitrite as N	4.90	5.00	98	90-110		IC daily cal_00818
			Orthophosphate as P	4.70	5.00	94	90-110		IC daily cal_00818
30	CCB	17:50	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Analyst: EK Batch Start Date: 06/19/2012

Reporting Units: mg/L Analytical Batch No.: 124774

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	09:18	Bromide	1.93	2.00	96	90-110		IC ICV daily_00818
			Chloride	10.1	10.0	101	90-110		IC ICV daily_00818
			Fluoride	2.07	2.00	104	90-110		IC ICV daily_00818
			Sulfate	9.94	10.0	99	90-110		IC ICV daily_00818
2	ICB	09:42	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
18	CCV	14:11	Bromide	4.97	5.00	99	90-110		IC daily cal_00818
			Chloride	25.1	25.0	100	90-110		IC daily cal_00818
			Fluoride	5.03	5.00	101	90-110		IC daily cal_00818
			Sulfate	25.7	25.0	103	90-110		IC daily cal_00818
19	CCB	14:28	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
29	CCV	17:33	Bromide	4.99	5.00	100	90-110		IC daily cal_00818
			Chloride	25.1	25.0	100	90-110		IC daily cal_00818
			Fluoride	5.04	5.00	101	90-110		IC daily cal_00818
			Sulfate	25.9	25.0	104	90-110		IC daily cal_00818
30	CCB	17:50	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
41	CCV	21:11	Bromide	5.01	5.00	100	90-110		IC daily cal_00818
			Chloride	25.2	25.0	101	90-110		IC daily cal_00818
			Fluoride	5.02	5.00	100	90-110		IC daily cal_00818
			Sulfate	26.4	25.0	106	90-110		IC daily cal_00818
42	CCB	21:28	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Analyst: DFB Batch Start Date: 07/10/2012

Reporting Units: mg/L Analytical Batch No.: 127341

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	20:07	Total Organic Carbon - Quad	18.5	20.0	93	90-110		TOC ICV Std_00012
2	ICB	20:25	Total Organic Carbon - Quad	0.25				U	
40	CCV	07:12	Total Organic Carbon - Quad	23.3	25.0	93	90-110		TOC LCS Std_00013
41	CCB	07:32	Total Organic Carbon - Quad	0.25				U	
52	CCV	10:45	Total Organic Carbon - Quad	23.4	25.0	93	90-110		TOC LCS Std_00013
53	CCB	11:03	Total Organic Carbon - Quad	0.25				U	
60	CCV	13:03	Total Organic Carbon - Quad	23.4	25.0	94	90-110		TOC LCS Std_00013
61	CCB	13:23	Total Organic Carbon - Quad	0.25				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Analyst: BMG Batch Start Date: 06/22/2012

Reporting Units: mg/L Analytical Batch No.: 125300

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
29	CCV	13:24	Alkalinity	206	200	103	90-110		Alk daily lcs_00251
30	CCB	13:28	Alkalinity	2.0				U	
41	CCV	14:23	Alkalinity	207	200	104	90-110		Alk daily lcs_00251
42	CCB	14:27	Alkalinity	2.0				U	
53	CCV	15:24	Alkalinity	207	200	103	90-110		Alk daily lcs_00251
54	CCB	15:28	Alkalinity	2.0				U	
59	CCV	15:53	Alkalinity	206	200	103	90-110		Alk daily lcs_00251
60	CCB	15:57	Alkalinity	2.0				U	
71	CCV	16:48	Alkalinity	207	200	104	90-110		Alk daily lcs_00251
72	CCB	16:52	Alkalinity	2.0				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 126205	Date: 06/29/2012 10:39						
350.1	MB 280-126205/20	Ammonia	0.0233	J	mg/L	0.10	1
Batch ID: 126205	Date: 06/29/2012 11:37						
350.1	MB 280-126205/59	Ammonia	0.050	U	mg/L	0.10	1
Batch ID: 126896	Date: 07/07/2012 15:02	Prep Batch: 126750	Date: 07/05/2012 20:06				
351.2	MB 280-126750/3-A	Nitrogen, Kjeldahl	0.316	J	mg/L	1.0	1
Batch ID: 124604	Date: 06/19/2012 12:16						
410.4	MB 280-124604/5	Chemical Oxygen Demand	10	U	mg/L	20	1
Batch ID: 124773	Date: 06/19/2012 11:06						
9056A	MB 280-124773/7	Nitrate as N	0.10	U	mg/L	0.50	1
9056A	MB 280-124773/7	Nitrite as N	0.10	U	mg/L	0.50	1
9056A	MB 280-124773/7	Nitrate Nitrite as N	0.10	U	mg/L	0.50	1
9056A	MB 280-124773/7	Orthophosphate as P	0.20	U	mg/L	0.50	1
Batch ID: 124774	Date: 06/19/2012 11:06						
9056A	MB 280-124774/7	Bromide	0.20	U	mg/L	0.50	1
9056A	MB 280-124774/7	Chloride	0.50	U	mg/L	3.0	1
9056A	MB 280-124774/7	Fluoride	0.10	U	mg/L	1.0	1
9056A	MB 280-124774/7	Sulfate	0.50	U	mg/L	5.0	1
Batch ID: 127341	Date: 07/11/2012 09:18						
9060A	MB 280-127341/47	Total Organic Carbon - Quad	0.40	U	mg/L	1.0	1
Batch ID: 124723	Date: 06/20/2012 06:42						
SM 2120B	MB 280-124723/1	Color	5.0	U	PCU	5.0	1
Batch ID: 125300	Date: 06/22/2012 13:42						
SM 2320B	MB 280-125300/33	Alkalinity	2.0	U	mg/L	5.0	1
Batch ID: 125300	Date: 06/22/2012 16:11						
SM 2320B	MB 280-125300/63	Alkalinity	2.0	U	mg/L	5.0	1
Batch ID: 126803	Date: 07/06/2012 09:37						
SM 2340C	MB 280-126803/1	Hardness as calcium carbonate	1.5	U	mg/L	5.0	1
Batch ID: 125370	Date: 06/25/2012 07:14						
SM 2540C	MB 280-125370/1	Total Dissolved Solids	10	U	mg/L	10	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126205	Date: 06/29/2012 11:51										
350.1	280-30184-1	Ammonia	0.22		mg/L						J
350.1	280-30184-1 MS	Ammonia	1.76		mg/L	4.00	38	90-110			J
Batch ID: 126896	Date: 07/07/2012 15:04	Prep Batch: 126750	Date: 07/05/2012 20:06								
351.2	280-30184-1	Nitrogen, Kjeldahl	0.69	J	mg/L						J
351.2	280-30184-1 MS	Nitrogen, Kjeldahl	2.82		mg/L	3.00	71	90-110			J
Batch ID: 124604	Date: 06/19/2012 12:16										
410.4	280-30184-2	Chemical Oxygen Demand	7.3	J	mg/L						
410.4	280-30184-2 MS	Chemical Oxygen Demand	56.1		mg/L	50.0	97	90-110			
Batch ID: 124773	Date: 06/19/2012 11:57										
9056A	280-30184-1	Nitrate as N	0.86		mg/L						
9056A	280-30184-1 MS	Nitrate as N	6.18		mg/L	5.00	106	87-110			
9056A	280-30184-1	Nitrite as N	0.10	U	mg/L						
9056A	280-30184-1 MS	Nitrite as N	4.92		mg/L	5.00	98	87-112			
9056A	280-30184-1	Orthophosphate as P	0.20	U	mg/L						
9056A	280-30184-1 MS	Orthophosphate as P	5.36		mg/L	5.00	107	80-120			
Batch ID: 124774	Date: 06/19/2012 11:57										
9056A	280-30184-1	Bromide	0.20	U	mg/L						
9056A	280-30184-1 MS	Bromide	5.28		mg/L	5.00	106	86-110			
9056A	280-30184-1	Chloride	5.2		mg/L						J
9056A	280-30184-1 MS	Chloride	32.2		mg/L	25.0	108	89-110			
9056A	280-30184-1	Fluoride	0.10	U	mg/L						
9056A	280-30184-1 MS	Fluoride	5.00		mg/L	5.00	100	88-111			
9056A	280-30184-1	Sulfate	19		mg/L						
9056A	280-30184-1 MS	Sulfate	45.0		mg/L	25.0	105	86-110			
Batch ID: 127341	Date: 07/11/2012 09:52										
9060A	280-30184-1	Total Organic Carbon - Quad	0.50	J	mg/L						
9060A	280-30184-1 MS	Total Organic Carbon - Quad	24.0		mg/L	25.0	94	86-114			
Batch ID: 126803	Date: 07/06/2012 09:37										
SM 2340C	280-30184-1	Hardness as calcium carbonate	130		mg/L						
SM 2340C	280-30184-1 MS	Hardness as calcium carbonate	520		mg/L	403	98	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126205	Date: 06/29/2012 11:52										
350.1	280-30184-1 MSD	Ammonia	1.69		mg/L	4.00	37	90-110	4	20	J
Batch ID: 126896	Date: 07/07/2012 15:05	Prep Batch: 126750			Date: 07/05/2012 20:06						
351.2	280-30184-1 MSD	Nitrogen, Kjeldahl	2.86		mg/L	3.00	72	90-110	1	25	J
Batch ID: 124604	Date: 06/19/2012 12:16										
410.4	280-30184-2 MSD	Chemical Oxygen Demand	55.4		mg/L	50.0	96	90-110	1	11	
Batch ID: 124773	Date: 06/19/2012 12:13										
9056A	280-30184-1 MSD	Nitrate as N	6.37		mg/L	5.00	110	87-110	3	10	
9056A	280-30184-1 MSD	Nitrite as N	5.07		mg/L	5.00	101	87-112	3	10	
9056A	280-30184-1 MSD	Orthophosphate as P	5.70		mg/L	5.00	114	80-120	6	20	
Batch ID: 124774	Date: 06/19/2012 12:13										
9056A	280-30184-1 MSD	Bromide	5.46		mg/L	5.00	109	86-110	3	10	
9056A	280-30184-1 MSD	Chloride	33.1		mg/L	25.0	112	89-110	3	10	J
9056A	280-30184-1 MSD	Fluoride	5.17		mg/L	5.00	103	88-111	3	10	
9056A	280-30184-1 MSD	Sulfate	45.8		mg/L	25.0	108	86-110	2	10	
Batch ID: 127341	Date: 07/11/2012 10:10										
9060A	280-30184-1 MSD	Total Organic Carbon - Quad	24.0		mg/L	25.0	94	86-114	0	12	
Batch ID: 126803	Date: 07/06/2012 09:37										
SM 2340C	280-30184-1 MSD	Hardness as calcium carbonate	524		mg/L	403	98	90-110	1	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 124773 Date: 06/19/2012 11:40								
9056A	LF6VM10R230QA	280-30184-1	Nitrate as N	0.86	mg/L			
9056A	LF6VM10R230QA	280-30184-1 DU	Nitrate as N	0.862	mg/L	0.3	15	
9056A	LF6VM10R230QA	280-30184-1	Nitrite as N	0.10	mg/L			U
9056A	LF6VM10R230QA	280-30184-1 DU	Nitrite as N	0.10	mg/L	NC	15	U
9056A	LF6VM10R230QA	280-30184-1	Orthophosphate as P	0.20	mg/L			U
9056A	LF6VM10R230QA	280-30184-1 DU	Orthophosphate as P	0.20	mg/L	NC	15	U
Batch ID: 124774 Date: 06/19/2012 11:40								
9056A	LF6VM10R230QA	280-30184-1	Bromide	0.20	mg/L			U
9056A	LF6VM10R230QA	280-30184-1 DU	Bromide	0.20	mg/L	NC	15	U
9056A	LF6VM10R230QA	280-30184-1	Chloride	5.2	mg/L			
9056A	LF6VM10R230QA	280-30184-1 DU	Chloride	5.19	mg/L	0.08	15	
9056A	LF6VM10R230QA	280-30184-1	Fluoride	0.10	mg/L			U
9056A	LF6VM10R230QA	280-30184-1 DU	Fluoride	0.10	mg/L	NC	15	U
9056A	LF6VM10R230QA	280-30184-1	Sulfate	19	mg/L			
9056A	LF6VM10R230QA	280-30184-1 DU	Sulfate	18.8	mg/L	0.5	15	
Batch ID: 124773 Date: 06/19/2012 16:59								
9056A	LF6VM2235QC	280-30184-7	Nitrate as N	2.2	mg/L			
9056A	LF6VM2235QC	280-30184-7 DU	Nitrate as N	2.23	mg/L	0.3	15	
9056A	LF6VM2235QC	280-30184-7	Nitrite as N	0.10	mg/L			U
9056A	LF6VM2235QC	280-30184-7 DU	Nitrite as N	0.10	mg/L	NC	15	U
9056A	LF6VM2235QC	280-30184-7	Orthophosphate as P	0.20	mg/L			U
9056A	LF6VM2235QC	280-30184-7 DU	Orthophosphate as P	0.20	mg/L	NC	15	U
Batch ID: 124774 Date: 06/19/2012 16:59								
9056A	LF6VM2235QC	280-30184-7	Bromide	0.20	mg/L			U
9056A	LF6VM2235QC	280-30184-7 DU	Bromide	0.20	mg/L	NC	15	U
9056A	LF6VM2235QC	280-30184-7	Chloride	21	mg/L			
9056A	LF6VM2235QC	280-30184-7 DU	Chloride	20.7	mg/L	0.9	15	
9056A	LF6VM2235QC	280-30184-7	Fluoride	0.10	mg/L			U
9056A	LF6VM2235QC	280-30184-7 DU	Fluoride	0.10	mg/L	NC	15	U
9056A	LF6VM2235QC	280-30184-7	Sulfate	17	mg/L			
9056A	LF6VM2235QC	280-30184-7 DU	Sulfate	17.1	mg/L	0.4	15	
Batch ID: 124723 Date: 06/20/2012 06:42								
SM 2120B	LF6VM10R230QA	280-30184-1	Color	5.0	PCU			U
SM 2120B	LF6VM10R230QA	280-30184-1 DU	Color	5.0	PCU	NC	20	U
Batch ID: 125300 Date: 06/22/2012 16:20								
SM 2320B	LF6VM1926QA	280-30184-3	Alkalinity	190	mg/L			
SM 2320B	LF6VM1926QA	280-30184-3 DU	Alkalinity	188	mg/L	0.2	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126205	Date: 06/29/2012 10:40										
						LCS Source: NXN CAL INT_00153					
350.1	LCS 280-126205/21	Ammonia	5.04		mg/L	5.00	101	90-110	0	10	
Batch ID: 126205	Date: 06/29/2012 11:39										
						LCS Source: NXN CAL INT_00153					
350.1	LCS 280-126205/60	Ammonia	4.98		mg/L	5.00	100	90-110	0	10	
Batch ID: 126896	Date: 07/07/2012 14:59	Prep Batch: 126750	Date: 07/05/2012 20:06								
						LCS Source: TKN 25ppm_00095					
351.2	LCS 280-126750/1-A	Nitrogen, Kjeldahl	5.67		mg/L	6.00	95	90-110	1	25	
Batch ID: 124604	Date: 06/19/2012 12:16										
						LCS Source: COD cal std_00014					
410.4	LCS 280-124604/3	Chemical Oxygen Demand	99.4		mg/L	100	99	90-110	3	11	
Batch ID: 124773	Date: 06/19/2012 10:16										
						LCS Source: IC daily cal_00818					
9056A	LCS 280-124773/4	Nitrate as N	4.99		mg/L	5.00	100	87-110	0	10	
9056A	LCS 280-124773/4	Nitrite as N	4.87		mg/L	5.00	97	87-112	0	10	
9056A	LCS 280-124773/4	Orthophosphate as P	4.59		mg/L	5.00	92	90-110	5	10	
Batch ID: 124774	Date: 06/19/2012 10:16										
						LCS Source: IC daily cal_00818					
9056A	LCS 280-124774/4	Bromide	4.95		mg/L	5.00	99	86-110	0	10	
9056A	LCS 280-124774/4	Chloride	25.1		mg/L	25.0	100	89-110	0	10	
9056A	LCS 280-124774/4	Fluoride	5.08		mg/L	5.00	102	88-111	0	10	
9056A	LCS 280-124774/4	Sulfate	24.9		mg/L	25.0	99	86-110	1	10	
Batch ID: 127341	Date: 07/11/2012 08:40										
						LCS Source: TOC LCS Std_00013					
9060A	LCS 280-127341/45	Total Organic Carbon - Quad	23.4		mg/L	25.0	93	86-114	0	12	
Batch ID: 125300	Date: 06/22/2012 13:33										
						LCS Source: Alk daily lcs_00251					
SM 2320B	LCS 280-125300/31	Alkalinity	206		mg/L	200	103	90-110	0	10	
Batch ID: 125300	Date: 06/22/2012 16:02										
						LCS Source: Alk daily lcs_00251					
SM 2320B	LCS 280-125300/61	Alkalinity	206		mg/L	200	103	90-110	1	10	
Batch ID: 126803	Date: 07/06/2012 09:37										
						LCS Source: Hard lcs std_00022					
SM 2340C	LCS 280-126803/2	Hardness as calcium carbonate	402		mg/L	403	100	90-110	1	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 125370 Date: 06/25/2012 07:14											
						LCS Source: TDS LCS_00278					
SM 2540C	LCS 280-125370/2	Total Dissolved Solids	478		mg/L	502	95	86-110	1	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126205	Date: 06/29/2012 10:42										
						LCSD Source: NXN CAL INT_00153					
350.1	LCSD 280-126205/22	Ammonia	5.03		mg/L	5.00	101	90-110	0	10	
Batch ID: 126205	Date: 06/29/2012 11:40										
						LCSD Source: NXN CAL INT_00153					
350.1	LCSD 280-126205/61	Ammonia	4.97		mg/L	5.00	99	90-110	0	10	
Batch ID: 126896	Date: 07/07/2012 15:00	Prep Batch: 126750	Date: 07/05/2012 20:06								
						LCSD Source: TKN 25ppm_00095					
351.2	LCSD 280-126750/2-A	Nitrogen, Kjeldahl	5.72		mg/L	6.00	95	90-110	1	25	
Batch ID: 124604	Date: 06/19/2012 12:16										
						LCSD Source: COD cal std_00014					
410.4	LCSD 280-124604/4	Chemical Oxygen Demand	102		mg/L	100	102	90-110	3	11	
Batch ID: 124773	Date: 06/19/2012 10:33										
						LCSD Source: IC daily cal_00818					
9056A	LCSD 280-124773/5	Nitrate as N	5.00		mg/L	5.00	100	87-110	0	10	
9056A	LCSD 280-124773/5	Nitrite as N	4.86		mg/L	5.00	97	87-112	0	10	
9056A	LCSD 280-124773/5	Orthophosphate as P	4.83		mg/L	5.00	97	90-110	5	10	
Batch ID: 124774	Date: 06/19/2012 10:33										
						LCSD Source: IC daily cal_00818					
9056A	LCSD 280-124774/5	Bromide	4.95		mg/L	5.00	99	86-110	0	10	
9056A	LCSD 280-124774/5	Chloride	25.0		mg/L	25.0	100	89-110	0	10	
9056A	LCSD 280-124774/5	Fluoride	5.08		mg/L	5.00	102	88-111	0	10	
9056A	LCSD 280-124774/5	Sulfate	25.0		mg/L	25.0	100	86-110	1	10	
Batch ID: 127341	Date: 07/11/2012 08:58										
						LCSD Source: TOC LCS Std_00013					
9060A	LCSD 280-127341/46	Total Organic Carbon - Quad	23.3		mg/L	25.0	93	86-114	0	12	
Batch ID: 125300	Date: 06/22/2012 13:38										
						LCSD Source: Alk daily lcs_00251					
SM 2320B	LCSD 280-125300/32	Alkalinity	207		mg/L	200	104	90-110	0	10	
Batch ID: 125300	Date: 06/22/2012 16:07										
						LCSD Source: Alk daily lcs_00251					
SM 2320B	LCSD 280-125300/62	Alkalinity	207		mg/L	200	104	90-110	1	10	
Batch ID: 126803	Date: 07/06/2012 09:37										
						LCSD Source: Hard lcs std_00022					
SM 2340C	LCSD 280-126803/3	Hardness as calcium carbonate	405		mg/L	403	100	90-110	1	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 125370 Date: 06/25/2012 07:14											
						LCSD Source: TDS LCS_00278					
SM 2540C	LCSD 280-125370/3	Total Dissolved Solids	474		mg/L	502	94	86-110	1	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 124773	Date: 06/19/2012 09:59										
						LCS Source:	IC CAL INT1_00159				
9056A	MRL 280-124773/3	Nitrate as N	0.213	J	mg/L	0.200	107	50-150			
9056A	MRL 280-124773/3	Nitrite as N	0.211	J	mg/L	0.200	106	50-150			
Batch ID: 124774	Date: 06/19/2012 09:59										
						LCS Source:	IC CAL INT1_00159				
9056A	MRL 280-124774/3	Bromide	0.222		mg/L	0.200	111	50-150			
9056A	MRL 280-124774/3	Chloride	1.04	J	mg/L	1.00	104	50-150			
9056A	MRL 280-124774/3	Fluoride	0.185	J	mg/L	0.200	93	50-150			
9056A	MRL 280-124774/3	Sulfate	0.798	J	mg/L	1.00	80	50-150			
Batch ID: 124773	Date: 06/19/2012 10:49										
						LCS Source:	IC CAL INT1_00159				
9056A	MRL 280-124773/6	Orthophosphate as P	0.412	J	mg/L	0.500	82	50-150			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 350.1 DL Date: 03/28/2011 13:26

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Ammonia		0.1	0.022

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 350.1 XMDL Date: 03/28/2011 13:26

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Ammonia		0.1	0.0225

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 351.2 DL Date: 10/26/2010 10:52

Prep Method: 351.2

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Nitrogen, Kjeldahl		1	0.077

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 351.2 XMDL Date: 10/26/2010 10:52

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrogen, Kjeldahl		1	0.077

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: WC_HACH SPEC

Method: 410.4 DL Date: 09/19/2011 14:10

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Chemical Oxygen Demand		20	4.06

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: WC_HACH SPEC

Method: 410.4 XMDL Date: 03/22/2010 16:03

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chemical Oxygen Demand		20	4.06

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2120B LOQ Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	LOQ (PCU)	
Color		5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2120B XRL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (PCU)	
Color		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2340C DL Date: 03/11/2010 17:08

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Hardness as calcium carbonate		5	1.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2340C XMDL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Hardness as calcium carbonate		5	1.3

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A DL Date: 11/30/2009 00:00

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Bromide		0.5	0.113
Chloride		3	0.254
Fluoride		1	0.06
Nitrate as N		0.5	0.042
Nitrate Nitrite as N		0.5	0.042
Nitrite as N		0.5	0.049
Orthophosphate as P		0.5	0.187
Sulfate		5	0.232

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A XMDL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Bromide		0.2	0.113
Chloride		3	0.254
Fluoride		0.5	0.0597
Sulfate		5	0.232

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A XMDL Date: 03/28/2011 13:33

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrate as N		0.5	0.0425
Nitrate Nitrite as N		0.5	0.0425
Nitrite as N		0.5	0.0494
Orthophosphate as P		0.5	0.187

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060A DL Date: 11/30/2009 00:00

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Total Organic Carbon - Quad		1	0.155

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060A XMDL Date: 03/28/2011 11:39

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon - Quad		1	0.155

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: WC-AT3

Method: SM 2320B DL Date: 03/28/2011 12:06

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Alkalinity		5	1.07

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: WC-AT3

Method: SM 2320B XMDL Date: 03/28/2011 12:06

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Alkalinity		5	1.07

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2540C DL Date: 10/07/2011 10:03

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Total Dissolved Solids		10	4.7

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30184-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2540C XMDL Date: 10/11/2010 11:58

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Dissolved Solids		10	4.7

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Prep Method: 351.2

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LCS 280-126750/1-A	07/05/2012 20:06	126750		25	25
LCSD 280-126750/2-A	07/05/2012 20:06	126750		25	25
MB 280-126750/3-A	07/05/2012 20:06	126750		25	25
280-30184-1	07/05/2012 20:06	126750		25	25
280-30184-1 MS	07/05/2012 20:06	126750		25	25
280-30184-1 MSD	07/05/2012 20:06	126750		25	25
280-30184-2	07/05/2012 20:06	126750		25	25
280-30184-3	07/05/2012 20:06	126750		25	25
280-30184-4	07/05/2012 20:06	126750		25	25
280-30184-5	07/05/2012 20:06	126750		25	25
280-30184-6	07/05/2012 20:06	126750		25	25
280-30184-7	07/05/2012 20:06	126750		25	25
280-30184-8	07/05/2012 20:06	126750		25	25

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 06/29/2012 10:10 End Date: 06/29/2012 16:57

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			10:10																				
ZZZZZZ			10:12																				
ZZZZZZ			10:13																				
ZZZZZZ			10:15																				
IC 280-126205/5			10:16	X																			
IC 280-126205/6			10:18	X																			
IC 280-126205/7			10:19	X																			
IC 280-126205/8			10:21	X																			
IC 280-126205/9			10:22	X																			
IC 280-126205/10			10:24	X																			
IC 280-126205/11			10:25	X																			
ZZZZZZ			10:27																				
ZZZZZZ			10:28																				
ZZZZZZ			10:30																				
ICVL 280-126205/15	1		10:31	X																			
ICV 280-126205/16	1		10:33	X																			
ICB 280-126205/17	1		10:34	X																			
ZZZZZZ			10:36																				
ZZZZZZ			10:37																				
MB 280-126205/20	1	T	10:39	X																			
LCS 280-126205/21	1	T	10:40	X																			
LCSD 280-126205/22	1	T	10:42	X																			
ZZZZZZ			10:43																				
ZZZZZZ			10:45																				
ZZZZZZ			10:46																				
ZZZZZZ			10:48																				
ZZZZZZ			10:49																				
ZZZZZZ			10:51																				
ZZZZZZ			10:52																				
ZZZZZZ			10:54																				
RINSE 280-126205/31			10:55																				
CCV 280-126205/32	1		10:57	X																			
CCVL 280-126205/33	1		10:58	X																			
CCB 280-126205/34	1		11:00	X																			
ZZZZZZ			11:01																				
ZZZZZZ			11:03																				
ZZZZZZ			11:04																				
ZZZZZZ			11:06																				
ZZZZZZ			11:07																				
ZZZZZZ			11:09																				
ZZZZZZ			11:10																				
ZZZZZZ			11:12																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 06/29/2012 10:10 End Date: 06/29/2012 16:57

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			11:13																				
ZZZZZZ			11:15																				
ZZZZZZ			11:16																				
ZZZZZZ			11:18																				
RINSE 280-126205/47			11:19																				
CCV 280-126205/48			11:21																				
CCVL 280-126205/49	1		11:22	X																			
CCB 280-126205/50	1		11:24	X																			
ZZZZZZ			11:25																				
ZZZZZZ			11:27																				
ZZZZZZ			11:28																				
ZZZZZZ			11:30																				
ZZZZZZ			11:31																				
ZZZZZZ			11:33																				
ZZZZZZ			11:34																				
280-30184-1	1	T	11:36	X																			
MB 280-126205/59	1	T	11:37	X																			
LCS 280-126205/60	1	T	11:39	X																			
LCSD 280-126205/61	1	T	11:40	X																			
ZZZZZZ			11:42																				
RINSE 280-126205/63			11:43																				
CCV 280-126205/64	1		11:45	X																			
CCVL 280-126205/65	1		11:46	X																			
CCB 280-126205/66	1		11:48	X																			
ZZZZZZ			11:49																				
280-30184-1 MS	1	T	11:51	X																			
280-30184-1 MSD	1	T	11:52	X																			
280-30184-2	1	T	11:54	X																			
280-30184-3	1	T	11:55	X																			
280-30184-4	1	T	11:57	X																			
280-30184-5	1	T	11:58	X																			
280-30184-6	1	T	12:00	X																			
280-30184-7	1	T	12:01	X																			
280-30184-8	1	T	12:03	X																			
ZZZZZZ			12:04																				
ZZZZZZ			12:06																				
RINSE 280-126205/79			12:07																				
CCV 280-126205/80	1		12:09	X																			
CCVL 280-126205/81	1		12:10	X																			
CCB 280-126205/82	1		12:12	X																			
ZZZZZZ			12:13																				
ZZZZZZ			12:15																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 06/29/2012 10:10 End Date: 06/29/2012 16:57

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			12:16																				
ZZZZZZ			12:18																				
ZZZZZZ			12:19																				
ZZZZZZ			12:21																				
ZZZZZZ			12:22																				
ZZZZZZ			12:24																				
ZZZZZZ			12:25																				
ZZZZZZ			12:27																				
ZZZZZZ			12:28																				
ZZZZZZ			12:30																				
RINSE 280-126205/95			12:31																				
CCV 280-126205/96			12:33																				
CCVL 280-126205/97			12:34																				
CCB 280-126205/98			12:36																				
ZZZZZZ			12:37																				
ZZZZZZ			12:39																				
ZZZZZZ			12:40																				
ZZZZZZ			12:42																				
ZZZZZZ			12:43																				
ZZZZZZ			12:45																				
ZZZZZZ			12:47																				
ZZZZZZ			12:48																				
ZZZZZZ			12:50																				
ZZZZZZ			12:51																				
ZZZZZZ			12:53																				
ZZZZZZ			12:54																				
RINSE 280-126205/111			12:56																				
CCV 280-126205/112			12:57																				
CCVL 280-126205/113			12:59																				
CCB 280-126205/114			13:00																				
ZZZZZZ			13:02																				
RINSE 280-126205/116			13:03																				
ZZZZZZ			13:05																				
ZZZZZZ			13:06																				
ZZZZZZ			13:08																				
ZZZZZZ			13:09																				
ZZZZZZ			13:11																				
ZZZZZZ			13:12																				
ZZZZZZ			13:14																				
ZZZZZZ			13:15																				
ZZZZZZ			13:17																				
ZZZZZZ			13:18																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 06/29/2012 10:10 End Date: 06/29/2012 16:57

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			13:20																				
RINSE 280-126205/128			13:21																				
CCV 280-126205/129			13:23																				
CCVL 280-126205/130			13:24																				
CCB 280-126205/131			13:26																				
ZZZZZZ			13:27																				
RINSE 280-126205/133			13:29																				
ZZZZZZ			13:30																				
ZZZZZZ			13:32																				
ZZZZZZ			13:33																				
ZZZZZZ			13:35																				
ZZZZZZ			13:36																				
ZZZZZZ			13:38																				
ZZZZZZ			13:39																				
ZZZZZZ			13:41																				
ZZZZZZ			13:42																				
ZZZZZZ			13:44																				
ZZZZZZ			13:45																				
RINSE 280-126205/145			13:47																				
CCV 280-126205/146			13:55																				
CCVL 280-126205/147			13:56																				
CCB 280-126205/148			13:57																				
ZZZZZZ			13:59																				
RINSE 280-126205/150			14:00																				
ZZZZZZ			14:02																				
ZZZZZZ			14:03																				
ZZZZZZ			14:05																				
ZZZZZZ			14:06																				
ZZZZZZ			14:08																				
ZZZZZZ			14:09																				
ZZZZZZ			14:11																				
ZZZZZZ			14:12																				
ZZZZZZ			14:14																				
ZZZZZZ			14:15																				
ZZZZZZ			14:17																				
RINSE 280-126205/162			14:19																				
CCV 280-126205/163			14:20																				
CCVL 280-126205/164			14:22																				
CCB 280-126205/165			14:23																				
ZZZZZZ			14:25																				
RINSE 280-126205/167			14:26																				
ZZZZZZ			14:28																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 06/29/2012 10:10 End Date: 06/29/2012 16:57

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			14:29																				
ZZZZZZ			14:31																				
ZZZZZZ			14:32																				
ZZZZZZ			14:34																				
ZZZZZZ			14:35																				
ZZZZZZ			14:37																				
ZZZZZZ			14:38																				
ZZZZZZ			14:40																				
ZZZZZZ			14:41																				
ZZZZZZ			14:43																				
RINSE 280-126205/179			14:44																				
CCV 280-126205/180			14:46																				
CCVL 280-126205/181			14:47																				
CCB 280-126205/182			14:49																				
ZZZZZZ			14:50																				
RINSE 280-126205/184			14:52																				
ZZZZZZ			14:53																				
ZZZZZZ			14:55																				
ZZZZZZ			14:56																				
ZZZZZZ			14:58																				
ZZZZZZ			14:59																				
ZZZZZZ			15:01																				
ZZZZZZ			15:02																				
ZZZZZZ			15:04																				
ZZZZZZ			15:05																				
ZZZZZZ			15:07																				
ZZZZZZ			15:08																				
RINSE 280-126205/196			15:10																				
CCV 280-126205/197			15:11																				
CCVL 280-126205/198			15:13																				
CCB 280-126205/199			15:14																				
ZZZZZZ			15:16																				
RINSE 280-126205/201			15:17																				
ZZZZZZ			15:19																				
ZZZZZZ			15:20																				
ZZZZZZ			15:22																				
ZZZZZZ			15:23																				
ZZZZZZ			15:25																				
ZZZZZZ			15:26																				
ZZZZZZ			15:28																				
ZZZZZZ			15:29																				
ZZZZZZ			15:31																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 06/29/2012 10:10 End Date: 06/29/2012 16:57

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
RINSE 280-126205/211			15:32																				
ZZZZZZ			15:34																				
RINSE 280-126205/213			15:35																				
CCV 280-126205/214			15:37																				
CCVL 280-126205/215			15:38																				
CCB 280-126205/216			15:40																				
ZZZZZZ			15:41																				
RINSE 280-126205/218			15:43																				
ZZZZZZ			15:44																				
ZZZZZZ			15:46																				
ZZZZZZ			15:47																				
ZZZZZZ			15:49																				
ZZZZZZ			15:50																				
ZZZZZZ			15:52																				
ZZZZZZ			15:53																				
ZZZZZZ			15:55																				
ZZZZZZ			15:56																				
ZZZZZZ			15:58																				
ZZZZZZ			15:59																				
RINSE 280-126205/230			16:01																				
CCV 280-126205/231			16:02																				
CCVL 280-126205/232			16:04																				
CCB 280-126205/233			16:05																				
ZZZZZZ			16:07																				
ZZZZZZ			16:08																				
ZZZZZZ			16:10																				
ZZZZZZ			16:12																				
ZZZZZZ			16:13																				
ZZZZZZ			16:15																				
ZZZZZZ			16:17																				
ZZZZZZ			16:18																				
ZZZZZZ			16:20																				
ZZZZZZ			16:21																				
ZZZZZZ			16:23																				
ZZZZZZ			16:25																				
RINSE 280-126205/246			16:26																				
CCV 280-126205/247			16:28																				
CCVL 280-126205/248			16:29																				
CCB 280-126205/249			16:31																				
ZZZZZZ			16:32																				
ZZZZZZ			16:34																				
ZZZZZZ			16:35																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 06/29/2012 10:10 End Date: 06/29/2012 16:57

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			16:37																				
ZZZZZZ			16:38																				
RINSE 280-126205/255			16:40																				
ZZZZZZ			16:41																				
ZZZZZZ			16:43																				
ZZZZZZ			16:44																				
ZZZZZZ			16:46																				
ZZZZZZ			16:48																				
ZZZZZZ			16:49																				
RINSE 280-126205/262			16:51																				
CCV 280-126205/263			16:53																				
CCVL 280-126205/264			16:55																				
CCB 280-126205/265			16:56																				
ZZZZZZ			16:57																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC_Astoria Method: 351.2

Start Date: 07/07/2012 14:42 End Date: 07/07/2012 15:48

Lab Sample ID	D/F	Type	Time	Analytes																			
				TKN																			
ZZZZZZ			14:42																				
ZZZZZZ			14:43																				
ZZZZZZ			14:44																				
ZZZZZZ			14:45																				
IC 280-126896/5			14:47	X																			
IC 280-126896/6			14:48	X																			
IC 280-126896/7			14:49	X																			
IC 280-126896/8			14:50	X																			
IC 280-126896/9			14:52	X																			
IC 280-126896/10			14:53	X																			
ZZZZZZ			14:54																				
ZZZZZZ			14:55																				
ICV 280-126896/13	2		14:57	X																			
ICB 280-126896/14	1		14:58	X																			
LCS 280-126750/1-A	1	T	14:59	X																			
LCSD 280-126750/2-A	1	T	15:00	X																			
MB 280-126750/3-A	1	T	15:02	X																			
280-30184-1	1	T	15:03	X																			
280-30184-1 MS	1	T	15:04	X																			
280-30184-1 MSD	1	T	15:05	X																			
CCV 280-126896/21	1		15:07	X																			
CCB 280-126896/22	1		15:08	X																			
280-30184-2	1	T	15:09	X																			
280-30184-3	1	T	15:10	X																			
ZZZZZZ			15:12																				
ZZZZZZ			15:13																				
280-30184-4	1	T	15:14	X																			
280-30184-5	1	T	15:16	X																			
280-30184-6	1	T	15:17	X																			
280-30184-7	1	T	15:18	X																			
280-30184-8	1	T	15:19	X																			
ZZZZZZ			15:21																				
ZZZZZZ			15:22																				
ZZZZZZ			15:23																				
CCV 280-126896/35	1		15:24	X																			
CCB 280-126896/36	1		15:26	X																			
ZZZZZZ			15:27																				
ZZZZZZ			15:28																				
ZZZZZZ			15:29																				
ZZZZZZ			15:31																				
ZZZZZZ			15:32																				
ZZZZZZ			15:33																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC_Astoria Method: 351.2

Start Date: 07/07/2012 14:42 End Date: 07/07/2012 15:48

Lab Sample ID	D / F	Type	Time	Analytes																			
				TKN																			
ZZZZZZ			15:34																				
ZZZZZZ			15:36																				
ZZZZZZ			15:37																				
ZZZZZZ			15:38																				
ZZZZZZ			15:39																				
ZZZZZZ			15:41																				
ZZZZZZ			15:42																				
ZZZZZZ			15:43																				
CCV 280-126896/51			15:44																				
CCB 280-126896/52			15:46																				
ZZZZZZ			15:47																				
ZZZZZZ			15:48																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC_HACH SPEC Method: 410.4

Start Date: 06/19/2012 12:16 End Date: 06/19/2012 12:16

Lab Sample ID	D / F	Type	Time	Analytes																			
				COD																			
ICV 280-124604/1	1		12:16	X																			
ICB 280-124604/2	1		12:16	X																			
LCS 280-124604/3	1	T	12:16	X																			
LCSD 280-124604/4	1	T	12:16	X																			
MB 280-124604/5	1	T	12:16	X																			
ZZZZZZ			12:16																				
ZZZZZZ			12:16																				
ZZZZZZ			12:16																				
ZZZZZZ			12:16																				
ZZZZZZ			12:16																				
ZZZZZZ			12:16																				
ZZZZZZ			12:16																				
ZZZZZZ			12:16																				
ZZZZZZ			12:16																				
280-30184-1	1	T	12:16	X																			
CCV 280-124604/16	1		12:16	X																			
CCB 280-124604/17	1		12:16	X																			
280-30184-2	1	T	12:16	X																			
280-30184-2 MS	1	T	12:16	X																			
280-30184-2 MSD	1	T	12:16	X																			
280-30184-3	1	T	12:16	X																			
280-30184-4	1	T	12:16	X																			
280-30184-5	1	T	12:16	X																			
280-30184-6	1	T	12:16	X																			
280-30184-7	1	T	12:16	X																			
280-30184-8	1	T	12:16	X																			
CCV 280-124604/27	1		12:16	X																			
CCB 280-124604/28	1		12:16	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2120B

Start Date: 06/20/2012 06:42 End Date: 06/20/2012 06:42

Lab Sample ID	D / F	Type	Time	Analytes																			
				Color																			
MB 280-124723/1	1	T	06:42	X																			
280-30184-1	1	T	06:42	X																			
280-30184-1 DU	1	T	06:42	X																			
280-30184-2	1	T	06:42	X																			
280-30184-3	1	T	06:42	X																			
280-30184-4	1	T	06:42	X																			
280-30184-5	1	T	06:42	X																			
280-30184-6	1	T	06:42	X																			
280-30184-7	1	T	06:42	X																			
280-30184-8	1	T	06:42	X																			
ZZZZZZ			06:42																				
ZZZZZZ			06:42																				
ZZZZZZ			06:42																				
ZZZZZZ			06:42																				
ZZZZZZ			06:42																				
ZZZZZZ			06:42																				
ZZZZZZ			06:42																				
ZZZZZZ			06:42																				
ZZZZZZ			06:42																				
ZZZZZZ			06:42																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2340C

Start Date: 07/06/2012 09:37 End Date: 07/06/2012 09:37

Lab Sample ID	D / F	Type	Time	Analytes																				
				HardCC																				
MB 280-126803/1	1	T	09:37	X																				
LCS 280-126803/2	1	T	09:37	X																				
LCSD 280-126803/3	1	T	09:37	X																				
280-30184-1	1	T	09:37	X																				
280-30184-1 MS	1	T	09:37	X																				
280-30184-1 MSD	1	T	09:37	X																				
280-30184-2	1	T	09:37	X																				
280-30184-3	1	T	09:37	X																				
280-30184-4	1	T	09:37	X																				
280-30184-5	1	T	09:37	X																				
280-30184-6	1	T	09:37	X																				
280-30184-7	1	T	09:37	X																				
280-30184-8	1	T	09:37	X																				
ZZZZZZ			09:37																					
ZZZZZZ			09:37																					
ZZZZZZ			09:37																					
ZZZZZZ			09:37																					
ZZZZZZ			09:37																					
ZZZZZZ			09:37																					
ZZZZZZ			09:37																					
ZZZZZZ			09:37																					
ZZZZZZ			09:37																					
ZZZZZZ			09:37																					
ZZZZZZ			09:37																					

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/19/2012 09:18 End Date: 06/19/2012 23:09

Lab Sample ID	D/F	Type	Time	Analytes																			
				N-No2	NNO32	NO3	Orthop																
ICV 280-124773/1	1		09:18	X		X	X																
ICB 280-124773/2	1		09:42	X		X	X																
MRL 280-124773/3	1	T	09:59	X		X																	
LCS 280-124773/4	1	T	10:16	X		X	X																
LCSD 280-124773/5	1	T	10:33	X		X	X																
MRL 280-124773/6	1	T	10:49				X																
MB 280-124773/7	1	T	11:06	X	X	X	X																
280-30184-1	1	T	11:23	X	X	X	X																
280-30184-1 DU	1	T	11:40	X		X	X																
280-30184-1 MS	1	T	11:57	X		X	X																
280-30184-1 MSD	1	T	12:13	X		X	X																
280-30184-2	1	T	12:30	X	X	X	X																
280-30184-3	1	T	12:47	X	X	X	X																
280-30184-4	1	T	13:04	X	X	X	X																
280-30184-5	1	T	13:21	X	X	X	X																
280-30184-6	1	T	13:37	X	X	X	X																
280-30184-7	1	T	13:54	X	X	X	X																
CCV 280-124773/18	1		14:11	X		X	X																
CCB 280-124773/19	1		14:28	X		X	X																
280-30184-8	1	T	14:45	X	X	X	X																
ZZZZZZ			15:02																				
ZZZZZZ			15:35																				
ZZZZZZ			15:52																				
ZZZZZZ			16:09																				
ZZZZZZ			16:26																				
ZZZZZZ			16:42																				
280-30184-7 DU	1	T	16:59	X		X	X																
ZZZZZZ			17:16																				
CCV 280-124773/29	1		17:33	X		X	X																
CCB 280-124773/30	1		17:50	X		X	X																
ZZZZZZ			18:06																				
ZZZZZZ			18:23																				
ZZZZZZ			18:40																				
ZZZZZZ			18:57																				
ZZZZZZ			19:14																				
ZZZZZZ			19:30																				
ZZZZZZ			19:47																				
ZZZZZZ			20:04																				
ZZZZZZ			20:21																				
ZZZZZZ			20:54																				
CCV 280-124773/41			21:11																				
CCB 280-124773/42			21:28																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/19/2012 09:18 End Date: 06/19/2012 23:09

Lab Sample ID	D / F	Type	Time	Analytes																			
				N-No2	NNO32	NO3	Orthop																
ZZZZZZ			21:45																				
ZZZZZZ			22:02																				
ZZZZZZ			22:18																				
ZZZZZZ			22:35																				
CCV 280-124773/47			22:52																				
CCB 280-124773/48			23:09																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/19/2012 09:18 End Date: 06/19/2012 23:09

Lab Sample ID	D/F	Type	Time	Analytes																			
				Br	Cl-	F	SO4																
ICV 280-124774/1	1		09:18	X	X	X	X																
ICB 280-124774/2	1		09:42	X	X	X	X																
MRL 280-124774/3	1	T	09:59	X	X	X	X																
LCS 280-124774/4	1	T	10:16	X	X	X	X																
LCSD 280-124774/5	1	T	10:33	X	X	X	X																
ZZZZZZ			10:49																				
MB 280-124774/7	1	T	11:06	X	X	X	X																
280-30184-1	1	T	11:23	X	X	X	X																
280-30184-1 DU	1	T	11:40	X	X	X	X																
280-30184-1 MS	1	T	11:57	X	X	X	X																
280-30184-1 MSD	1	T	12:13	X	X	X	X																
280-30184-2	1	T	12:30	X		X	X																
280-30184-3	1	T	12:47	X		X	X																
280-30184-4	1	T	13:04	X		X	X																
280-30184-5	1	T	13:21	X	X	X	X																
280-30184-6	1	T	13:37	X	X	X	X																
280-30184-7	1	T	13:54	X	X	X	X																
CCV 280-124774/18	1		14:11	X	X	X	X																
CCB 280-124774/19	1		14:28	X	X	X	X																
280-30184-8	1	T	14:45	X	X	X	X																
ZZZZZZ			15:02																				
ZZZZZZ			15:35																				
ZZZZZZ			15:52																				
ZZZZZZ			16:09																				
ZZZZZZ			16:26																				
ZZZZZZ			16:42																				
280-30184-7 DU	1	T	16:59	X	X	X	X																
ZZZZZZ			17:16																				
CCV 280-124774/29	1		17:33	X	X	X	X																
CCB 280-124774/30	1		17:50	X	X	X	X																
280-30184-2	5	T	18:06		X																		
280-30184-3	5	T	18:23		X																		
280-30184-4	5	T	18:40		X																		
ZZZZZZ			18:57																				
ZZZZZZ			19:14																				
ZZZZZZ			19:30																				
ZZZZZZ			19:47																				
ZZZZZZ			20:04																				
ZZZZZZ			20:21																				
ZZZZZZ			20:54																				
CCV 280-124774/41	1		21:11	X	X	X	X																
CCB 280-124774/42	1		21:28	X	X	X	X																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/19/2012 09:18 End Date: 06/19/2012 23:09

Lab Sample ID	D / F	Type	Time	Analytes																			
				Br	Cl-	F	SO4																
ZZZZZZ			21:45																				
ZZZZZZ			22:02																				
ZZZZZZ			22:18																				
ZZZZZZ			22:35																				
CCV 280-124774/47			22:52																				
CCB 280-124774/48			23:09																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060A

Start Date: 07/10/2012 20:07 End Date: 07/11/2012 13:23

Lab Sample ID	D / F	Type	Time	Analytes																				
				TOCQ																				
ICV 280-127341/1	1		20:07	X																				
ICB 280-127341/2	1		20:25	X																				
ZZZZZZ			20:43																					
ZZZZZZ			21:02																					
ZZZZZZ			21:21																					
ZZZZZZ			21:35																					
ZZZZZZ			21:51																					
ZZZZZZ			22:06																					
ZZZZZZ			22:22																					
ZZZZZZ			22:38																					
ZZZZZZ			22:54																					
ZZZZZZ			23:13																					
ZZZZZZ			23:30																					
ZZZZZZ			23:45																					
ZZZZZZ			00:01																					
CCV 280-127341/16			00:18																					
CCB 280-127341/17			00:37																					
ZZZZZZ			00:51																					
ZZZZZZ			01:08																					
ZZZZZZ			01:25																					
ZZZZZZ			01:43																					
ZZZZZZ			02:02																					
ZZZZZZ			02:19																					
ZZZZZZ			02:34																					
ZZZZZZ			02:49																					
ZZZZZZ			03:05																					
ZZZZZZ			03:23																					
CCV 280-127341/28			03:41																					
CCB 280-127341/29			04:00																					
ZZZZZZ			04:18																					
ZZZZZZ			04:34																					
ZZZZZZ			04:51																					
ZZZZZZ			05:09																					
ZZZZZZ			05:25																					
ZZZZZZ			05:43																					
ZZZZZZ			06:02																					
ZZZZZZ			06:20																					
ZZZZZZ			06:37																					
ZZZZZZ			06:56																					
CCV 280-127341/40	1		07:12	X																				
CCB 280-127341/41	1		07:32	X																				
ZZZZZZ			07:50																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060A

Start Date: 07/10/2012 20:07 End Date: 07/11/2012 13:23

Lab Sample ID	D / F	Type	Time	Analytes																				
				TOCQ																				
ZZZZZZ			08:05																					
ZZZZZZ			08:22																					
LCS 280-127341/45	1	T	08:40	X																				
LCSD 280-127341/46	1	T	08:58	X																				
MB 280-127341/47	1	T	09:18	X																				
280-30184-1	1	T	09:36	X																				
280-30184-1 MS	1	T	09:52	X																				
280-30184-1 MSD	1	T	10:10	X																				
280-30184-2	1	T	10:29	X																				
CCV 280-127341/52	1		10:45	X																				
CCB 280-127341/53	1		11:03	X																				
280-30184-3	1	T	11:22	X																				
280-30184-4	1	T	11:39	X																				
280-30184-5	1	T	11:56	X																				
280-30184-6	1	T	12:13	X																				
280-30184-7	1	T	12:30	X																				
280-30184-8	1	T	12:47	X																				
CCV 280-127341/60	1		13:03	X																				
CCB 280-127341/61	1		13:23	X																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC-AT3 Method: SM 2320B

Start Date: 06/22/2012 11:01 End Date: 06/22/2012 16:52

Lab Sample ID	D / F	Type	Time	Analytes																				
				Alk																				
RINSE 280-125300/1			11:01																					
ZZZZZZ			11:07																					
ZZZZZZ			11:12																					
ZZZZZZ			11:18																					
ZZZZZZ			11:23																					
ZZZZZZ			11:27																					
ZZZZZZ			11:35																					
ZZZZZZ			11:40																					
ZZZZZZ			11:45																					
ZZZZZZ			11:50																					
ZZZZZZ			11:57																					
ZZZZZZ			12:03																					
ZZZZZZ			12:08																					
ZZZZZZ			12:12																					
ZZZZZZ			12:17																					
ZZZZZZ			12:21																					
CCV 280-125300/17			12:27																					
CCB 280-125300/18			12:31																					
ZZZZZZ			12:36																					
ZZZZZZ			12:40																					
ZZZZZZ			12:44																					
ZZZZZZ			12:49																					
ZZZZZZ			12:54																					
ZZZZZZ			12:59																					
ZZZZZZ			13:04																					
ZZZZZZ			13:08																					
ZZZZZZ			13:14																					
ZZZZZZ			13:19																					
CCV 280-125300/29	1		13:24	X																				
CCB 280-125300/30	1		13:28	X																				
LCS 280-125300/31	1	T	13:33	X																				
LCSD 280-125300/32	1	T	13:38	X																				
MB 280-125300/33	1	T	13:42	X																				
ZZZZZZ			13:47																					
ZZZZZZ			13:53																					
ZZZZZZ			13:58																					
ZZZZZZ			14:03																					
ZZZZZZ			14:08																					
ZZZZZZ			14:13																					
ZZZZZZ			14:18																					
CCV 280-125300/41	1		14:23	X																				
CCB 280-125300/42	1		14:27	X																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: WC-AT3 Method: SM 2320B

Start Date: 06/22/2012 11:01 End Date: 06/22/2012 16:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				Alk																			
ZZZZZZ			14:32																				
ZZZZZZ			14:37																				
ZZZZZZ			14:42																				
ZZZZZZ			14:48																				
ZZZZZZ			14:53																				
ZZZZZZ			14:58																				
ZZZZZZ			15:03																				
ZZZZZZ			15:08																				
ZZZZZZ			15:14																				
ZZZZZZ			15:19																				
CCV 280-125300/53	1		15:24	X																			
CCB 280-125300/54	1		15:28	X																			
ZZZZZZ			15:33																				
ZZZZZZ			15:37																				
280-30184-1	1	T	15:43	X																			
280-30184-2	1	T	15:48	X																			
CCV 280-125300/59	1		15:53	X																			
CCB 280-125300/60	1		15:57	X																			
LCS 280-125300/61	1	T	16:02	X																			
LCSD 280-125300/62	1	T	16:07	X																			
MB 280-125300/63	1	T	16:11	X																			
280-30184-3	1	T	16:15	X																			
280-30184-3 DU	1	T	16:20	X																			
280-30184-4	1	T	16:26	X																			
280-30184-5	1	T	16:30	X																			
280-30184-6	1	T	16:35	X																			
280-30184-7	1	T	16:40	X																			
280-30184-8	1	T	16:43	X																			
CCV 280-125300/71	1		16:48	X																			
CCB 280-125300/72	1		16:52	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2540C

Start Date: 06/25/2012 07:14 End Date: 06/25/2012 07:14

Lab Sample ID	D / F	Type	Time	Analytes																				
				TDS																				
MB 280-125370/1	1	T	07:14	X																				
LCS 280-125370/2	1	T	07:14	X																				
LCSD 280-125370/3	1	T	07:14	X																				
ZZZZZZ			07:14																					
ZZZZZZ			07:14																					
ZZZZZZ			07:14																					
280-30184-1	1	T	07:14	X																				
280-30184-2	1	T	07:14	X																				
280-30184-3	1	T	07:14	X																				
280-30184-4	1	T	07:14	X																				
280-30184-5	1	T	07:14	X																				
280-30184-6	1	T	07:14	X																				
280-30184-7	1	T	07:14	X																				
280-30184-8	1	T	07:14	X																				
ZZZZZZ			07:14																					
ZZZZZZ			07:14																					
ZZZZZZ			07:14																					
ZZZZZZ			07:14																					
ZZZZZZ			07:14																					
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ZZZZZZ			07:14																					
ZZZZZZ			07:14																					
ZZZZZZ			07:14																					
ZZZZZZ			07:14																					

Prep Types
T = Total/NA

Peak Table:Ammonia

File name: C:\FLOW_4\0629NXNX.RST
Date: 29-Jun-12
Operator: BQW

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
1	107	SYNC	1	SYNC	1	1	1911442	10052.896484	HI
2	0	Carryover	1	CO	1	1	3256	40.742893	
3	0	Carryover	2	CO	1	1	759	27.964708	
B	0	read baseline	1	RB	1	1	0	24.078533	BL
5	101	Cal 0.00 ppb	1	C	1	1	471	26.490704	
6	102	Cal 50.0 ppb	1	C	1	1	8561	67.899651	
7	103	Cal 100 ppb	1	C	1	1	13214	91.723763	
8	104	Cal 500 ppb	1	C	1	1	91958	495.316559	
9	105	Cal 1000 ppb	1	C	1	1	181720	956.398499	
10	106	Cal 5000 ppb	1	C	1	1	963096	5015.820801	
11	107	Cal 10000 ppb	1	C	1	1	1900919	9996.338867	
12	0	blk	1	BLNK	1	1	-496	21.540592	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
14	108	5000 PPB NO2	1	U	1	1	6024	54.916245	
15	109	ICV 2000 PPB	1	CCV	1	1	368172	1917.607666	
16	110	ICV 5000 PPB	1	CCV	1	1	947549	4934.253906	
17	0	ICB	1	U	1	1	146	24.825348	
18	111	MRL	1	U	1	1	12586	88.506195	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
20	113	MB	1	U	1	1	-150	23.309473	
21	106	LCS	1	U	1	1	967578	5039.347656	
22	106	LCSD	1	U	1	1	966555	5033.974121	
23	114	280-30531-a-1	1	U	1	1	129026	685.593872	
24	115	280-30531-a-1 MS	1	U	1	1	291844	1523.551147	
25	116	280-30531-a-1 MSD	1	U	1	1	293694	1533.094849	
26	117	280-30531-a-2	1	U	1	1	14971	100.720558	
27	118	280-30454-f-1	1	U	1	1	11396	82.418137	
28	119	280-30454-c-2	1	U	1	1	14081	96.161209	
29	120	280-30454-f-3	1	U	1	1	13002	90.640091	
B	0	read baseline	1	RB	1	1	0	24.078533	BL
31	0	rinse	1	U	1	1	-217	22.966515	
32	106	5000 PPB CCV	1	CCV	1	1	954488	4970.656250	
33	105	CCV 1000PPB	1	CCV	1	1	181275	954.108582	
34	0	CCB	1	U	1	1	1249	30.473156	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
36	121	280-30498-c-1	1	U	1	1	30750	181.532593	
37	122	280-30503-e-1	1	U	1	1	33314	194.663406	
38	123	280-30458-f-1	1	U	1	1	225395	1181.137207	
39	124	280-30460-e-1	1	U	1	1	18954	121.116936	
40	125	280-30460-e-1 MS	1	U	1	1	296615	1548.159546	
41	126	280-30460-e-1 MSD	1	U	1	1	297432	1552.375610	
42	127	280-30460-f-2	1	U	1	1	24754	150.820282	
43	128	280-30460-f-3	1	U	1	1	3497	41.980606	
44	129	280-30460-e-4	1	U	1	1	7594	62.950363	
45	130	280-30460-e-5	1	U	1	1	9348	71.929512	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
47	0	RINSE	1	U	1	1	-5	24.050512	
48	106	5000 PPB CCV	1	CCV	1	1	953751	4966.788086	
49	105	CCV 1000PPB	1	CCV	1	1	181189	953.669373	
50	0	CCB	1	U	1	1	654	27.427065	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
52	131	280-30499-b-1	1	U	1	1	15437	103.103661	
53	132	280-30499-b-2	1	U	1	1	23358	143.671066	
54	133	280-30499-b-3	1	U	1	1	71914	392.507263	
55	134	280-30499-b-4	1	U	1	1	16512	108.610374	
56	135	280-30499-b-6	1	U	1	1	17133	111.787941	
57	136	280-30499-b-7	1	U	1	1	34678	201.650482	
58	137	280-30184-d-1	1	U	1	1	38373	220.584106	
59	138	MB	1	U	1	1	-1015	18.881865	
60	106	LCS	1	U	1	1	955806	4977.570801	
61	106	LCSD	1	U	1	1	953470	4965.316406	
B	0	RB	1	RB	1	1	0	24.078533	BL
63	0	RINSE	1	U	1	1	-1700	15.375349	
64	106	5000 PPB CCV	1	CCV	1	1	957503	4986.476074	
65	105	CCV 1000PPB	1	CCV	1	1	180309	949.141602	
66	0	CCB	1	U	1	1	468	26.475460	
B	0	RB	1	RB	1	1	0	24.078533	BL
68	139	280-30184-d-1 MS	1	U	1	1	336801	1755.555054	
69	140	280-30184-d-1 MSD	1	U	1	1	323265	1685.672241	
70	141	280-30184-d-2	1	U	1	1	14105	96.286263	

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
71	142	280-30184-d-3	1	U	1	1	14552	98.573891	
72	143	280-30184-d-4	1	U	1	1	17113	111.687317	
73	144	280-30184-d-5	1	U	1	1	18424	118.399963	
74	145	280-30184-d-6	1	U	1	1	17381	113.060272	
75	146	280-30184-d-7	1	U	1	1	32349	189.723877	
76	147	280-30184-d-8	1	U	1	1	14492	98.268341	
77	148	MB	1	U	1	1	546	26.875027	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
79	0	RINSE	1	U	1	1	-122	23.456425	
80	106	5000 PPB CCV	1	CCV	1	1	943696	4914.040527	
81	105	CCV 1000PPB	1	CCV	1	1	182765	961.773376	
82	0	CCB	1	U	1	1	1122	29.820841	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
84	106	LCS	1	U	1	1	949423	4944.083008	
85	106	LCSD	1	U	1	1	965186	5026.793945	
86	149	280-30380-c-6	1	U	1	1	114836	612.732666	
87	150	280-30348-b-1	1	U	1	1	28482	169.913895	
88	151	280-30348-b-5	1	U	100	1	396	2610.377686	
89	152	280-30348-b-6X	1	U	10	1	2713	379.628174	
90	153	280-30348-b-6 MSX	1	U	10	1	758009	39424.101562	
91	154	280-30348-b-6 MSDX	1	U	10	1	748994	38953.566406	
92	155	280-30423-a-1	1	U	1	1	1193207	6226.936523	
93	156	280-30446-b-1	1	U	1	1	3190245	17036.496094	HI
B	0	0	1	RB	1	1	0	24.078533	BL
95	0	RINSE	1	U	1	1	-2694	10.288259	
96	106	5000 PPB CCV	1	CCV	1	1	950433	4949.380371	
97	105	CCV 1000PPB	1	CCV	1	1	188617	991.871216	
98	0	CCB	1	U	1	1	-494	21.547787	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
100	157	280-30446-c-2	1	U	10	1	9341	718.945007	
101	158	280-30446-c-3	1	U	10	1	8298	665.531982	
102	159	280-30446-c-4	1	U	10	1	9697	737.168945	
103	160	280-30517-a-1	1	U	1	1	323064	1684.635254	
104	201	280-30517-a-1 MS	1	U	1	1	422577	2198.956543	
105	202	280-30517-a-1 MSD	1	U	1	1	426935	2221.514648	
106	203	280-30522-h-1	1	U	1	1	242356	1268.480591	
107	204	280-30290-a-3	1	U	1	1	5773	53.629864	
108	205	280-30290-a-9	1	U	1	1	7552	62.735561	
109	206	280-30290-a-12	1	U	1	1	8186	65.981606	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
111	0	RINSE	1	U	1	1	41	24.287193	
112	106	5000 PPB CCV	1	CCV	1	1	944326	4917.346191	
113	105	CCV 1000PPB	1	CCV	1	1	188371	990.603577	
114	0	CCB	1	U	1	1	618	27.240921	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
116	0	RINSE	1	U	1	1	-357	22.250959	
117	207	MB	1	U	1	1	1593	32.233814	
118	106	LCS	1	U	1	1	951937	4957.270996	
119	106	LCSD	1	U	1	1	953927	4967.710938	
120	208	280-30290-a-17	1	U	1	1	17544	113.893059	
121	209	280-30290-a-21	1	U	1	1	25933	156.856384	
122	210	280-30290-a-25	1	U	1	1	4462	46.919022	
123	211	280-30505-a-1	1	U	1	1	4727	48.272690	
124	212	280-30505-a-2	1	U	1	1	14533	98.479347	
125	213	280-30505-a-3	1	U	1	1	47308	266.366119	
126	214	280-30505-a-4	1	U	1	1	94648	509.118011	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
128	0	RINSE	1	U	1	1	-53	23.804935	
129	106	5000 PPB CCV	1	CCV	1	1	945055	4921.169922	
130	105	CCV 1000PPB	1	CCV	1	1	189417	995.984985	
131	0	CCB	1	U	1	1	113	24.656494	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
133	0	RINSE	1	U	1	1	-383	22.118017	
134	215	280-30505-a-5X	1	U	1	1	31955	187.701050	
135	216	280-30505-a-6X	1	U	1	1	765364	3980.810303	
136	217	280-30505-a-7X	1	U	1	1	-89	23.622688	
137	218	280-30505-a-7 MSX	1	U	1	1	497210	2585.566162	
138	219	280-30505-a-7 MSDX	1	U	1	1	496802	2583.447754	
139	220	280-30338-A-3X	1	U	1	1	291054	1519.474487	
140	221	280-30338-a-3 MSX	1	U	1	1	549868	2858.792969	
141	222	280-30338-a-3 MSDX	1	U	1	1	554762	2884.201660	
142	223	280-30338-a-8X	1	U	1	1	9823	74.359894	
143	224	280-30338-a-12X	1	U	1	1	37382	215.503799	
B	0	READ	1	RB	1	1	0	24.078533	BL
145	0	RINSE	1	U	1	1	104	24.608953	

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
146	106	5000 PPB CCV	1	CCV	1	1	953087	4963.306152	
147	105	CCV 1000PPB	1	CCV	1	1	190609	1002.117737	
148	0	CCB	1	U	1	1	647	27.387787	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
150	0	RINSE	1	U	1	1	-296	22.564720	
151	215	280-30505-a-5	1	U	1	1	32954	192.820541	
152	216	280-30505-a-6	1	U	1	1	766010	3984.179199	
153	217	280-30505-a-7	1	U	1	1	1038	29.392902	
154	218	280-30505-a-7 MS	1	U	1	1	513103	2667.991943	
155	219	280-30505-a-7 MSD	1	U	1	1	500111	2600.609131	
156	220	280-30338-A-3	1	U	1	1	297372	1552.064087	
157	221	280-30338-a-3 MS	1	U	1	1	548405	2851.195801	
158	222	280-30338-a-3 MSD	1	U	1	1	561259	2917.944824	
159	223	280-30338-a-8	1	U	1	1	2128	34.970814	
160	224	280-30338-a-12	1	U	1	1	38990	223.742065	
B	0	READ	1	RB	1	1	0	24.078533	BL
162	0	RINSE	1	U	1	1	-159	23.265192	
163	106	5000 PPB CCV	1	CCV	1	1	947612	4934.583496	
164	105	CCV 1000PPB	1	CCV	1	1	189773	997.814209	
165	0	CCB	1	U	1	1	462	26.442410	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
167	0	RINSE	1	U	1	1	-320	22.438448	
168	225	280-30338-a-16	1	U	1	1	16881	110.499252	
169	226	280-30338-a-22	1	U	1	1	8836	69.311165	
170	227	280-30338-a-28	1	U	1	1	14441	98.007240	
171	228	280-30338-a-32	1	U	1	1	16106	106.529533	
172	229	280-30338-a-37	1	U	1	1	14718	99.422653	
173	230	mb 280-125911/1-aX	1	U	1	1	9133	70.828835	
174	231	lcs 280-125911/2-a	1	U	1	1	946419	4928.326660	
175	232	lcsd 280-125911/3-a	1	U	1	1	961109	5005.394531	
176	233	280-30059-a-11-c	1	U	10	1	494567	25718.642578	
177	234	280-30059-a-12-c	1	U	10	1	437581	22766.228516	
B	0	READ	1	RB	1	1	0	24.078533	BL
179	0	RINSE	1	U	1	1	-640	20.801449	
180	106	5000 PPB CCV	1	CCV	1	1	949993	4947.072754	
181	105	CCV 1000PPB	1	CCV	1	1	189779	997.847900	
182	0	CCB	1	U	1	1	844	28.399834	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
184	0	RINSE	1	U	1	1	-493	21.553160	
185	236	280-30059-b-13-g	1	U	10	1	427961	22268.257812	
186	237	280-30059-b-13-h ms	1	U	10	1	605020	31453.542969	
187	238	280-30059-b-13-i msd	1	U	10	1	458110	23829.316406	
188	239	280-30059-a-14-c	1	U	10	1	441665	22977.648438	
189	240	280-30060-a-1-c	1	U	10	1	472276	24563.224609	
190	241	280-30060-a-2-c	1	U	10	1	153338	8104.921875	
191	242	280-30060-a-3-c	1	U	10	1	265834	13894.498047	
192	243	280-30060-a-4-c	1	U	10	1	67682	3708.035156	
193	244	280-30060-a-5-c	1	U	10	1	533854	27756.605469	
194	245	280-30060-a-6-c	1	U	10	1	816614	42485.671875	
B	0	READ	1	RB	1	1	0	24.078533	BL
196	0	RINSE	1	U	1	1	-823	19.866596	
197	106	5000 PPB CCV	1	CCV	1	1	945855	4925.365723	
198	105	CCV 1000PPB	1	CCV	1	1	189644	997.151001	
199	0	CCB	1	U	1	1	578	27.036142	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
201	0	RINSE	1	U	1	1	-1222	17.825256	
202	246	280-30060-a-7-c	1	U	10	1	212021	11122.888672	
203	247	280-30060-a-8-c	1	U	10	1	288833	15080.220703	
204	248	280-30060-a-9-c	1	U	10	1	121697	6479.587402	
205	249	280-30060-a-10-c	1	U	10	1	281534	14703.837891	
206	250	280-30060-a-11-d	1	U	10	1	121805	6485.127930	
207	251	280-30060-a-11-e ms	1	U	10	1	257997	13490.610352	
208	252	280-30060-a-11-f msd	1	U	10	1	276533	14446.013672	
209	253	280-30060-a-12-c	1	U	10	1	863316	44928.726562	
210	254	280-30483-a-1-b	1	U	10	1	4186260	226279.937500	HI
211	255	RINSE	1	U	1	1	45999	259.656860	FL
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
213	0	RINSE	1	U	1	1	-3946	3.884556	
214	106	5000 PPB CCV	1	CCV	1	1	960891	5004.254395	
215	105	CCV 1000PPB	1	CCV	1	1	189162	994.674805	
216	0	CCB	1	U	1	1	-1045	18.732065	
B	0	READ BASELINE	1	RB	1	1	0	24.078535	BL
218	0	RINSE	1	U	1	1	-535	21.341080	
219	256	mb 280-126096/1-aX	1	U	1	1	5726	53.390415	
220	257	lcs 280-126096/2-a	1	U	1	1	987600	5144.455566	

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
221	258	lcsd 280-126096/3-a	1	U	1	1	1011381	5269.367676	
222	259	580-33597-d-1-d	1	U	1	1	4139785	22364.123047	HI
223	260	580-33597-d-2-b	1	U	1	1	4200250	22707.472656	HI
224	301	580-33597-d-3-b	1	U	1	1	4239544	22930.876953	HI
225	302	280-30525-a-4-a	1	U	1	1	1054605	5496.601562	FL
226	303	280-30348-B-6	1	U	1	1	40701	232.511963	
227	304	280-30348-B-6 MS	1	U	1	1	337988	1761.681519	
228	305	280-30348-B-6 MSD	1	U	1	1	339936	1771.739990	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
230	0	RINSE	1	U	1	1	-600	21.006123	
231	106	5000 PPB CCV	1	CCV	1	1	950427	4949.351074	
232	105	CCV 1000PPB	1	CCV	1	1	187958	988.481567	
233	0	CCB	1	U	1	1	354	25.892839	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
235	306	280-30060-a-2-c	1	U	1	1	153208	809.823364	
236	307	280-30060-a-4-c	1	U	1	1	200097	1050.927734	
237	308	280-30060-a-9-c	1	U	1	1	569601	2961.272461	
238	309	280-30060-a-11-d	1	U	1	1	924902	4815.488770	
239	310	280-30060-a-11-e ms	1	U	1	1	2063661	10872.650391	HI
240	311	280-30060-a-11-f msd	1	U	1	1	1783103	9364.163086	FL
241	312	280-30483-a-1-bX	1	U	20	1	3083556	328909.250000	HI
242	313	280-30059-b-13-i msd	1	U	10	1	633282	32923.625000	FL
243	314	mb 280-125911/1-a	1	U	1	1	1345	30.960567	
244	315	mb 280-126096/1-a	1	U	1	1	3114	40.015125	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
246	0	RINSE	1	U	1	1	-701	20.490263	
247	106	5000 PPB CCV	1	CCV	1	1	959329	4996.056641	
248	105	CCV 1000PPB	1	CCV	1	1	189076	994.232910	
249	0	CCB	1	U	1	1	826	28.307411	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
251	316	580-33597-d-1-d	1	U	1	1	3035986	16182.428711	HI
252	317	580-33597-d-2-b	1	U	1	1	2724017	14464.951172	HI
253	318	580-33597-d-3-b	1	U	1	1	3482686	18664.396484	HI
254	319	280-30525-a-4-a	1	U	1	1	990645	5160.445801	FL
255	320	RINSE	1	U	1	1	282	25.522549	
256	321	280-30483-a-1-b	1	U	50	1	1157740	301990.156250	
257	322	580-33597-d-1-d	1	U	50	1	594886	154633.546875	
258	323	580-33597-d-2-b	1	U	50	1	516157	134191.546875	
259	324	580-33597-d-3-b	1	U	50	1	707044	183826.875000	
260	325	280-30525-a-4-a	1	U	1	1	984574	5128.566406	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL
262	0	RINSE	1	U	1	1	-248	22.810869	
263	106	5000 PPB CCV	1	CCV	1	1	967567	5039.285156	
264	105	CCV 1000PPB	1	CCV	1	1	185147	974.020447	
265	0	CCB	1	U	1	1	638	27.343206	
B	0	READ BASELINE	1	RB	1	1	0	24.078533	BL

Ammonia:Calibration 1: Peak 5-266

File name: C:\FLOW_4\0629NXNX.RST
Date: 29-Jun-12
Operator: BQW

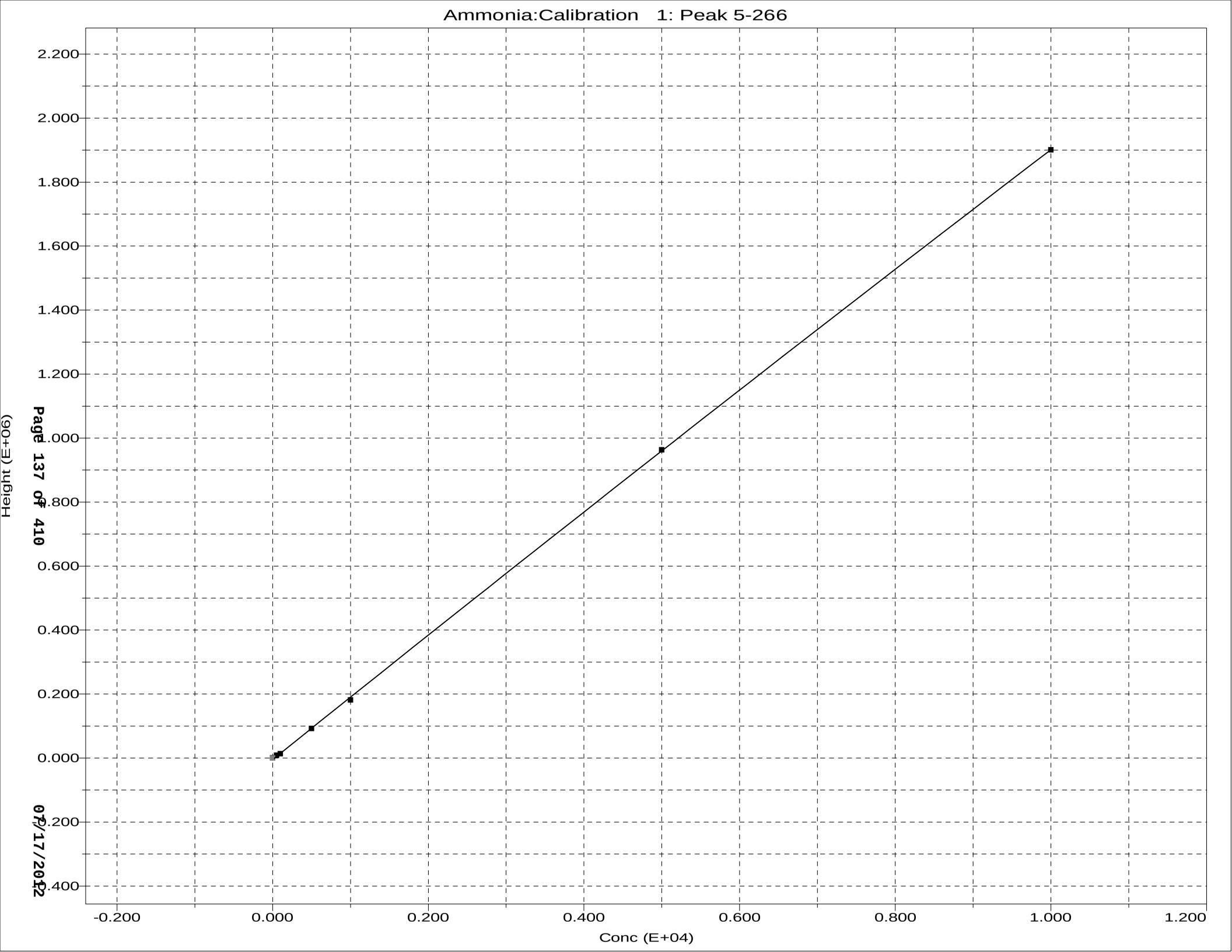
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*	Cal 0.00 ppb	0.000000	471.278687
*	Cal 50.0 ppb	50.000000	8560.660156
*	Cal 100 ppb	100.000000	13214.004883
*	Cal 500 ppb	500.000000	91957.906250
*	Cal 1000 ppb	1000.000000	181720.125000
*	Cal 5000 ppb	5000.000000	963095.500000
*	Cal 10000 ppb	10000.000000	1900919.000000

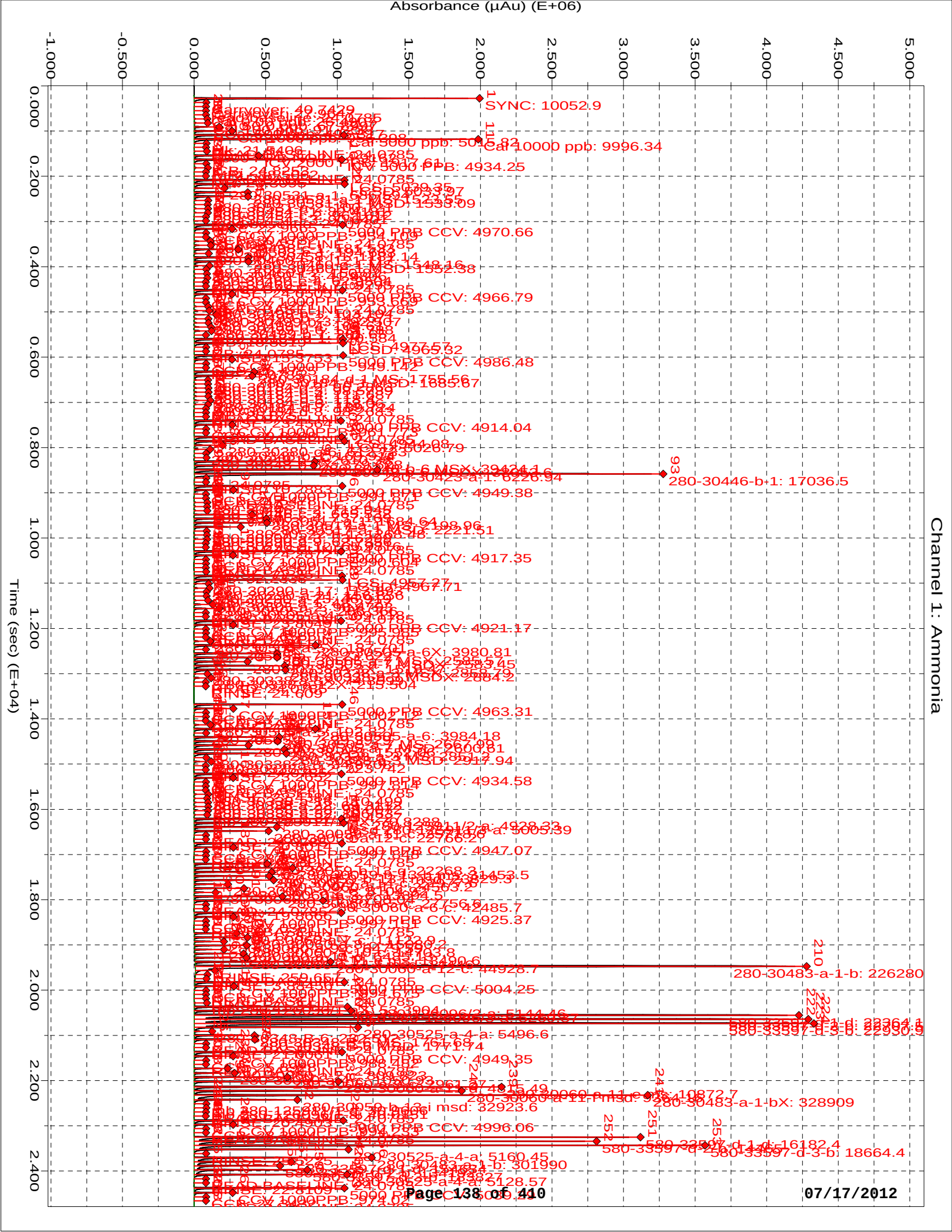
Calib Coef:
x=cyy+by+a
a: (intercept) 2.4079e+01
b: 5.1183e-03
c: 6.7179e-11

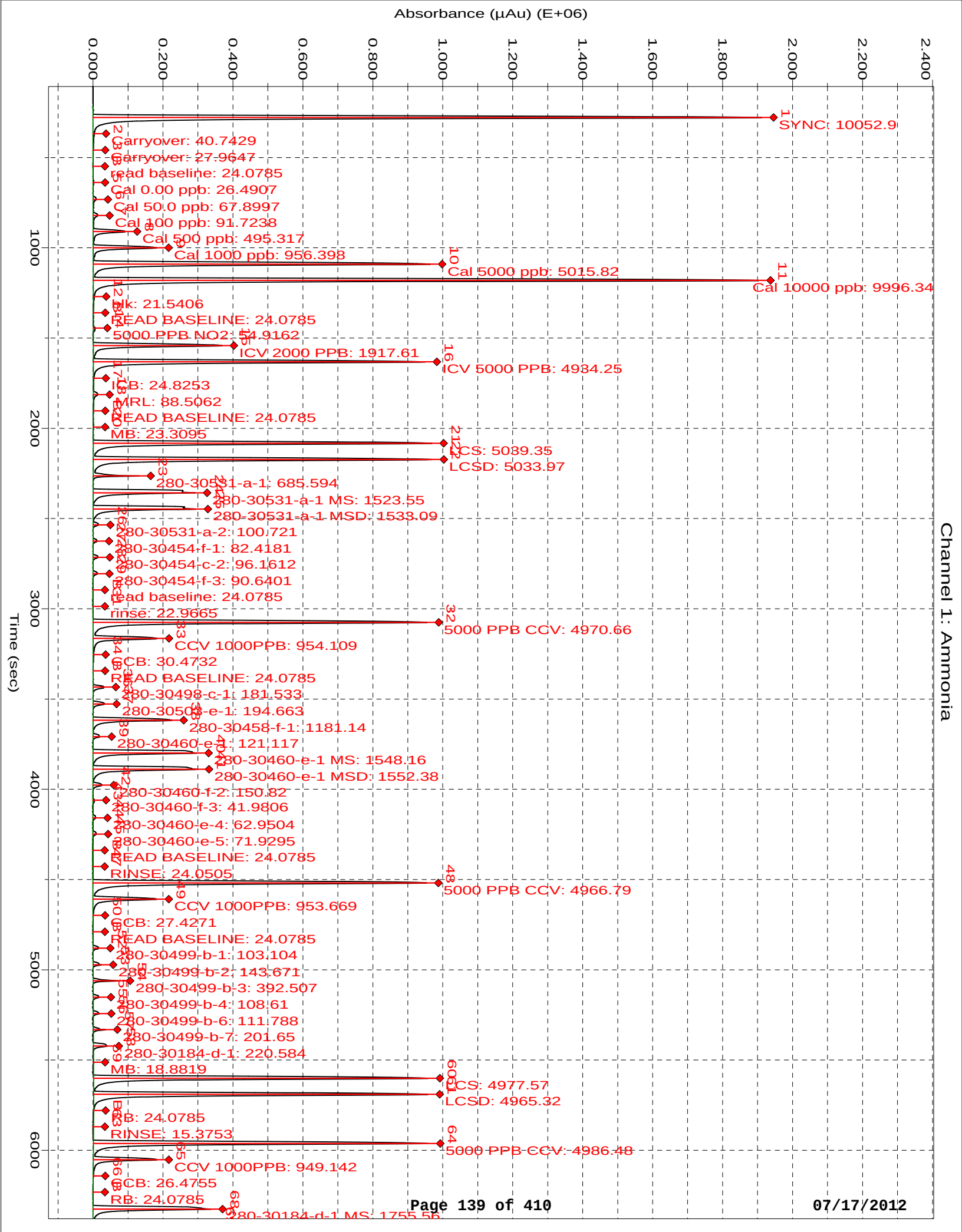
Corr Coef: 0.999981

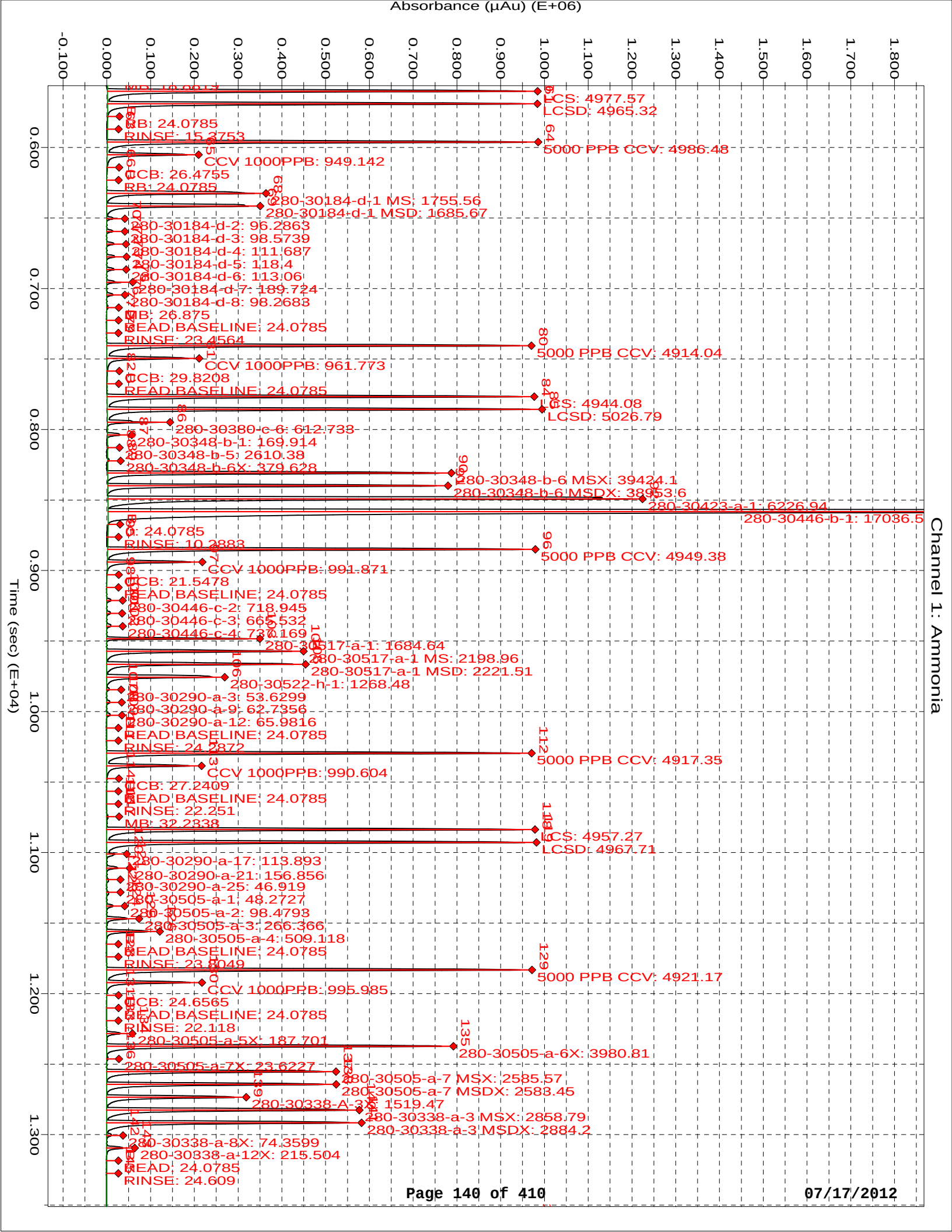
Carryover: 0.17%

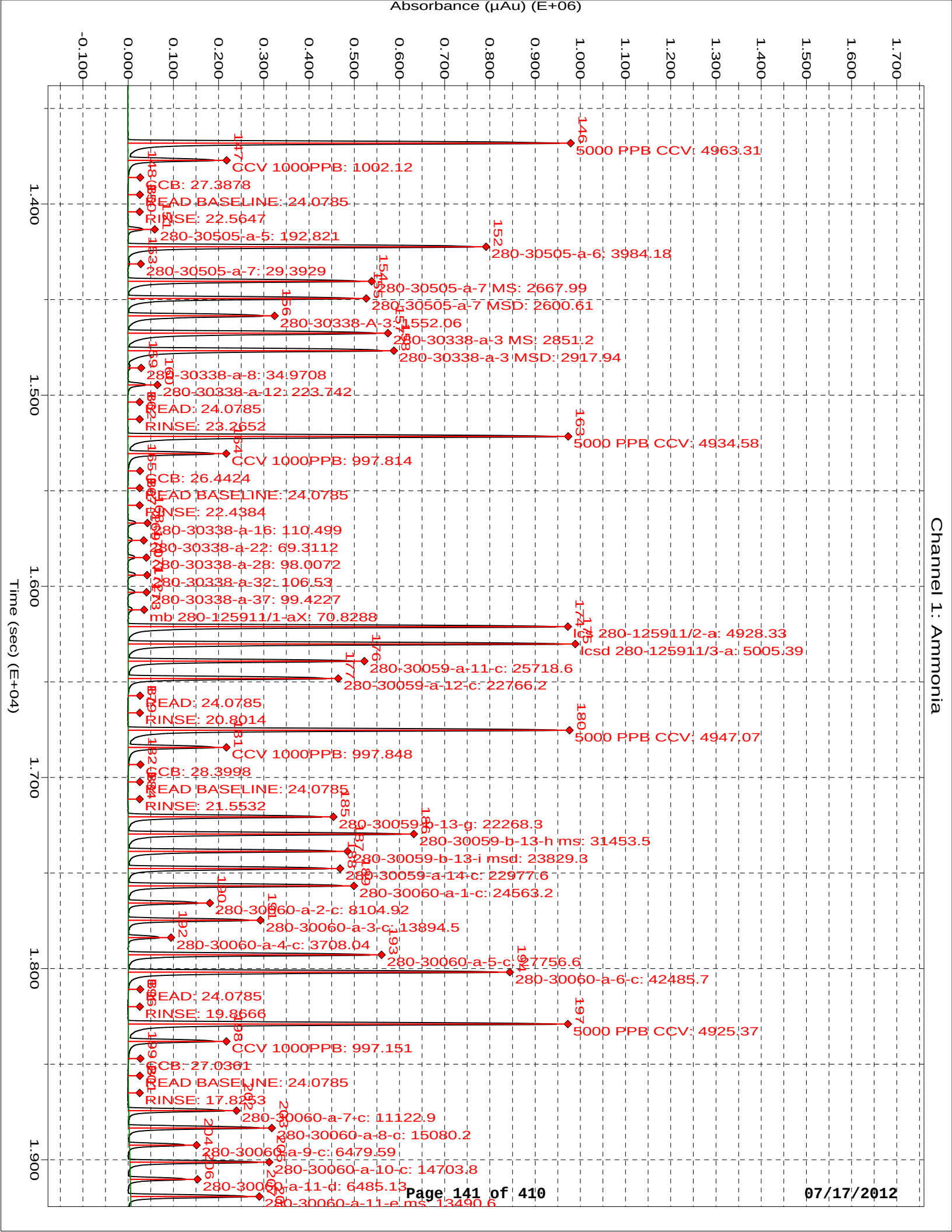
No Drift Peaks

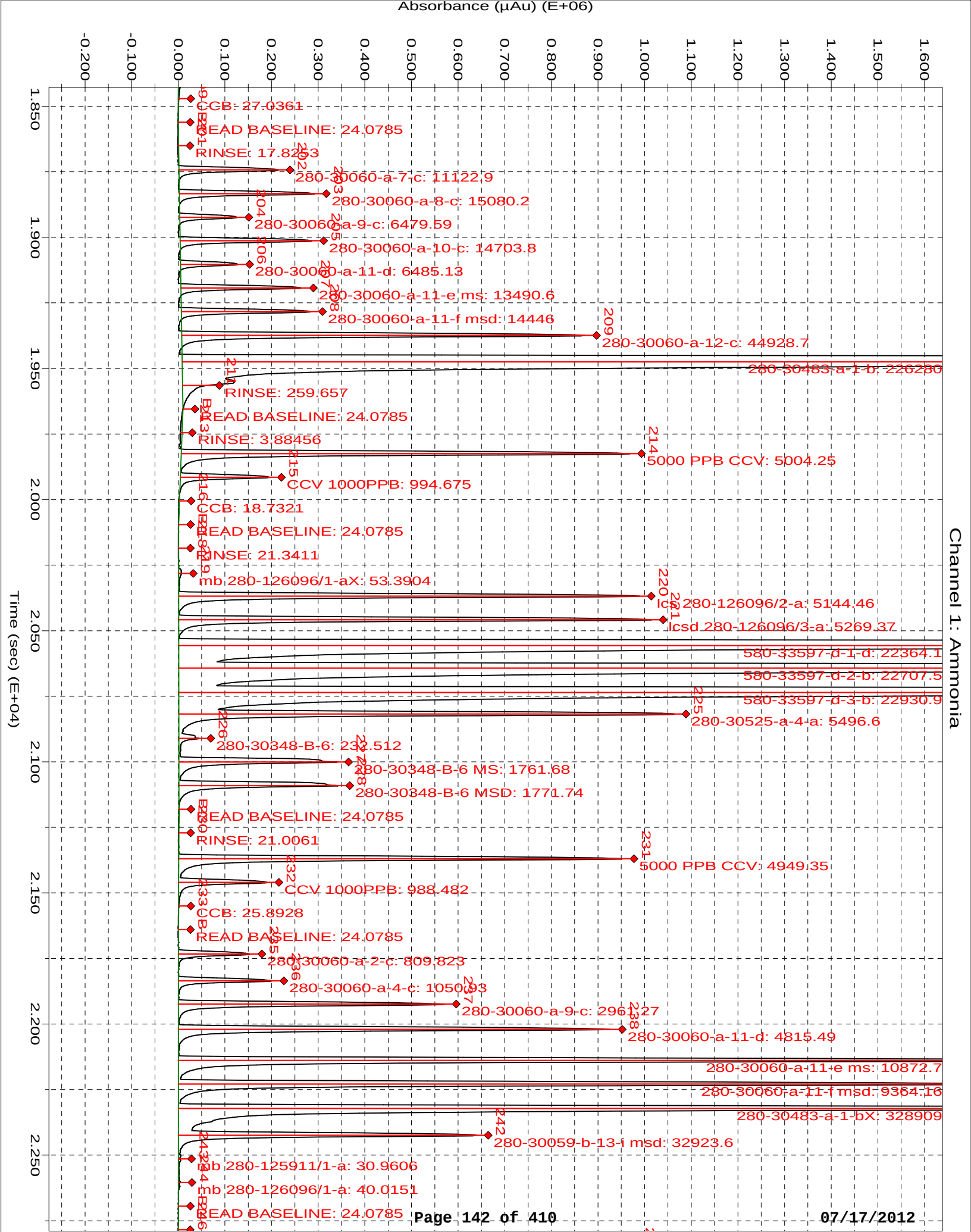

Ammonia:Calibration 1: Peak 5-266
Height (E+06)
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
-0.200
0.000
0.200
0.400
0.600
0.800
1.000
1.200
Conc (E+04)

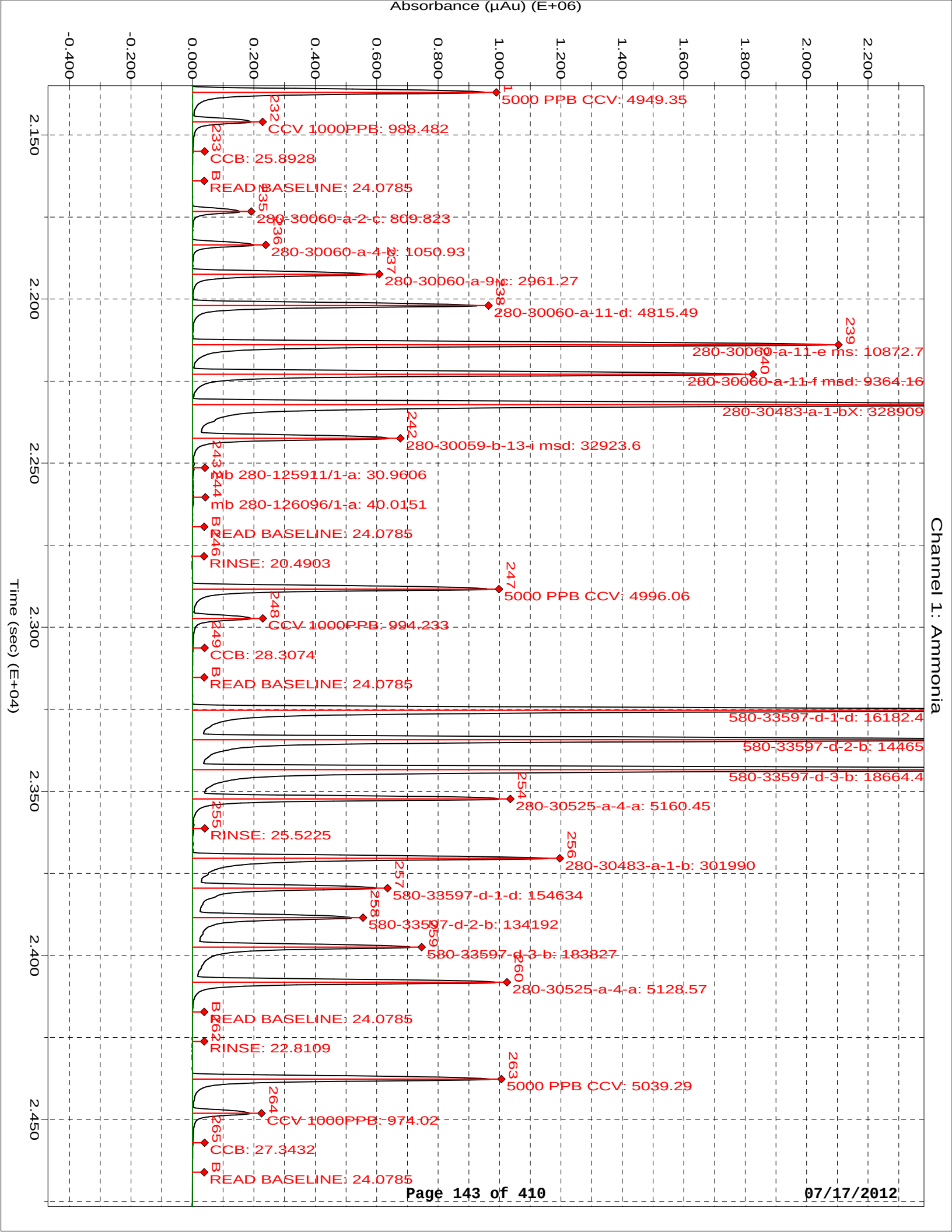

Absorbance (µAu) (E+06)
-1.000
-0.500
0.000
0.500
1.000
1.500
2.000
2.500
3.000
3.500
4.000
4.500
5.000
Time (sec) (E+04)
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
2.200
2.400
Channel 1: Ammonia
SYNC: 10052.9
Cal 5000 ppb: 5015.82
Cal 10000 ppb: 9996.34
IQV 5000 PPB: 4934.25
5000 PPB CCV: 4970.66
5000 PPB CCV: 4966.79
5000 PPB CCV: 4986.48
5000 PPB CCV: 4914.04
5000 PPB CCV: 4949.38
5000 PPB CCV: 4917.35
5000 PPB CCV: 4921.17
5000 PPB CCV: 4963.31
5000 PPB CCV: 4934.58
5000 PPB CCV: 4947.07
5000 PPB CCV: 4925.37
5000 PPB CCV: 5004.25
5000 PPB CCV: 4949.35
5000 PPB CCV: 4996.06
280-30446-b-1: 17036.5
280-30483-a-1-b: 226280
280-30483-a-1-bX: 328909
580-33597-d-3-b: 18664.4
93
210
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Absorbance (µAu) (E+06)
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
2.200
2.400
Time (sec)
1000
2000
3000
4000
5000
6000
Channel 1: Ammonia
1 SYNC: 10052.9
2 Carryover: 40.7429
3 Carryover: 27.9647
4 Read baseline: 24.0785
5 Cal 0.00 ppb: 26.4907
6 Cal 50.0 ppb: 67.8997
7 Cal 100 ppb: 91.7238
8 Cal 500 ppb: 495.317
9 Cal 1000 ppb: 956.398
10 Cal 5000 ppb: 5015.82
11 Cal 10000 ppb: 9996.34
12 Blk: 21.5406
13 READ BASELINE: 24.0785
14 5000 PPB NO2: 54.9162
15 ICV 2000 PPB: 1917.61
16 ICV 5000 PPB: 4934.25
17 CB: 24.8253
18 MRL: 88.5062
19 READ BASELINE: 24.0785
20 MB: 23.3095
21 CCS: 5039.35
22 LCSD: 5033.97
23 280-30531-a-1: 685.594
24 280-30531-a-1 MS: 1523.55
25 280-30531-a-1 MSD: 1533.09
26 280-30531-a-2: 100.721
27 280-30454-f-1: 82.4181
28 280-30454-c-2: 96.1612
29 280-30454-f-3: 90.6401
30 Read baseline: 24.0785
31 rinse: 22.9665
32 5000 PPB CCV: 4970.66
33 CCV 1000PPB: 954.109
34 CB: 30.4732
35 READ BASELINE: 24.0785
36 280-30498-c-1: 181.533
37 280-30503-e-1: 194.663
38 280-30458-f-1: 1181.14
39 280-30460-e-1: 121.117
40 280-30460-e-1 MS: 1548.16
41 280-30460-e-1 MSD: 1552.38
42 280-30460-f-2: 150.82
43 280-30460-f-3: 41.9806
44 280-30460-e-4: 62.9504
45 280-30460-e-5: 71.9295
46 READ BASELINE: 24.0785
47 RINSE: 24.0505
48 5000 PPB CCV: 4966.79
49 CCV 1000PPB: 953.669
50 CB: 27.4271
51 READ BASELINE: 24.0785
52 280-30499-b-1: 103.104
53 280-30499-b-2: 143.671
54 280-30499-b-3: 392.507
55 280-30499-b-4: 108.61
56 280-30499-b-6: 111.788
57 280-30499-b-7: 201.65
58 280-30184-d-1: 220.584
59 MB: 18.8819
60 CCS: 4977.57
61 LCSD: 4965.32
62 RB: 24.0785
63 RINSE: 15.3753
64 5000 PPB CCV: 4986.48
65 CCV 1000PPB: 949.142
66 CB: 26.4755
67 RB: 24.0785
68 280-30184-d-1 MS: 1755.55


Absorbance (µAu) (E+06)
-0.100
0.000
0.100
0.200
0.300
0.400
0.500
0.600
0.700
0.800
0.900
1.000
1.100
1.200
1.300
1.400
1.500
1.600
1.700
1.800
Time (sec) (E+04)
0.600
0.700
0.800
0.900
1.000
1.100
1.200
1.300
Channel 1: Ammonia
LCS: 4977.57
LCSD: 4965.32
RB: 24.0785
RINSE: 15.3753
5000 PPB CCV: 4986.48
CCV 1000PPB: 949.142
CCB: 26.4755
RB: 24.0785
280-30184-d-1 MS: 1755.56
280-30184-d-1 MSD: 1685.67
280-30184-d-2: 96.2863
280-30184-d-3: 98.5739
280-30184-d-4: 111.687
280-30184-d-5: 118.4
280-30184-d-6: 113.06
280-30184-d-7: 189.724
280-30184-d-8: 98.2683
MB: 26.875
READ BASELINE: 24.0785
RINSE: 23.4564
5000 PPB CCV: 4914.04
CCV 1000PPB: 961.773
CCB: 29.8208
READ BASELINE: 24.0785
LCS: 4944.08
LCSD: 5026.79
280-30380-c-6: 612.738
280-30348-b-1: 169.914
280-30348-b-5: 2610.38
280-30348-b-6X: 379.628
280-30348-b-6 MSX: 39424.1
280-30348-b-6 MSDX: 38953.6
280-30423-a-1: 6226.94
280-30446-b-1: 17036.5
MB: 24.0785
RINSE: 10.2883
5000 PPB CCV: 4949.38
CCV 1000PPB: 991.871
CCB: 21.5478
READ BASELINE: 24.0785
280-30446-c-2: 718.945
280-30446-c-3: 665.532
280-30446-c-4: 737.169
280-30517-a-1: 1684.64
280-30517-a-1 MS: 2198.96
280-30517-a-1 MSD: 2221.51
280-30522-h-1: 1268.48
280-30290-a-3: 53.6299
280-30290-a-9: 62.7356
280-30290-a-12: 65.9816
READ BASELINE: 24.0785
RINSE: 24.2872
5000 PPB CCV: 4917.35
CCV 1000PPB: 990.604
CCB: 27.2409
READ BASELINE: 24.0785
RINSE: 22.251
MB: 32.2838
LCS: 4957.27
LCSD: 4967.71
280-30290-a-17: 113.893
280-30290-a-21: 156.856
280-30290-a-25: 46.919
280-30505-a-1: 48.2727
280-30505-a-2: 98.4793
280-30505-a-3: 266.366
280-30505-a-4: 509.118
READ BASELINE: 24.0785
RINSE: 23.8049
5000 PPB CCV: 4921.17
CCV 1000PPB: 995.985
CCB: 24.6565
READ BASELINE: 24.0785
RINSE: 22.118
280-30505-a-5X: 187.701
280-30505-a-6X: 3980.81
280-30505-a-7X: 23.6227
280-30505-a-7 MSX: 2585.57
280-30505-a-7 MSDX: 2583.45
280-30338-A-3: 1519.47
280-30338-a-3 MSX: 2858.79
280-30338-a-3 MSDX: 2884.2
280-30338-a-8X: 74.3599
280-30338-a-12X: 215.504
READ: 24.0785
RINSE: 24.609


Absorbance (µAu) (E+06)
-0.100
0.000
0.100
0.200
0.300
0.400
0.500
0.600
0.700
0.800
0.900
1.000
1.100
1.200
1.300
1.400
1.500
1.600
1.700
Channel 1: Ammonia
Time (sec) (E+04)
1.400
1.500
1.600
1.700
1.800
1.900
146
5000 PPB CCV: 4963.31
147
CCV 1000PPB: 1002.12
148
CCB: 27.3878
149
READ BASELINE: 24.0785
150
RINSE: 22.5647
151
280-30505-a-5: 192.821
152
280-30505-a-6: 3984.18
153
280-30505-a-7: 29.3929
154
280-30505-a-7 MS: 2667.99
155
280-30505-a-7 MSD: 2600.61
156
280-30338-A-3: 1552.06
157
280-30338-a-3 MS: 2851.2
158
280-30338-a-3 MSD: 2917.94
159
280-30338-a-8: 34.9708
160
280-30338-a-12: 223.742
161
READ: 24.0785
162
RINSE: 23.2652
163
5000 PPB CCV: 4934.58
164
CCV 1000PPB: 997.814
165
CCB: 26.4424
166
READ BASELINE: 24.0785
167
RINSE: 22.4384
168
280-30338-a-16: 110.499
169
280-30338-a-22: 69.3112
170
280-30338-a-28: 98.0072
171
280-30338-a-32: 106.53
172
280-30338-a-37: 99.4227
173
mb 280-125911/1-aX: 70.8288
174
lcs 280-125911/2-a: 4928.33
175
lcsd 280-125911/3-a: 5005.39
176
280-30059-a-11-c: 25718.6
177
280-30059-a-12-c: 22766.2
178
READ: 24.0785
179
RINSE: 20.8014
180
5000 PPB CCV: 4947.07
181
CCV 1000PPB: 997.848
182
CCB: 28.3998
183
READ BASELINE: 24.0785
184
RINSE: 21.5532
185
280-30059-13-g: 22268.3
186
280-30059-b-13-h ms: 31453.5
187
280-30059-b-13-i msd: 23829.3
188
280-30059-a-14-c: 22977.6
189
280-30060-a-1-c: 24563.2
190
280-30060-a-2-c: 8104.92
191
280-30060-a-3-c: 13894.5
192
280-30060-a-4-c: 3708.04
193
280-30060-a-5-c: 27756.6
194
280-30060-a-6-c: 42485.7
195
READ: 24.0785
196
RINSE: 19.8666
197
5000 PPB CCV: 4925.37
198
CCV 1000PPB: 997.151
199
CCB: 27.0361
200
READ BASELINE: 24.0785
201
RINSE: 17.8253
202
280-30060-a-7-c: 11122.9
203
280-30060-a-8-c: 15080.2
204
280-30060-a-9-c: 6479.59
205
280-30060-a-10-c: 14703.8
206
280-30060-a-11-d: 6485.13
280-30060-a-11-e ms: 13490.6


Absorbance (µAu) (E+06)
-0.200
-0.100
0.000
0.100
0.200
0.300
0.400
0.500
0.600
0.700
0.800
0.900
1.000
1.100
1.200
1.300
1.400
1.500
1.600
Time (sec) (E+04)
1.850
1.900
1.950
2.000
2.050
2.100
2.150
2.200
2.250
Channel 1: Ammonia
CCB: 27.0361
READ BASELINE: 24.0785
RINSE: 17.8253
280-30060-a-7-c: 11122.9
280-30060-a-8-c: 15080.2
280-30060-a-9-c: 6479.59
280-30060-a-10-c: 14703.8
280-30060-a-11-d: 6485.13
280-30060-a-11-e ms: 13490.6
280-30060-a-11-f msd: 14446
280-30060-a-12-c: 44928.7
280-30483-a-1-b: 226280
RINSE: 259.657
READ BASELINE: 24.0785
RINSE: 3.88456
5000 PPB CCV: 5004.25
CCV 1000PPB: 994.675
CCB: 18.7321
READ BASELINE: 24.0785
RINSE: 21.3411
mb 280-126096/1-aX: 53.3904
lcs 280-126096/2-a: 5144.46
lcsd 280-126096/3-a: 5269.37
580-33597-d-1-d: 22364.1
580-33597-d-2-b: 22707.5
580-33597-d-3-b: 22930.9
280-30525-a-4-a: 5496.6
280-30348-B-6: 232.512
280-30348-B-6 MS: 1761.68
280-30348-B-6 MSD: 1771.74
READ BASELINE: 24.0785
RINSE: 21.0061
5000 PPB CCV: 4949.35
CCV 1000PPB: 988.482
CCB: 25.8928
READ BASELINE: 24.0785
280-30060-a-2-c: 809.823
280-30060-a-4-c: 1050.93
280-30060-a-9-c: 2961.27
280-30060-a-11-d: 4815.49
280-30060-a-11-e ms: 10872.7
280-30060-a-11-f msd: 9364.16
280-30483-a-1-bX: 328909
280-30059-b-13-i msd: 32923.6
mb 280-125911/1-a: 30.9606
mb 280-126096/1-a: 40.0151
READ BASELINE: 24.0785


Absorbance (µAu) (E+06)
-0.400
-0.200
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
2.200
Time (sec) (E+04)
2.150
2.200
2.250
2.300
2.350
2.400
2.450
Channel 1: Ammonia
1 5000 PPB CCV: 4949.35
232 CCV 1000PPB: 988.482
233 CCB: 25.8928
B READ BASELINE: 24.0785
235 280-30060-a-2-c: 809.823
236 280-30060-a-4-a: 1050.93
237 280-30060-a-9-c: 2961.27
238 280-30060-a-11-d: 4815.49
239 280-30060-a-11-e ms: 10872.7
240 280-30060-a-11-f msd: 9364.16
280-30483-a-1-bX: 328909
242 280-30059-b-13-i msd: 32923.6
243 mb 280-125911/1-a: 30.9606
244 mb 280-126096/1-a: 40.0151
B READ BASELINE: 24.0785
246 RINSE: 20.4903
247 5000 PPB CCV: 4996.06
248 CCV 1000PPB: 994.233
249 CCB: 28.3074
B READ BASELINE: 24.0785
580-33597-d-1-d: 16182.4
580-33597-d-2-b: 14465
580-33597-d-3-b: 18664.4
254 280-30525-a-4-a: 5160.45
255 RINSE: 25.5225
256 280-30483-a-1-b: 301990
257 580-33597-d-1-d: 154634
258 580-33597-d-2-b: 134192
259 580-33597-d-3-b: 183827
260 280-30525-a-4-a: 5128.57
B READ BASELINE: 24.0785
262 RINSE: 22.8109
263 5000 PPB CCV: 5039.29
264 CCV 1000PPB: 974.02
265 CCB: 27.3432
B READ BASELINE: 24.0785

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TKN/351.2 SOP # DV-WC-0026

Instrument: ASTORIA Analyst: MUNOZ Analysis Date: 7/7/2012

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30184 1-8	WATER	126750	126896	351.2	N/A
30545 1,2	↓	↓	↓	↓	↓
30612-1					
30429-1					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			—
2. Correlation coefficient ≥ 0.995 ?	✓			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			—
4. ICB analyzed immediately after the ICV & results < the RL	✓			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			✓
6. CCB analyzed after every CCV & results < RL?	✓			—
7. Absolute value of the intercept is < ± ½ the RL?	✓			✓
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			—
3. All reported results bracketed by in control CCV results?	✓			—
4. Sample analyses done within holding time?	✓			—
5. Initial pH check documented for all samples? (If Applicable)	✓			✓
6. Preparation benchsheet completed and included in package?	✓			—
7. Client requirements reviewed and met?	✓			✓
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	—
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
11. Raw data copies prepared, scanned, and uploaded?	✓			—
12. Manual integrations done properly and initialed and dated?			✓	—
13. STD/True Value information is updated and included?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?	✓			✓
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	—

Analyst: _____ Date: 7/7/2012

2nd Level Reviewer : _____ Date: 7/11/12

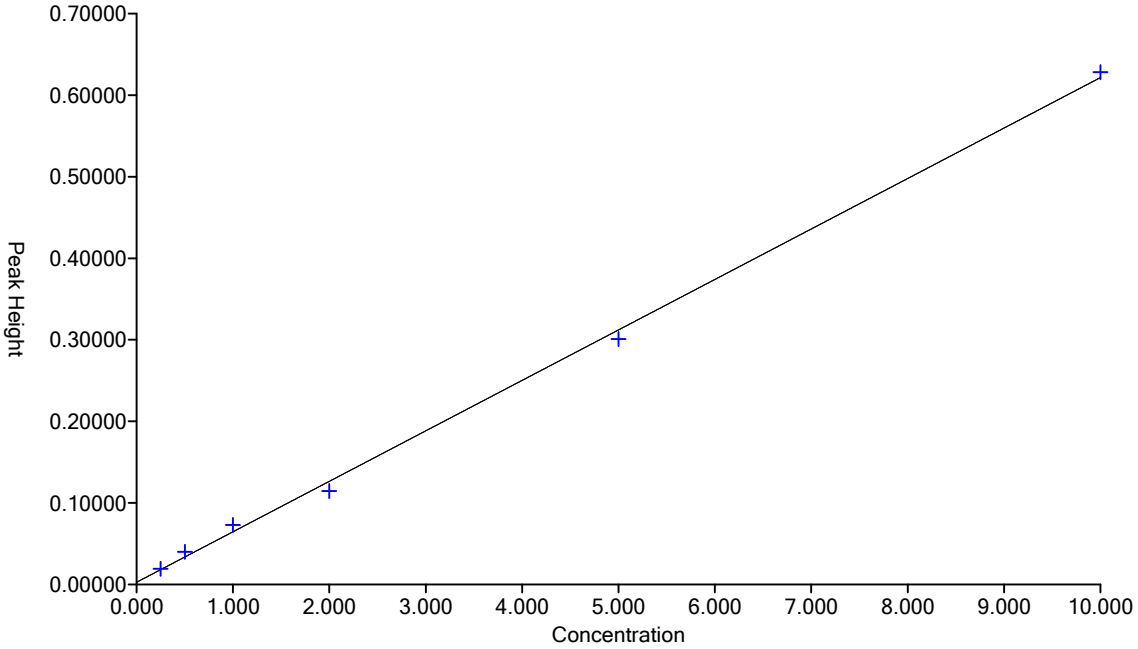
Run Name: 070712TKN
Configuration: TKN
Run date: 7/7/2012

Analyst:
ICV/CCV TV:
LCS/MS TV:

Astoria
TKN
351.2

	›siti	Identifier	Type	Comme	Date	Time	Total	TKN Cor Ht	TKN mg/l
1	1:1	SYNC	SYNC	50;351.	7/7/2012	2:42:52 F	1	0.61683	9.925
2	1:2	CO	Carry over		7/7/2012	2:43:22 F	1	0.00037	-0.036
3	1:3	w	Blank		7/7/2012	2:44:37 F	1	-0.00010	-0.044
4	1:4	W	Wash		7/7/2012	2:45:52 F	1	0.00000	-0.042
5	1:5	C1	Calibrant		7/7/2012	2:47:08 F	1	0.01934	0.270
6	1:6	C2	Calibrant		7/7/2012	2:48:23 F	1	0.03992	0.603
7	1:7	C3	Calibrant		7/7/2012	2:49:38 F	1	0.07301	1.137
8	1:8	C4	Calibrant		7/7/2012	2:50:54 F	1	0.11464	1.810
9	1:9	C5	Calibrant		7/7/2012	2:52:09 F	1	0.30104	4.822
10	1:10	C6	Calibrant		7/7/2012	2:53:24 F	1	0.62809	10.107
		Curve #:							1
		Curve Type:							Linear
		Correlation:							0.99924
		Intercept:							0.0026257
		Linear coef:							0.061882

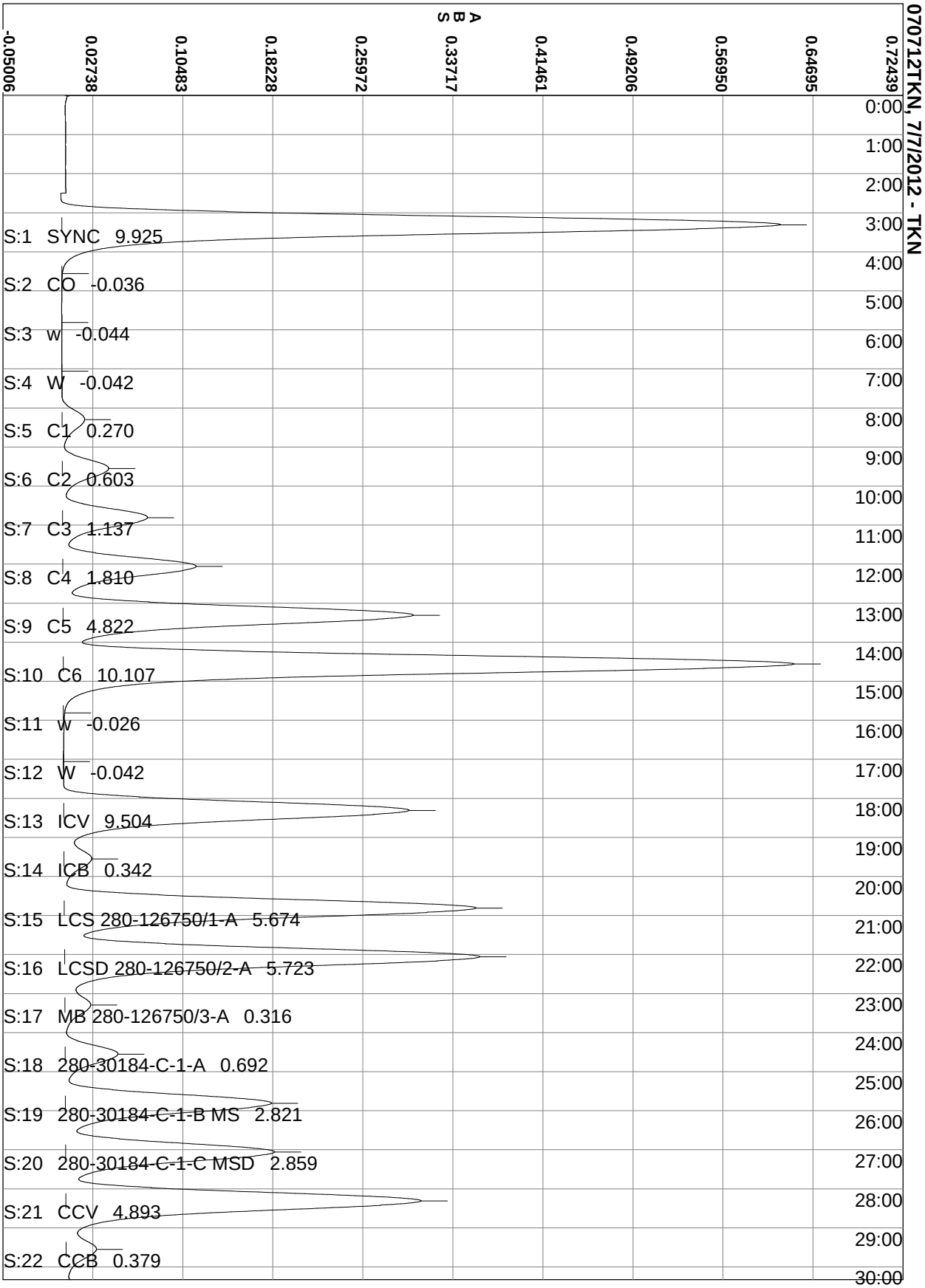
Calibration for TKN

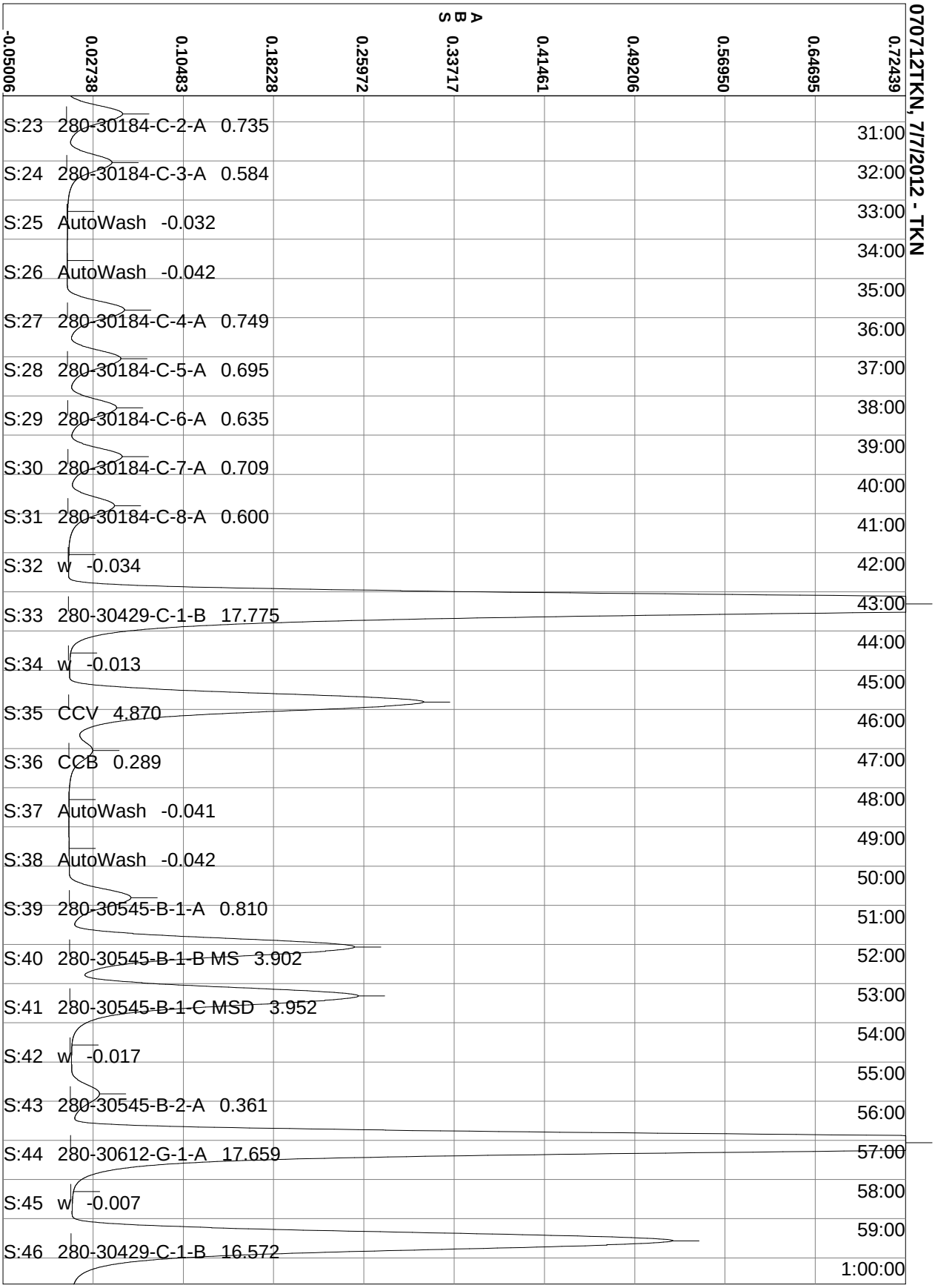


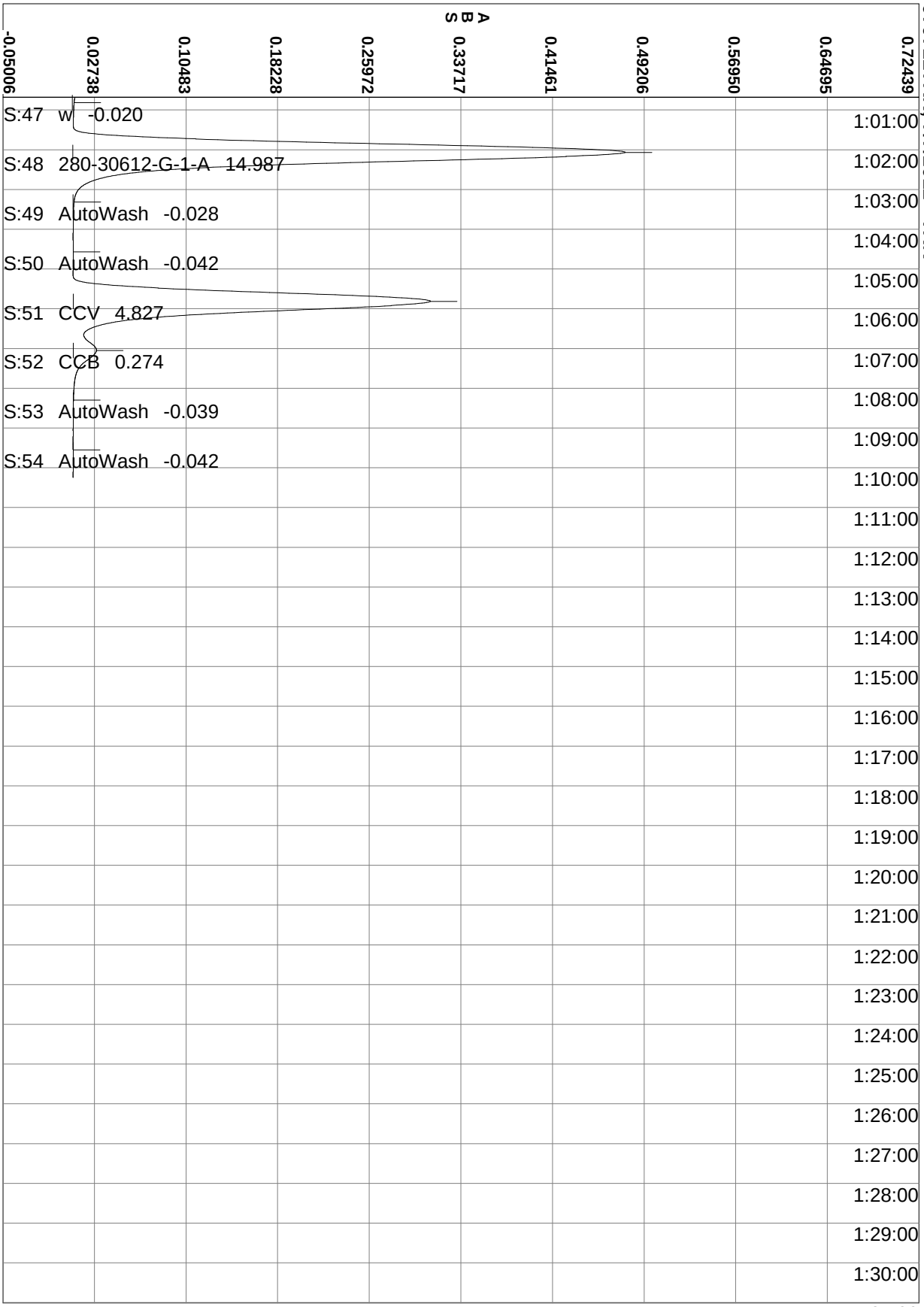
Segment 1: Equation: y = 0.06188x + 0.002626 X Range = 0.000 to 10.000
Correlation: 0.9992 Y Range = 0.00000 to 7.20000

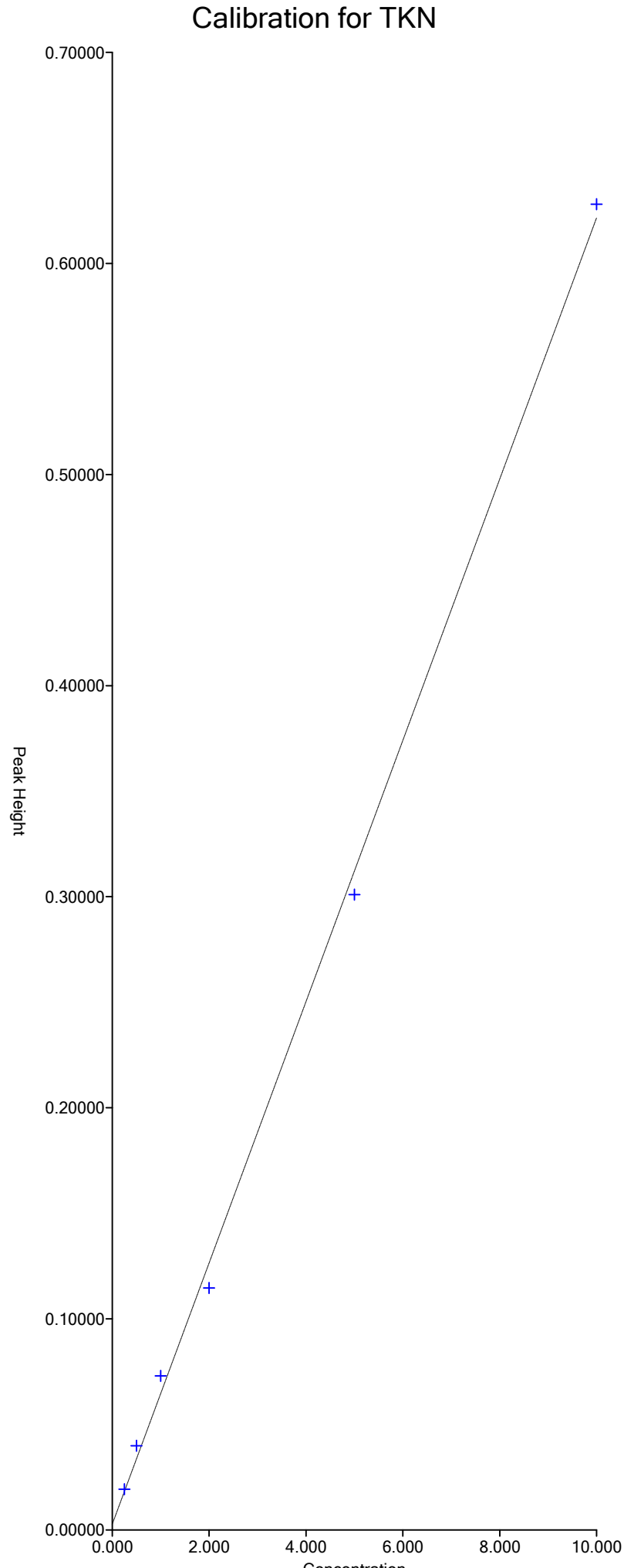
	›siti	Identifier	Type	Comme	Date	Time	Total	TKN Cor Ht	TKN mg/l
11	1:13	w	Blank		7/7/2012	2:54:40 F	1	0.00104	-0.026
12	1:14	W	Wash		7/7/2012	2:55:55 F	1	0.00000	-0.042
13	1:15	ICV	ICV		7/7/2012	2:57:10 F	2	0.29670	9.504
14	1:16	ICB	ICB		7/7/2012	2:58:25 F	1	0.02377	0.342
15	1:17	LCS 280-126750/1-A	Unknown		7/7/2012	2:59:41 F	1	0.35371	5.674

	›siti	Identifier	Type	Comme	Date	Time	Total	TKN Cor Ht	mg/l
16	1:18	LCSD 280-126750/2-A	Unknown		7/7/2012	3:00:57 P	1	0.35677	5.723
17	1:19	MB 280-126750/3-A	Unknown		7/7/2012	3:02:12 P	1	0.02221	0.316
18	1:20	280-30184-C-1-A	Unknown		7/7/2012	3:03:27 P	1	0.04547	0.692
19	1:21	280-30184-C-1-B MS	Unknown		7/7/2012	3:04:42 P	1	0.17719	2.821
20	1:22	280-30184-C-1-C MSI	Unknown		7/7/2012	3:05:58 P	1	0.17956	2.859
21	1:23	CCV	CCV		7/7/2012	3:07:13 P	1	0.30542	4.893
22	1:24	CCB	CCB		7/7/2012	3:08:28 P	1	0.02610	0.379
23	1:25	280-30184-C-2-A	Unknown		7/7/2012	3:09:44 P	1	0.04811	0.735
24	1:26	280-30184-C-3-A	Unknown		7/7/2012	3:10:59 P	1	0.03878	0.584
25	0	AutoWash	AutoWash		7/7/2012	3:12:14 P	1	0.00062	-0.032
26	0	AutoWash	AutoWash		7/7/2012	3:13:30 P	1	0.00000	-0.042
27	1:27	280-30184-C-4-A	Unknown		7/7/2012	3:14:45 P	1	0.04896	0.749
28	1:28	280-30184-C-5-A	Unknown		7/7/2012	3:16:00 P	1	0.04561	0.695
29	1:29	280-30184-C-6-A	Unknown		7/7/2012	3:17:16 P	1	0.04193	0.635
30	1:30	280-30184-C-7-A	Unknown		7/7/2012	3:18:31 P	1	0.04650	0.709
31	1:31	280-30184-C-8-A	Unknown		7/7/2012	3:19:46 P	1	0.03978	0.600
32	1:32	w	Blank		7/7/2012	3:21:02 P	1	0.00053	-0.034
33	1:33	280-30429-C-1-B	Unknown		7/7/2012	3:22:17 P	1	1.10256	17.775
34	1:34	w	Blank		7/7/2012	3:23:32 P	1	0.00184	-0.013
35	1:35	CCV	CCV		7/7/2012	3:24:47 P	1	0.30396	4.870
36	1:36	CCB	CCB		7/7/2012	3:26:03 P	1	0.02049	0.289
37	0	AutoWash	AutoWash		7/7/2012	3:27:18 P	1	0.00010	-0.041
38	0	AutoWash	AutoWash		7/7/2012	3:28:33 P	1	0.00000	-0.042
39	1:37	280-30545-B-1-A	Unknown		7/7/2012	3:29:49 P	1	0.05276	0.810
40	1:38	280-30545-B-1-B MS	Unknown		7/7/2012	3:31:04 P	1	0.24408	3.902
41	1:39	280-30545-B-1-C MSI	Unknown		7/7/2012	3:32:19 P	1	0.24720	3.952
42	1:40	w	Blank		7/7/2012	3:33:35 P	1	0.00155	-0.017
43	1:41	280-30545-B-2-A	Unknown		7/7/2012	3:34:50 P	1	0.02497	0.361
44	1:42	280-30612-G-1-A	Unknown		7/7/2012	3:36:05 P	1	1.09537	17.659
45	1:43	w	Blank		7/7/2012	3:37:21 P	1	0.00221	-0.007
46	1:44	280-30429-C-1-B	Unknown		7/7/2012	3:38:36 P	2	0.51537	16.572
47	1:45	w	Blank		7/7/2012	3:39:51 P	1	0.00139	-0.020
48	1:46	280-30612-G-1-A	Unknown		7/7/2012	3:41:06 P	2	0.46633	14.987
49	0	AutoWash	AutoWash		7/7/2012	3:42:22 P	1	0.00091	-0.028
50	0	AutoWash	AutoWash		7/7/2012	3:43:37 P	1	0.00000	-0.042
51	1:47	CCV	CCV		7/7/2012	3:44:52 P	1	0.30131	4.827
52	1:48	CCB	CCB		7/7/2012	3:46:08 P	1	0.01961	0.274
53	0	AutoWash	AutoWash		7/7/2012	3:47:23 P	1	0.00022	-0.039
54	0	AutoWash	AutoWash		7/7/2012	3:48:38 P	1	0.00000	-0.042


070712TKN, 7/7/2012 - TKN
ABS
-0.05006
0.02738
0.10483
0.18228
0.25972
0.33717
0.41461
0.49206
0.56950
0.64695
0.72439
0:00
1:00
2:00
3:00
4:00
5:00
6:00
7:00
8:00
9:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
24:00
25:00
26:00
27:00
28:00
29:00
30:00
S:1 SYNC 9.925
S:2 CO -0.036
S:3 w -0.044
S:4 W -0.042
S:5 C1 0.270
S:6 C2 0.603
S:7 C3 1.137
S:8 C4 1.810
S:9 C5 4.822
S:10 C6 10.107
S:11 w -0.026
S:12 W -0.042
S:13 ICV 9.504
S:14 ICB 0.342
S:15 LCS 280-126750/1-A 5.674
S:16 LCSD 280-126750/2-A 5.723
S:17 MB 280-126750/3-A 0.316
S:18 280-30184-C-1-A 0.692
S:19 280-30184-C-1-B MS 2.821
S:20 280-30184-C-1-C MSD 2.859
S:21 CCV 4.893
S:22 CCB 0.379


070712TKN, 7/7/2012 - TKN
ABS
-0.05006
0.02738
0.10483
0.18228
0.25972
0.33717
0.41461
0.49206
0.56950
0.64695
0.72439
S:23 280-30184-C-2-A 0.735
S:24 280-30184-C-3-A 0.584
S:25 AutoWash -0.032
S:26 AutoWash -0.042
S:27 280-30184-C-4-A 0.749
S:28 280-30184-C-5-A 0.695
S:29 280-30184-C-6-A 0.635
S:30 280-30184-C-7-A 0.709
S:31 280-30184-C-8-A 0.600
S:32 w -0.034
S:33 280-30429-C-1-B 17.775
S:34 w -0.013
S:35 CCV 4.870
S:36 CCB 0.289
S:37 AutoWash -0.041
S:38 AutoWash -0.042
S:39 280-30545-B-1-A 0.810
S:40 280-30545-B-1-B MS 3.902
S:41 280-30545-B-1-C MSD 3.952
S:42 w -0.017
S:43 280-30545-B-2-A 0.361
S:44 280-30612-G-1-A 17.659
S:45 w -0.007
S:46 280-30429-C-1-B 16.572
31:00
32:00
33:00
34:00
35:00
36:00
37:00
38:00
39:00
40:00
41:00
42:00
43:00
44:00
45:00
46:00
47:00
48:00
49:00
50:00
51:00
52:00
53:00
54:00
55:00
56:00
57:00
58:00
59:00
1:00:00


070712TKN, 7/7/2012 - TKN
ABS
-0.05006
0.02738
0.10483
0.18228
0.25972
0.33717
0.41461
0.49206
0.56950
0.64695
0.72439
S:47 w -0.020
S:48 280-30612-G-1-A 14.987
S:49 AutoWash -0.028
S:50 AutoWash -0.042
S:51 CCV 4.827
S:52 CCB 0.274
S:53 AutoWash -0.039
S:54 AutoWash -0.042
1:01:00
1:02:00
1:03:00
1:04:00
1:05:00
1:06:00
1:07:00
1:08:00
1:09:00
1:10:00
1:11:00
1:12:00
1:13:00
1:14:00
1:15:00
1:16:00
1:17:00
1:18:00
1:19:00
1:20:00
1:21:00
1:22:00
1:23:00
1:24:00
1:25:00
1:26:00
1:27:00
1:28:00
1:29:00
1:30:00
1:31:00



Segment 1: Equation: y = 0.06188x + 0.002626
Correlation: 0.9992

X Range = 0.000 to 10.000
Y Range = 0.00000 to 7.20000

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: COD 410.4 **SOP #** DV-WC-0018

Instrument: HACH Spec **Analyst:** M. Fayard **Analysis Date:** 6/16/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30117-1	Water	NA	124298	410.4	NA
280-30007-1					
280-29966-6					
280-29975-1					
280-29988-1					
280-30081-1-5					
280-30093-1					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			–
2. Correlation coefficient ≥ 0.995 ?	✓			–
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			–
4. ICB analyzed immediately after the ICV & results < the RL	✓			–
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			–
6. CCB analyzed after every CCV & results < RL?	✓			–
7. Absolute value of the intercept is < ± ½ the RL?			✓	–
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			–
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			–
3. All reported results bracketed by in control CCV results?	✓			–
4. Sample analyses done within holding time?	✓			–
5. Initial pH check documented for all samples? (If Applicable)	✓			
6. Preparation benchsheet completed and included in package?			✓	–
7. Client requirements reviewed and met?	✓			–
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	–
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			–
11. Raw data copies prepared, scanned, and uploaded?	✓			–
12. Manual integrations done properly and initialed and dated?			✓	–
13. STD/True Value information is updated and included?	✓			–
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			–
2. Method blank < ½ RL or NCM provided?	✓			–
3. LCS/LCSD run for batch and within QC limits?	✓			–
4. MS/MSD run at required frequency and within limits or NCM written?	✓			–
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	–

Analyst: [signature] **Date:** 6/19/12

2nd Level Reviewer : [signature] **Date:** 6.20.12

Test Name/ Method #: COD 410.4 **SOP #** DV-WC-0018

Instrument: HACH SPEC **Analyst:** M. FAYARD **Analysis Date:** 6/16/12

Lot / Sample Numbers	Matrix	Batch	Method	Special Inst
280-30116-1	Water	124298	410.4	NA
280-29669-9, 19, 32, 42	↓	↓	↓	DOE
280-29669-52462				DOE

NA 6/19/12

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: COD / 410.4 **SOP #** DV-WC-0018

Instrument: HACH Spec **Analyst:** M. FAYARD **Analysis Date:** 6/19/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30164-9,19,29,39,49+59	Water	NA	124604	410.4	DOC
280-30187-3	↓	↓	↓	↓	
280-30184-1-8	↓	↓	↓	↓	QY
	N/A				
	6/19/12				

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			✓
2. Correlation coefficient ≥ 0.995 ?	✓			✓
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			✓
4. ICB analyzed immediately after the ICV & results < the RL	✓			✓
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			✓
6. CCB analyzed after every CCV & results < RL?	✓			✓
7. Absolute value of the intercept is < ± ½ the RL?			✓	✓
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?			✓	✓
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?			✓	✓
3. All reported results bracketed by in control CCV results?	✓			✓
4. Sample analyses done within holding time?	✓			✓
5. Initial pH check documented for all samples? (If Applicable)	✓			✓
6. Preparation benchsheet completed and included in package?			✓	✓
7. Client requirements reviewed and met?	✓			✓
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	✓
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
11. Raw data copies prepared, scanned, and uploaded?	✓			✓
12. Manual integrations done properly and initialed and dated?			✓	✓
13. STD/True Value information is updated and included?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. MS/MSD run at required frequency and within limits or NCM written?	✓			✓
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	✓

Analyst: [signature] **Date:** 6/19/12

2nd Level Reviewer : [signature] **Date:** 6/20/12

TestAmerica

Wet Chemistry Data Review Checklist
Direct Measurement Methods (pH, Conductance, etc.)

Test Name/Method #: Color **Analysis Date** 6 2012

SOP #: Dr WC 0058 **Analyst:** DA **Instrument:** Nessler tubes

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30184 / 1-8	Water	NA	124723	2120B	Q4
					DD 6 30 12

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the instrument properly standardized?	✓			—
2. Second-source ICV analyzed immediately after instrument standardization & recovery ± 10% of true value?			—	—
3. ICB analyzed immediately after ICV & results < the RL?			—	—
4. CCV analyzed after every ten samples & recovery ± 10% of true value?			—	—
5. CCB analyzed after every CCV & all results < the RL?			—	—
B. Sample Results				
1. pH sample and duplicate within ± 0.1 units?			—	—
1. Are all sample dilutions appropriate and do associated RLs reflect required dilutions or limited sample volumes?	✓			—
2. All reported results bracketed by in control CCV results?			—	—
3. Sample analyses done within holding time?	✓			—
4. Preparation benchsheet completed and included in package (if applicable)?	✓			—
5. Special client requirements reviewed and met?	✓			—
6. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓			—
7. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
8. STD/True Value information is updated and included?	✓			—
9. Raw data copies prepared, scanned, and uploaded?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?			SDA	—
4. Sample DUP run at required frequency and RPD within established limits?	✓			—

Analyst: [signature] **Date:** 6 30 12

2nd Level Reviewer : [signature] **Date:** 7/3/12

5/18/10 Version 2
QA/Edit/Forms/Data Review\Direct Measurement Methods Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver Wet Chemistry Data Review Checklist
For Titration Methods

ANALYTE: Hardness ANALYST: AA ANALYSIS DATE: 7/6/12 SOP: WC-0060

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30184 30651	W	N/A	126803	2340C	
30472	↓	↓	↓	↓	
30503	↓	↓	↓	↓	
30458	↓	↓	↓	↓	
30612	↓	↓	↓	↓	
30632	↓	↓	↓	↓	
30666	↓	↓	↓	↓	

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the normality of the titrant verified and found acceptable?	✓			—
B. Sample Results				
1. Are all sample dilutions appropriate and do associated RLs/MDLs reflect required dilutions or limited sample volume?	✓			—
2. All reported results bracketed by in control CCV/CCB?	X ✓ 7/6		✓	—
3. Sample analyses done within holding time?	✓			—
4. Initial pH check documented for all samples (if required)?			✓	—
5. Preparation benchsheet completed and included in package (if applicable)?	✓			—
6. Special client requirements checked?	✓			—
7. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures? (If Applicable)	✓			—
8. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
9. STD/True Value information is updated and included?	✓			—
10. Raw data copies prepared, scanned, and uploaded?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?	✓			—
5. DUP run at required frequency and RPD within 20% or NCM written?			✓	—

Analyst: _____ **Date:** 7/6/12

Comments: _____

2nd Level Reviewer : _____ **Date:** 7/6/12

Comments: _____

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/19/2012 9:29:41 AM by WETCHEMD
#Samples: 59 Last Update: 6/20/2012 9:58:29 AM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
1	RT CHECK	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:14:11 PM
2	cal1	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:31:00 PM
3	cal2	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:47:48 PM
4	cal3	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:04:36 PM
5	cal4	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:21:25 PM
6	cal5	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:38:13 PM
7	cal6	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:55:01 PM
8	BLK	Unknown	6	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:11:49 PM
9	ICV STD#00816	Unknown	201	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:28:37 PM
10	ICB	Unknown	186	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:45:26 PM
11	ICV STD#00818	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 9:18:45 AM
12	ICB	Unknown	187	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 9:42:42 AM
13	MRL 0.02	Unknown	202	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 9:59:31 AM
14	LCS STD#00818	Unknown	194	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 10:16:19 AM
15	LCSD	Unknown	193	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 10:33:07 AM
16	MRL 0.05	Unknown	194	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 10:49:56 AM
17	MB	Unknown	143	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 11:06:44 AM
18	280-30184-b-1	Unknown	139	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 11:23:32 AM
19	DU 280-30184-b-1	Unknown	175	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 11:40:21 AM
20	MS 280-30184-b-1	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 11:57:09 AM
21	MSD 280-30184-b-1	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 12:13:57 PM
22	280-30184-b-2	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 12:30:46 PM
23	280-30184-b-3	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 12:47:34 PM
24	280-30184-b-4	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 1:04:22 PM
25	280-30184-b-5	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 1:21:10 PM
26	280-30184-b-6	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 1:37:59 PM
27	280-30184-b-7	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 1:54:47 PM
28	CCV	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 2:11:35 PM
29	CCB	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 2:28:23 PM
30	280-30184-b-8	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 2:45:12 PM
31	280-30187-a-4	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 3:02:00 PM
32	280-30192-d-1	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 3:35:36 PM
33	280-30192-d-2	Unknown	411	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 3:52:25 PM
34	280-30192-d-3	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 4:09:13 PM
35	280-30192-d-4	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 4:26:02 PM
36	280-30192-d-5	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 4:42:50 PM
37	DU 280-30184-b-7	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 4:59:38 PM
38	280-30209-c-1	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 5:16:28 PM
39	CCV	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 5:33:16 PM
40	CCB	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 5:50:05 PM
41	280-30184-b-2 5X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 6:06:53 PM
42	280-30184-b-3 5X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 6:23:41 PM
43	280-30184-b-4 5X	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 6:40:29 PM
44	280-30187-a-4 10X	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 6:57:18 PM

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/19/2012 9:29:41 AM by WETCHEMD
#Samples: 59 Last Update: 6/20/2012 9:58:29 AM by WETCHEMD

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	RT CHECK	1.0000	1.0000	1.0000	100		EMK
2	cal1	1.0000	1.0000	1.0000	101		EMK
3	cal2	1.0000	1.0000	1.0000	102		EMK
4	cal3	1.0000	1.0000	1.0000	103		EMK
5	cal4	1.0000	1.0000	1.0000	104		EMK
6	cal5	1.0000	1.0000	1.0000	105		EMK
7	cal6	1.0000	1.0000	1.0000	106		EMK
8	BLK	1.0000	1.0000	1.0000	107		EMK
9	ICV STD#00816	1.0000	1.0000	1.0000	108		EMK
10	ICB	1.0000	1.0000	1.0000	109		EMK
11	ICV STD#00818	1.0000	1.0000	1.0000	110		EMK
12	ICB	1.0000	1.0000	1.0000	111		EMK
13	MRL 0.02	1.0000	1.0000	1.0000	112		EMK
14	LCS STD#00818	1.0000	1.0000	1.0000	113		EMK
15	LCSD	1.0000	1.0000	1.0000	114		EMK
16	MRL 0.05	1.0000	1.0000	1.0000	115		EMK
17	MB	1.0000	1.0000	1.0000	116		EMK
18	280-30184-b-1	1.0000	1.0000	1.0000	117		EMK
19	DU 280-30184-b-1	1.0000	1.0000	1.0000	118		EMK
20	MS 280-30184-b-1	1.0000	1.0000	1.0000	119		EMK
21	MSD 280-30184-b-1	1.0000	1.0000	1.0000	120		EMK
22	280-30184-b-2	1.0000	1.0000	1.0000	121		EMK
23	280-30184-b-3	1.0000	1.0000	1.0000	122		EMK
24	280-30184-b-4	1.0000	1.0000	1.0000	123		EMK
25	280-30184-b-5	1.0000	1.0000	1.0000	124		EMK
26	280-30184-b-6	1.0000	1.0000	1.0000	125		EMK
27	280-30184-b-7	1.0000	1.0000	1.0000	126		EMK
28	CCV	1.0000	1.0000	1.0000	127		EMK
29	CCB	1.0000	1.0000	1.0000	128		EMK
30	280-30184-b-8	1.0000	1.0000	1.0000	129		EMK
31	280-30187-a-4	1.0000	1.0000	1.0000	130		EMK
32	280-30192-d-1	1.0000	1.0000	1.0000	131		EMK
33	280-30192-d-2	1.0000	1.0000	1.0000	132		EMK
34	280-30192-d-3	1.0000	1.0000	1.0000	133		EMK
35	280-30192-d-4	1.0000	1.0000	1.0000	134		EMK
36	280-30192-d-5	1.0000	1.0000	1.0000	135		EMK
37	DU 280-30184-b-7	1.0000	1.0000	1.0000	136		EMK
38	280-30209-c-1	1.0000	1.0000	1.0000	137		EMK
39	CCV	1.0000	1.0000	1.0000	138		EMK
40	CCB	1.0000	1.0000	1.0000	139		EMK
41	280-30184-b-2 5X	1.0000	5.0000	1.0000	140		EMK
42	280-30184-b-3 5X	1.0000	5.0000	1.0000	141		EMK
43	280-30184-b-4 5X	1.0000	5.0000	1.0000	142		EMK
44	280-30187-a-4 10X	1.0000	10.0000	1.0000	143		EMK

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/19/2012 9:29:41 AM by WETCHEMD
#Samples: 59 Last Update: 6/20/2012 9:58:29 AM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
45	280-30209-c-1 5X	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 7:14:06 PM
46	lcs 280-124577/1-a	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 7:30:54 PM
47	lcsd 280-124577/2-a	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 7:47:43 PM
48	mb 280-124577/3-a	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 8:04:31 PM
49	280-30109-a-1-d 2X	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 8:21:19 PM
50	280-30109-a-2-b 5X	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 8:54:56 PM
51	CCV	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 9:11:44 PM
52	CCB	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 9:28:33 PM
53	280-30109-a-2-c du 5X	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 9:45:21 PM
54	280-30109-a-2-d ms 5X	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 10:02:10 PM
55	280-30109-a-2-e msd 5X	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 10:18:58 PM
56	280-30109-a-1-d 20X	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 10:35:46 PM
57	CCV	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 10:52:34 PM
58	CCB	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 11:09:23 PM
59	END	Unknown	421	10.0	stop	7 ANION AS11	Finished	6/19/2012 11:26:11 PM

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/19/2012 9:29:41 AM by WETCHEMD
#Samples: 59 Last Update: 6/20/2012 9:58:29 AM by WETCHEMD

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
45	280-30209-c-1 5X	1.0000	5.0000	1.0000	144		EMK
46	lcs 280-124577/1-a	1.0000	1.0000	1.0000	145		EMK
47	lcsd 280-124577/2-a	1.0000	1.0000	1.0000	146		EMK
48	mb 280-124577/3-a	1.0000	1.0000	1.0000	147		EMK
49	280-30109-a-1-d 2X	1.0000	2.0000	1.0000	148		EMK
50	280-30109-a-2-b 5X	1.0000	5.0000	1.0000	149		EMK
51	CCV	1.0000	1.0000	1.0000	150		EMK
52	CCB	1.0000	1.0000	1.0000	151		EMK
53	280-30109-a-2-c du 5X	1.0000	5.0000	1.0000	152		EMK
54	280-30109-a-2-d ms 5X	1.0000	5.0000	1.0000	153		EMK
55	280-30109-a-2-e msd 5X	1.0000	5.0000	1.0000	154		EMK
56	280-30109-a-1-d 20X	1.0000	20.0000	1.0000	155		EMK
57	CCV	1.0000	1.0000	1.0000	156		EMK
58	CCB	1.0000	1.0000	1.0000	157		EMK
59	END	1.0000	1.0000	1.0000	158		EMK

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Pressure.LowerLimit =              200 [psi]
           Pressure.UpperLimit =              3000 [psi]
           %A.Equate =                        "DI H2O"
           CR_TC =                            On
           Pump_InjectValve.State             LoadPosition
           Data_Collection_Rate =             5.0 [Hz]
           CellTemperature.Nominal =          35.0 [°C]
           ColumnTemperature.Nominal =        30.0 [°C]
           Suppressor_Type =                  ASRS_4mm
           ; Pump_ECD.Hydroxide =             50.0
           ; Pump_ECD.Recommended Current =   124
           ; Pump_ECD.Carbonate =             0.0
           ; Pump_ECD.Bicarbonate =           0.0
           ; Pump_ECD.Tetraborate =           0.0
           ; Pump_ECD.Other eluent =          0.0
           Suppressor_Current =               125 [mA]
           Flow =                             1.00 [ml/min]

-2.700     Pump_ECD_Relay_1.Open              Duration=0.01
           Concentration =                    10.00 [mM]
           Curve =                            5

-2.500     Pump_ECD_Relay_1.Closed            Duration=0.01

 0.000     Autozero
           ECD_1.AcqOn
           Pump_InjectValve.InjectPosition    Duration=720.00

 7.500     Concentration =                    10.00 [mM]
           Curve =                            5

10.500     Concentration =                    40.00 [mM]
           Curve =                            5

10.600     Concentration =                    50.00 [mM]
           Curve =                            5

12.500     Concentration =                    50.00 [mM]
           Curve =                            5

12.600     Concentration =                    10.00 [mM]
           Curve =                            5

13.000     Concentration =                    10.00 [mM]
```

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Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Curve =                          5

14.000     ECD_1.AcqOff
           End
```

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ
Timebase: ICS-8
Created: 3/20/2008 10:44:59 AM by kudlae
Changed: 3/31/2008 10:13:48 AM by kudlae

No.	Channel	Operation	Parameters

Title: Stop
Datasource: D3YCYMF1_local Created: 3/11/2008 4:10:47 PM by Test America Labs
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ
Timebase: ICS-8 Changed: 3/11/2008 4:10:47 PM by Test America Labs

```
           ColumnTemperature =                Off
           CellTemperature.Nominal =          Off
; Pump_ECD.Hydroxide =                        50.0
; Pump_ECD.Recommended Current =              124
; Pump_ECD.Carbonate =                        0.0
; Pump_ECD.Bicarbonate =                      0.0
; Pump_ECD.Tetraborate =                      0.0
; Pump_ECD.Other eluent =                     0.0
           Pressure.LowerLimit =              200
           Pressure.UpperLimit =              3000
           %A.Equate =                        "DI H2O"
           CR_TC =                            Off
           ;LoadPosition
           Data_Collection_Rate =             5.0
           Suppressor_Type =                  ASRS_4mm
           Suppressor_Current =               124
           Suppressor_Mode =                  Off
           ECD_Total.Step =                   0.50
           ECD_Total.Average =                Off
           Channel_Pressure.Step =            0.50
           Channel_Pressure.Average =         Off

           Pump_ECD_Relay_1.Open
           Concentration =                    10.00
           Curve =                            5

           Pump_ECD_Relay_1.State             Open
           Mode =                             Off
           Flow =                             1.00

 0.000     off

           End
```

Chromeleon © Dionex Corporation, Version 6.80 SP3 Build 2345 (128616)

Title: Stop
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ
Timebase: ICS-8
Created: 3/11/2008 4:10:47 PM by Test America Labs
Changed: 3/11/2008 4:10:47 PM by Test America Labs

No.	Channel	Operation	Parameters

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Blank Run Subtraction: No Blank Run Subtraction

Detection Table:

No.	Ret. Time [min]	Param. Name	Param. Value	Channel
1	0.000	Minimum Area	0.5E-3 "[Signal]*min"	All Channels
2	0.000	Sensitivity	0.8E-3 "[Signal]"	All Channels
3	0.000	Inhibit Integration	On	All Channels
4	0.000	Valley to Valley	On	All Channels
5	0.000	Fronting Sensitivity Factor	5.0	All Channels
6	0.000	Tailing Sensitivity Factor	6.0	All Channels
7	1.500	Void Volume Treatment	On	All Channels
8	1.500	Inhibit Integration	Off	All Channels
9	1.800	Void Volume Treatment	Off	All Channels
10	2.000	Maximum Width	0.75 min	All Channels
11	8.200	Inhibit Integration	On	All Channels
12	11.000	Inhibit Integration	Off	All Channels

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Group	Comment	Amount BLK	Amount cal1
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*		*Autogenerated*	*0.000000*	*0.200000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Amount cal2	Amount cal3	Amount cal4	Amount cal5	Amount cal6
1	*Fluoride*	*1.900 min*	*0.500000*	*1.000000*	*4.000000*	*8.000000*	*10.000000*
2	Acetate	2.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
3	Chloride	3.300 min	2.500000	5.000000	20.000000	40.000000	50.000000
4	Nitrite	3.800 min	0.500000	1.000000	4.000000	8.000000	10.000000
5	Bromide	6.300 min	0.500000	1.000000	4.000000	8.000000	10.000000
6	Nitrate	7.000 min	0.500000	1.000000	4.000000	8.000000	10.000000
7	Sulfate	11.400 min	2.500000	5.000000	20.000000	40.000000	50.000000
8	Ortho as P	12.600 min	0.500000	1.000000	4.000000	8.000000	10.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Left Limit	Right Limit	Group	Resp.Fact.
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*	*0.000*	*0.000*		*1.000000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Comment
1	*Fluoride*	*1.900 min*	*Autogenerated*
2	Acetate	2.700 min	Autogenerated
3	Chloride	3.300 min	Autogenerated
4	Nitrite	3.800 min	Autogenerated
5	Bromide	6.300 min	Autogenerated
6	Nitrate	7.000 min	Autogenerated
7	Sulfate	11.400 min	Autogenerated
8	Ortho as P	12.600 min	Autogenerated

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Smp.No.	Pos.	Inj. Vol.	Weight	ISTD Amount	Dil. Factor	Inj. Date/Time	Sample Comment
1	☒	cal1	2	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:31:	EMK
2	☒	cal2	3	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:47:	EMK
3	☒	cal3	4	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:04:	EMK
4	☒	cal4	5	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:21:	EMK
5	☒	cal5	6	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:38:	EMK
6	☒	cal6	7	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:55:	EMK

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Calib.	Comment
1	☒	cal1	Ok	
2	☒	cal2	Ok	
3	☒	cal3	Ok	
4	☒	cal4	Ok	
5	☒	cal5	Ok	
6	☒	cal6	Ok	

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Sample Condition	Test Condition	Aggregate	Operator	Value	Channel	Peak	N.A.
1									

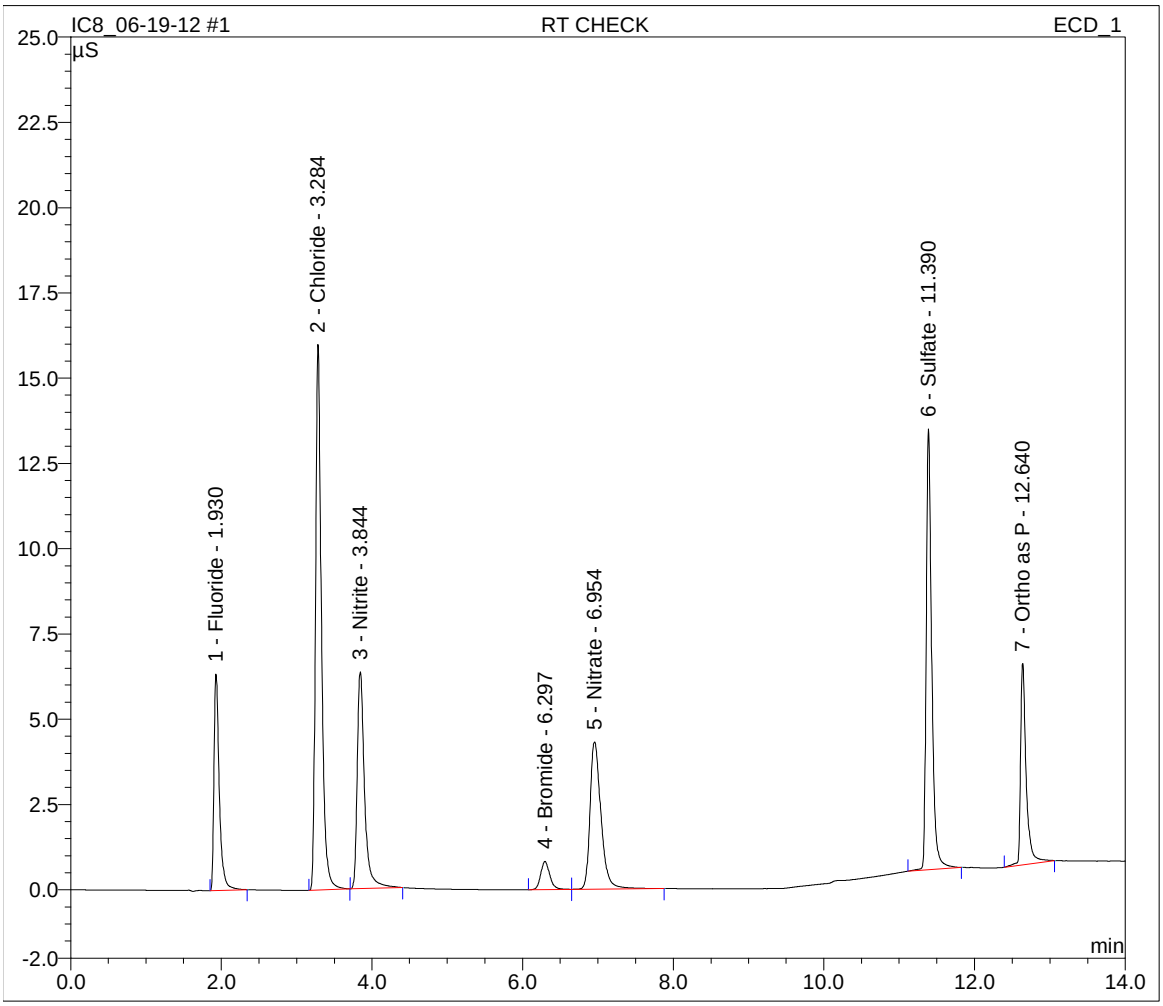
Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Fail-Action	Result	SST Message	Rounding
1					

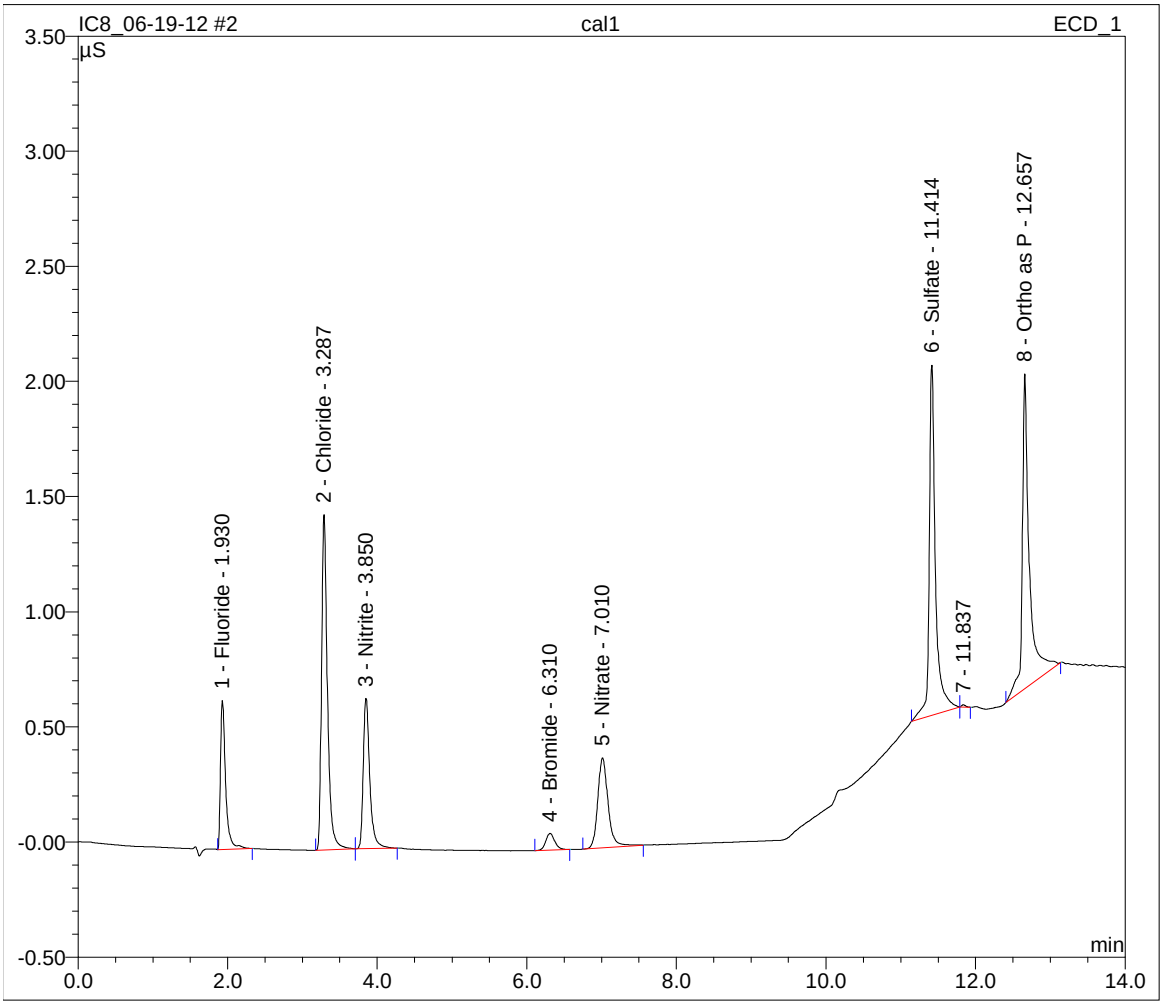
Sample Name:	**RT CHECK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.351	2.1852
2	3.28	Chloride	BMB	1.472	15.998	10.8467
3	3.84	Nitrite	BMB	0.714	6.365	1.9734
4	6.30	Bromide	BMB	0.115	0.825	2.0316
5	6.95	Nitrate	bMB	0.726	4.315	2.1359
6	11.39	Sulfate	BMB	1.098	12.924	10.0120
7	12.64	Ortho as P	BMB	0.504	5.904	2.0466
TOTAL:				5.14	52.68	31.23



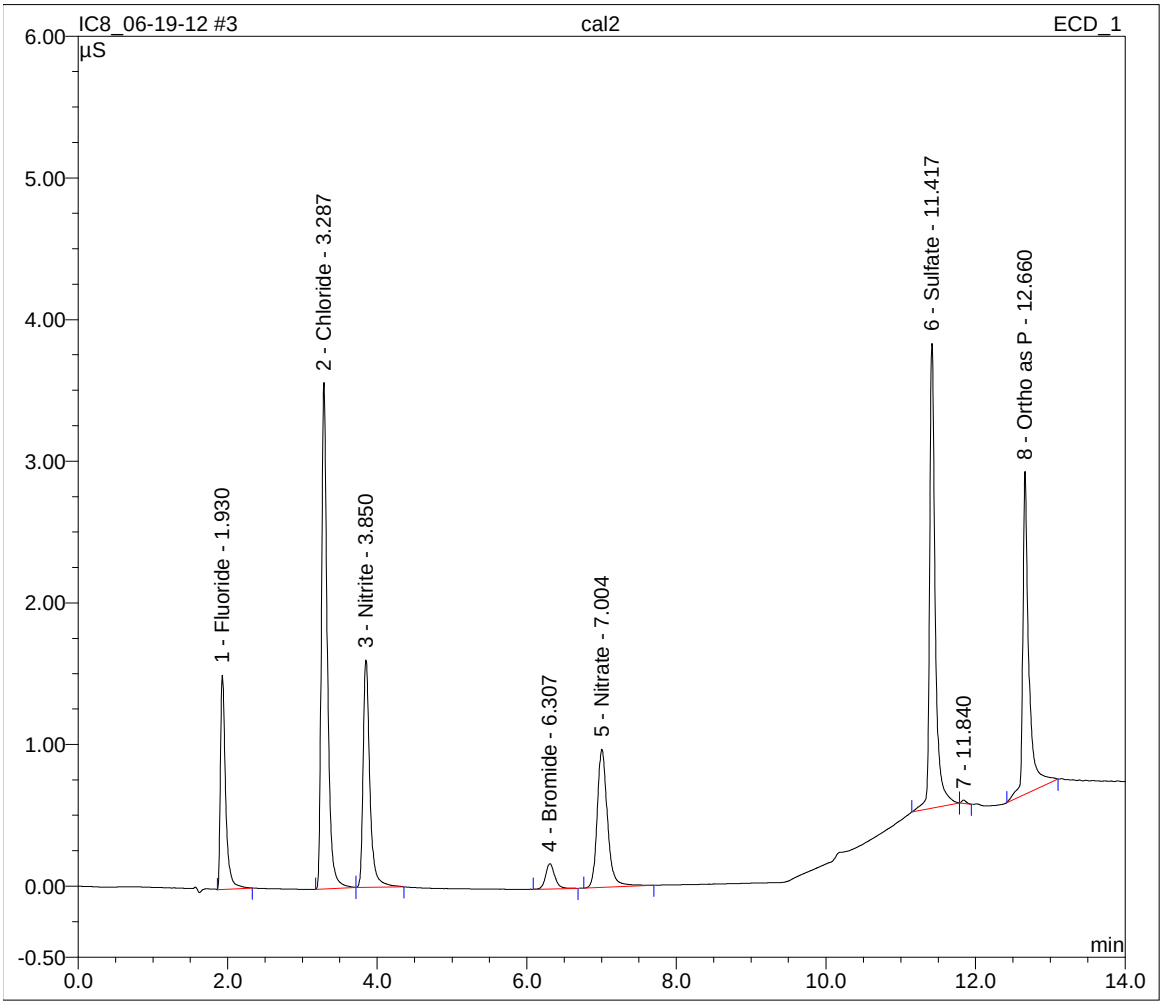
Sample Name:	**cal1**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:31**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.051	0.646	0.1970
2	3.29	Chloride	BMb	0.133	1.457	1.0400
3	3.85	Nitrite	bMB	0.066	0.652	0.2124
4	6.31	Bromide	BMB	0.010	0.073	0.2222
5	7.01	Nitrate	BMB	0.062	0.391	0.2154
6	11.41	Sulfate	BMb	0.146	1.521	1.0815
8	12.66	Ortho as P	BMB	0.151	1.367	0.1743
		TOTAL:		0.62	6.11	3.14



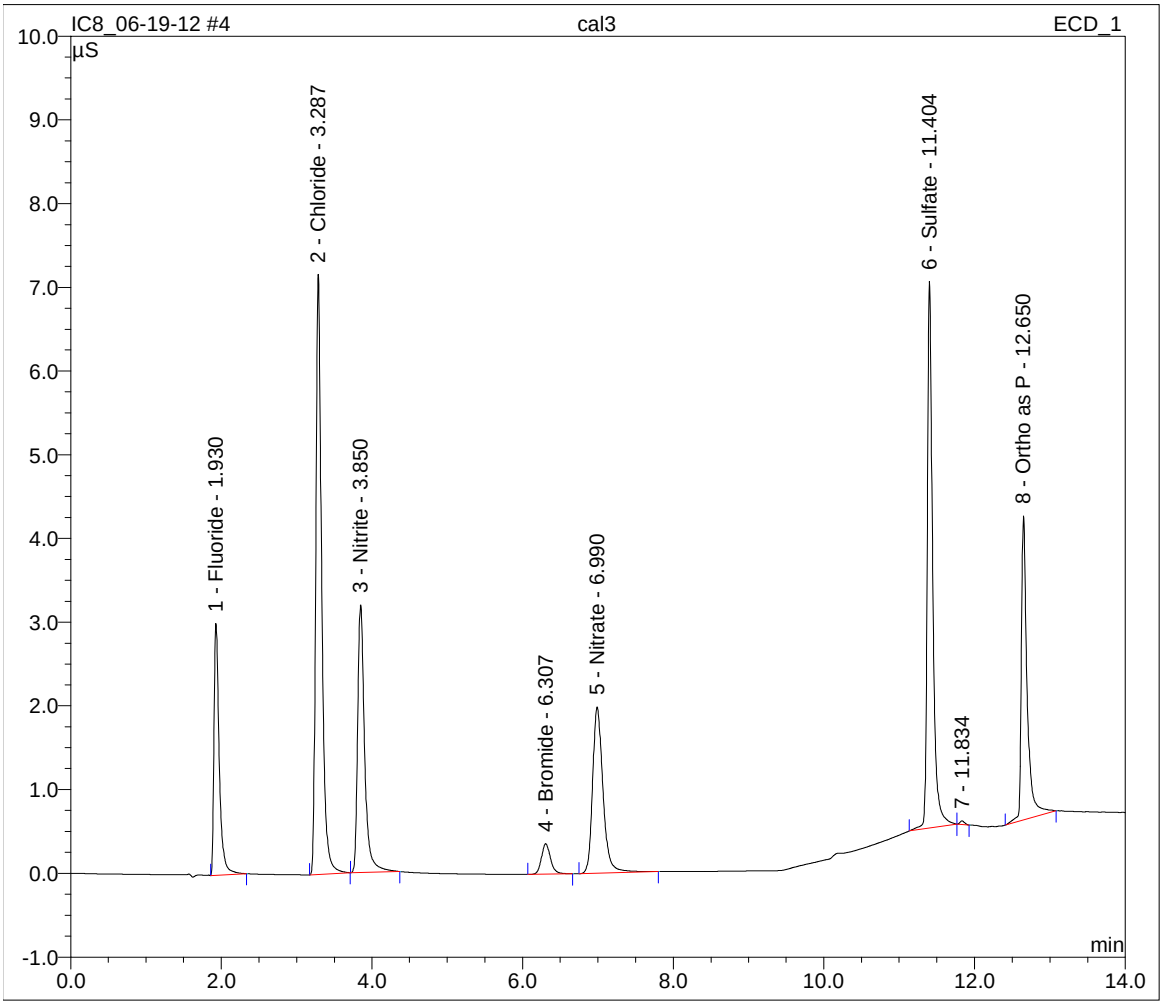
Sample Name:	**cal2**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.120	1.512	0.4922
2	3.29	Chloride	BMB	0.327	3.574	2.4601
3	3.85	Nitrite	BMB	0.167	1.604	0.4861
4	6.31	Bromide	BMB	0.025	0.178	0.4845
5	7.00	Nitrate	BMB	0.155	0.975	0.4831
6	11.42	Sulfate	BMb	0.284	3.282	2.3745
8	12.66	Ortho as P	BMB	0.216	2.278	0.5210
		TOTAL:		1.29	13.40	7.30



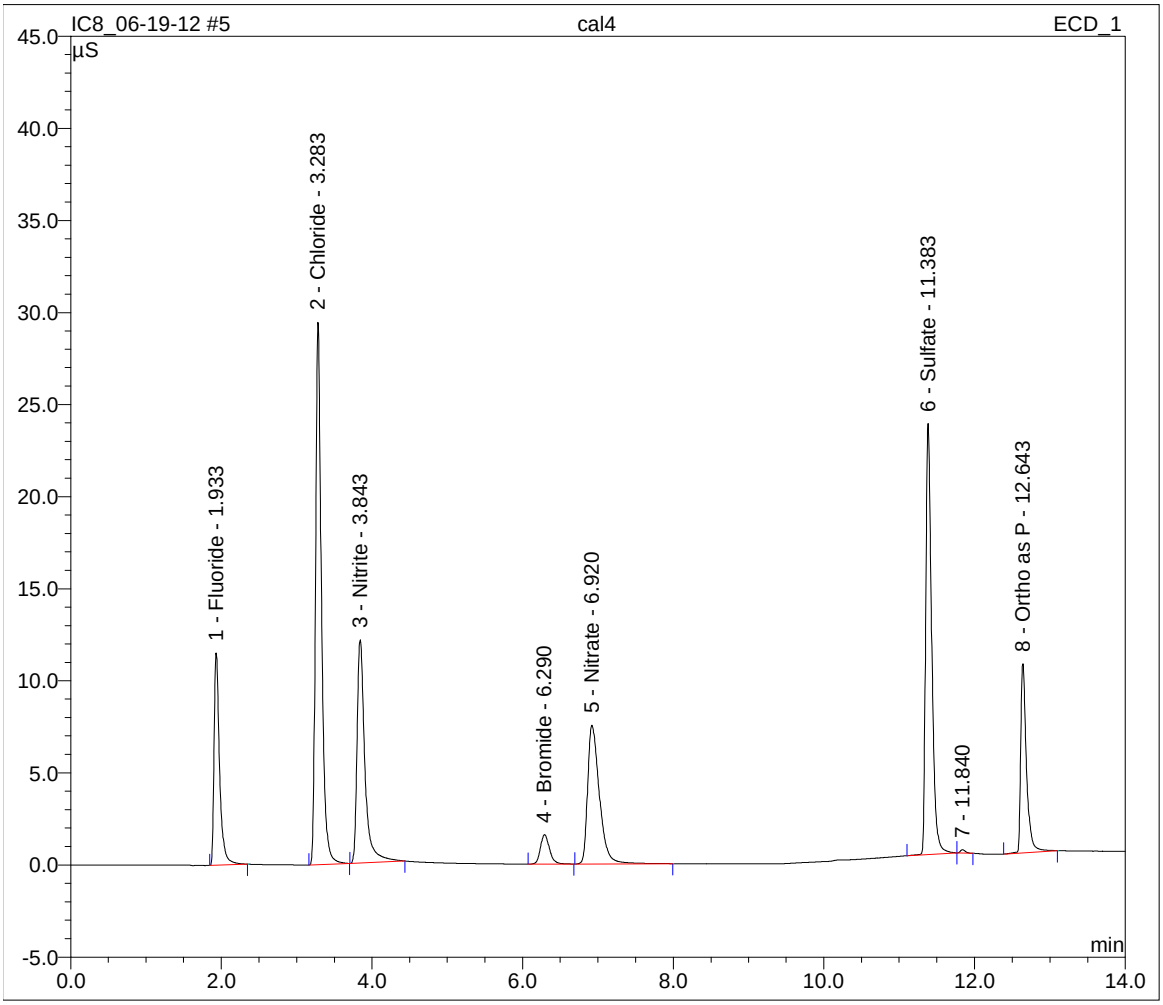
Sample Name:	**cal3**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.241	3.009	1.0119
2	3.29	Chloride	BMB	0.657	7.169	4.8803
3	3.85	Nitrite	BMB	0.341	3.199	0.9611
4	6.31	Bromide	BMB	0.051	0.365	0.9278
5	6.99	Nitrate	BMB	0.319	1.985	0.9575
6	11.40	Sulfate	BMb	0.545	6.532	4.8185
8	12.65	Ortho as P	BMB	0.320	3.633	1.0722
		TOTAL:		2.47	25.89	14.63



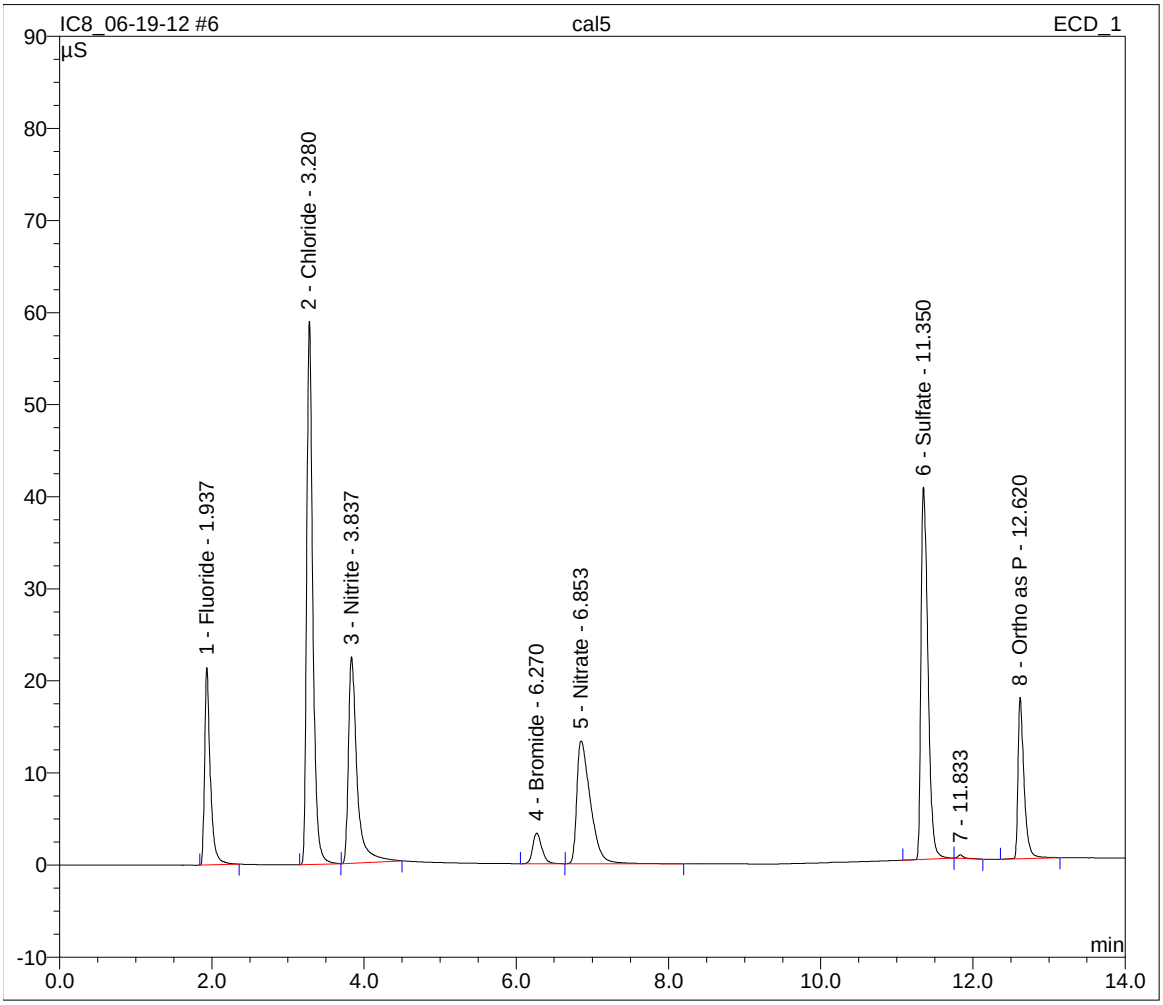
Sample Name:	**cal4**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.966	11.542	4.1247
2	3.28	Chloride	BMB	2.709	29.464	19.9102
3	3.84	Nitrite	BMB	1.456	12.120	3.9932
4	6.29	Bromide	BMB	0.223	1.604	3.8991
5	6.92	Nitrate	BMB	1.357	7.526	3.9629
6	11.38	Sulfate	BMb	2.162	23.410	20.0013
8	12.64	Ortho as P	BMB	0.901	10.280	4.1462
TOTAL:				9.77	95.95	60.04



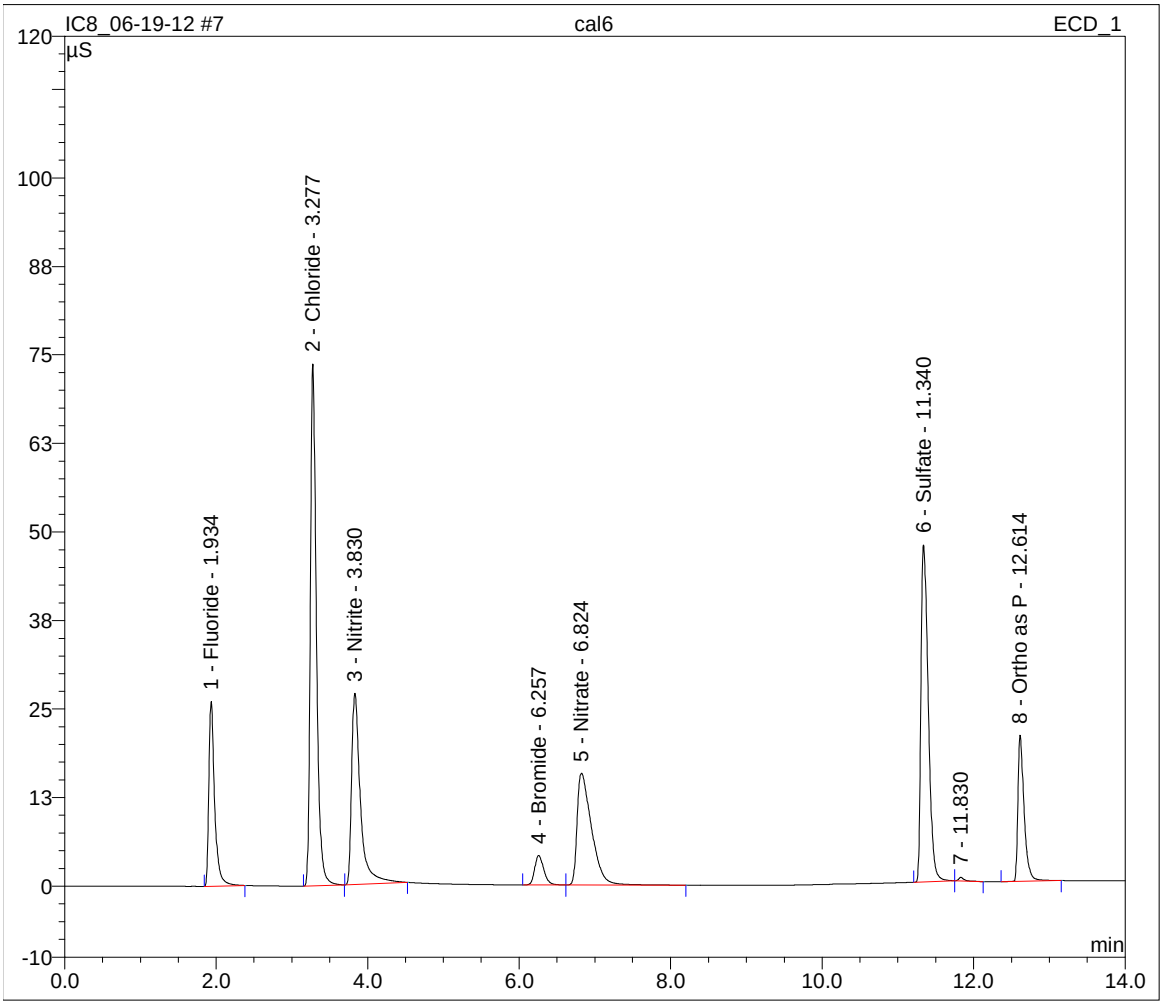
Sample Name:	**cal5**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	1.868	21.466	8.0002
2	3.28	Chloride	BMB	5.457	59.008	40.0443
3	3.84	Nitrite	BMB	2.954	22.426	8.0660
4	6.27	Bromide	BMB	0.462	3.324	8.0345
5	6.85	Nitrate	BMB	2.759	13.322	8.0199
6	11.35	Sulfate	BMb	4.302	40.425	40.0890
8	12.62	Ortho as P	BMB	1.622	17.507	7.9642
		TOTAL:		19.42	177.48	120.22



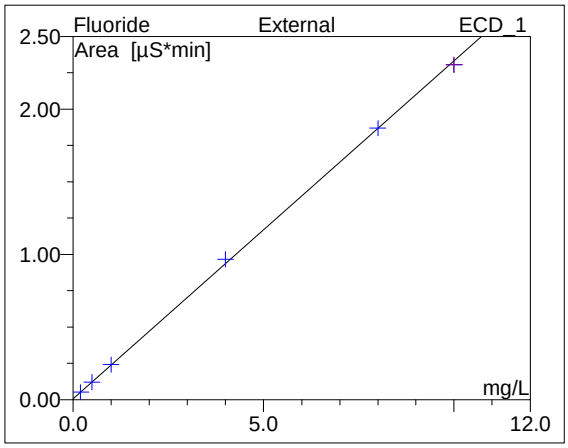
Sample Name:	**cal6**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:55**	*Run Time:*	**14.00**

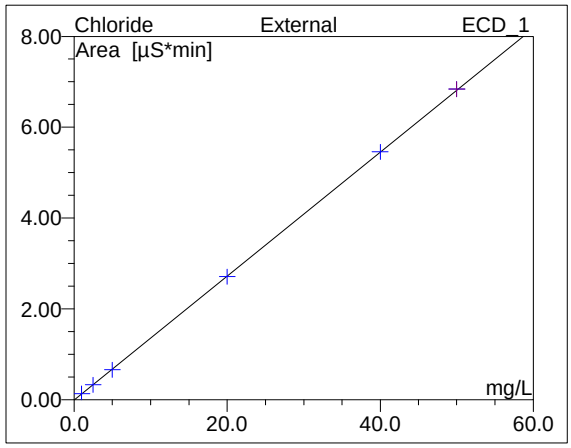
No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	2.304	26.065	9.8741
2	3.28	Chloride	BMB	6.838	73.679	50.1651
3	3.83	Nitrite	BMB	3.658	26.975	9.9812
4	6.26	Bromide	BMB	0.583	4.171	10.1319
5	6.82	Nitrate	BMB	3.465	15.767	10.0612
6	11.34	Sulfate	BMb	5.373	47.566	50.1352
8	12.61	Ortho as P	BMB	1.973	20.624	9.8221
		TOTAL:		24.19	214.85	150.17

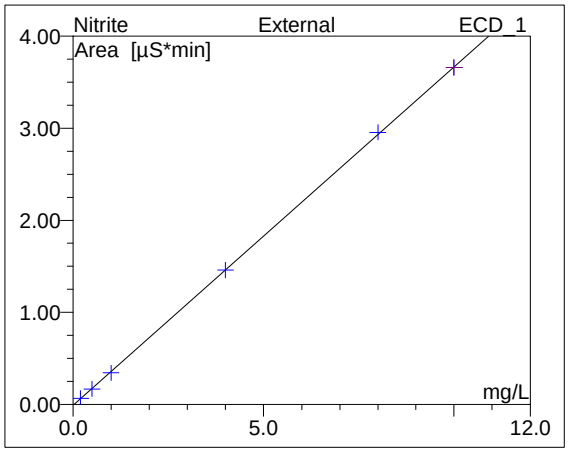


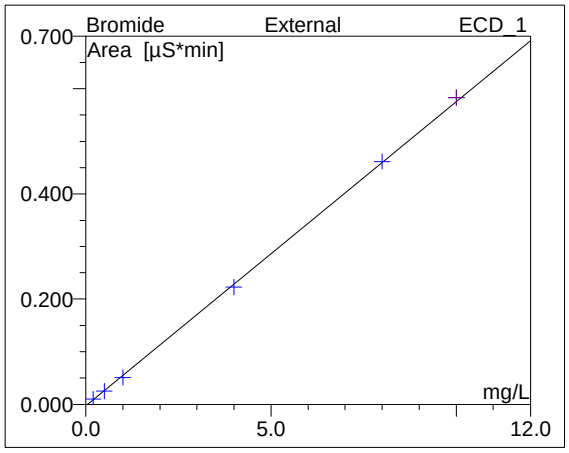
Calibration Batch Report

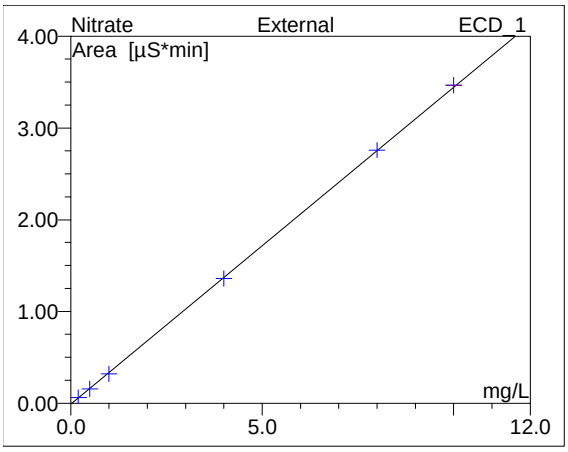
Sequence:	**IC8_06-19-12**	Inj. Vol.:	**10.0**
Program:	**7 Anion**	Operator:	**DENPC241**
Inj. Date/Time:	**06/18/12 14:55**	Run Time:	**14.00**

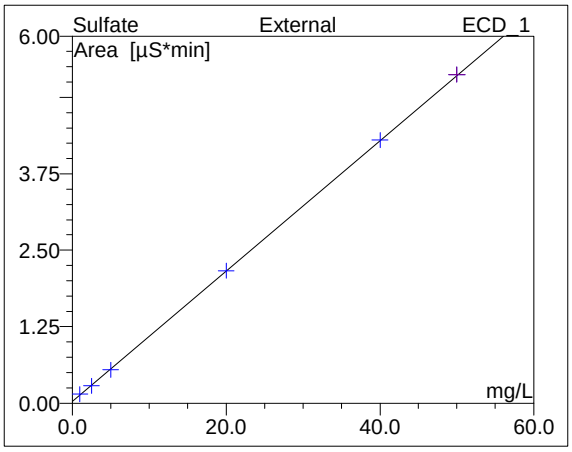




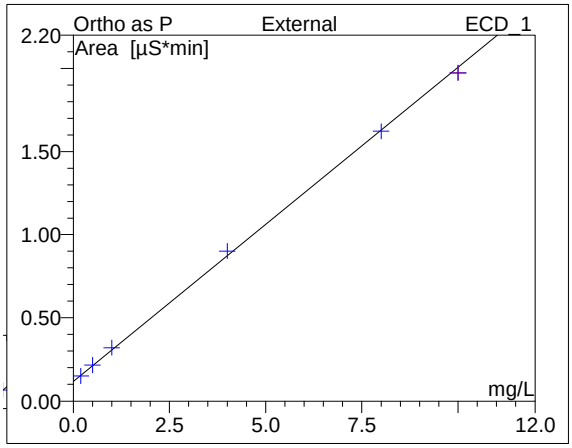








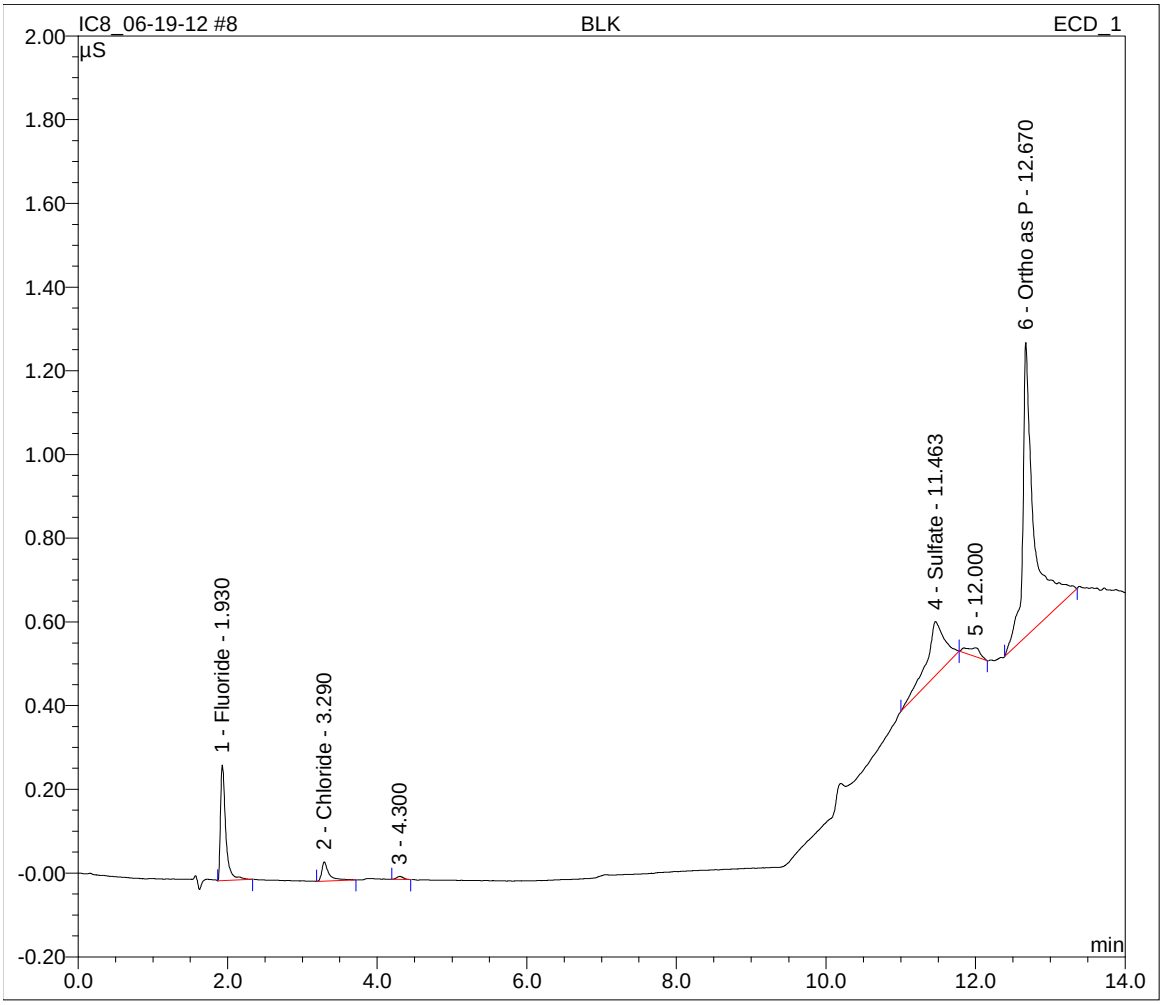
Program:	**7 Anion**	*Operator:*	**n.a.**
Ini. Date/Time:	**06/18/12 14:55**	*Run Time:*	**14.00**



No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
1	1.93	Fluoride	XLOff	6	0.005	0.233	0.000	99.985
2	3.28	Chloride	XLOff	6	-0.009	0.136	0.000	99.997
3	3.83	Nitrite	XLOff	6	-0.012	0.368	0.000	99.992
4	6.26	Bromide	XLOff	6	-0.003	0.058	0.000	99.968
5	6.82	Nitrate	XLOff	6	-0.012	0.346	0.000	99.989
6	11.34	Sulfate	XLOff	6	0.031	0.107	0.000	99.990
8	12.61	Ortho as P	XLOff	6	0.118	0.189	0.000	99.954
AVERAGE:					0.0169	0.2051	0.0000	99.9819

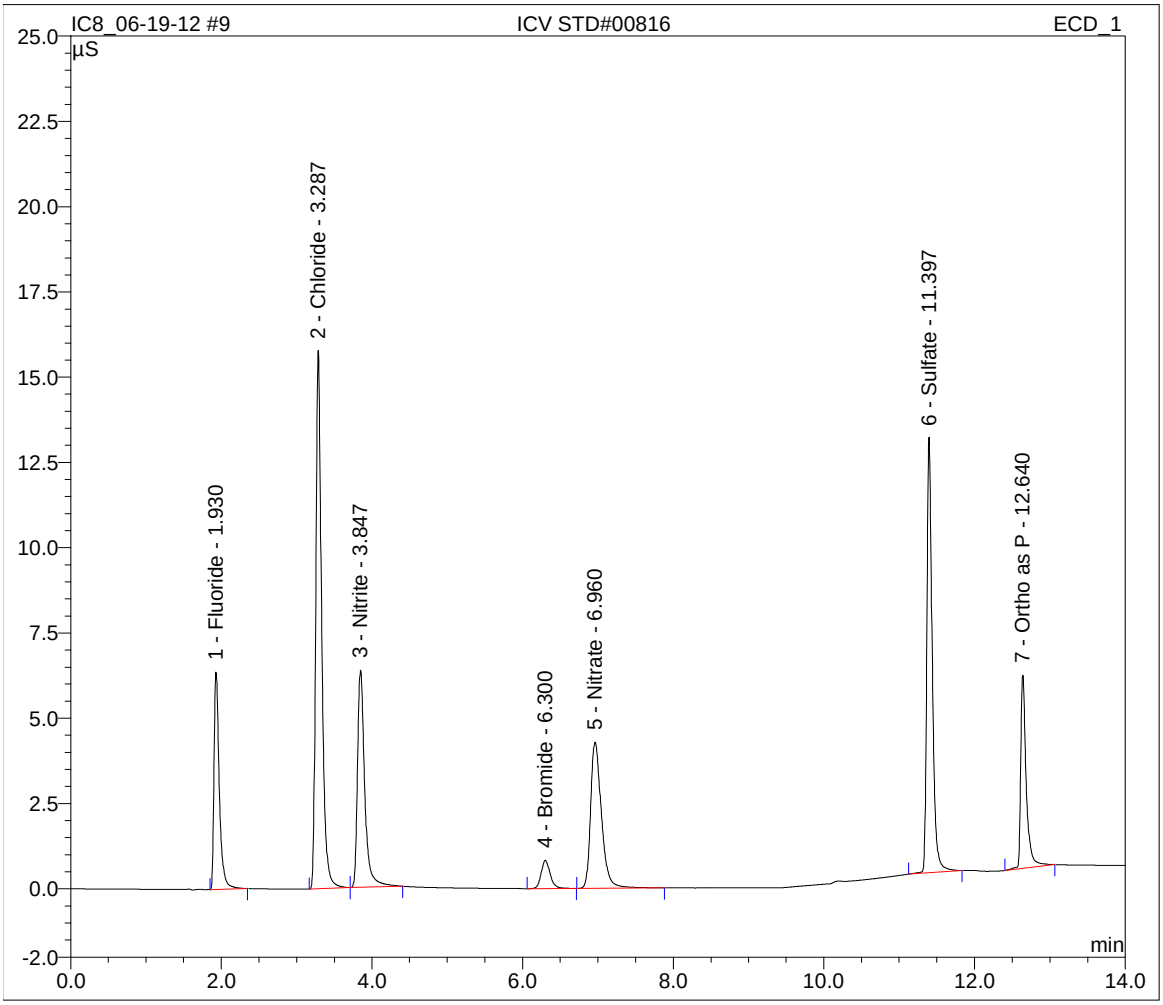
Sample Name:	**BLK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.022	0.276	0.0725
2	3.29	Chloride	BMB	0.005	0.046	0.1031
4	11.46	Sulfate	BMb	0.036	0.129	0.0502
6	12.67	Ortho as P	BMB	0.125	0.703	0.0382
		TOTAL:		0.19	1.15	0.26



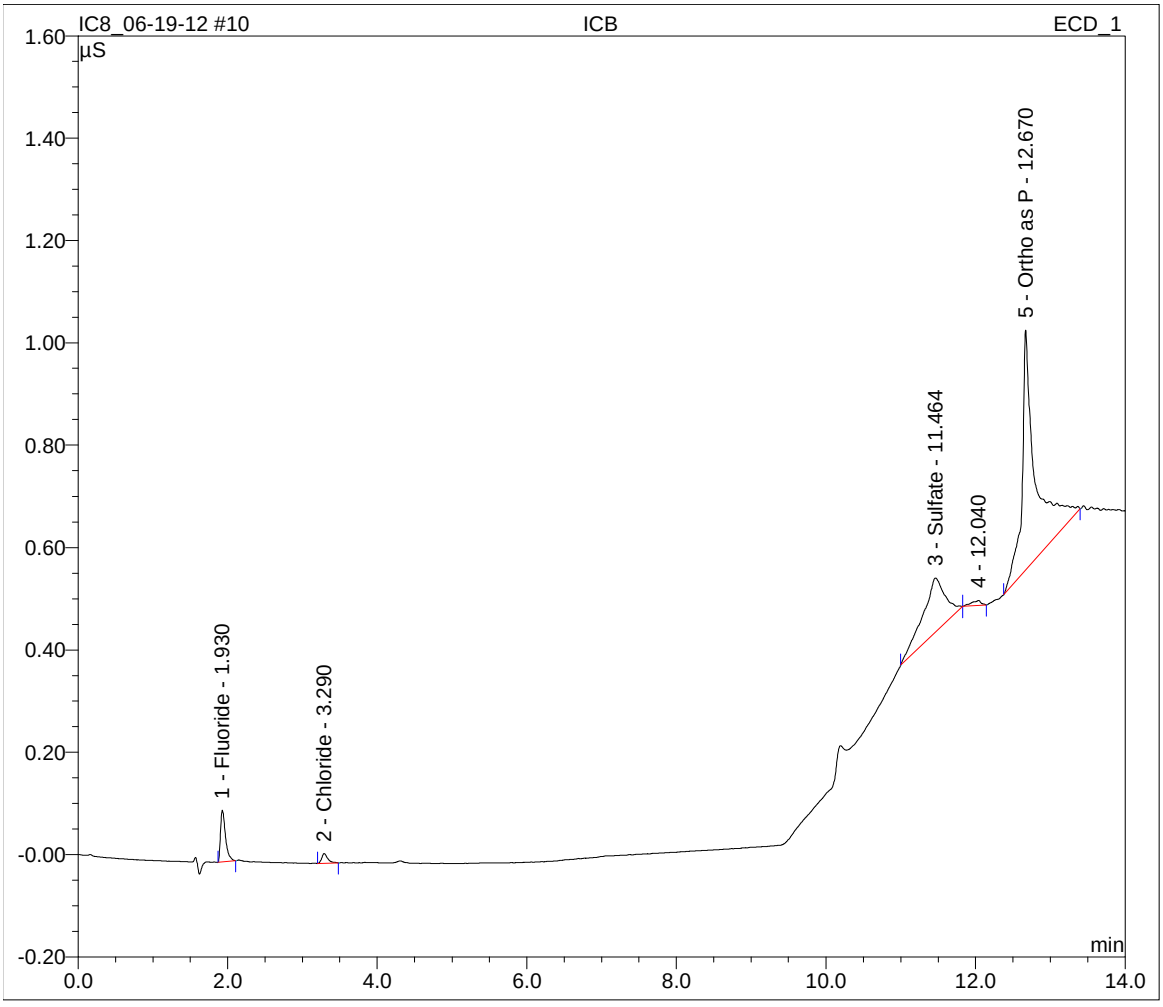
Sample Name:	**ICV STD#00816**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.382	2.1868
2	3.29	Chloride	BMB	1.448	15.777	10.6712
3	3.85	Nitrite	BMB	0.706	6.368	1.9529
4	6.30	Bromide	BMB	0.115	0.825	2.0290
5	6.96	Nitrate	BMB	0.713	4.281	2.0989
6	11.40	Sulfate	BMB	1.070	12.766	9.7526
7	12.64	Ortho as P	BMB	0.474	5.668	1.8875
TOTAL:				5.04	52.07	30.58



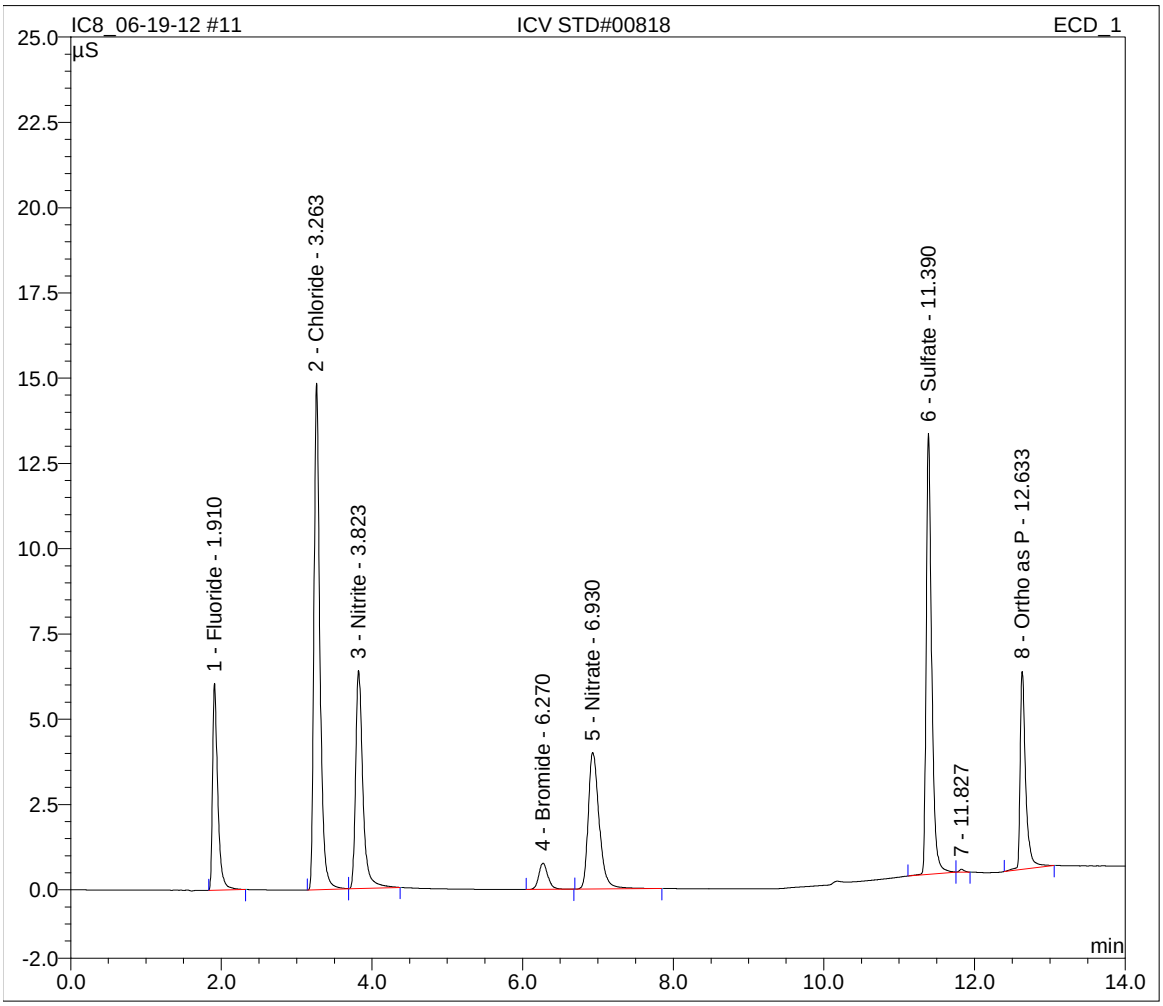
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.008	0.101	0.0103
2	3.29	Chloride	BMB	0.002	0.019	0.0781
3	11.46	Sulfate	BMb	0.037	0.106	0.0582
5	12.67	Ortho as P	BMB	0.100	0.469	-0.0954
		TOTAL:		0.15	0.69	0.05



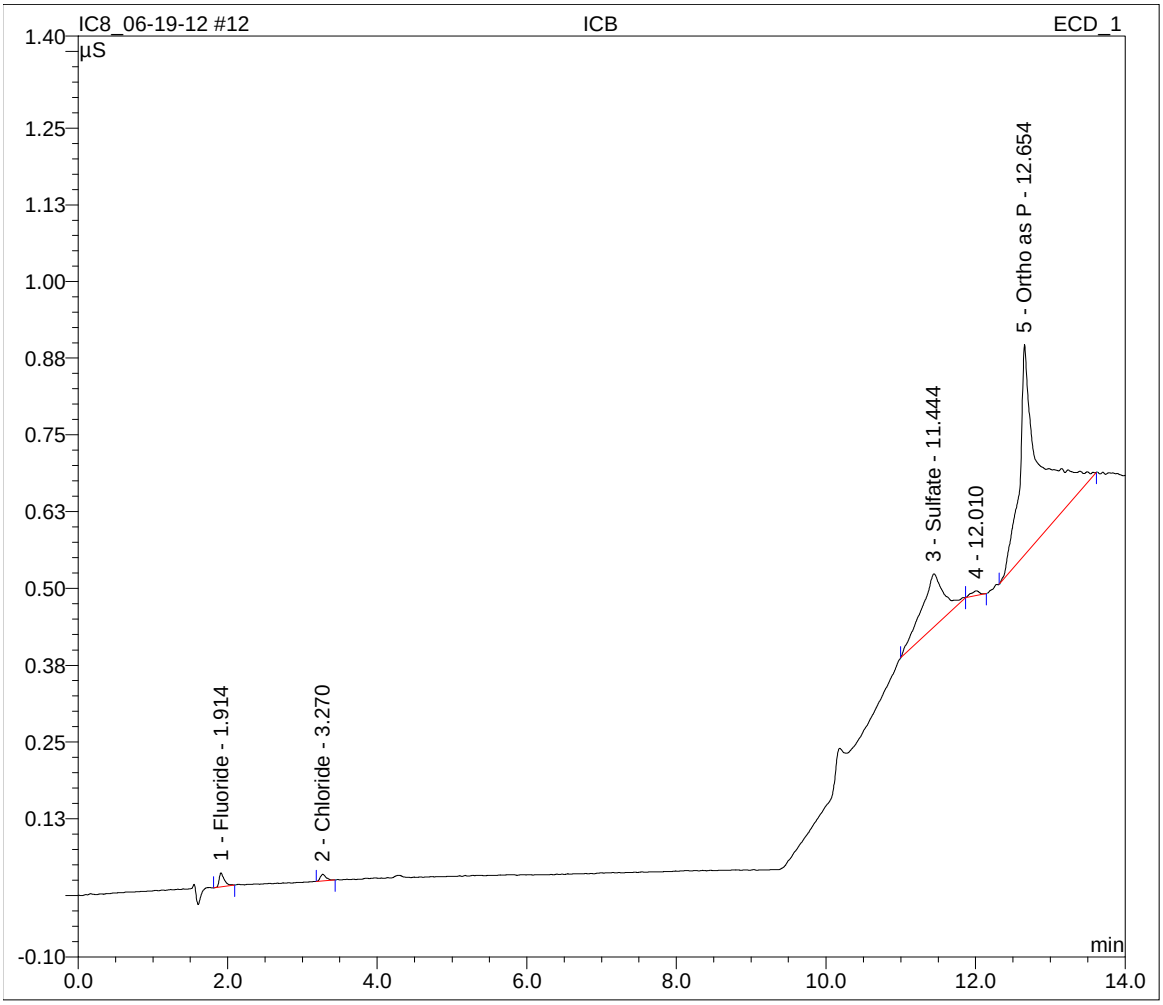
Sample Name:	**ICV STD#00818**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 09:18**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.488	6.067	2.0728
2	3.26	Chloride	BMB	1.363	14.849	10.0506
3	3.82	Nitrite	BMB	0.707	6.390	1.9563
4	6.27	Bromide	BMB	0.109	0.771	1.9248
5	6.93	Nitrate	BMB	0.675	4.004	1.9883
6	11.39	Sulfate	BMb	1.090	12.930	9.9355
8	12.63	Ortho as P	BMB	0.488	5.809	1.9622
		TOTAL:		4.92	50.82	29.89



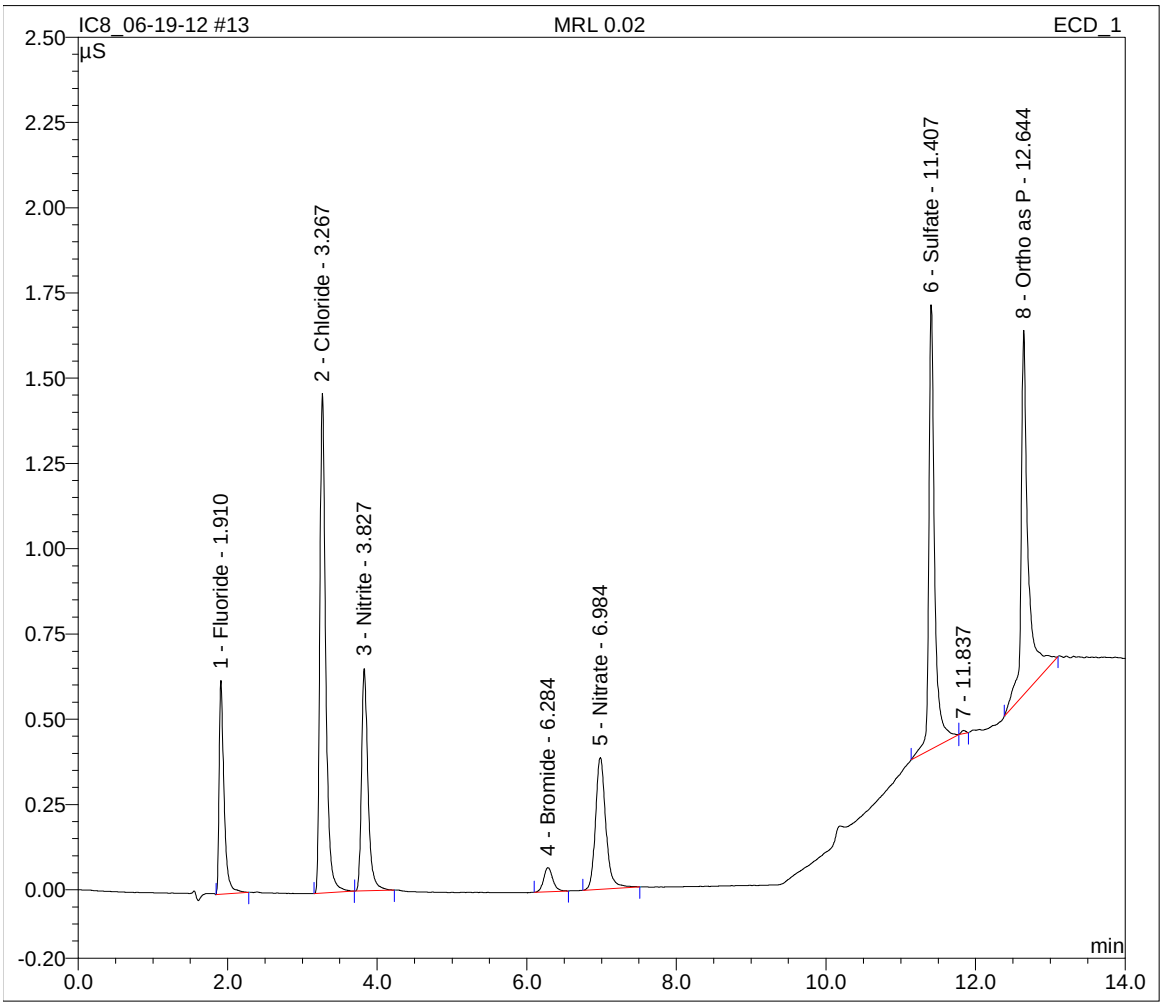
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 09:42**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.002	0.023	-0.0147
2	3.27	Chloride	BMB	0.001	0.011	0.0723
3	11.44	Sulfate	BMb	0.030	0.086	-0.0081
5	12.65	Ortho as P	BMB	0.109	0.343	-0.0459
		TOTAL:		0.14	0.46	0.00



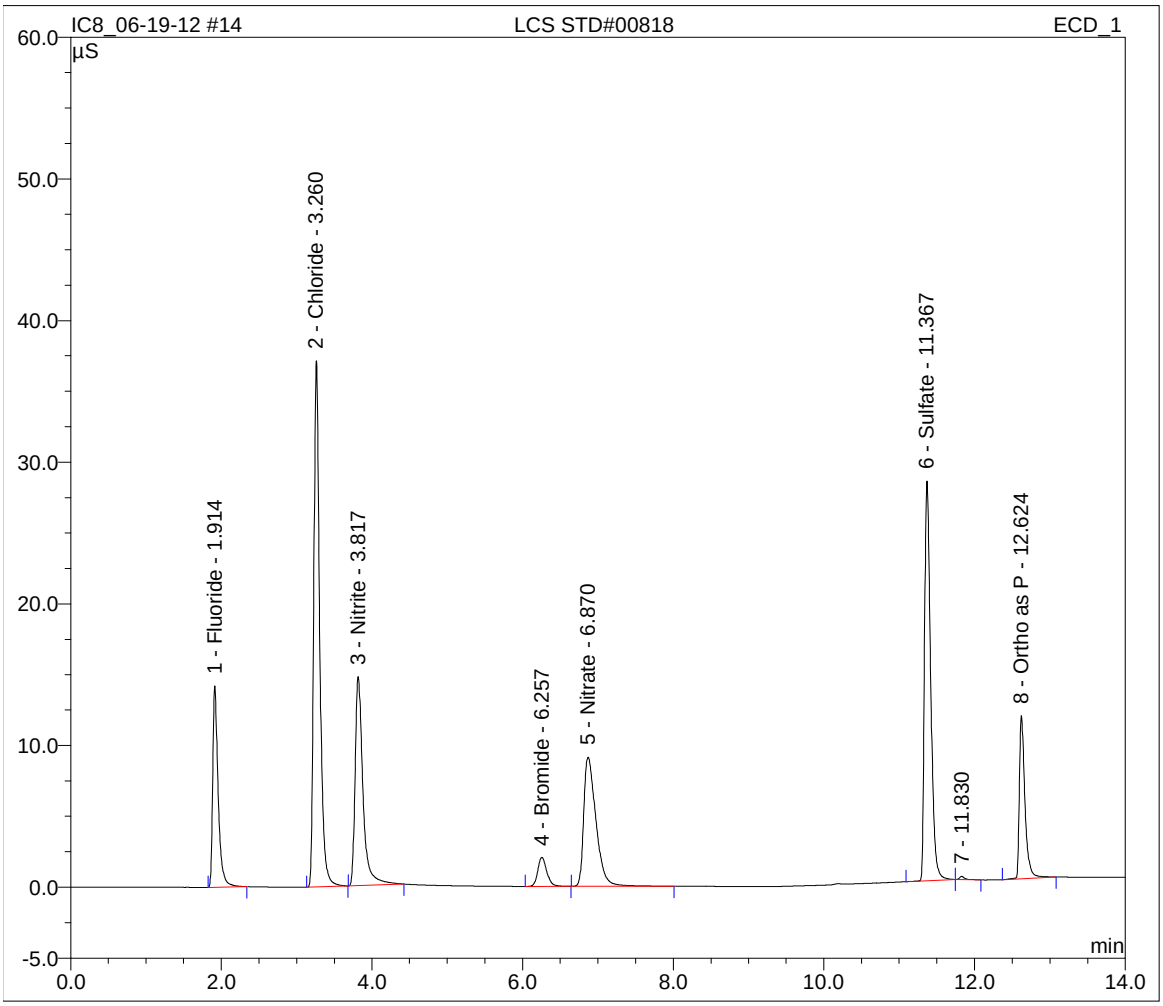
Sample Name:	**MRL 0.02**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 09:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.048	0.626	0.1847
2	3.27	Chloride	BMB	0.133	1.465	1.0411
3	3.83	Nitrite	BMB	0.065	0.652	0.2108
4	6.28	Bromide	BMB	0.010	0.071	0.2220
5	6.98	Nitrate	BMB	0.062	0.386	0.2129
6	11.41	Sulfate	BMB	0.116	1.303	0.7975
8	12.64	Ortho as P	BMB	0.118	1.068	-0.0013
TOTAL:				0.55	5.57	2.67



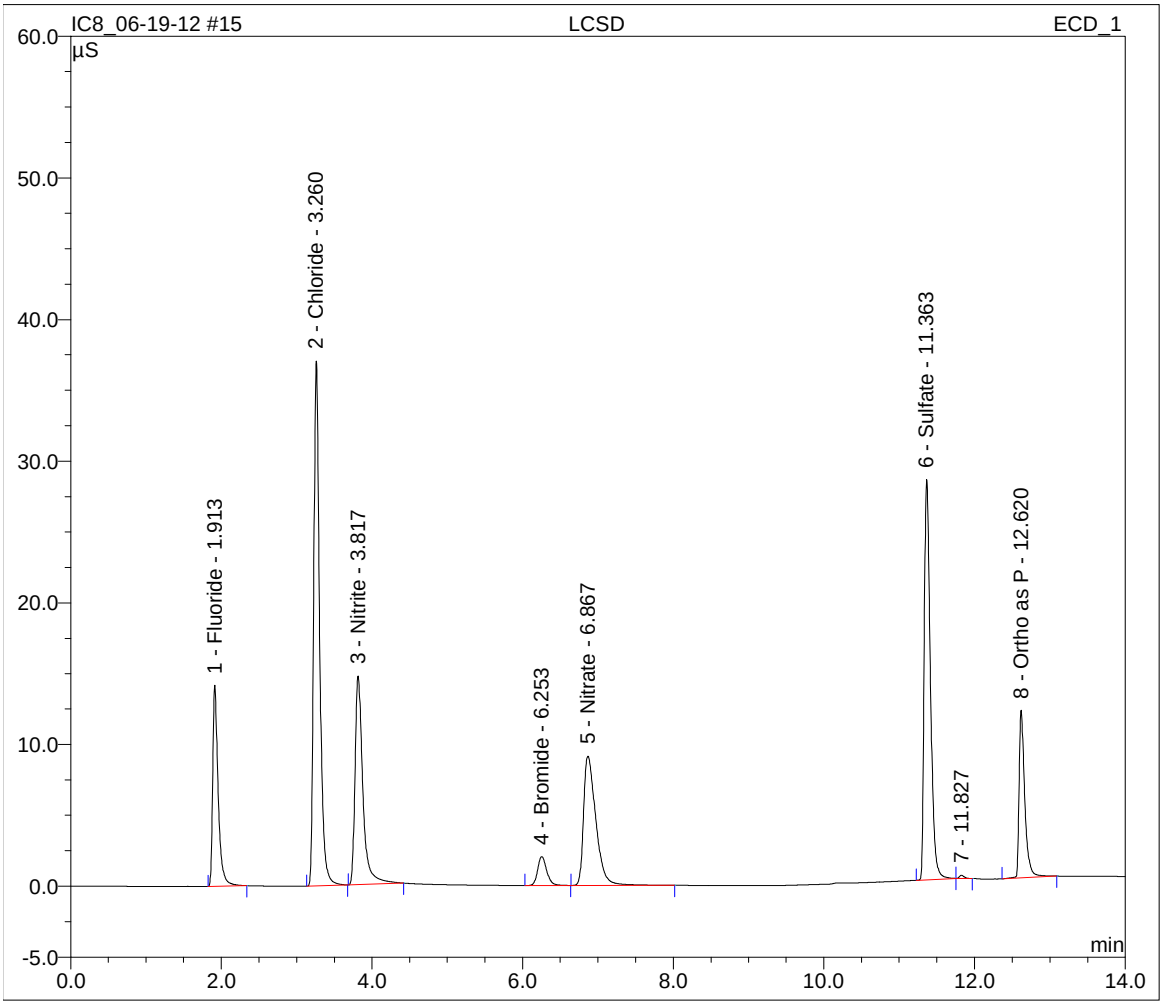
Sample Name:	**LCS STD#00818**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 10:16**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.187	14.199	5.0746
2	3.26	Chloride	BMB	3.415	37.126	25.0842
3	3.82	Nitrite	BMB	1.778	14.759	4.8673
4	6.26	Bromide	BMB	0.283	2.033	4.9475
5	6.87	Nitrate	BMB	1.712	9.108	4.9893
6	11.37	Sulfate	BMb	2.681	28.210	24.8685
8	12.62	Ortho as P	BMB	0.985	11.508	4.5912
		TOTAL:		12.04	116.94	74.42



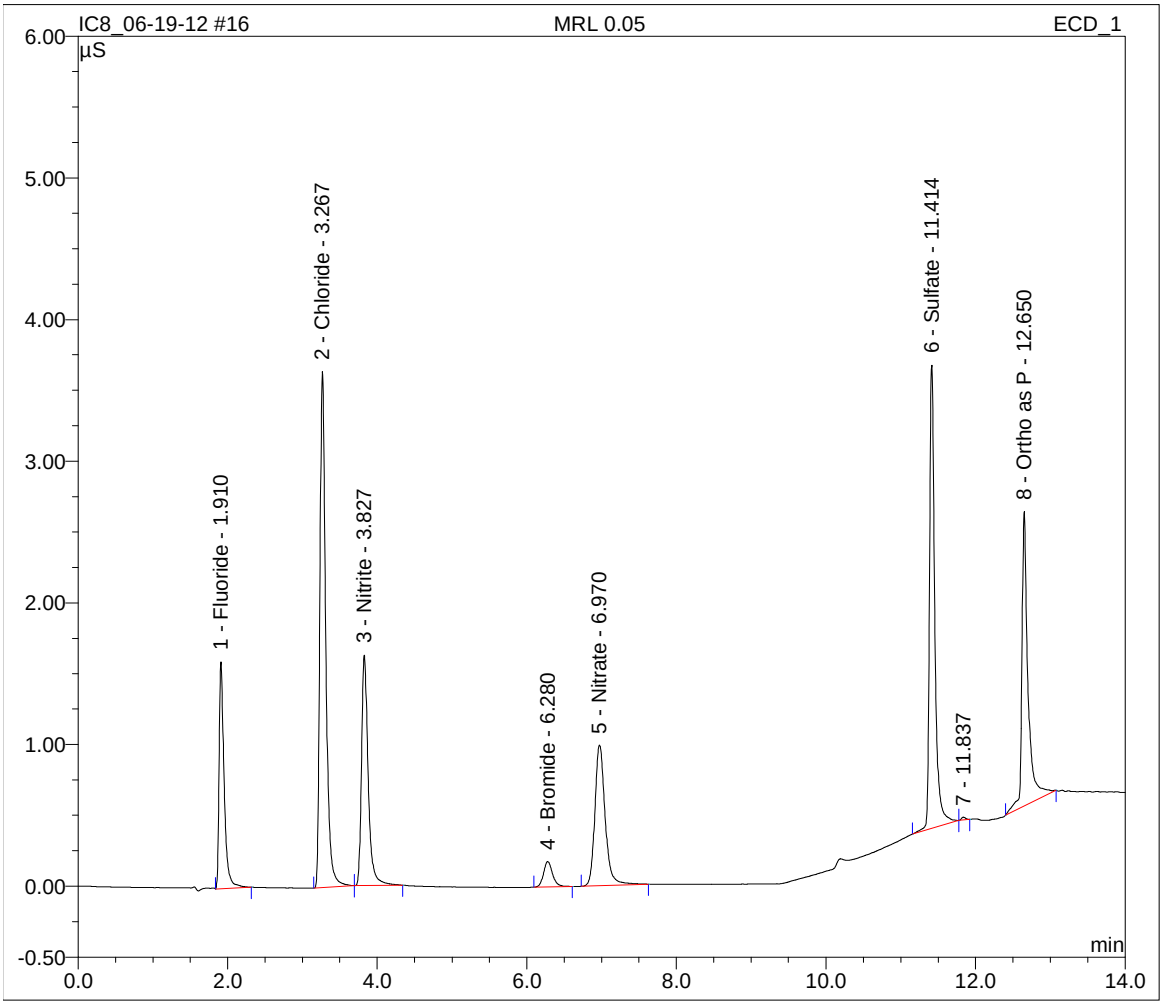
Sample Name:	**LCSD**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 10:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.187	14.180	5.0773
2	3.26	Chloride	BMB	3.406	37.046	25.0153
3	3.82	Nitrite	BMB	1.776	14.744	4.8613
4	6.25	Bromide	BMB	0.283	2.035	4.9497
5	6.87	Nitrate	BMB	1.716	9.116	5.0007
6	11.36	Sulfate	BMb	2.695	28.252	25.0007
8	12.62	Ortho as P	BMB	1.030	11.821	4.8289
		TOTAL:		12.09	117.19	74.73



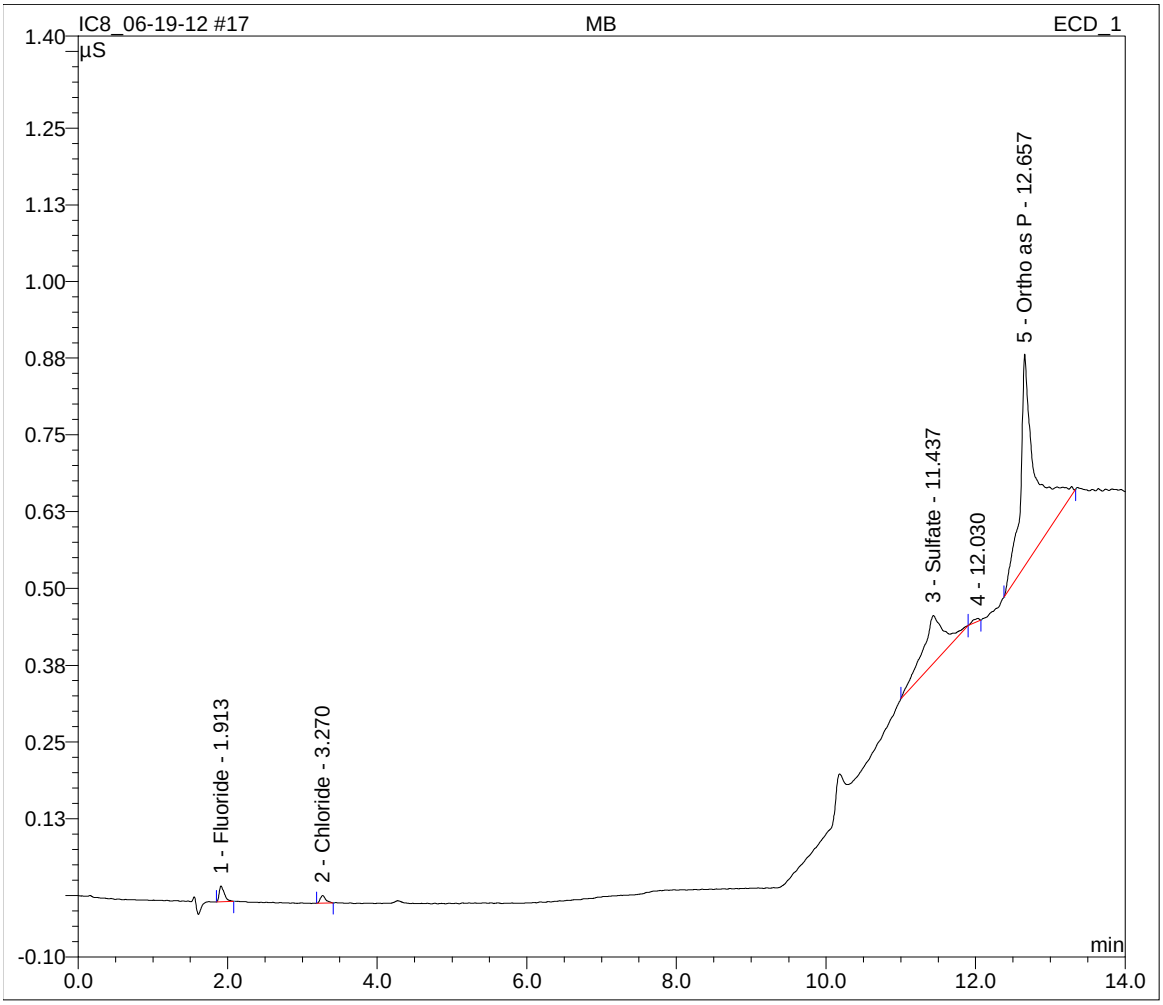
Sample Name:	**MRL 0.05**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 10:49**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.125	1.602	0.5151
2	3.27	Chloride	BMb	0.333	3.640	2.5078
3	3.83	Nitrite	bMB	0.168	1.629	0.4892
4	6.28	Bromide	BMB	0.025	0.179	0.4823
5	6.97	Nitrate	BMB	0.158	0.992	0.4920
6	11.41	Sulfate	BMB	0.267	3.270	2.2158
8	12.65	Ortho as P	BMB	0.196	2.078	0.4120
		TOTAL:		1.27	13.39	7.11



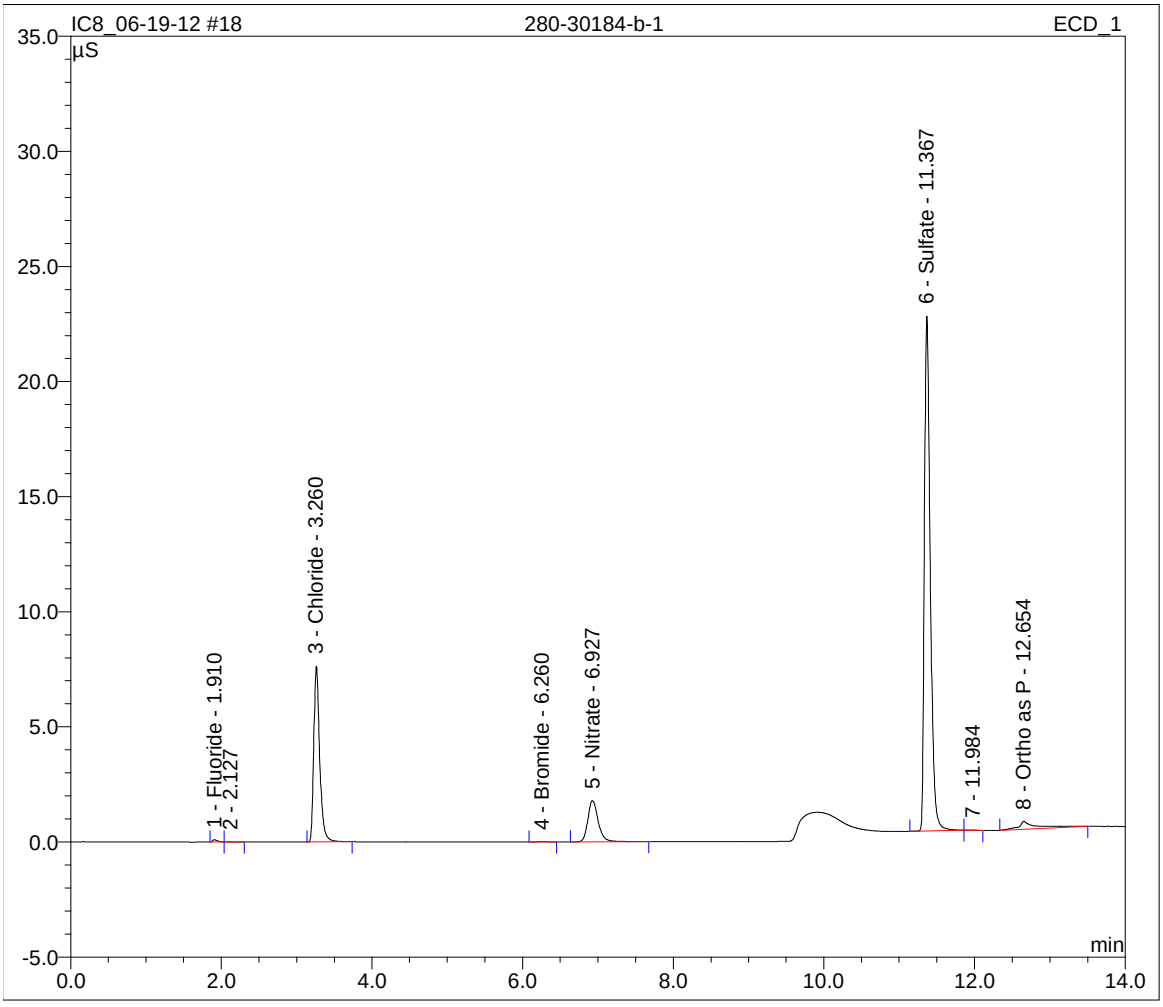
Sample Name:	**MB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 11:06**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.002	0.026	-0.0139
2	3.27	Chloride	BMB	0.001	0.012	0.0731
3	11.44	Sulfate	BMb	0.026	0.078	-0.0513
5	12.66	Ortho as P	BMB	0.083	0.344	-0.1848
		TOTAL:		0.11	0.46	-0.18



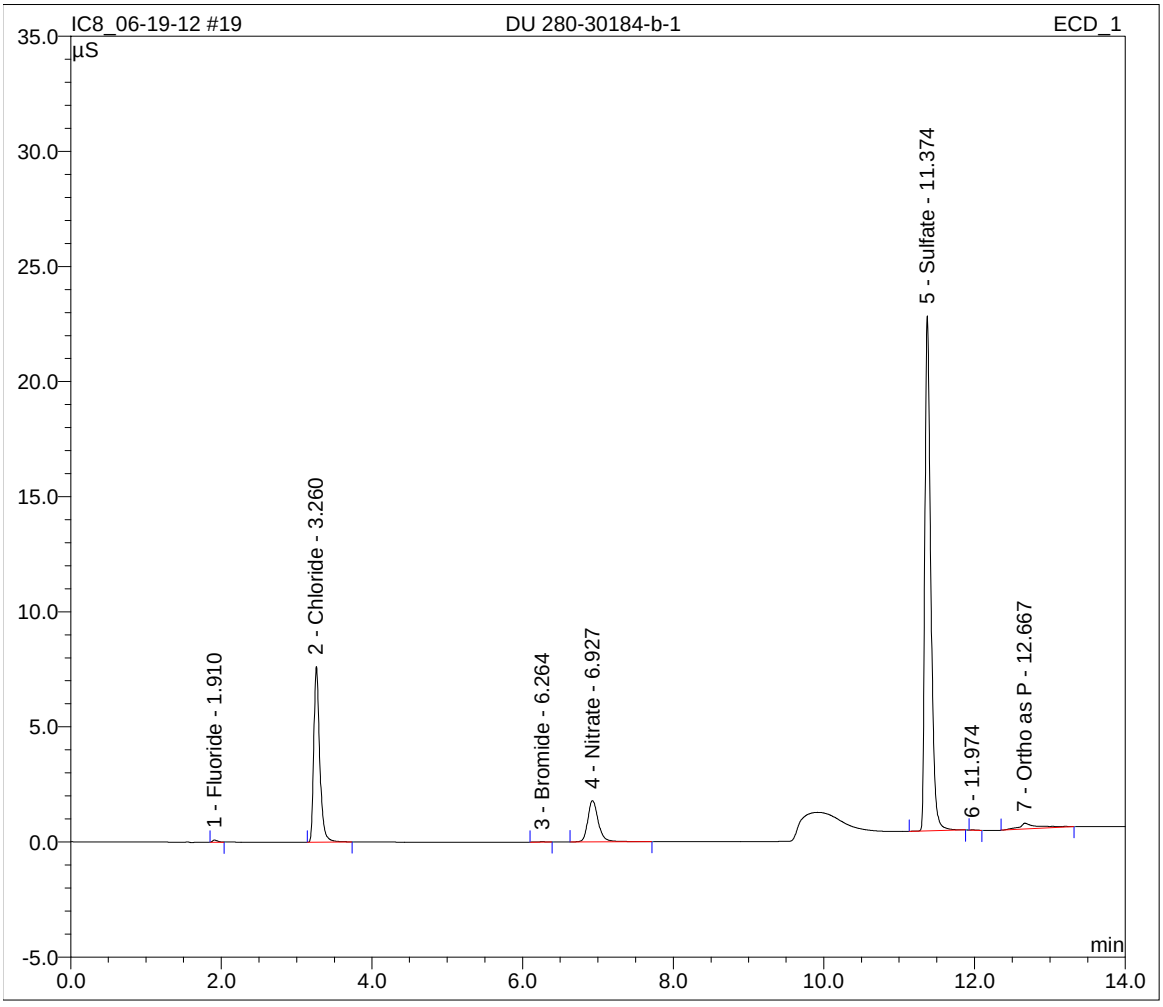
Sample Name:	**280-30184-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 11:23**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.007	0.101	0.0086
3	3.26	Chloride	BMB	0.699	7.643	5.1828
4	6.26	Bromide	BMB	0.002	0.014	0.0820
5	6.93	Nitrate	BMB	0.285	1.790	0.8594
6	11.37	Sulfate	BMB	2.026	22.368	18.7246
8	12.65	Ortho as P	BMB	0.095	0.344	-0.1202
		TOTAL:		3.11	32.26	24.74



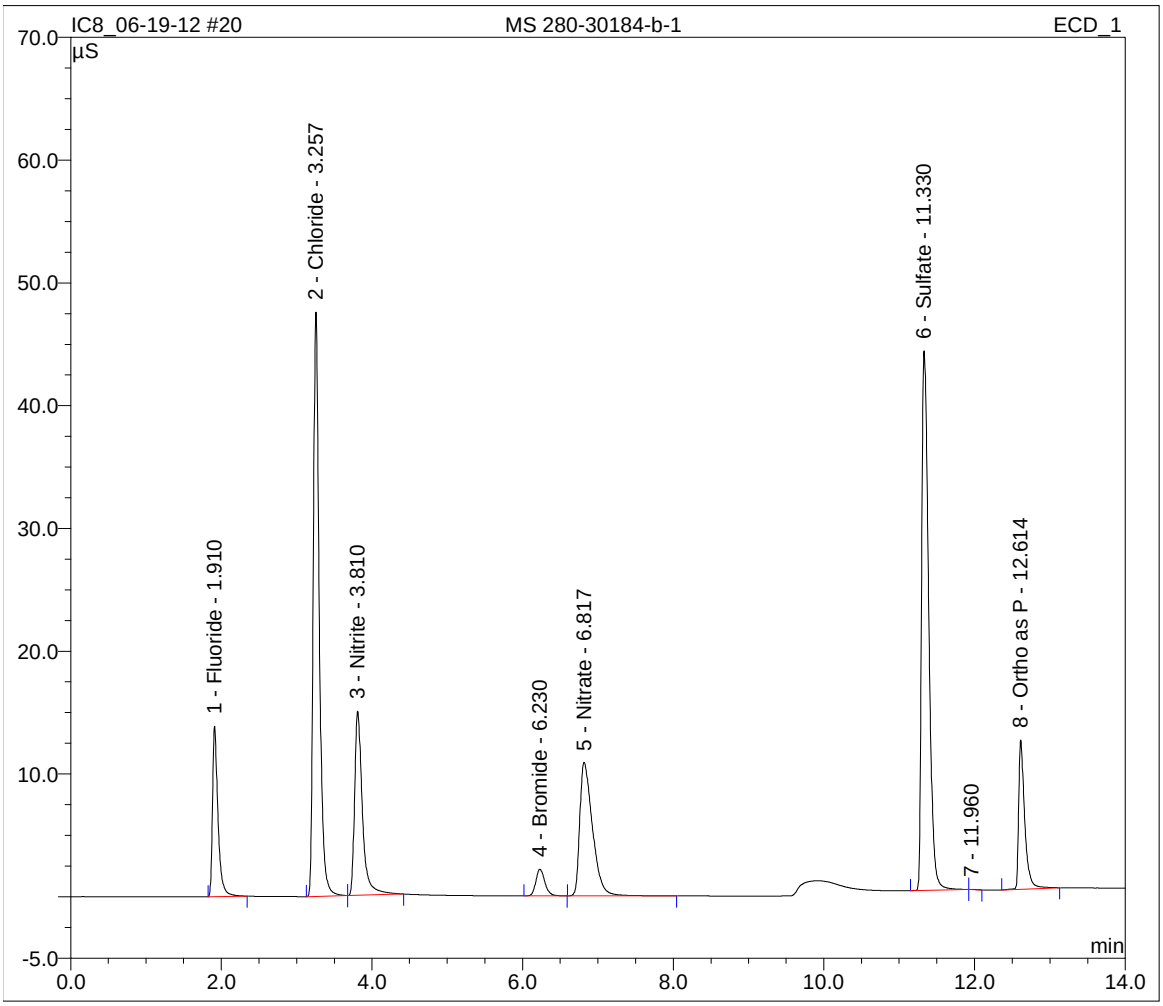
Sample Name:	**DU 280-30184-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 11:40**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.007	0.096	0.0071
2	3.26	Chloride	BMB	0.699	7.633	5.1871
3	6.26	Bromide	BMB	0.002	0.012	0.0753
4	6.93	Nitrate	BMB	0.286	1.790	0.8621
5	11.37	Sulfate	BMB	2.035	22.380	18.8112
7	12.67	Ortho as P	BMB	0.071	0.256	-0.2493
		TOTAL:		3.10	32.17	24.69



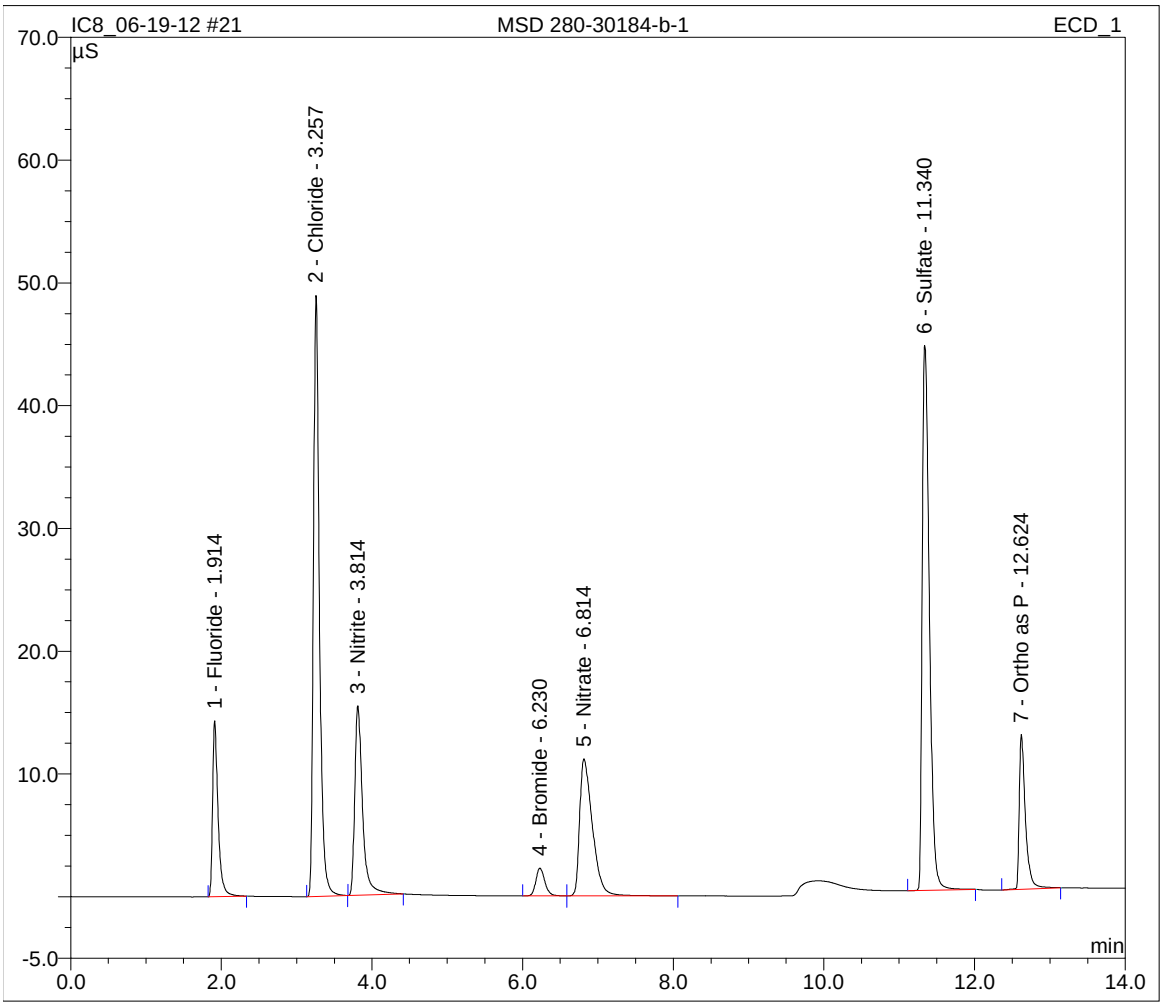
Sample Name:	**MS 280-30184-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 11:57**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.170	13.881	5.0041
2	3.26	Chloride	BMB	4.388	47.601	32.2142
3	3.81	Nitrite	BMB	1.797	14.986	4.9197
4	6.23	Bromide	BMB	0.302	2.180	5.2747
5	6.82	Nitrate	BMB	2.125	10.873	6.1833
6	11.33	Sulfate	BMb	4.829	43.916	45.0310
8	12.61	Ortho as P	BMB	1.131	12.134	5.3623
		TOTAL:		15.74	145.57	103.99



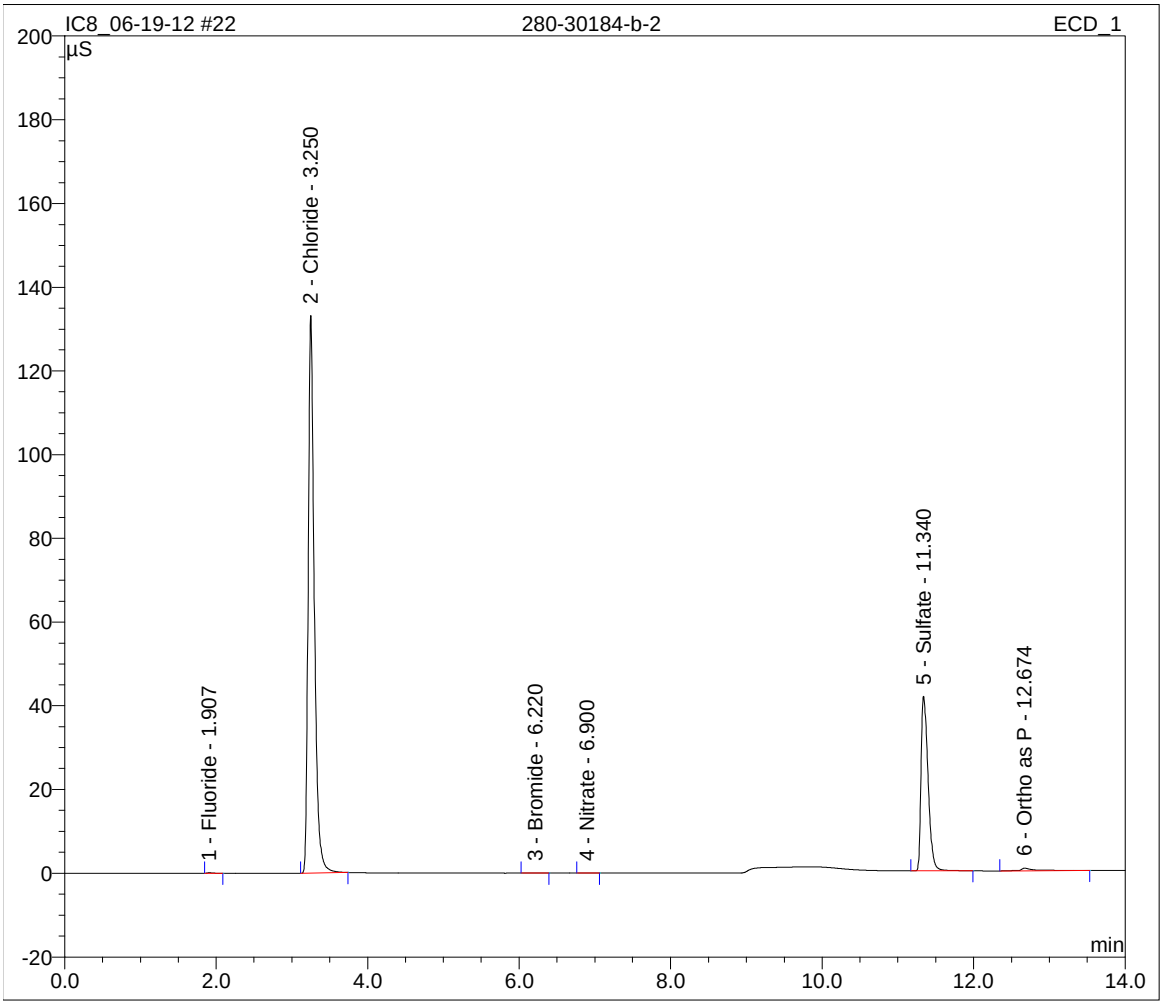
Sample Name:	**MSD 280-30184-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 12:13**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.210	14.325	5.1732
2	3.26	Chloride	BMB	4.507	48.960	33.0857
3	3.81	Nitrite	BMB	1.852	15.431	5.0684
4	6.23	Bromide	BMB	0.313	2.264	5.4562
5	6.81	Nitrate	BMB	2.188	11.145	6.3663
6	11.34	Sulfate	BMB	4.914	44.396	45.8320
7	12.62	Ortho as P	BMB	1.194	12.587	5.6992
		TOTAL:		16.18	149.11	106.68



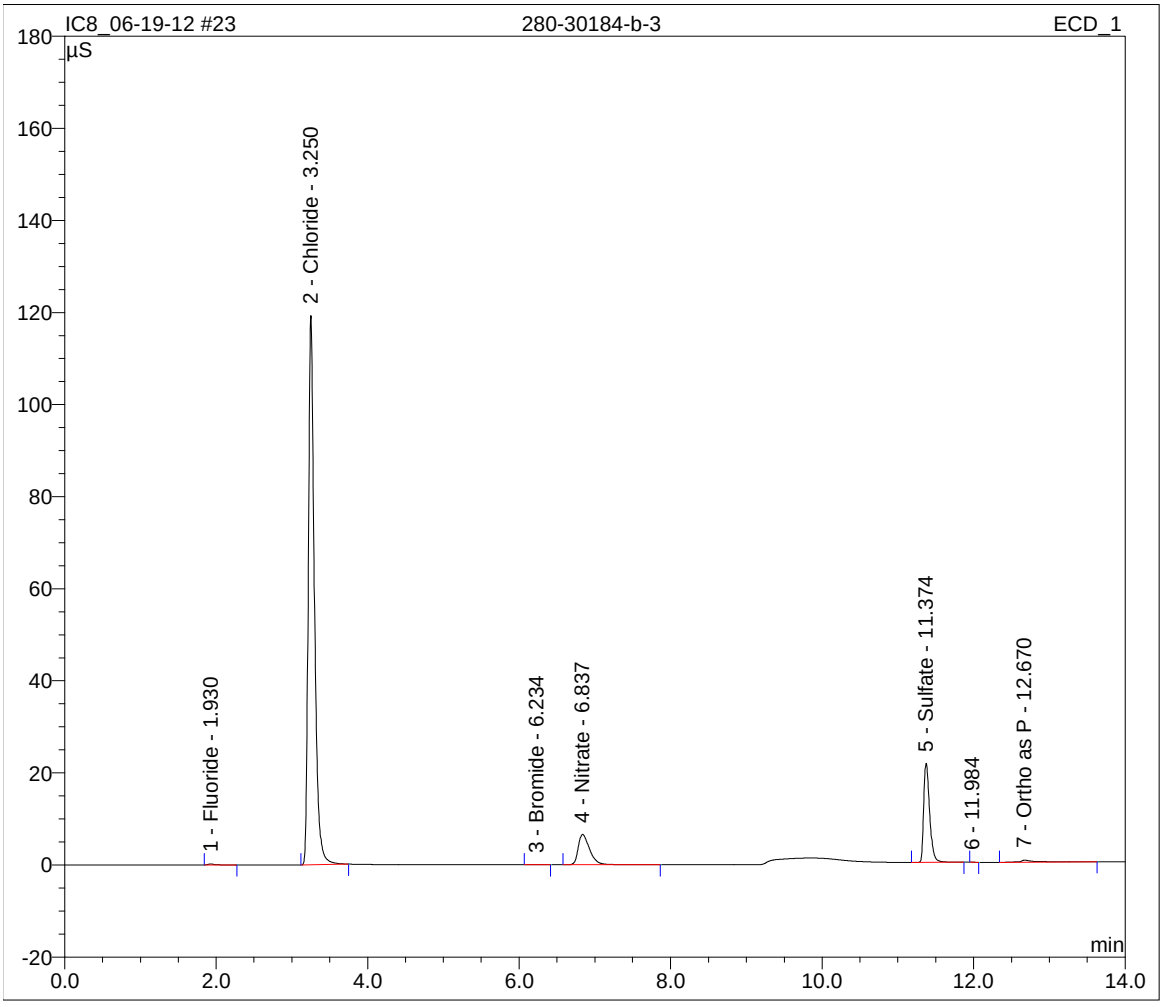
Sample Name:	**280-30184-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 12:30**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.009	0.124	0.0165
2	3.25	Chloride	BMB	12.544	133.221	91.9692
3	6.22	Bromide	BMB	0.002	0.017	0.0874
4	6.90	Nitrate	BMB	0.001	0.010	0.0387
5	11.34	Sulfate	BMB	4.513	41.693	42.0703
6	12.67	Ortho as P	BMB	0.137	0.654	0.0987
		TOTAL:		17.21	175.72	134.28



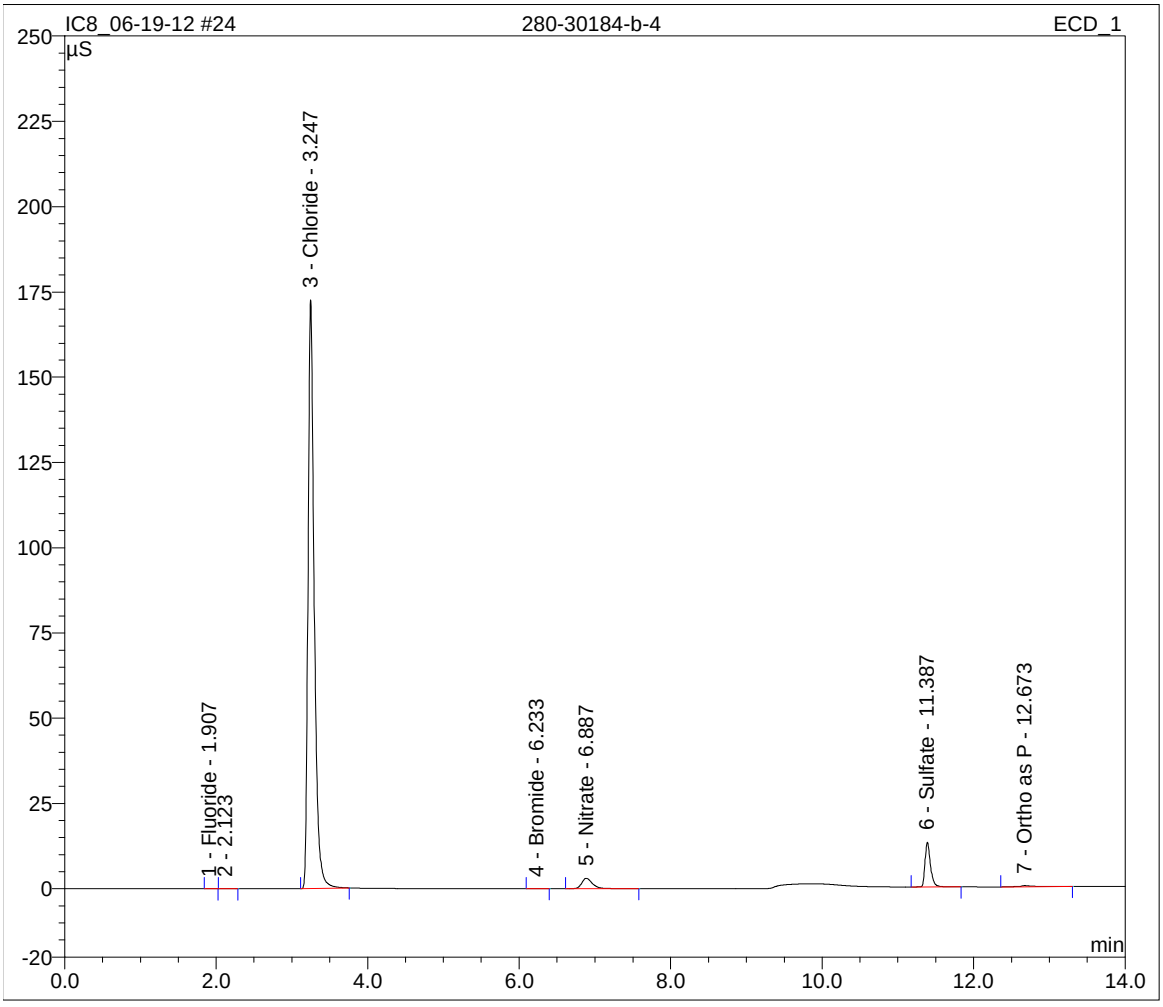
Sample Name:	**280-30184-b-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 12:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.019	0.202	0.0568
2	3.25	Chloride	BMB	11.205	119.307	82.1566
3	6.23	Bromide	BMB	0.002	0.013	0.0784
4	6.84	Nitrate	BMB	1.150	6.588	3.3639
5	11.37	Sulfate	BMB	1.945	21.492	17.9610
7	12.67	Ortho as P	BMB	0.120	0.465	0.0094
		TOTAL:		14.44	148.07	103.63



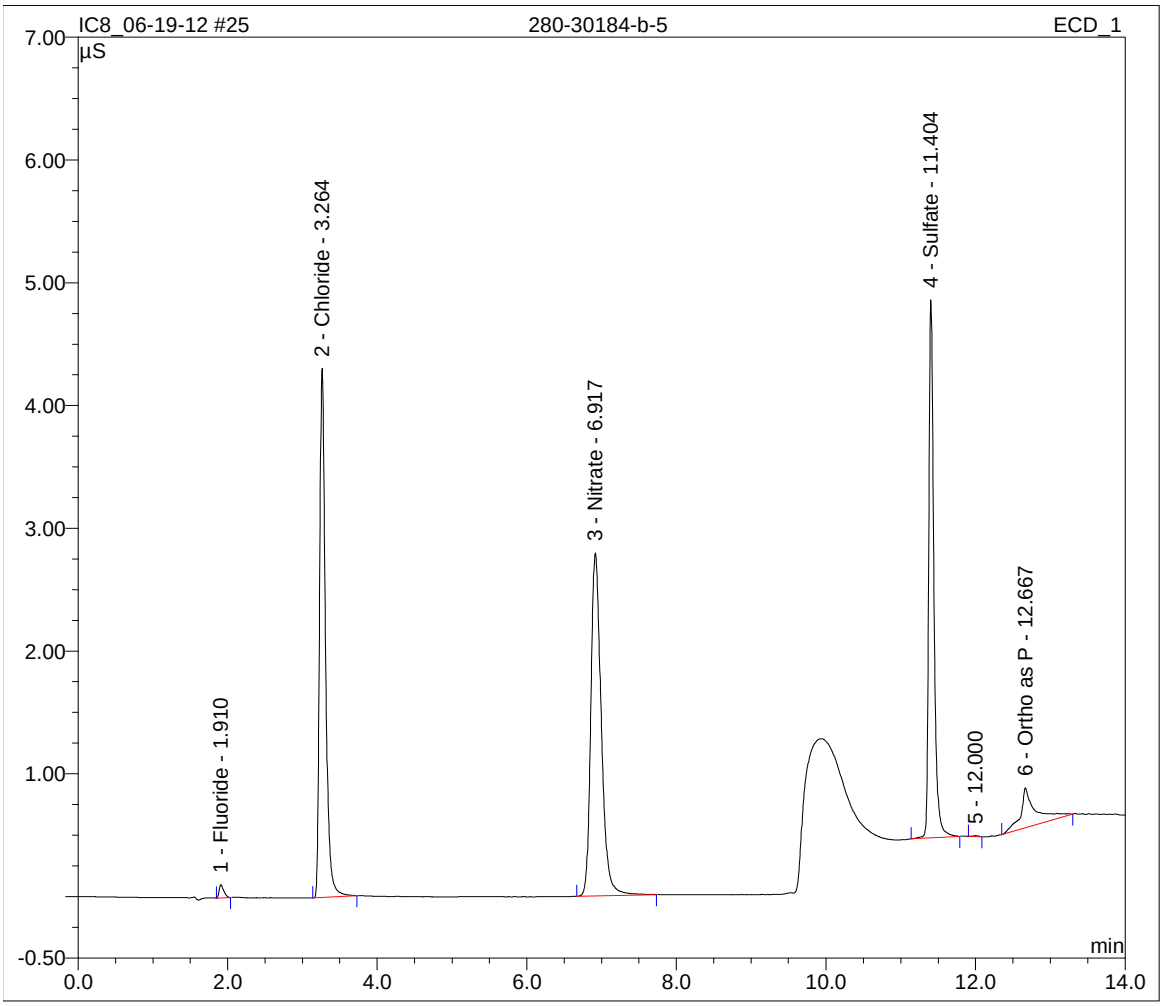
Sample Name:	**280-30184-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 13:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.073	0.0002
3	3.25	Chloride	BMB	16.406	172.676	120.2590
4	6.23	Bromide	BMB	0.002	0.012	0.0743
5	6.89	Nitrate	BMB	0.492	3.035	1.4577
6	11.39	Sulfate	BMB	1.088	13.093	9.9239
7	12.67	Ortho as P	BMB	0.081	0.342	-0.1979
		TOTAL:		18.07	189.23	131.52



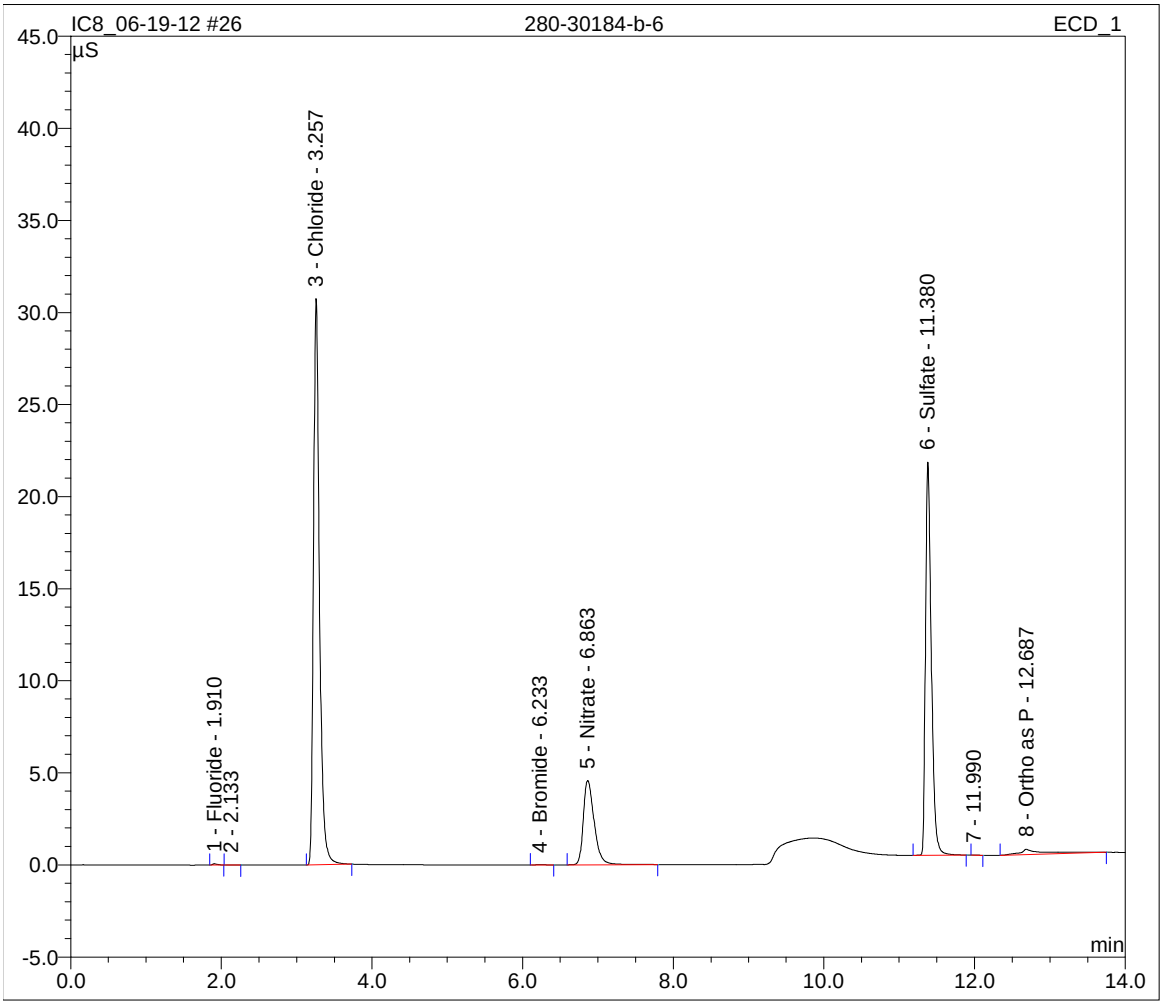
Sample Name:	**280-30184-b-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 13:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.008	0.108	0.0105
2	3.26	Chloride	BMB	0.395	4.307	2.9568
3	6.92	Nitrate	BMB	0.452	2.793	1.3414
4	11.40	Sulfate	BMB	0.346	4.384	2.9551
6	12.67	Ortho as P	BMB	0.076	0.325	-0.2205
		TOTAL:		1.28	11.92	7.04



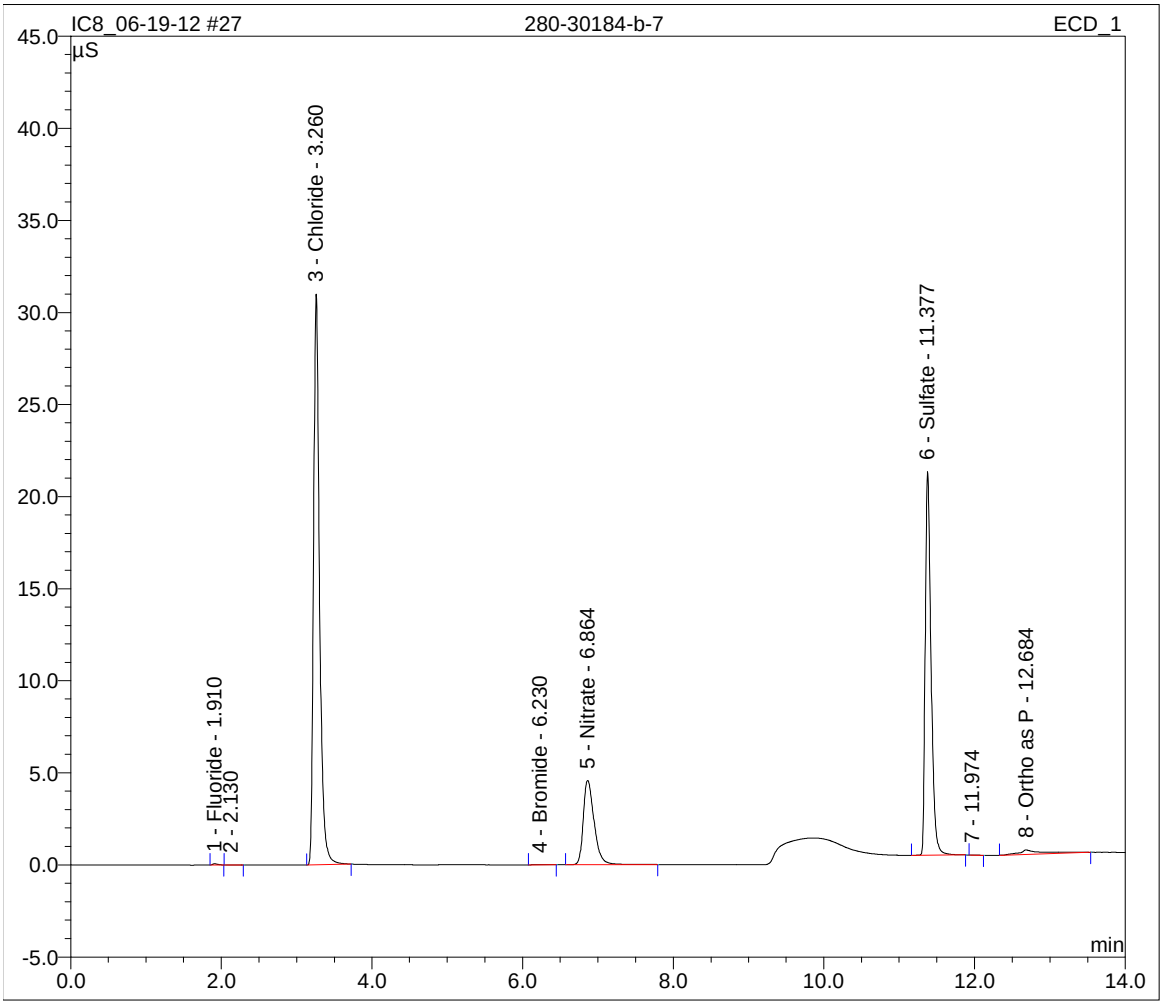
Sample Name:	**280-30184-b-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 13:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.065	-0.0020
3	3.26	Chloride	BMB	2.825	30.756	20.7585
4	6.23	Bromide	BMB	0.001	0.007	0.0646
5	6.86	Nitrate	BMB	0.761	4.564	2.2382
6	11.38	Sulfate	BMB	1.917	21.346	17.7010
8	12.69	Ortho as P	BMB	0.108	0.285	-0.0511
		TOTAL:		5.62	57.02	40.71



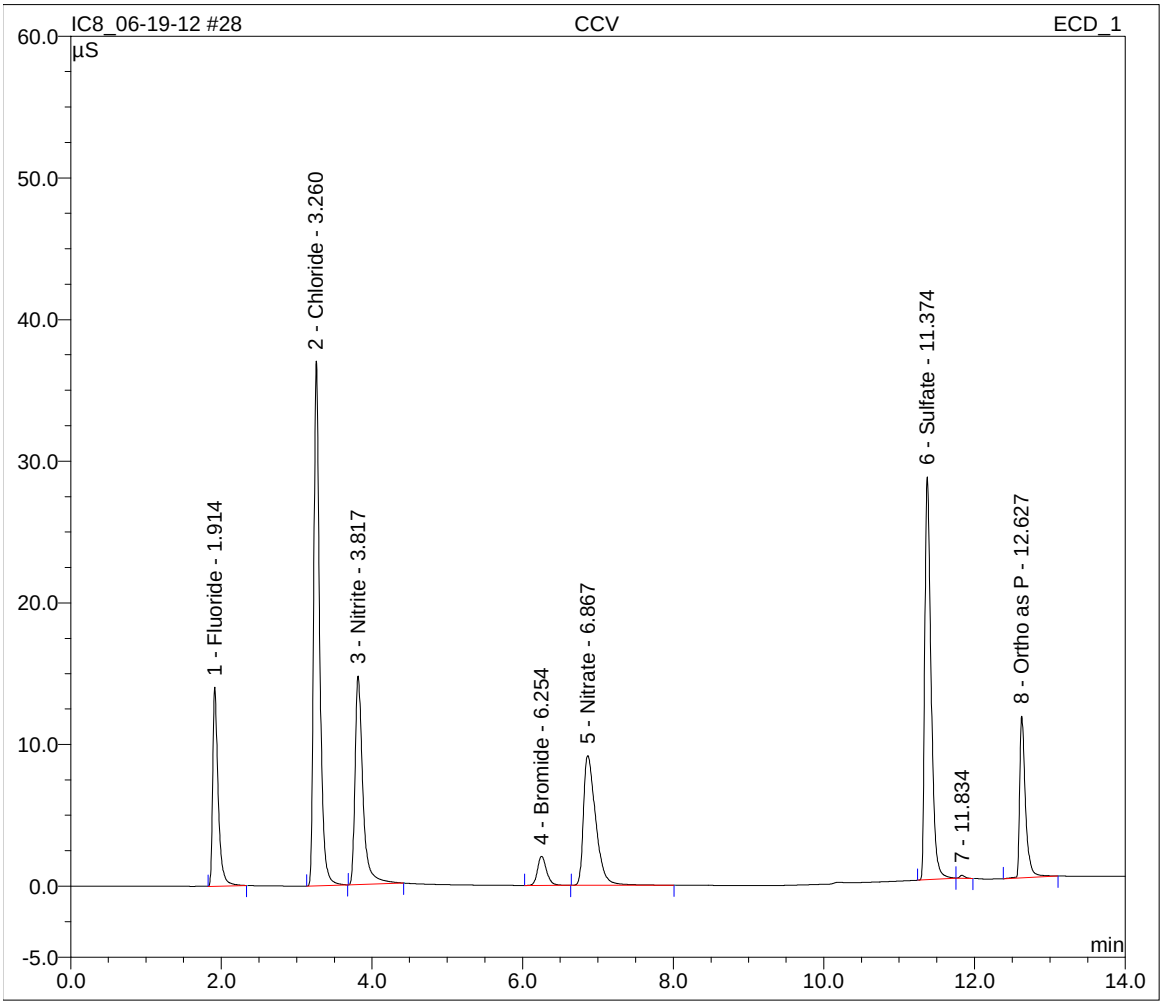
Sample Name:	**280-30184-b-7**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 13:54**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.066	-0.0015
3	3.26	Chloride	BMB	2.846	31.007	20.9159
4	6.23	Bromide	BMB	0.001	0.007	0.0648
5	6.86	Nitrate	BMB	0.762	4.574	2.2395
6	11.38	Sulfate	BMB	1.865	20.815	17.2106
8	12.68	Ortho as P	BMB	0.086	0.247	-0.1671
		TOTAL:		5.56	56.72	40.26



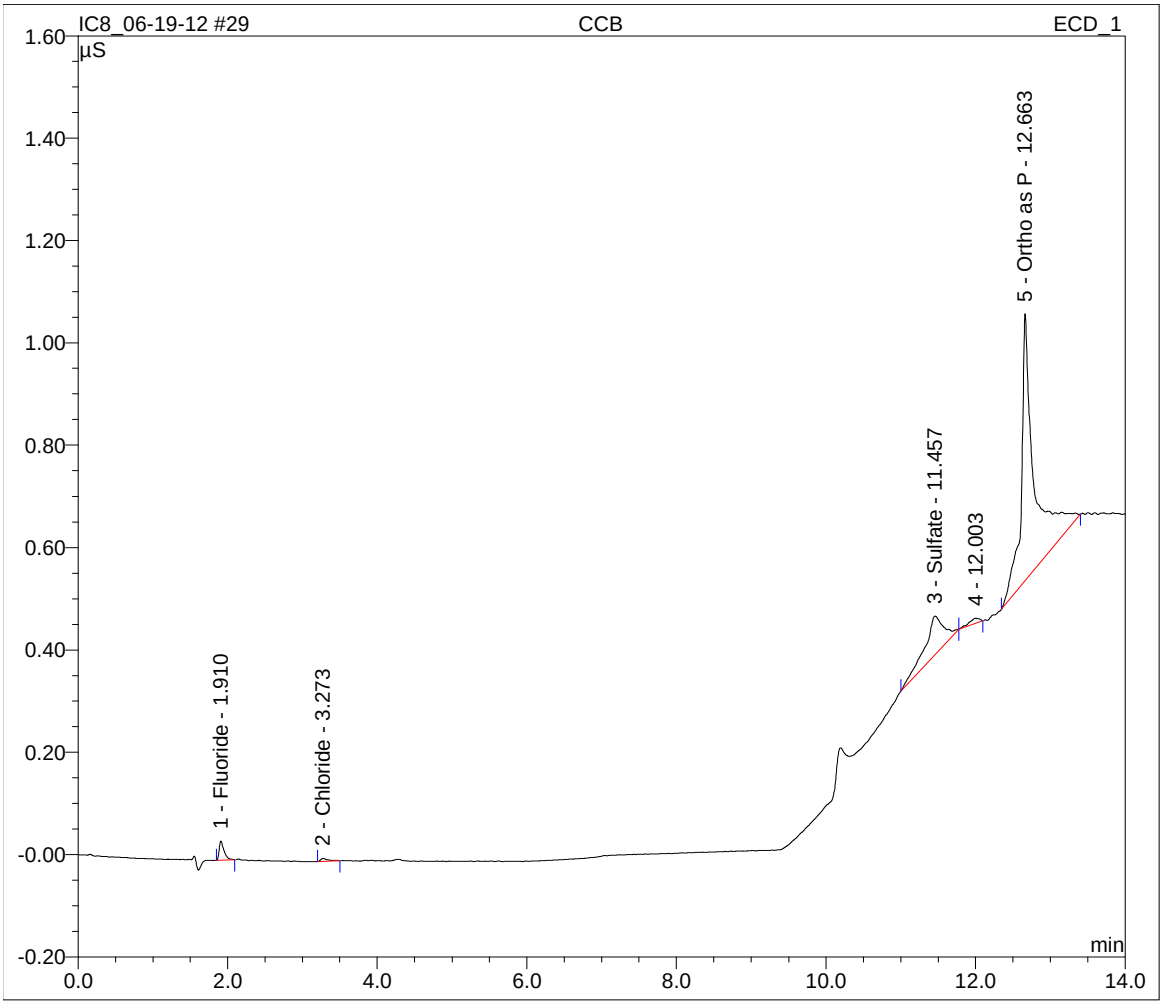
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 14:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.176	14.037	5.0260
2	3.26	Chloride	BMB	3.412	37.034	25.0596
3	3.82	Nitrite	BMB	1.771	14.725	4.8491
4	6.25	Bromide	BMB	0.284	2.042	4.9682
5	6.87	Nitrate	BMB	1.720	9.142	5.0114
6	11.37	Sulfate	BMb	2.767	28.425	25.6785
8	12.63	Ortho as P	BMB	1.005	11.401	4.6970
		TOTAL:		12.13	116.80	75.29



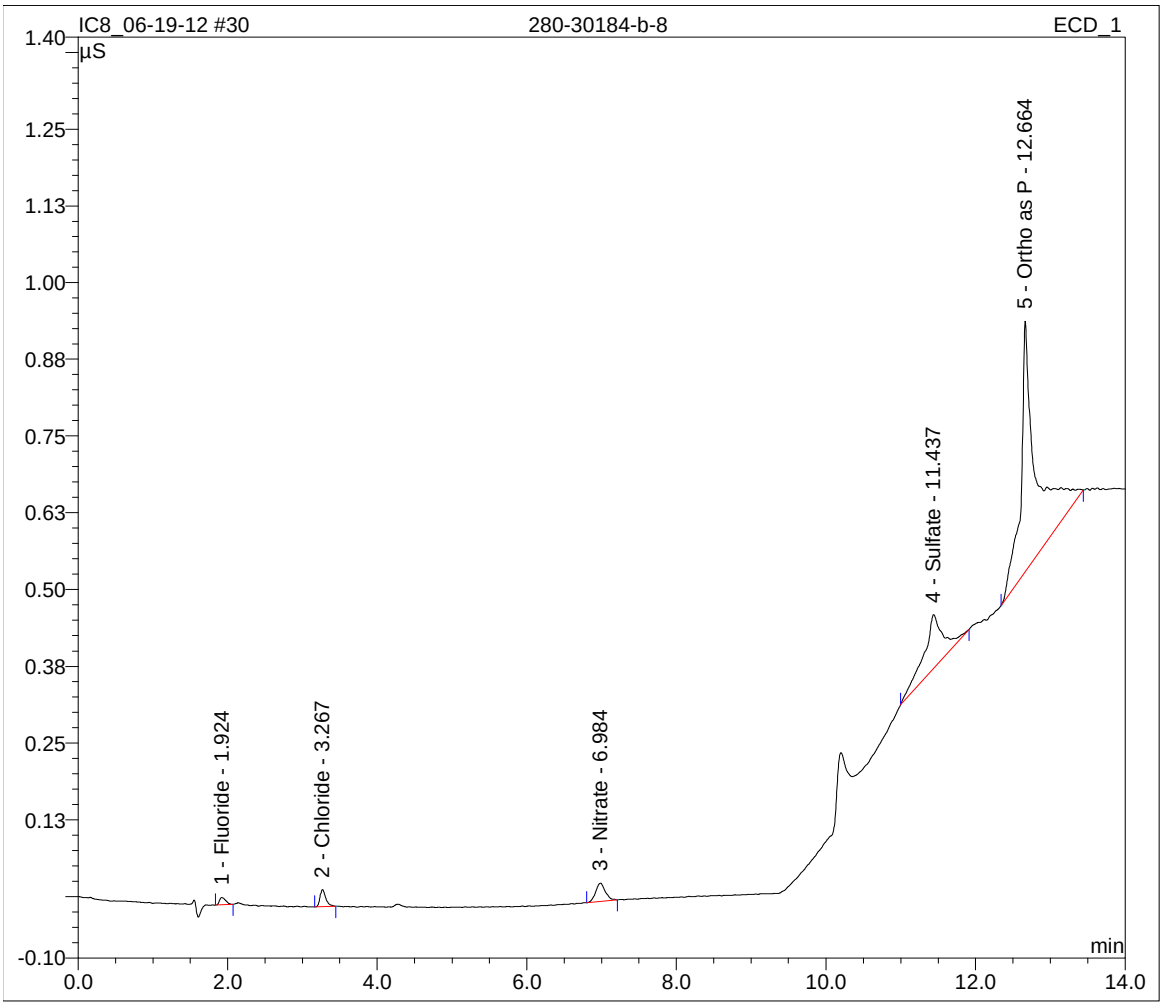
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 14:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.003	0.037	-0.0105
2	3.27	Chloride	BMB	0.001	0.006	0.0702
3	11.46	Sulfate	BMB	0.022	0.075	-0.0849
5	12.66	Ortho as P	BMB	0.107	0.522	-0.0556
TOTAL:				0.13	0.64	-0.08



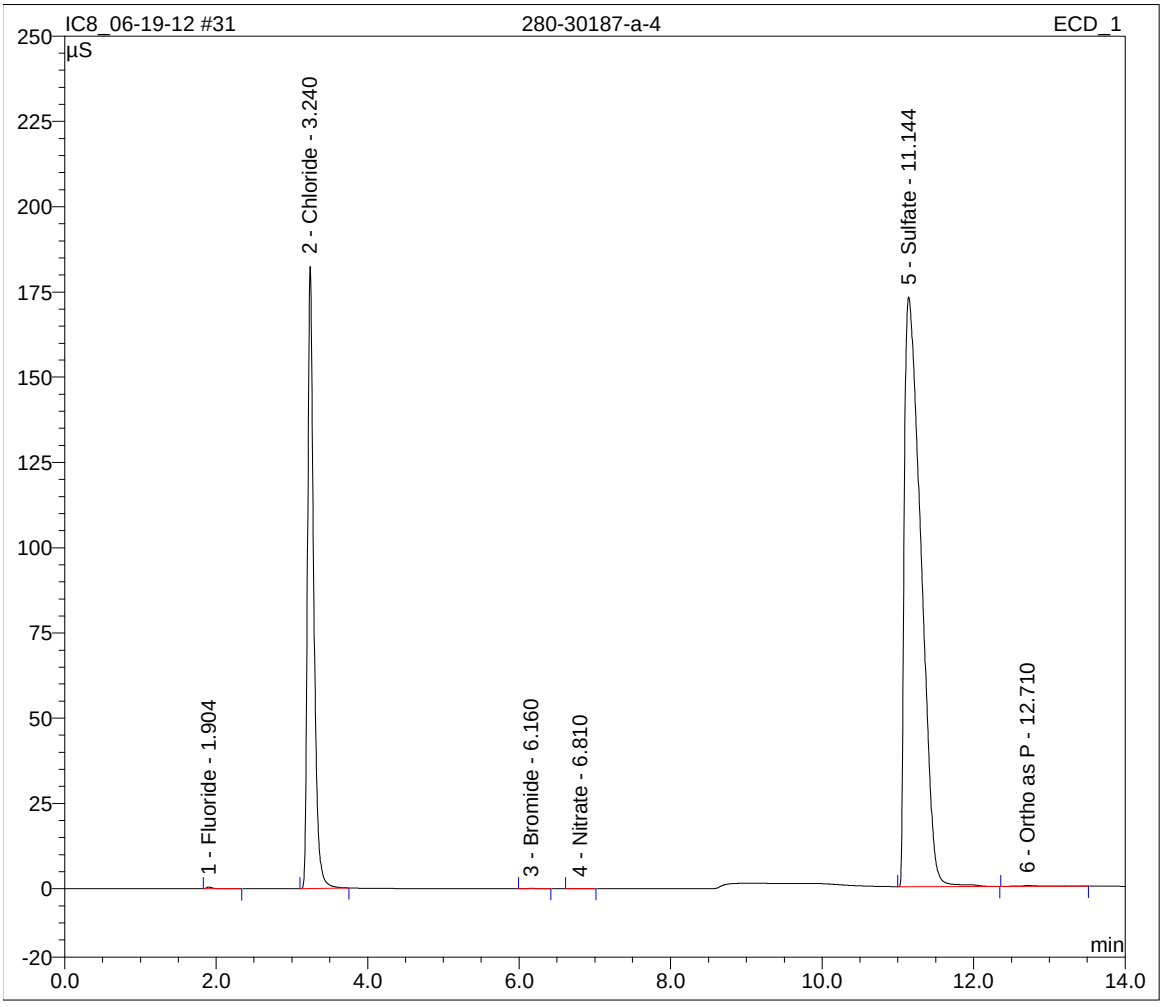
Sample Name:	**280-30184-b-8**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 14:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.001	0.012	-0.0178
2	3.27	Chloride	BMB	0.003	0.028	0.0836
3	6.98	Nitrate	BMB	0.004	0.030	0.0476
4	11.44	Sulfate	BMB	0.026	0.088	-0.0501
5	12.66	Ortho as P	BMB	0.098	0.408	-0.1053
		TOTAL:		0.13	0.57	-0.04



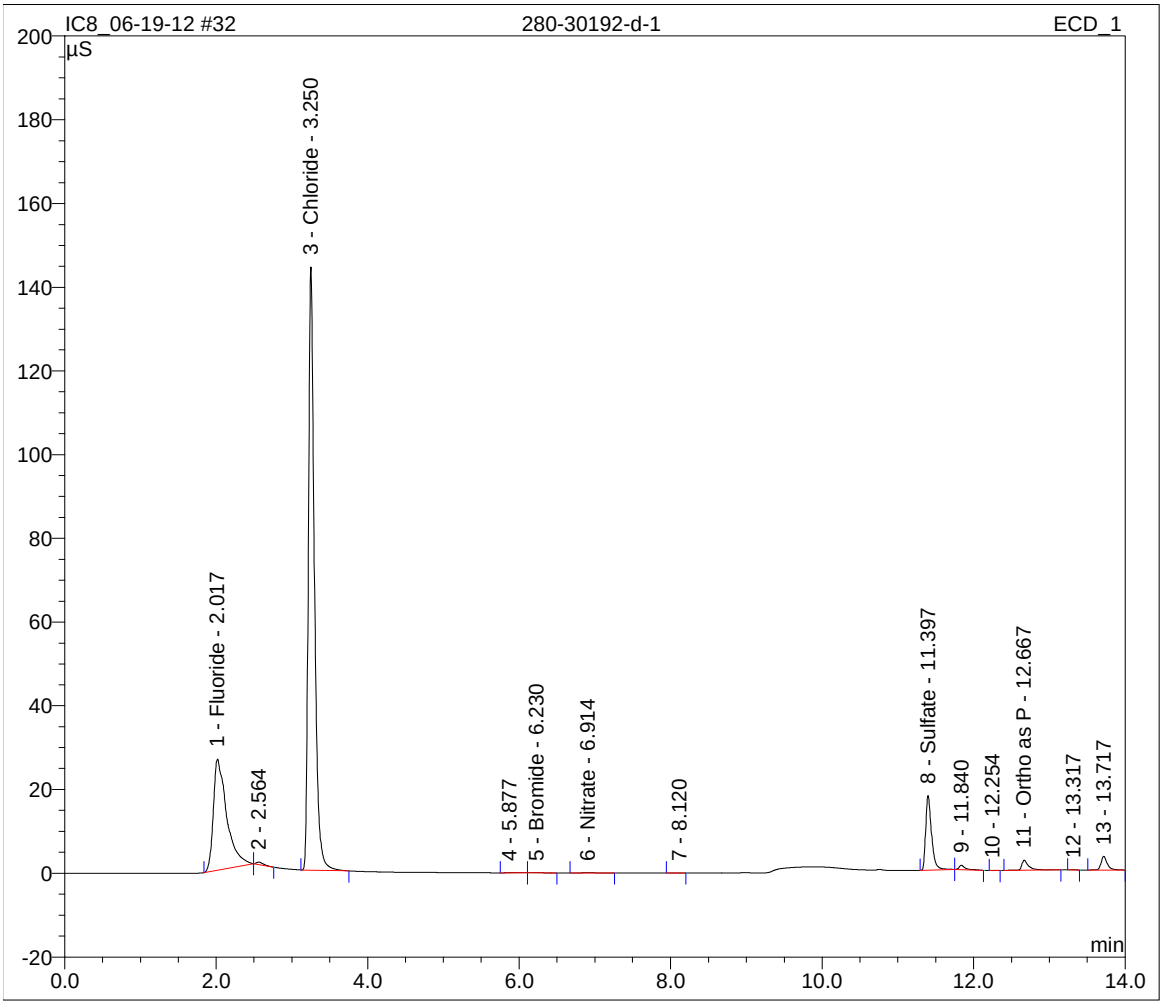
Sample Name:	**280-30187-a-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 15:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	0.047	0.528	0.1794
2	3.24	Chloride	BMB	17.284	182.450	126.6906
3	6.16	Bromide	BMB	0.008	0.061	0.1876
4	6.81	Nitrate	BMB	0.002	0.017	0.0416
5	11.14	Sulfate	BMB	43.904	172.921	411.7809
6	12.71	Ortho as P	BMB	0.084	0.278	-0.1768
		TOTAL:		61.33	356.25	538.70



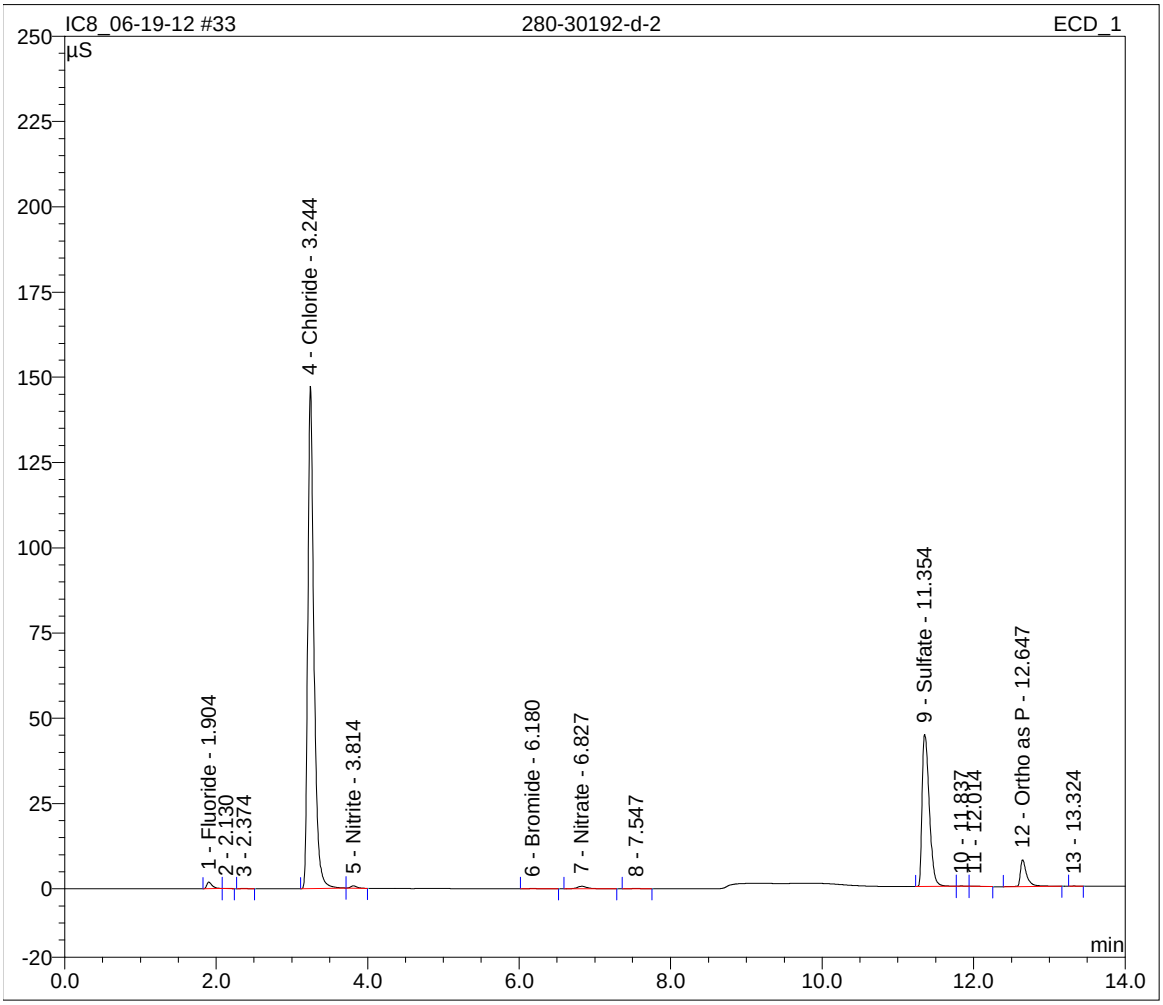
Sample Name:	**280-30192-d-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 15:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	2.02	Fluoride	BMb	5.408	26.565	23.2046
3	3.25	Chloride	BMB	13.429	144.126	98.4487
5	6.23	Bromide	bMB	0.005	0.043	0.1406
6	6.91	Nitrate	BMB	0.010	0.066	0.0645
8	11.40	Sulfate	BMb	1.588	17.804	14.6112
11	12.67	Ortho as P	BMB	0.268	2.424	0.7923
		TOTAL:		20.71	191.03	137.26



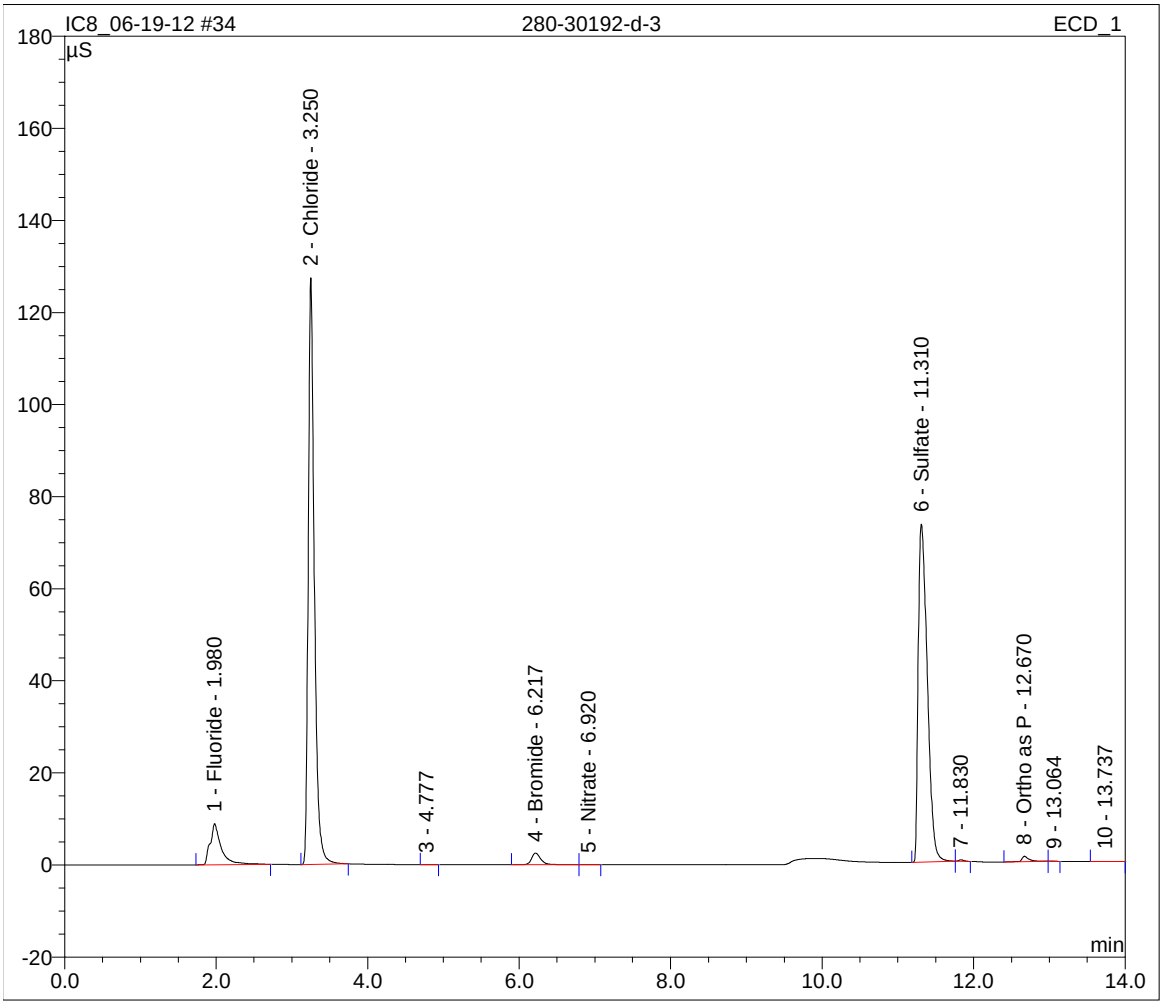
Sample Name:	**280-30192-d-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 15:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMb	0.160	1.964	0.6634
4	3.24	Chloride	BMb	13.861	147.226	101.6128
5	3.81	Nitrite	bMB	0.060	0.655	0.1971
6	6.18	Bromide	BMB	0.007	0.051	0.1749
7	6.83	Nitrate	BMB	0.105	0.707	0.3371
9	11.35	Sulfate	BMb	4.901	44.573	45.7069
12	12.65	Ortho as P	BMB	0.753	7.807	3.3623
		TOTAL:		19.85	202.98	152.05



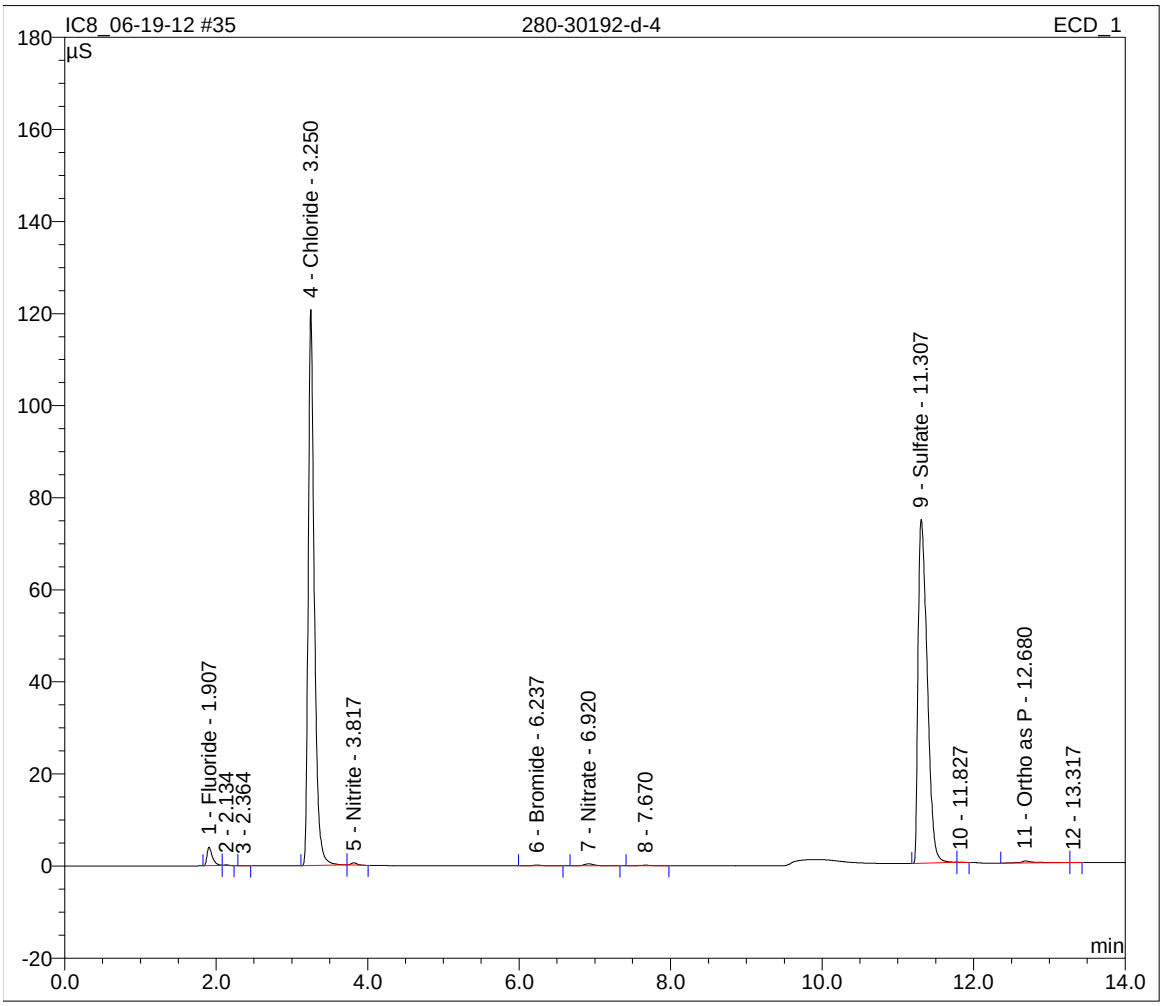
Sample Name:	**280-30192-d-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 16:09**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.98	Fluoride	BMB	1.501	8.922	6.4256
2	3.25	Chloride	BMB	11.938	127.431	87.5286
4	6.22	Bromide	BMb	0.353	2.500	6.1478
5	6.92	Nitrate	bMB	0.001	0.008	0.0377
6	11.31	Sulfate	BMb	10.196	73.406	95.4103
8	12.67	Ortho as P	BMb	0.134	1.192	0.0868
		TOTAL:		24.12	213.46	195.64



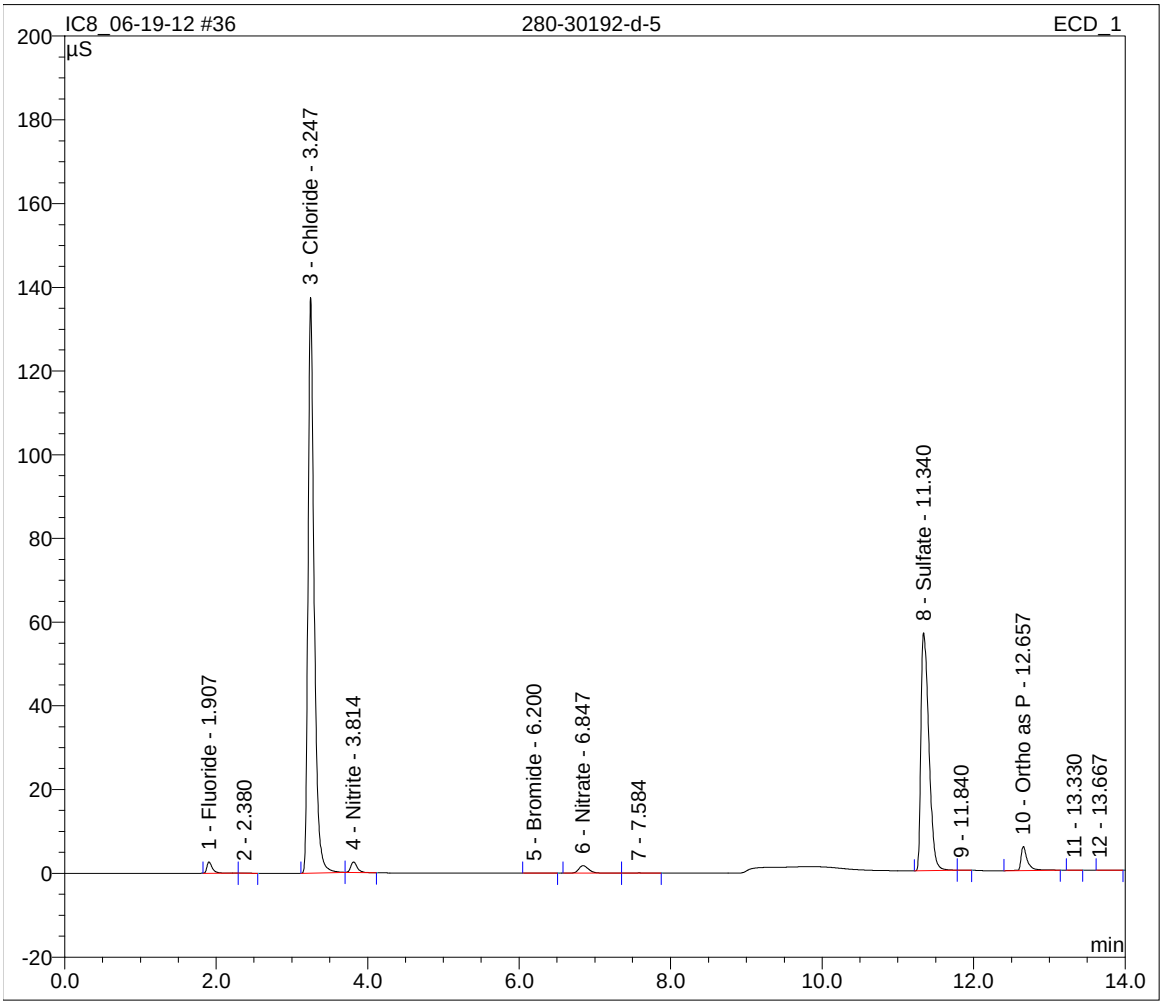
Sample Name:	**280-30192-d-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 16:26**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.325	4.029	1.3742
4	3.25	Chloride	BMb	11.304	120.795	82.8848
5	3.82	Nitrite	bMB	0.046	0.497	0.1570
6	6.24	Bromide	BMB	0.022	0.159	0.4327
7	6.92	Nitrate	BMB	0.066	0.434	0.2243
9	11.31	Sulfate	BMb	10.447	74.685	97.7583
11	12.68	Ortho as P	BMB	0.093	0.451	-0.1329
		TOTAL:		22.30	201.05	182.70



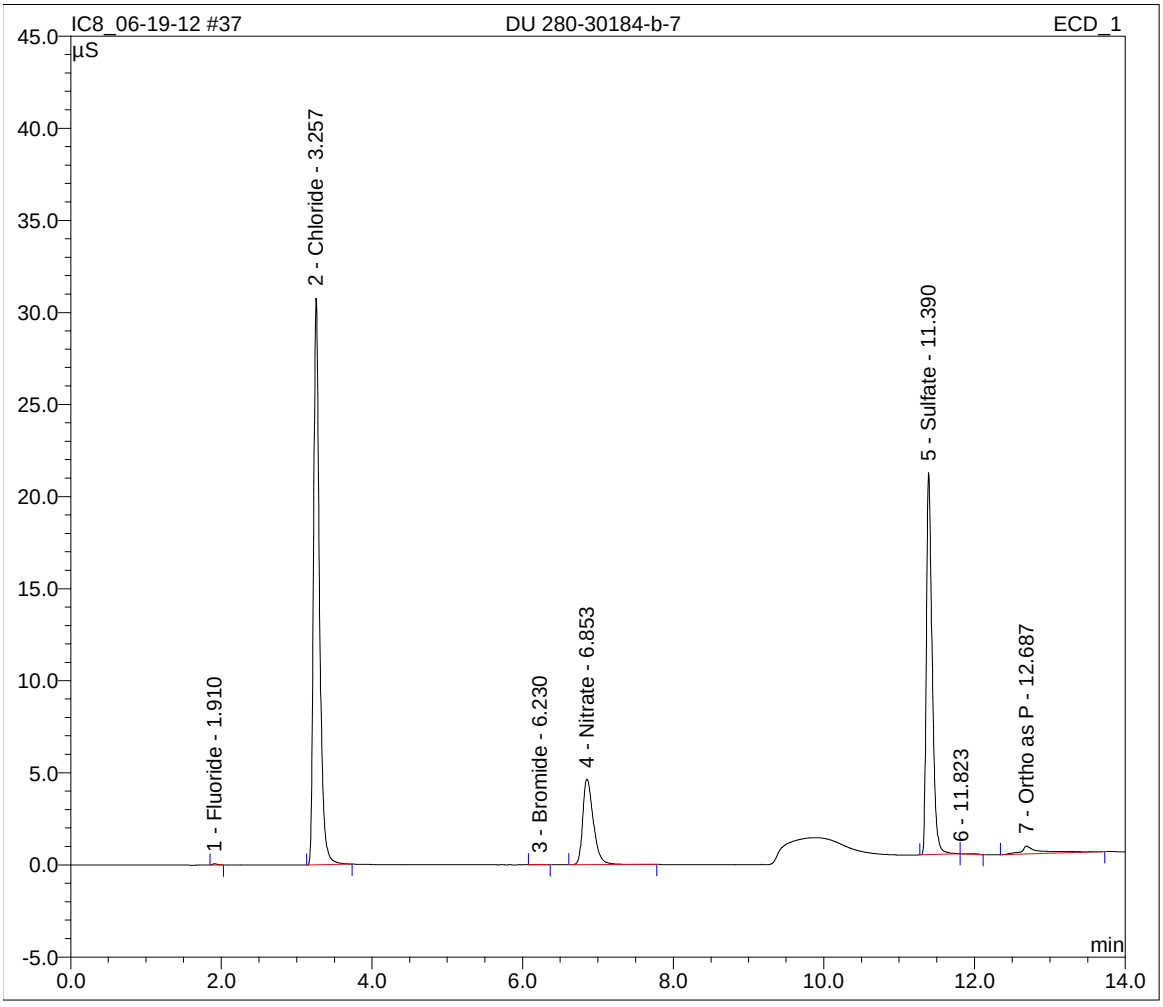
Sample Name:	**280-30192-d-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 16:42**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.227	2.731	0.9542
3	3.25	Chloride	BMb	12.907	137.594	94.6234
4	3.81	Nitrite	bMB	0.246	2.489	0.7021
5	6.20	Bromide	BMB	0.007	0.051	0.1718
6	6.85	Nitrate	BMb	0.276	1.815	0.8325
8	11.34	Sulfate	BMb	6.939	56.857	64.8337
10	12.66	Ortho as P	BMB	0.551	5.761	2.2918
		TOTAL:		21.15	207.30	164.41



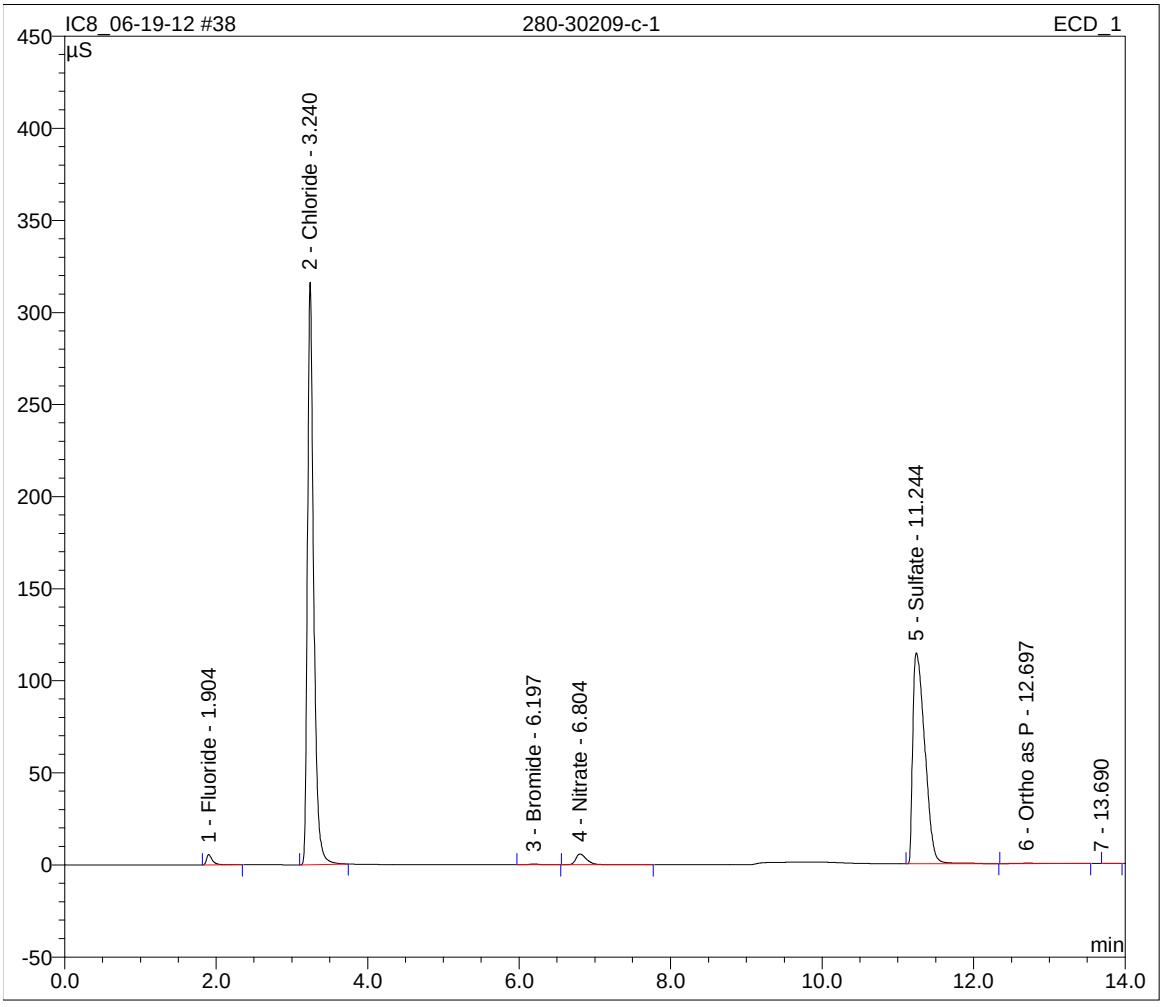
Sample Name:	**DU 280-30184-b-7**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 16:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.074	0.0006
2	3.26	Chloride	BMB	2.820	30.781	20.7233
3	6.23	Bromide	BMB	0.001	0.007	0.0635
4	6.85	Nitrate	BMB	0.760	4.636	2.2327
5	11.39	Sulfate	BMb	1.857	20.735	17.1385
7	12.69	Ortho as P	BMB	0.126	0.430	0.0426
		TOTAL:		5.57	56.66	40.20



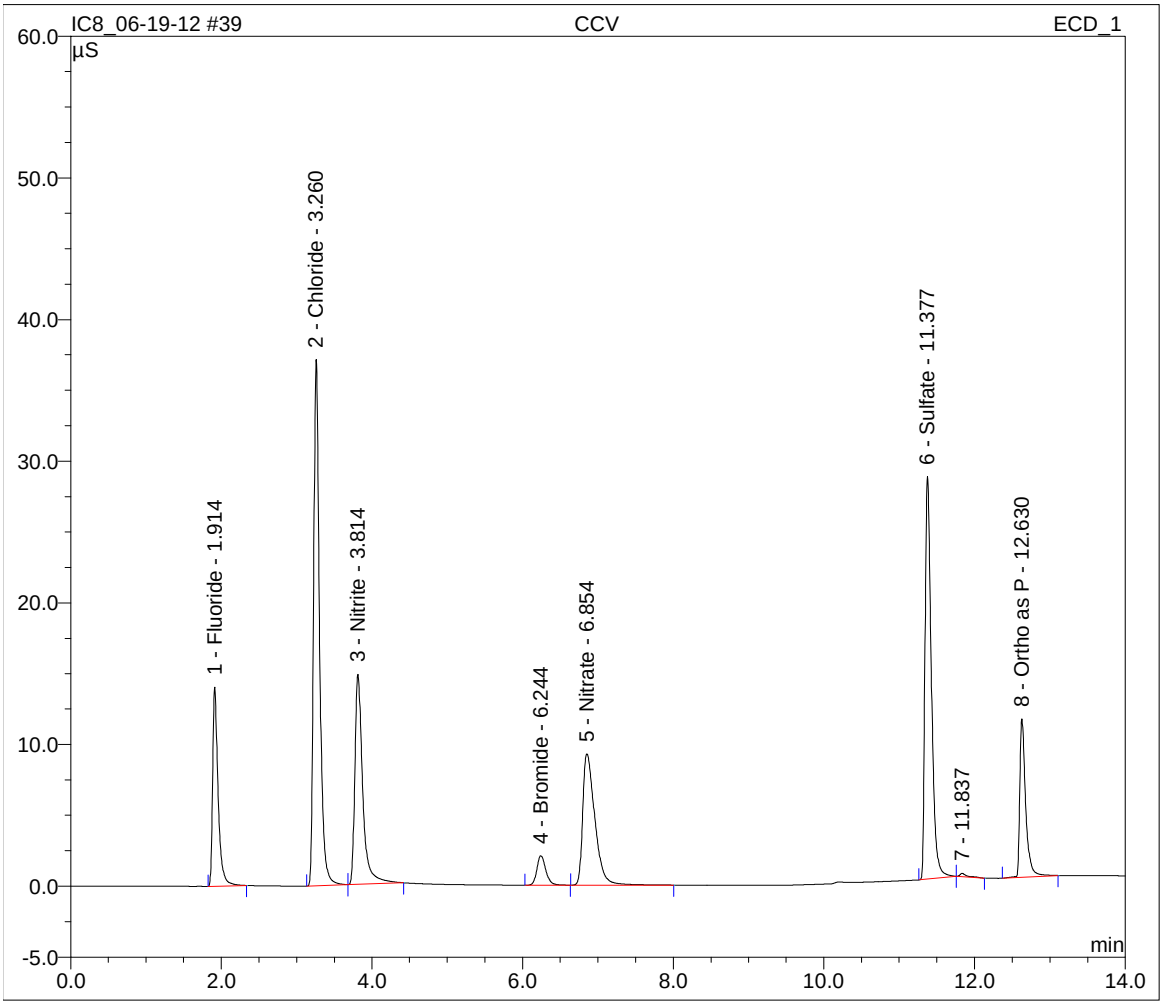
Sample Name:	**280-30209-c-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 17:16**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	0.497	5.640	2.1136
2	3.24	Chloride	BMB	30.048	316.290	220.2021
3	6.20	Bromide	BMB	0.062	0.461	1.1139
4	6.80	Nitrate	BMB	0.967	5.822	2.8336
5	11.24	Sulfate	BMB	21.061	114.615	197.3860
6	12.70	Ortho as P	BMB	0.098	0.328	-0.1035
TOTAL:				52.73	443.16	423.55



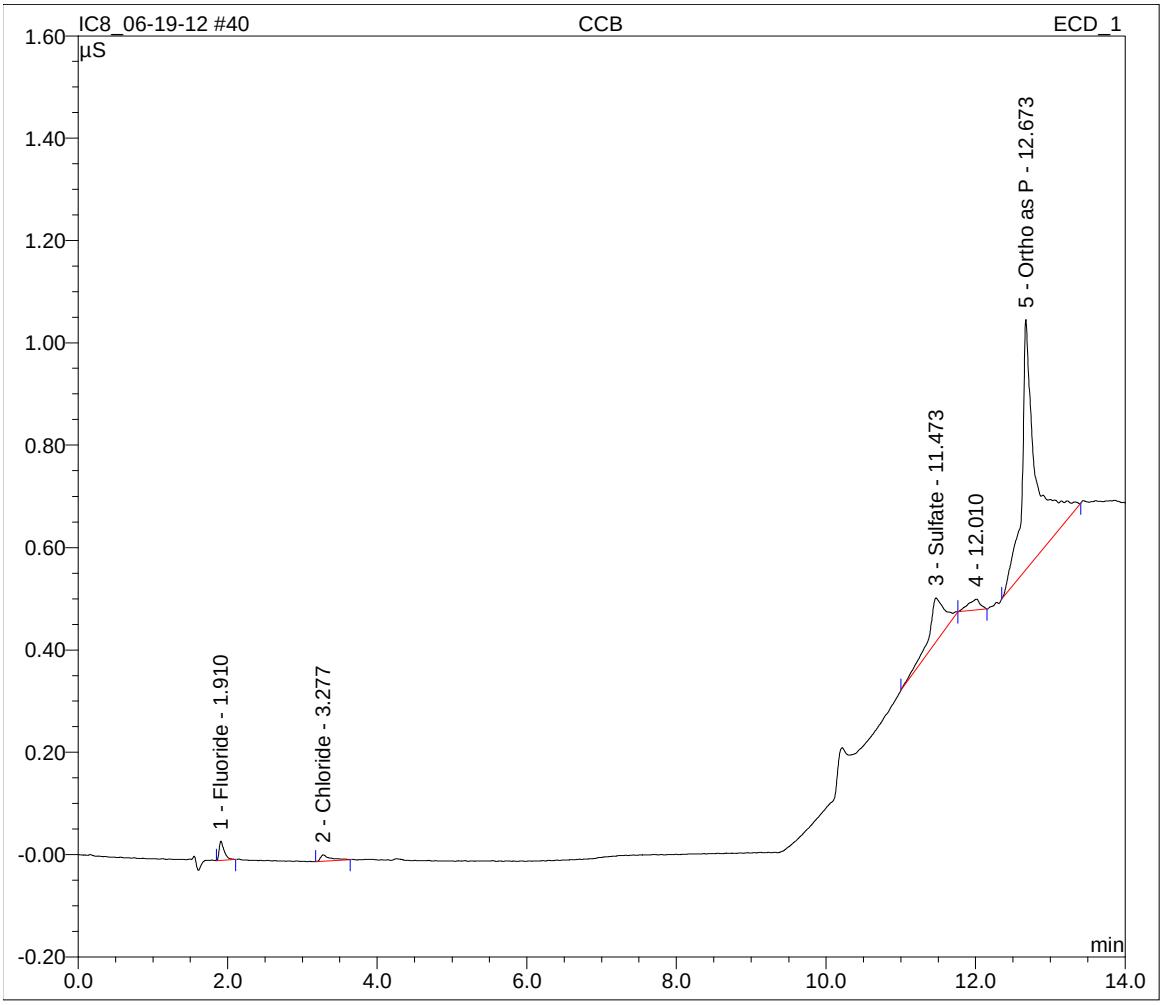
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 17:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.179	14.053	5.0407
2	3.26	Chloride	BMb	3.416	37.150	25.0922
3	3.81	Nitrite	bMB	1.788	14.836	4.8957
4	6.24	Bromide	BMB	0.286	2.080	4.9920
5	6.85	Nitrate	BMB	1.726	9.252	5.0294
6	11.38	Sulfate	BMb	2.789	28.419	25.8836
8	12.63	Ortho as P	BMB	1.006	11.168	4.7038
		TOTAL:		12.19	116.96	75.64



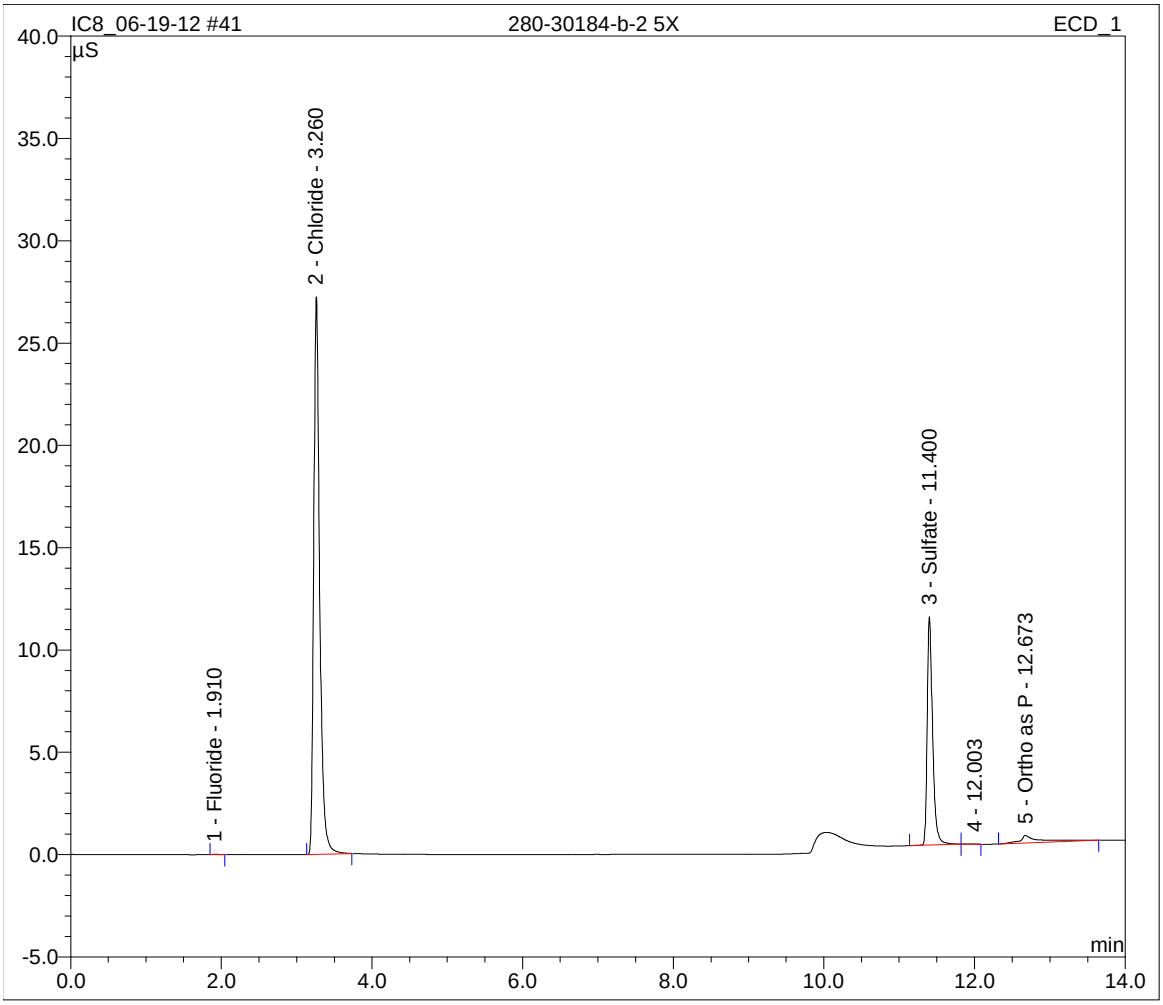
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 17:50**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.003	0.037	-0.0102
2	3.28	Chloride	BMB	0.002	0.013	0.0794
3	11.47	Sulfate	BMB	0.020	0.085	-0.1016
5	12.67	Ortho as P	BMB	0.108	0.489	-0.0508
		TOTAL:		0.13	0.62	-0.08



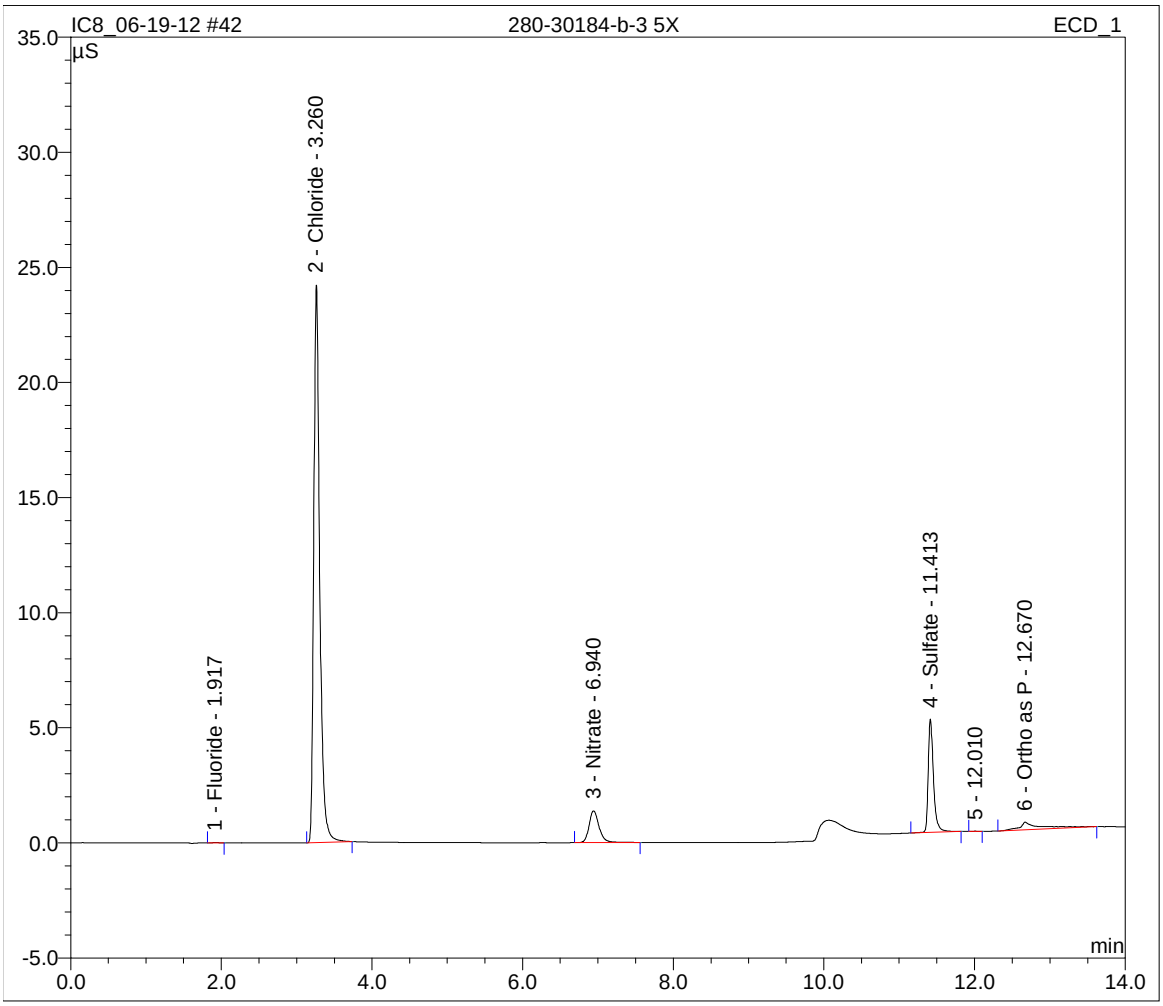
Sample Name:	**280-30184-b-2 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 18:06**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.002	0.022	-0.0783
2	3.26	Chloride	BMB	2.497	27.264	91.7874
3	11.40	Sulfate	BMb	0.928	11.153	42.1115
5	12.67	Ortho as P	BMB	0.115	0.379	-0.0763
		TOTAL:		3.54	38.82	133.74



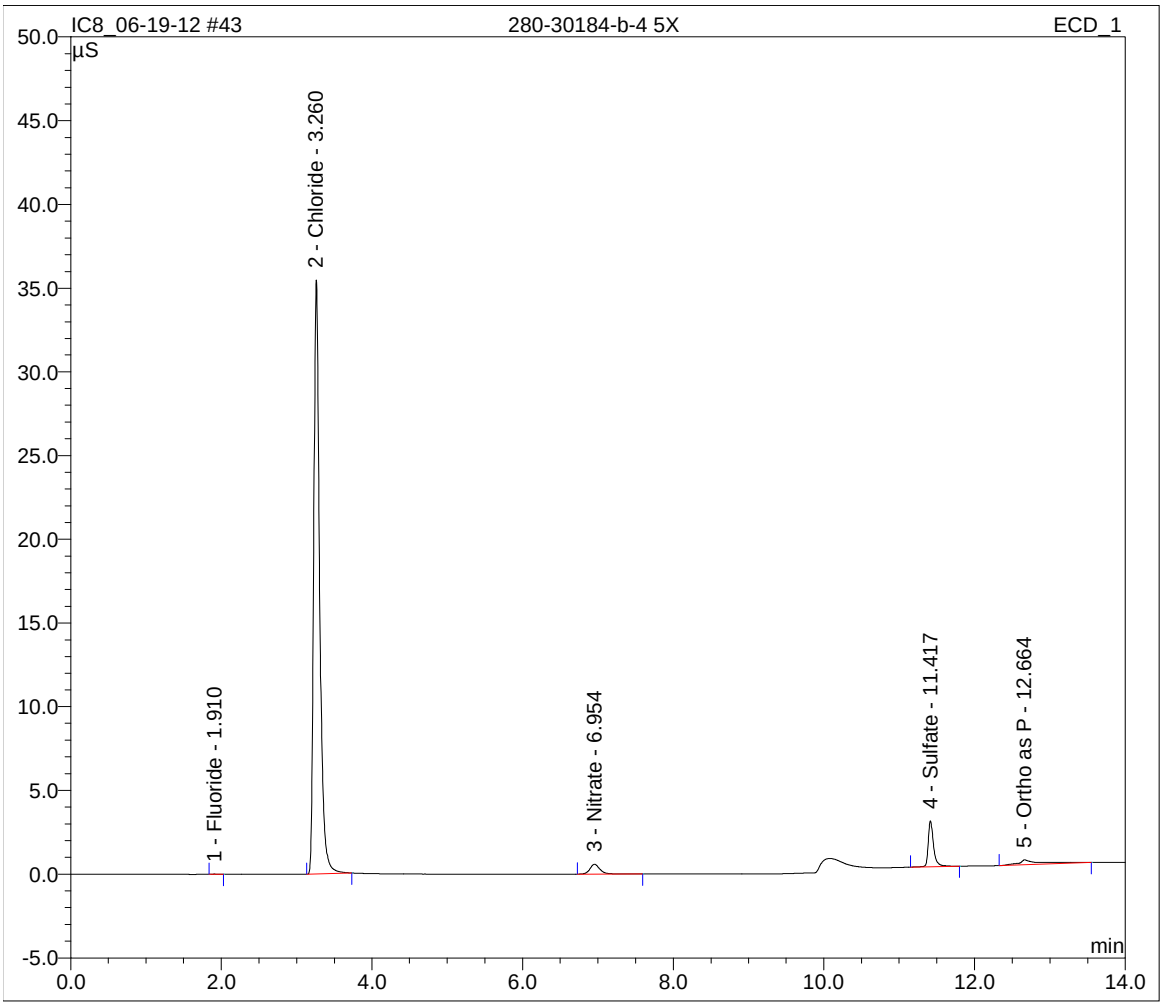
Sample Name:	**280-30184-b-3 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 18:23**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.002	0.021	-0.0765
2	3.26	Chloride	BMB	2.221	24.221	81.6800
3	6.94	Nitrate	BMB	0.213	1.375	3.2525
4	11.41	Sulfate	BMB	0.397	4.918	17.1622
6	12.67	Ortho as P	BMB	0.108	0.336	-0.2538
		TOTAL:		2.94	30.87	101.76



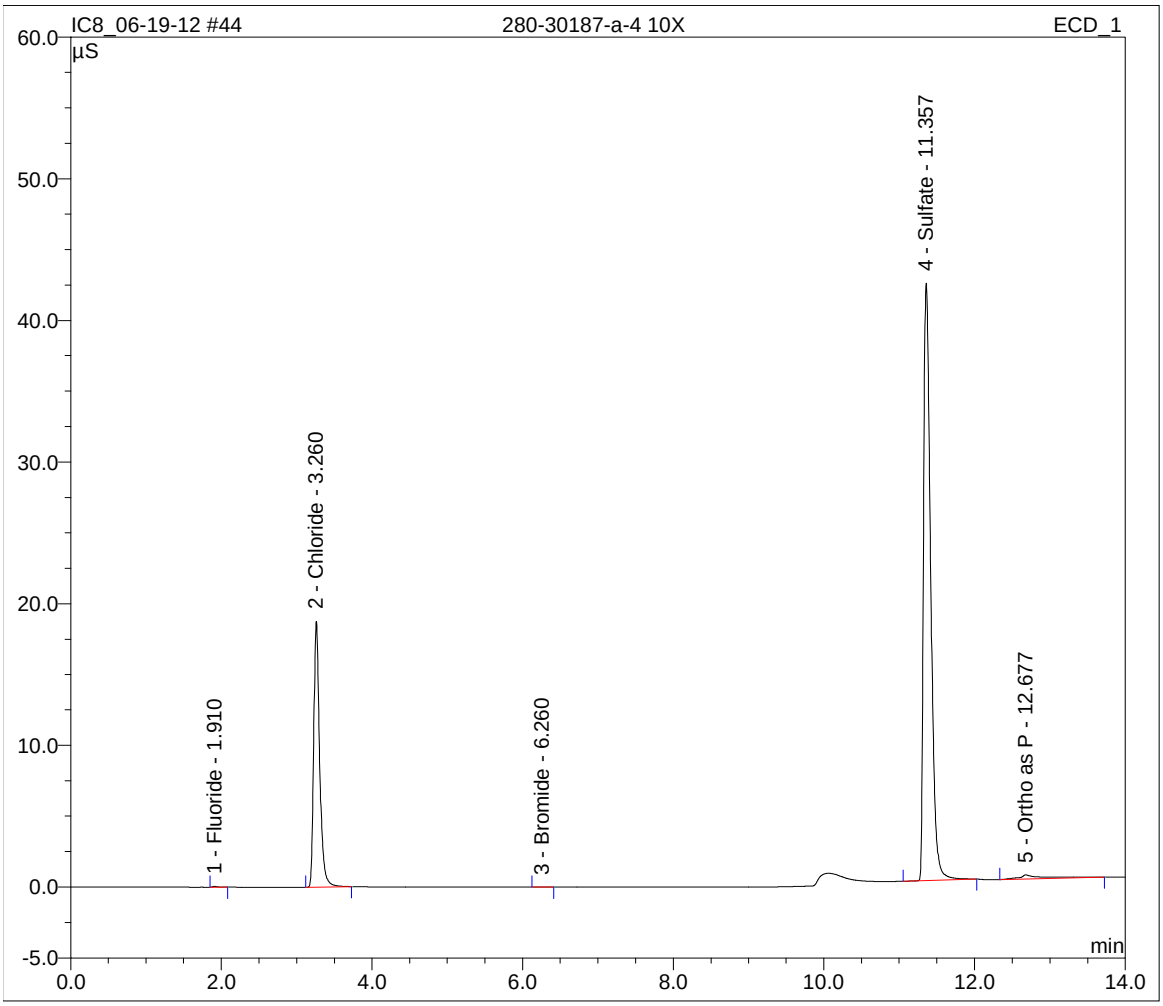
Sample Name:	**280-30184-b-4 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 18:40**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.001	0.016	-0.0872
2	3.26	Chloride	BMB	3.262	35.487	119.8067
3	6.95	Nitrate	BMB	0.090	0.581	1.4769
4	11.42	Sulfate	BMB	0.222	2.744	8.9592
5	12.66	Ortho as P	BMB	0.099	0.298	-0.5128
		TOTAL:		3.67	39.13	129.64



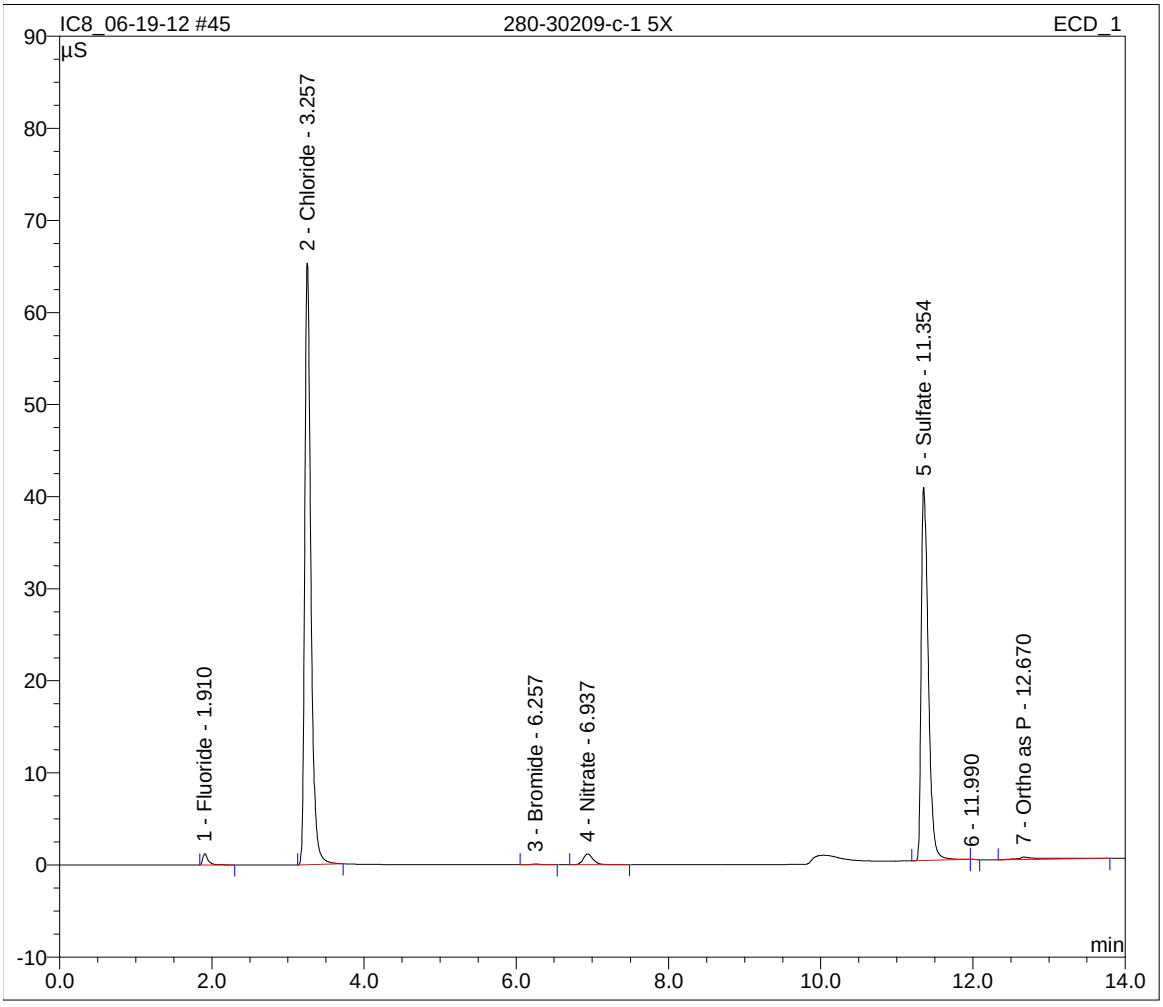
Sample Name:	**280-30187-a-4 10X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**10.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 18:57**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.004	0.061	-0.0376
2	3.26	Chloride	BMB	1.717	18.764	126.4468
3	6.26	Bromide	BMB	0.001	0.006	0.6101
4	11.36	Sulfate	BMB	4.655	42.178	433.9580
5	12.68	Ortho as P	BMB	0.110	0.292	-0.4425
		TOTAL:		6.49	61.30	560.53



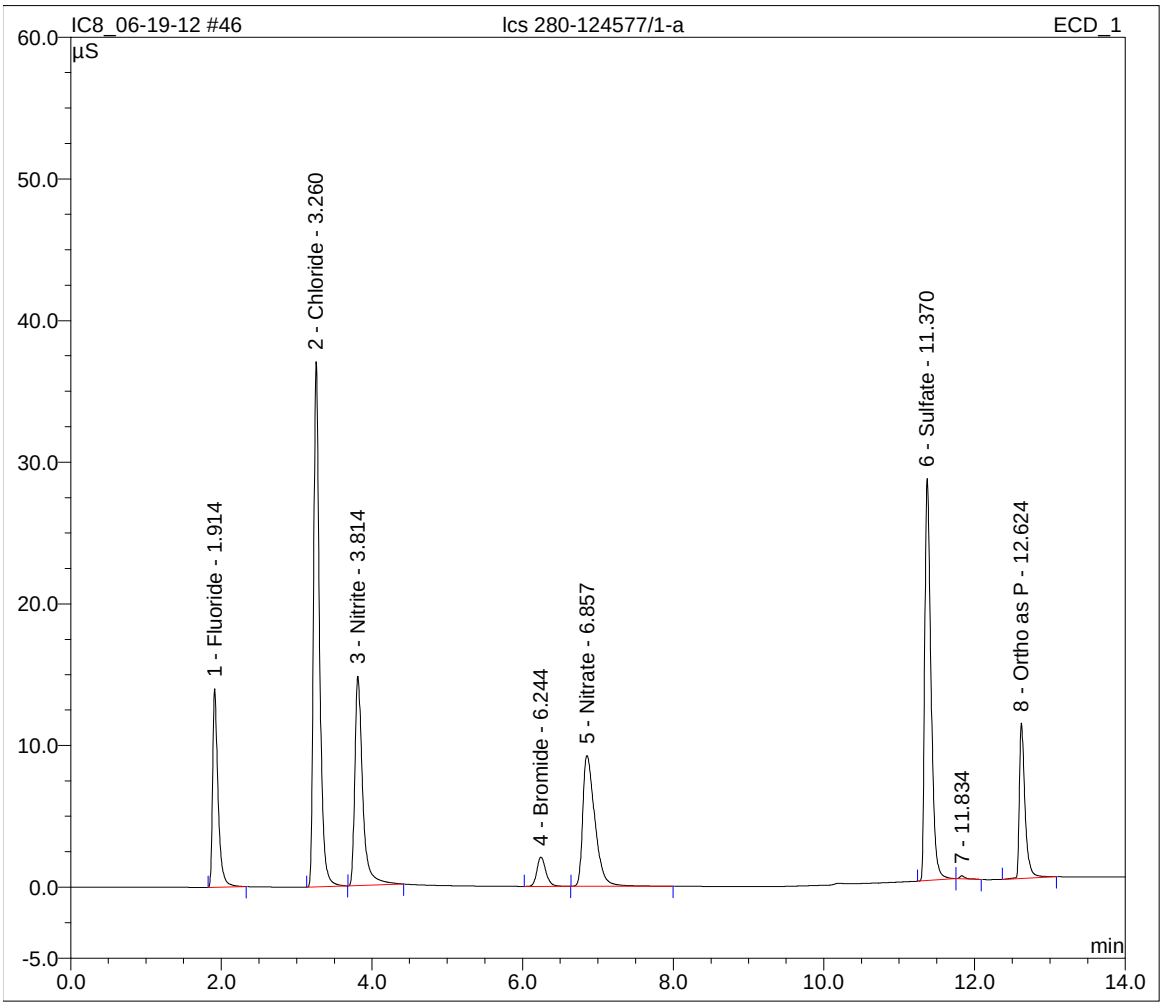
Sample Name:	**280-30209-c-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 19:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.098	1.226	2.0014
2	3.26	Chloride	BMB	6.054	65.341	222.1094
3	6.26	Bromide	BMB	0.011	0.083	1.2263
4	6.94	Nitrate	BMB	0.179	1.162	2.7648
5	11.35	Sulfate	BMb	4.398	40.507	204.9489
7	12.67	Ortho as P	BMB	0.112	0.279	-0.1486
		TOTAL:		10.85	108.60	432.90



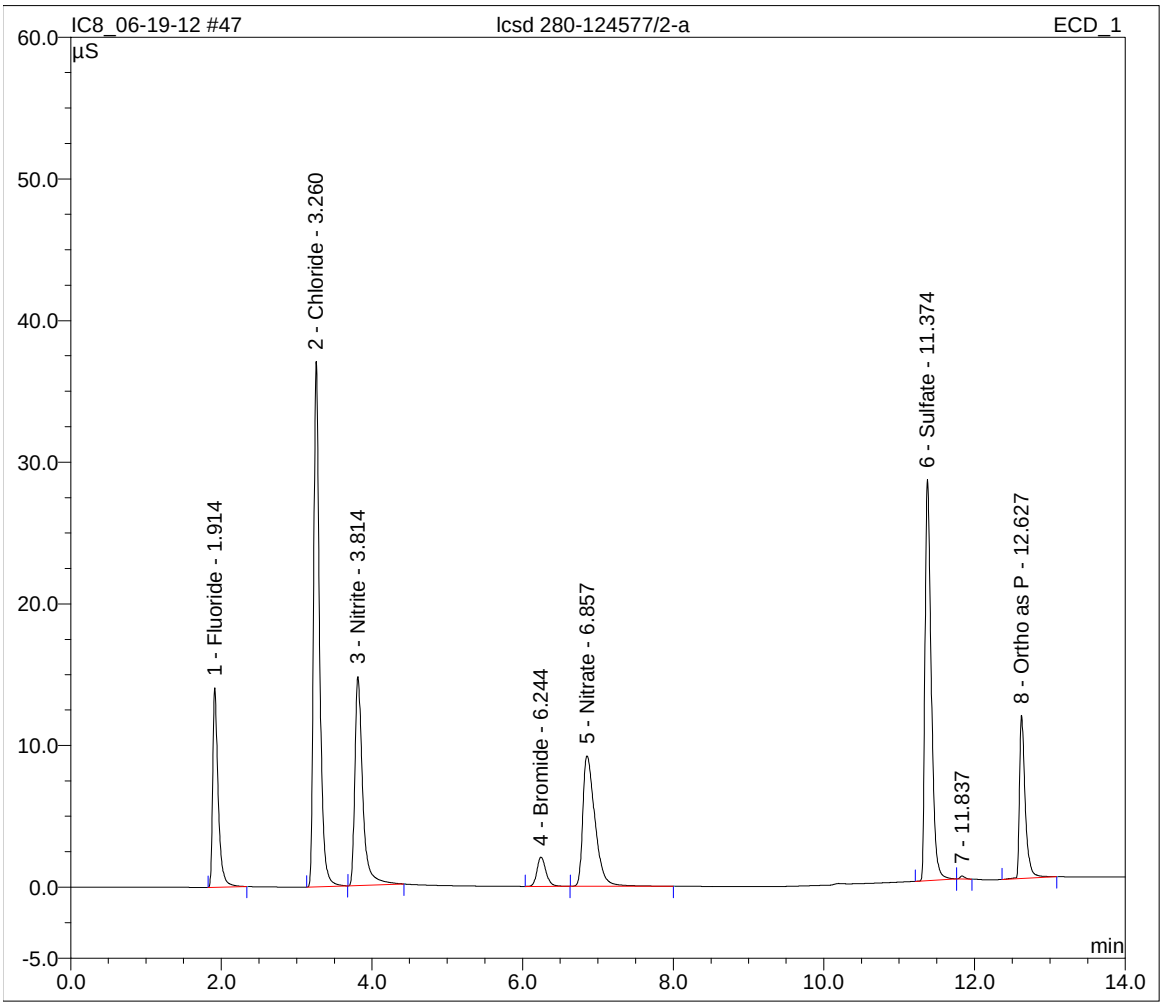
Sample Name:	**lcs 280-124577/1-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 19:30**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.169	14.001	5.0000
2	3.26	Chloride	BMB	3.415	37.070	25.0815
3	3.81	Nitrite	BMB	1.781	14.780	4.8763
4	6.24	Bromide	BMB	0.286	2.063	4.9874
5	6.86	Nitrate	BMB	1.719	9.205	5.0083
6	11.37	Sulfate	BMb	2.737	28.366	25.3956
8	12.62	Ortho as P	BMB	0.948	10.957	4.3950
		TOTAL:		12.05	116.44	74.74



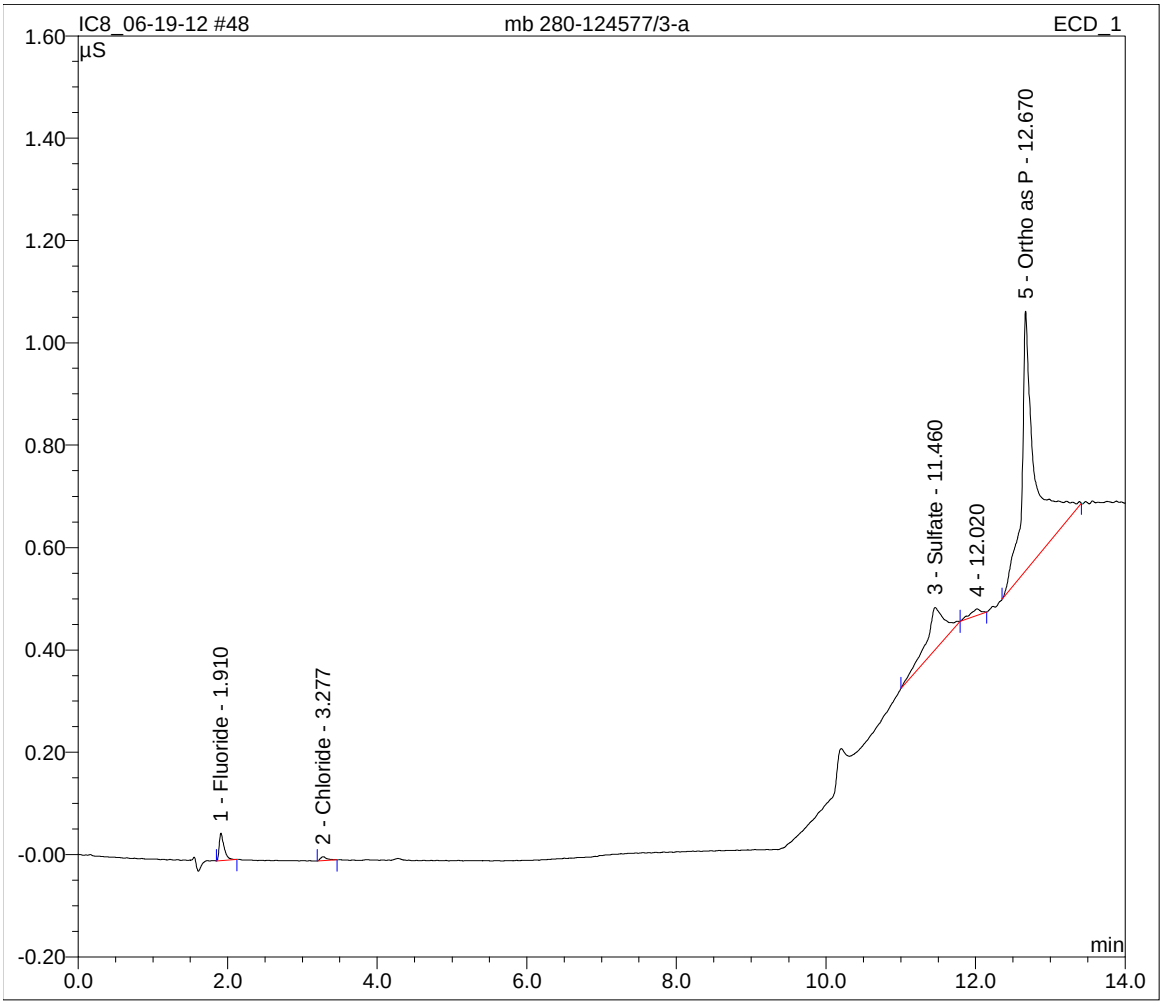
Sample Name:	**lcsd 280-124577/2-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 19:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.180	14.077	5.0453
2	3.26	Chloride	BMB	3.413	37.076	25.0727
3	3.81	Nitrite	BMB	1.780	14.767	4.8737
4	6.24	Bromide	BMB	0.286	2.061	4.9868
5	6.86	Nitrate	BMB	1.722	9.190	5.0175
6	11.37	Sulfate	BMB	2.734	28.308	25.3687
8	12.63	Ortho as P	BMB	1.007	11.500	4.7088
		TOTAL:		12.12	116.98	75.07



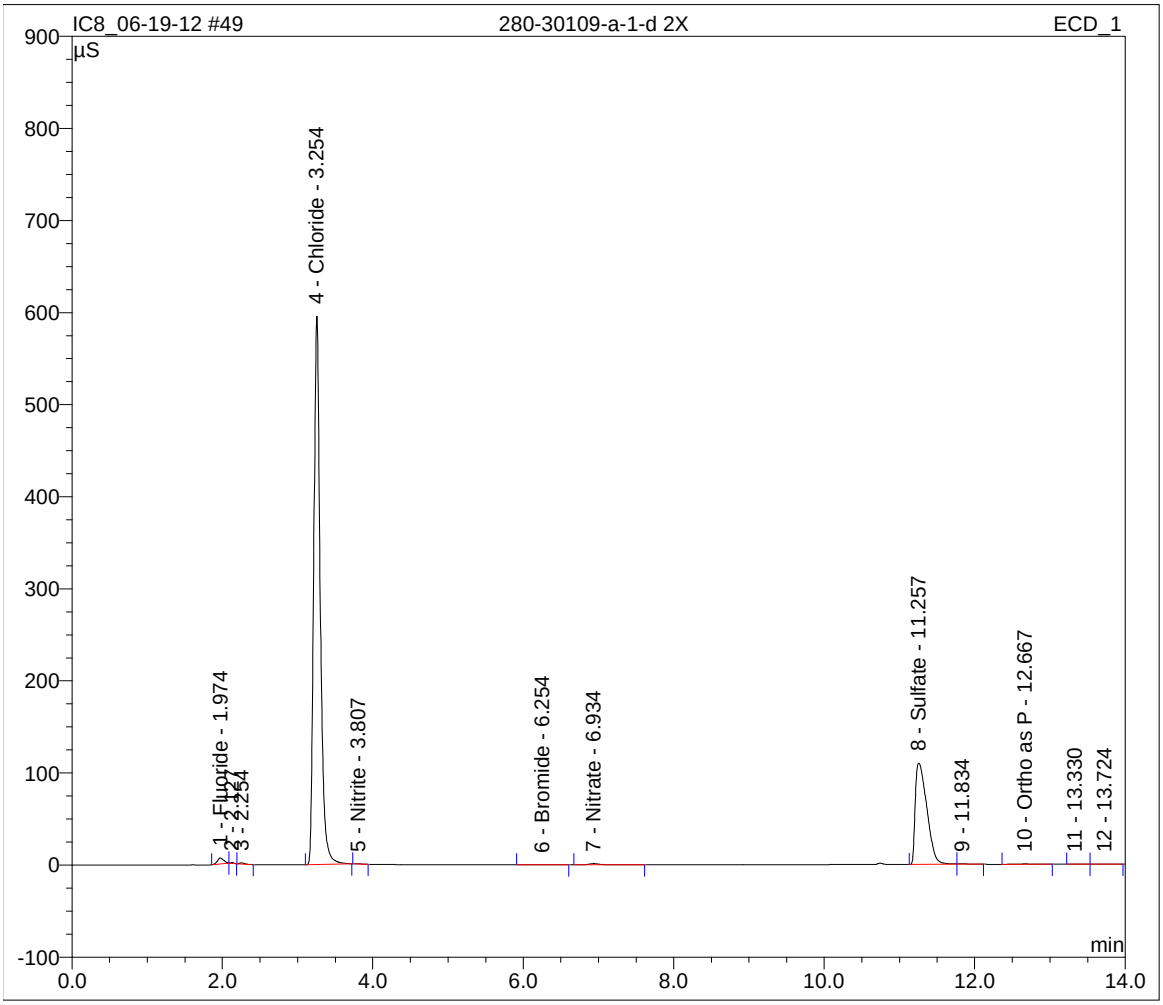
Sample Name:	**mb 280-124577/3-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 20:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.004	0.053	-0.0053
2	3.28	Chloride	BMB	0.001	0.008	0.0709
3	11.46	Sulfate	BMB	0.023	0.082	-0.0755
5	12.67	Ortho as P	BMB	0.108	0.508	-0.0508
TOTAL:				0.14	0.65	-0.06



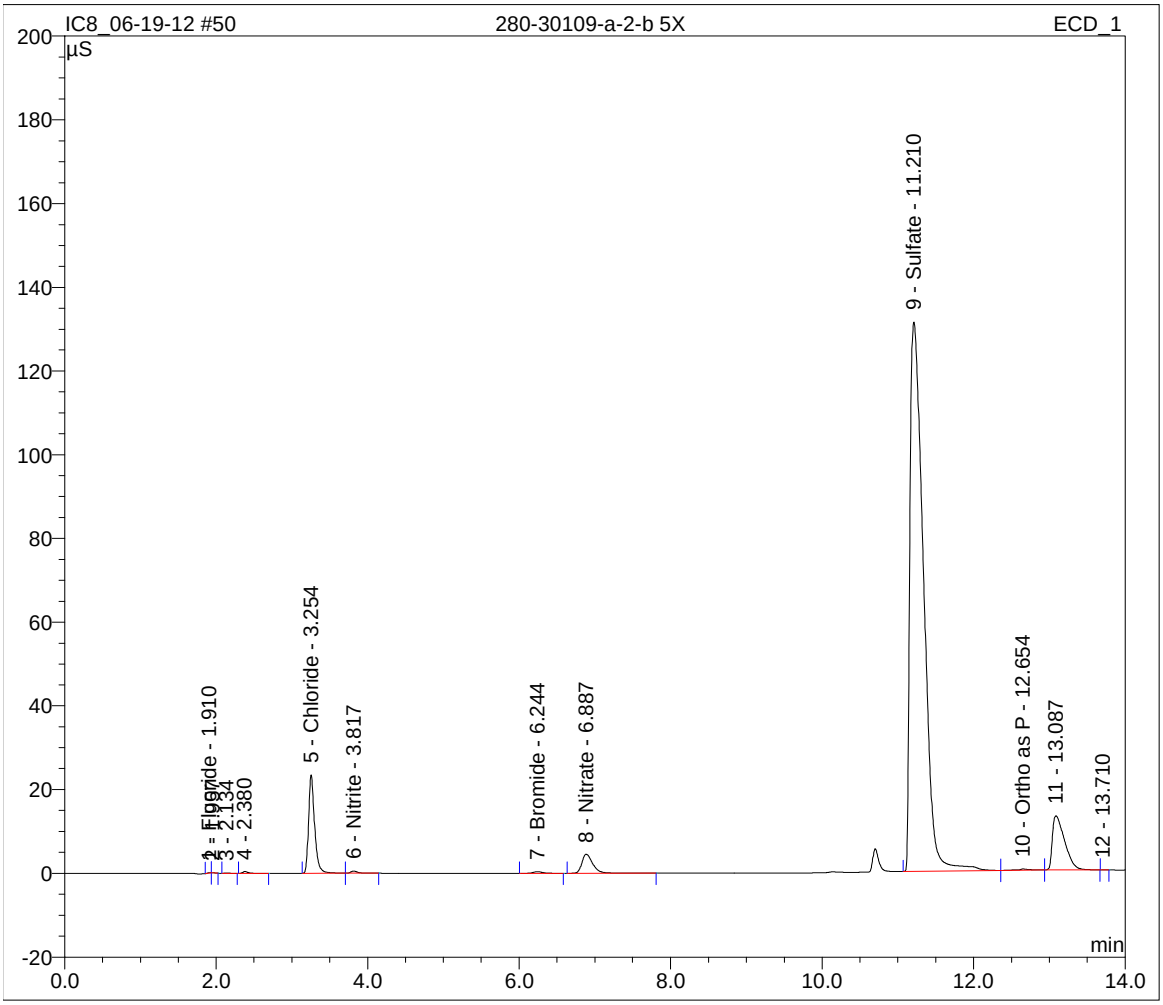
Sample Name:	**280-30109-a-1-d 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 20:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.97	Fluoride	BMb	0.624	6.406	5.3113
4	3.25	Chloride	BMB	59.532	595.676	872.4245
5	3.81	Nitrite	BMB	0.025	0.293	0.2004
6	6.25	Bromide	BMB	0.020	0.127	0.7714
7	6.93	Nitrate	BMB	0.203	1.273	1.2444
8	11.26	Sulfate	BMb	19.460	109.736	364.7092
10	12.67	Ortho as P	BMB	0.070	0.464	-0.5025
		TOTAL:		79.93	713.97	1244.16



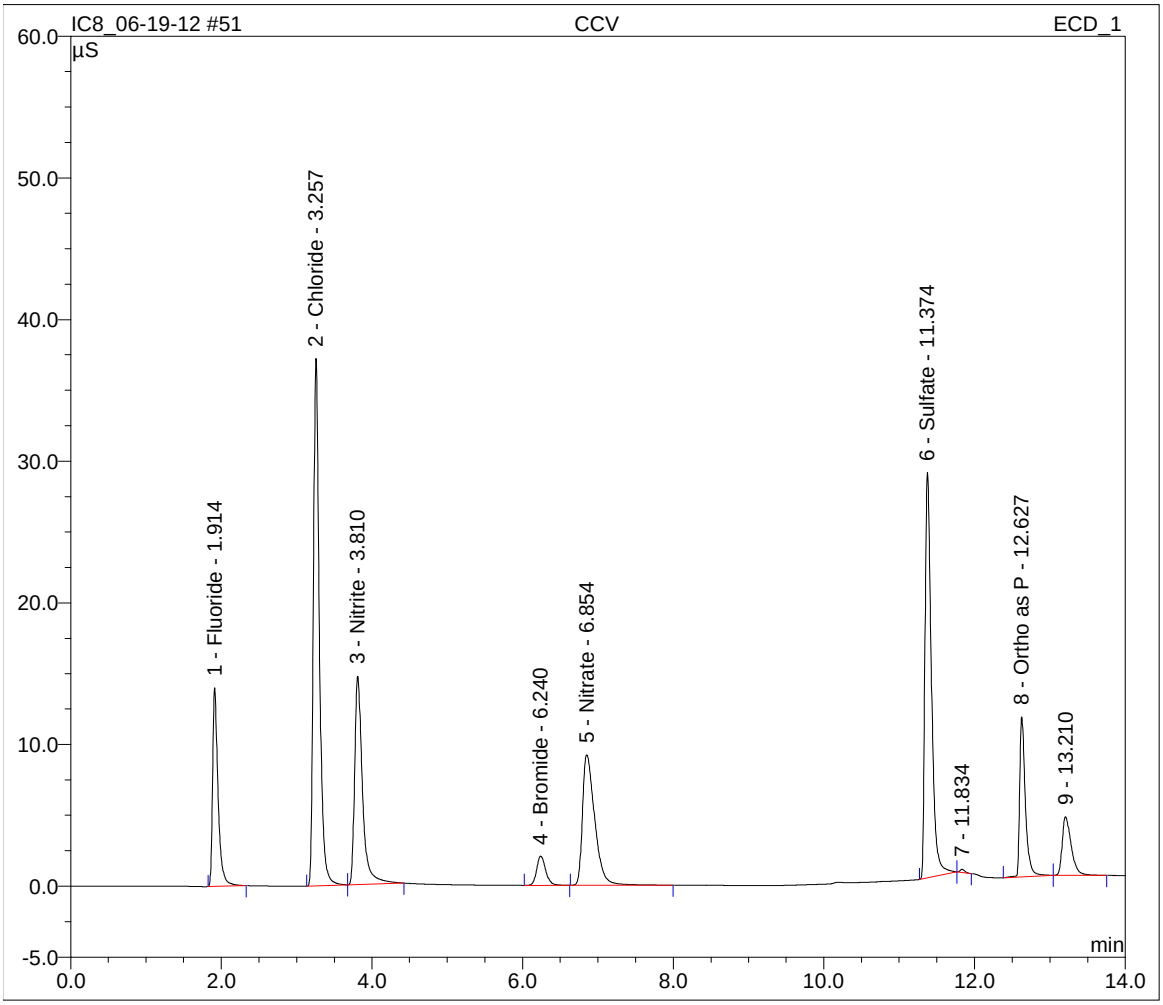
Sample Name:	**280-30109-a-2-b 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 20:54**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.003	0.068	-0.0419
5	3.25	Chloride	BMb	2.175	23.536	79.9960
6	3.82	Nitrite	bMB	0.048	0.495	0.8172
7	6.24	Bromide	BMB	0.054	0.396	4.9452
8	6.89	Nitrate	BMB	0.758	4.538	11.1462
9	11.21	Sulfate	BMB	27.259	131.297	1277.7798
10	12.65	Ortho as P	bMB	0.046	0.285	-1.9135
		TOTAL:		30.34	160.61	1372.73



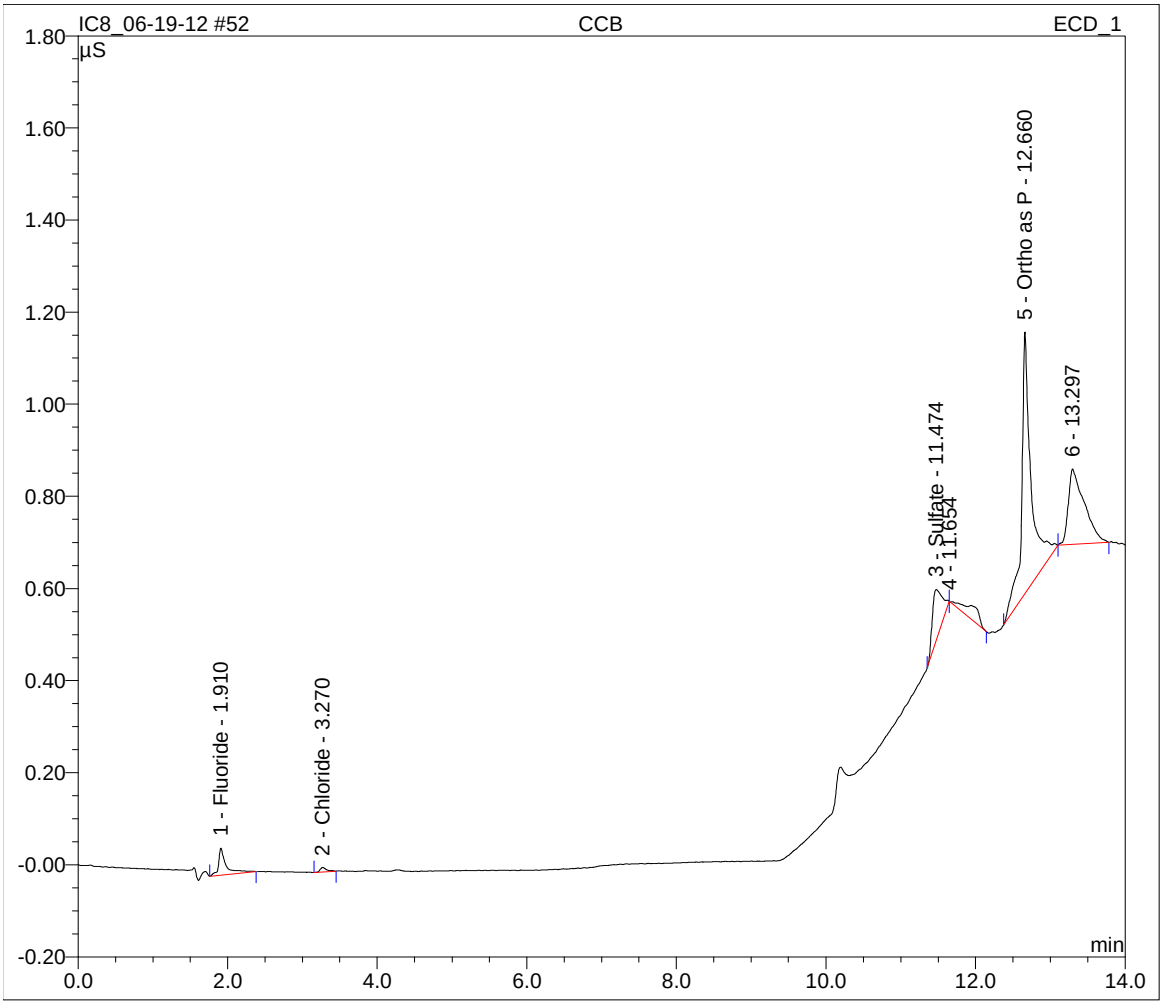
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 21:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.175	14.021	5.0238
2	3.26	Chloride	BMB	3.430	37.218	25.1948
3	3.81	Nitrite	bMB	1.774	14.723	4.8562
4	6.24	Bromide	BMB	0.287	2.063	5.0141
5	6.85	Nitrate	BMB	1.730	9.201	5.0421
6	11.37	Sulfate	BMb	2.849	28.618	26.4480
8	12.63	Ortho as P	BMb	0.979	11.281	4.5604
		TOTAL:		12.22	117.12	76.14



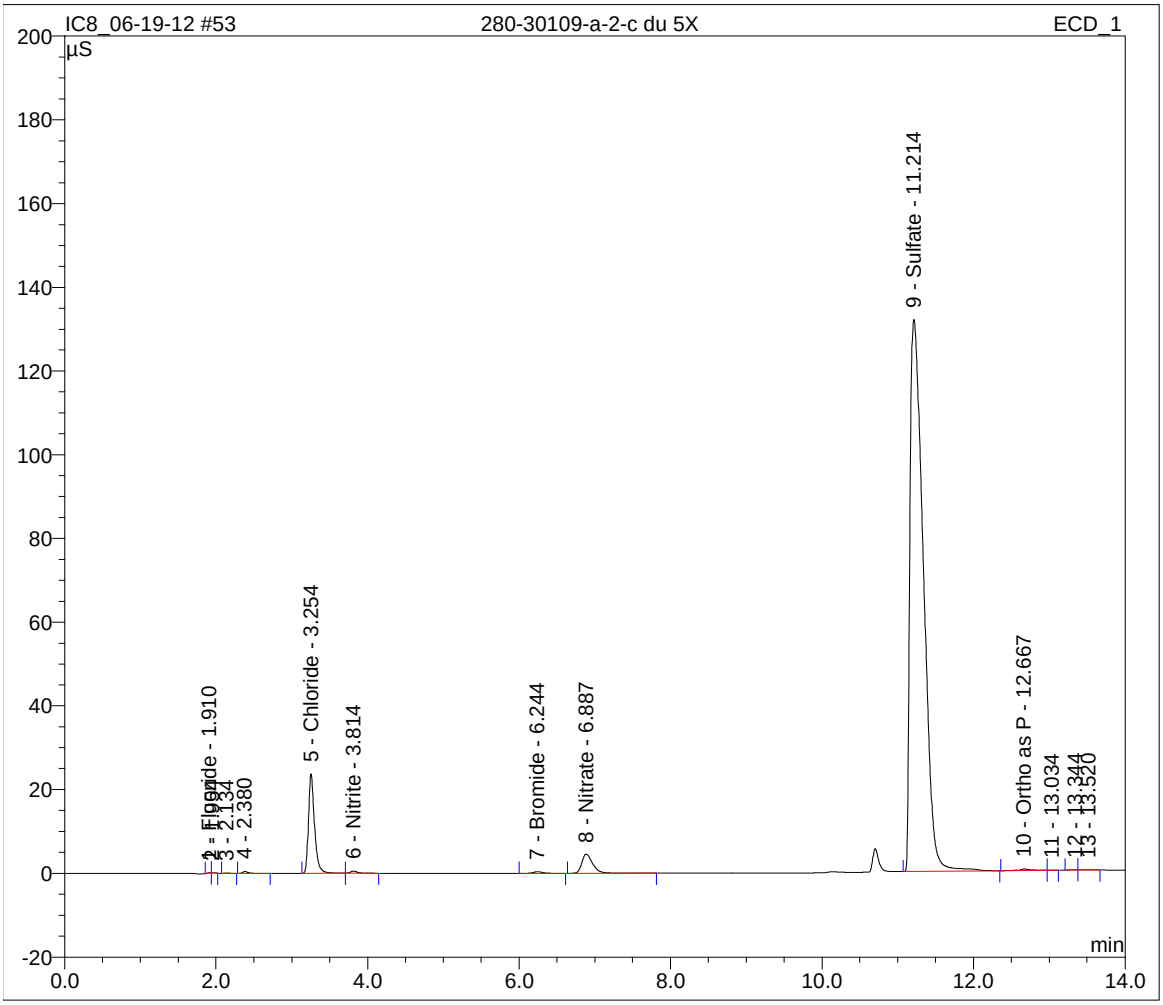
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 21:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.007	0.059	0.0073
2	3.27	Chloride	BMB	0.001	0.010	0.0723
3	11.47	Sulfate	BMB	0.016	0.111	-0.1379
5	12.66	Ortho as P	BMB	0.084	0.568	-0.1819
TOTAL:				0.11	0.75	-0.24



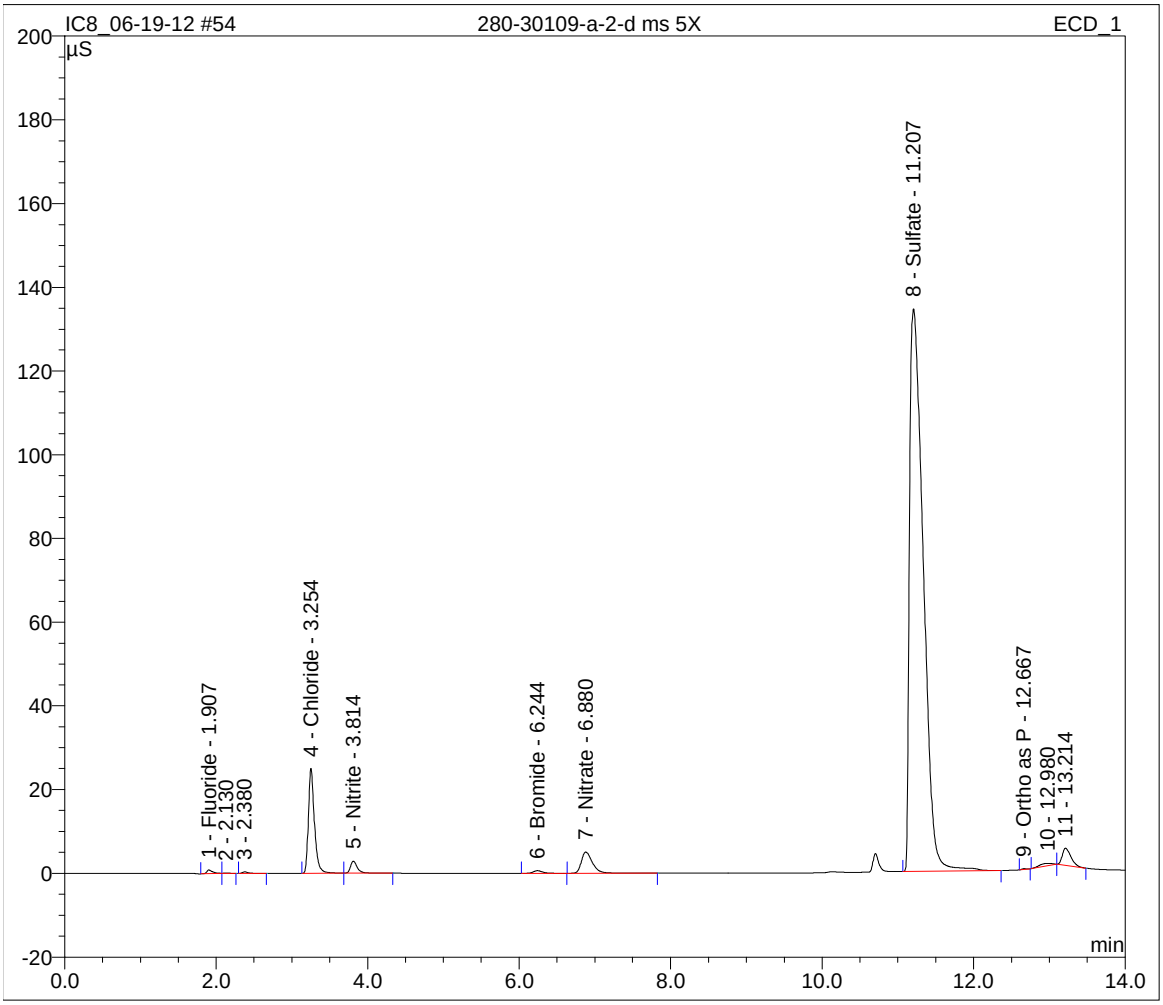
Sample Name:	**280-30109-a-2-c du 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 21:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.004	0.069	-0.0376
5	3.25	Chloride	BMb	2.195	23.713	80.7215
6	3.81	Nitrite	bMB	0.048	0.496	0.8212
7	6.24	Bromide	BMB	0.055	0.397	4.9962
8	6.89	Nitrate	BMB	0.765	4.553	11.2422
9	11.21	Sulfate	BMB	27.081	131.911	1269.4393
10	12.67	Ortho as P	BMB	0.056	0.375	-1.6342
		TOTAL:		30.20	161.51	1365.55



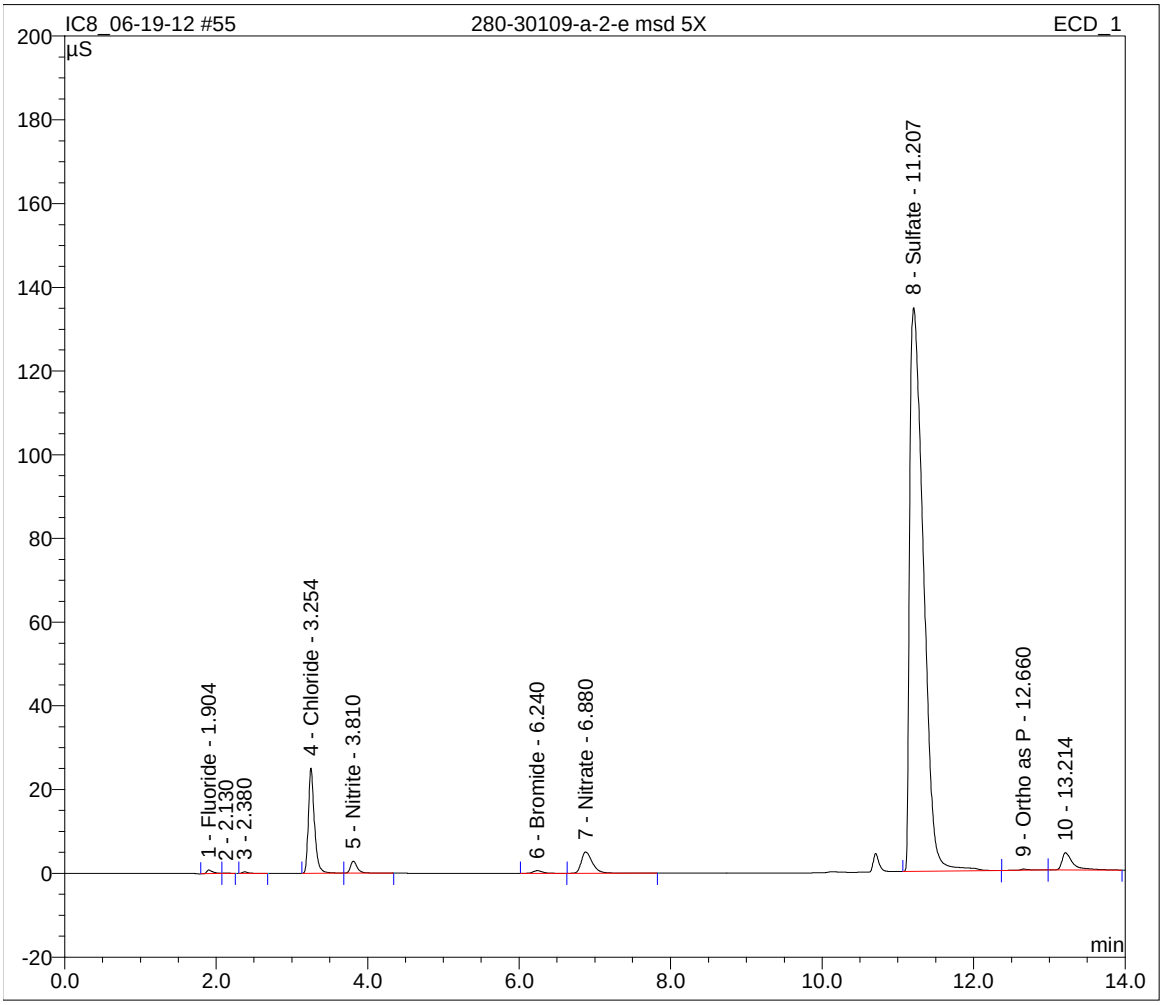
Sample Name:	**280-30109-a-2-d ms 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 22:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.077	0.883	1.5450
4	3.25	Chloride	BMb	2.316	25.053	85.1654
5	3.81	Nitrite	bMB	0.295	2.829	4.1709
6	6.24	Bromide	BMB	0.088	0.634	7.8196
7	6.88	Nitrate	BMB	0.863	5.070	12.6585
8	11.21	Sulfate	BMB	28.224	134.465	1323.0812
9	12.67	Ortho as P	BMB	0.011	0.178	-2.8176
		TOTAL:		31.87	169.11	1431.62



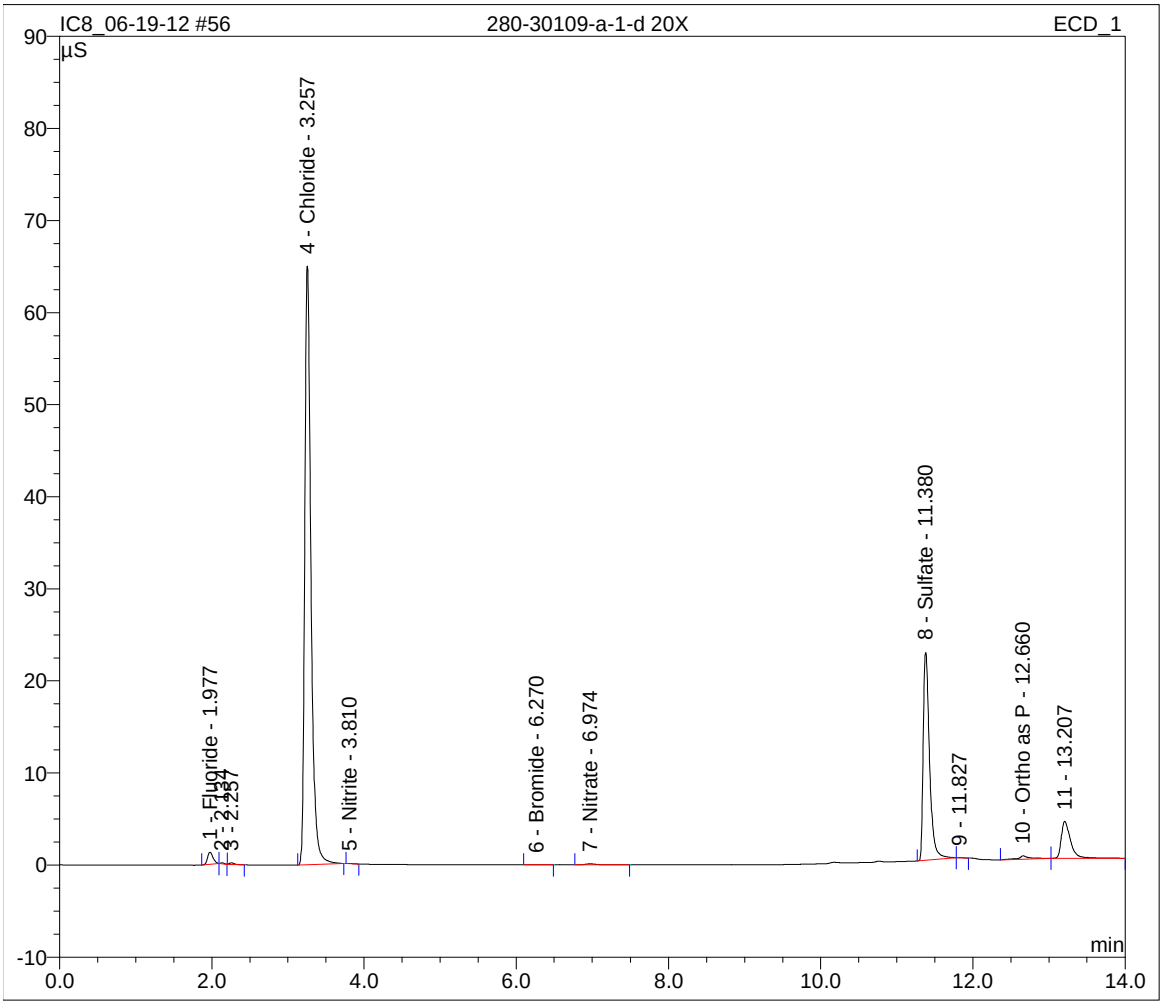
Sample Name:	**280-30109-a-2-e msd 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 22:18**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMb	0.077	0.887	1.5463
4	3.25	Chloride	BMb	2.322	25.118	85.4004
5	3.81	Nitrite	bMB	0.296	2.837	4.1871
6	6.24	Bromide	BMB	0.088	0.636	7.8276
7	6.88	Nitrate	BMB	0.865	5.084	12.6957
8	11.21	Sulfate	BMB	28.343	134.760	1328.6517
9	12.66	Ortho as P	BMB	0.049	0.309	-1.8204
		TOTAL:		32.04	169.63	1438.49



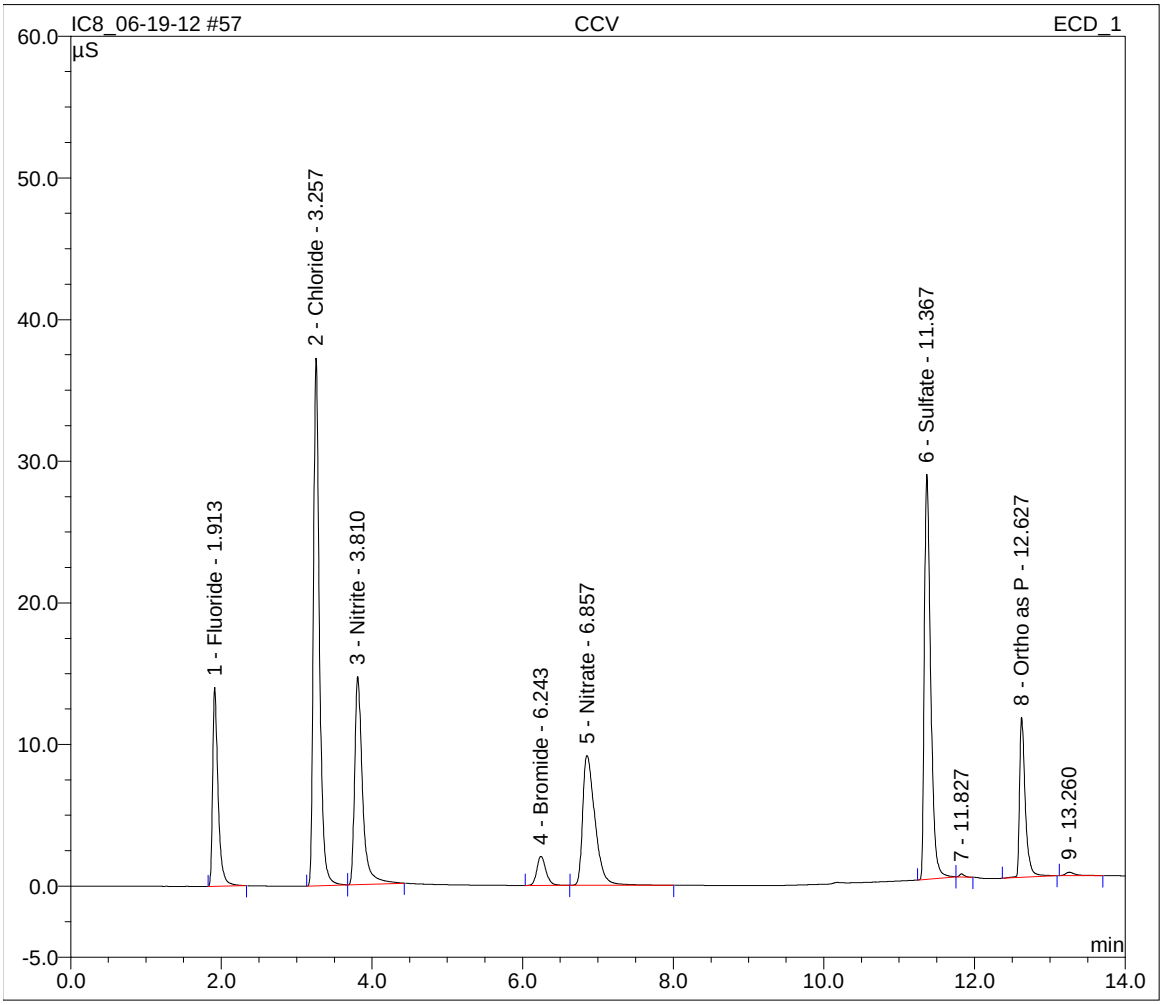
Sample Name:	**280-30109-a-1-d 20X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**20.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 22:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.98	Fluoride	BMb	0.108	1.304	8.8463
4	3.26	Chloride	BMB	6.098	65.035	894.8678
5	3.81	Nitrite	BMB	0.002	0.025	0.7698
6	6.27	Bromide	BMB	0.002	0.012	1.5492
7	6.97	Nitrate	BMB	0.019	0.115	1.7822
8	11.38	Sulfate	BMb	2.156	22.570	398.9330
10	12.66	Ortho as P	BMB	0.059	0.355	-6.2557
		TOTAL:		8.44	89.42	1300.49



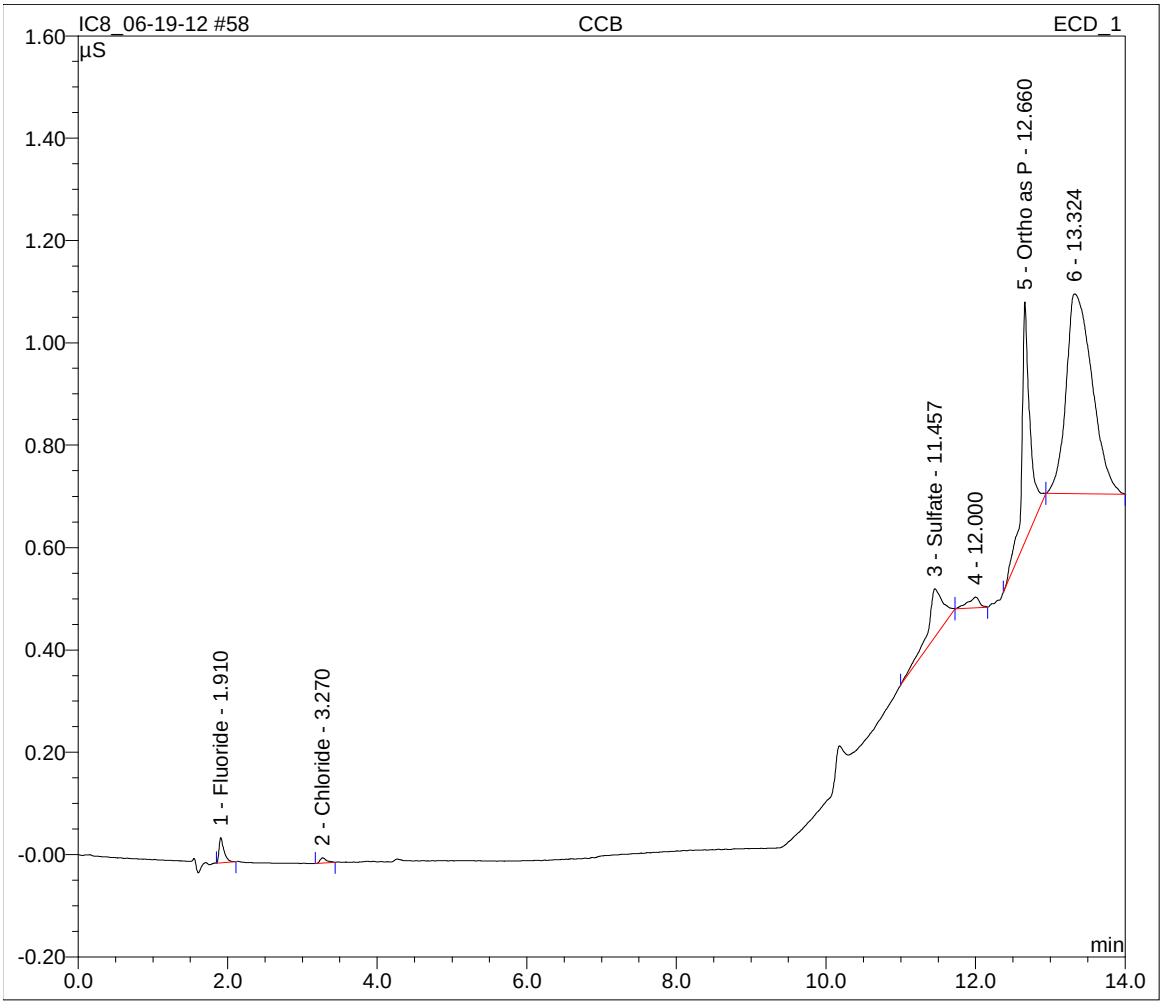
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 22:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.176	14.020	5.0260
2	3.26	Chloride	BMB	3.442	37.252	25.2857
3	3.81	Nitrite	bMB	1.771	14.684	4.8494
4	6.24	Bromide	BMB	0.288	2.051	5.0234
5	6.86	Nitrate	BMB	1.734	9.155	5.0529
6	11.37	Sulfate	BMb	2.780	28.581	25.7975
8	12.63	Ortho as P	BMB	0.986	11.292	4.5944
		TOTAL:		12.18	117.03	75.63



Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 23:09**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.004	0.049	-0.0068
2	3.27	Chloride	BMB	0.001	0.010	0.0729
3	11.46	Sulfate	BMB	0.022	0.094	-0.0889
5	12.66	Ortho as P	BMB	0.059	0.469	-0.3096
		TOTAL:		0.09	0.62	-0.33



Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/19/2012 9:29:41 AM by WETCHEMD
#Samples: 59 Last Update: 6/20/2012 9:58:29 AM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
1	RT CHECK	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:14:11 PM
2	cal1	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:31:00 PM
3	cal2	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:47:48 PM
4	cal3	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:04:36 PM
5	cal4	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:21:25 PM
6	cal5	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:38:13 PM
7	cal6	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:55:01 PM
8	BLK	Unknown	6	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:11:49 PM
9	ICV STD#00816	Unknown	201	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:28:37 PM
10	ICB	Unknown	186	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:45:26 PM
11	ICV STD#00818	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 9:18:45 AM
12	ICB	Unknown	187	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 9:42:42 AM
13	MRL 0.02	Unknown	202	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 9:59:31 AM
14	LCS STD#00818	Unknown	194	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 10:16:19 AM
15	LCSD	Unknown	193	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 10:33:07 AM
16	MRL 0.05	Unknown	194	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 10:49:56 AM
17	MB	Unknown	143	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 11:06:44 AM
18	280-30184-b-1	Unknown	139	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 11:23:32 AM
19	DU 280-30184-b-1	Unknown	175	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 11:40:21 AM
20	MS 280-30184-b-1	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 11:57:09 AM
21	MSD 280-30184-b-1	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 12:13:57 PM
22	280-30184-b-2	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 12:30:46 PM
23	280-30184-b-3	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 12:47:34 PM
24	280-30184-b-4	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 1:04:22 PM
25	280-30184-b-5	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 1:21:10 PM
26	280-30184-b-6	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 1:37:59 PM
27	280-30184-b-7	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 1:54:47 PM
28	CCV	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 2:11:35 PM
29	CCB	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 2:28:23 PM
30	280-30184-b-8	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 2:45:12 PM
31	280-30187-a-4	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 3:02:00 PM
32	280-30192-d-1	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 3:35:36 PM
33	280-30192-d-2	Unknown	411	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 3:52:25 PM
34	280-30192-d-3	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 4:09:13 PM
35	280-30192-d-4	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 4:26:02 PM
36	280-30192-d-5	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 4:42:50 PM
37	DU 280-30184-b-7	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 4:59:38 PM
38	280-30209-c-1	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 5:16:28 PM
39	CCV	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 5:33:16 PM
40	CCB	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 5:50:05 PM
41	280-30184-b-2 5X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 6:06:53 PM
42	280-30184-b-3 5X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 6:23:41 PM
43	280-30184-b-4 5X	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 6:40:29 PM
44	280-30187-a-4 10X	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 6:57:18 PM

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/19/2012 9:29:41 AM by WETCHEMD
#Samples: 59 Last Update: 6/20/2012 9:58:29 AM by WETCHEMD

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	RT CHECK	1.0000	1.0000	1.0000	100		EMK
2	cal1	1.0000	1.0000	1.0000	101		EMK
3	cal2	1.0000	1.0000	1.0000	102		EMK
4	cal3	1.0000	1.0000	1.0000	103		EMK
5	cal4	1.0000	1.0000	1.0000	104		EMK
6	cal5	1.0000	1.0000	1.0000	105		EMK
7	cal6	1.0000	1.0000	1.0000	106		EMK
8	BLK	1.0000	1.0000	1.0000	107		EMK
9	ICV STD#00816	1.0000	1.0000	1.0000	108		EMK
10	ICB	1.0000	1.0000	1.0000	109		EMK
11	ICV STD#00818	1.0000	1.0000	1.0000	110		EMK
12	ICB	1.0000	1.0000	1.0000	111		EMK
13	MRL 0.02	1.0000	1.0000	1.0000	112		EMK
14	LCS STD#00818	1.0000	1.0000	1.0000	113		EMK
15	LCSD	1.0000	1.0000	1.0000	114		EMK
16	MRL 0.05	1.0000	1.0000	1.0000	115		EMK
17	MB	1.0000	1.0000	1.0000	116		EMK
18	280-30184-b-1	1.0000	1.0000	1.0000	117		EMK
19	DU 280-30184-b-1	1.0000	1.0000	1.0000	118		EMK
20	MS 280-30184-b-1	1.0000	1.0000	1.0000	119		EMK
21	MSD 280-30184-b-1	1.0000	1.0000	1.0000	120		EMK
22	280-30184-b-2	1.0000	1.0000	1.0000	121		EMK
23	280-30184-b-3	1.0000	1.0000	1.0000	122		EMK
24	280-30184-b-4	1.0000	1.0000	1.0000	123		EMK
25	280-30184-b-5	1.0000	1.0000	1.0000	124		EMK
26	280-30184-b-6	1.0000	1.0000	1.0000	125		EMK
27	280-30184-b-7	1.0000	1.0000	1.0000	126		EMK
28	CCV	1.0000	1.0000	1.0000	127		EMK
29	CCB	1.0000	1.0000	1.0000	128		EMK
30	280-30184-b-8	1.0000	1.0000	1.0000	129		EMK
31	280-30187-a-4	1.0000	1.0000	1.0000	130		EMK
32	280-30192-d-1	1.0000	1.0000	1.0000	131		EMK
33	280-30192-d-2	1.0000	1.0000	1.0000	132		EMK
34	280-30192-d-3	1.0000	1.0000	1.0000	133		EMK
35	280-30192-d-4	1.0000	1.0000	1.0000	134		EMK
36	280-30192-d-5	1.0000	1.0000	1.0000	135		EMK
37	DU 280-30184-b-7	1.0000	1.0000	1.0000	136		EMK
38	280-30209-c-1	1.0000	1.0000	1.0000	137		EMK
39	CCV	1.0000	1.0000	1.0000	138		EMK
40	CCB	1.0000	1.0000	1.0000	139		EMK
41	280-30184-b-2 5X	1.0000	5.0000	1.0000	140		EMK
42	280-30184-b-3 5X	1.0000	5.0000	1.0000	141		EMK
43	280-30184-b-4 5X	1.0000	5.0000	1.0000	142		EMK
44	280-30187-a-4 10X	1.0000	10.0000	1.0000	143		EMK

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/19/2012 9:29:41 AM by WETCHEMD
#Samples: 59 Last Update: 6/20/2012 9:58:29 AM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
45	280-30209-c-1 5X	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 7:14:06 PM
46	lcs 280-124577/1-a	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 7:30:54 PM
47	lcsd 280-124577/2-a	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 7:47:43 PM
48	mb 280-124577/3-a	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 8:04:31 PM
49	280-30109-a-1-d 2X	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 8:21:19 PM
50	280-30109-a-2-b 5X	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 8:54:56 PM
51	CCV	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 9:11:44 PM
52	CCB	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 9:28:33 PM
53	280-30109-a-2-c du 5X	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 9:45:21 PM
54	280-30109-a-2-d ms 5X	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 10:02:10 PM
55	280-30109-a-2-e msd 5X	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 10:18:58 PM
56	280-30109-a-1-d 20X	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 10:35:46 PM
57	CCV	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 10:52:34 PM
58	CCB	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/19/2012 11:09:23 PM
59	END	Unknown	421	10.0	stop	7 ANION AS11	Finished	6/19/2012 11:26:11 PM

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/19/2012 9:29:41 AM by WETCHEMD
#Samples: 59 Last Update: 6/20/2012 9:58:29 AM by WETCHEMD

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
45	280-30209-c-1 5X	1.0000	5.0000	1.0000	144		EMK
46	lcs 280-124577/1-a	1.0000	1.0000	1.0000	145		EMK
47	lcsd 280-124577/2-a	1.0000	1.0000	1.0000	146		EMK
48	mb 280-124577/3-a	1.0000	1.0000	1.0000	147		EMK
49	280-30109-a-1-d 2X	1.0000	2.0000	1.0000	148		EMK
50	280-30109-a-2-b 5X	1.0000	5.0000	1.0000	149		EMK
51	CCV	1.0000	1.0000	1.0000	150		EMK
52	CCB	1.0000	1.0000	1.0000	151		EMK
53	280-30109-a-2-c du 5X	1.0000	5.0000	1.0000	152		EMK
54	280-30109-a-2-d ms 5X	1.0000	5.0000	1.0000	153		EMK
55	280-30109-a-2-e msd 5X	1.0000	5.0000	1.0000	154		EMK
56	280-30109-a-1-d 20X	1.0000	20.0000	1.0000	155		EMK
57	CCV	1.0000	1.0000	1.0000	156		EMK
58	CCB	1.0000	1.0000	1.0000	157		EMK
59	END	1.0000	1.0000	1.0000	158		EMK

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

	Pressure.LowerLimit =	200 [psi]
	Pressure.UpperLimit =	3000 [psi]
	%A.Equate =	"DI H2O"
	CR_TC =	On
	Pump_InjectValve.State	LoadPosition
	Data_Collection_Rate =	5.0 [Hz]
	CellTemperature.Nominal =	35.0 [°C]
	ColumnTemperature.Nominal =	30.0 [°C]
	Suppressor_Type =	ASRS_4mm
	; Pump_ECD.Hydroxide =	50.0
	; Pump_ECD.Recommended Current =	124
	; Pump_ECD.Carbonate =	0.0
	; Pump_ECD.Bicarbonate =	0.0
	; Pump_ECD.Tetraborate =	0.0
	; Pump_ECD.Other eluent =	0.0
	Suppressor_Current =	125 [mA]
	Flow =	1.00 [ml/min]
-2.700	Pump_ECD_Relay_1.Open	Duration=0.01
	Concentration =	10.00 [mM]
	Curve =	5
-2.500	Pump_ECD_Relay_1.Closed	Duration=0.01
0.000	Autozero	
	ECD_1.AcqOn	
	Pump_InjectValve.InjectPosition	Duration=720.00
7.500	Concentration =	10.00 [mM]
	Curve =	5
10.500	Concentration =	40.00 [mM]
	Curve =	5
10.600	Concentration =	50.00 [mM]
	Curve =	5
12.500	Concentration =	50.00 [mM]
	Curve =	5
12.600	Concentration =	10.00 [mM]
	Curve =	5
13.000	Concentration =	10.00 [mM]

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Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Curve =                          5

14.000     ECD_1.AcqOff
           End
```

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ
Timebase: ICS-8
Created: 3/20/2008 10:44:59 AM by kudlae
Changed: 3/31/2008 10:13:48 AM by kudlae

No.	Channel	Operation	Parameters

Title: Stop
Datasource: D3YCYMF1_local Created: 3/11/2008 4:10:47 PM by Test America Labs
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ
Timebase: ICS-8 Changed: 3/11/2008 4:10:47 PM by Test America Labs

```
           ColumnTemperature =                Off
           CellTemperature.Nominal =          Off
; Pump_ECD.Hydroxide =                        50.0
; Pump_ECD.Recommended Current =              124
; Pump_ECD.Carbonate =                        0.0
; Pump_ECD.Bicarbonate =                      0.0
; Pump_ECD.Tetraborate =                      0.0
; Pump_ECD.Other eluent =                     0.0
           Pressure.LowerLimit =              200
           Pressure.UpperLimit =              3000
           %A.Equate =                        "DI H2O"
           CR_TC =                            Off
           ;LoadPosition
           Data_Collection_Rate =             5.0
           Suppressor_Type =                  ASRS_4mm
           Suppressor_Current =               124
           Suppressor_Mode =                  Off
           ECD_Total.Step =                   0.50
           ECD_Total.Average =                Off
           Channel_Pressure.Step =            0.50
           Channel_Pressure.Average =         Off

           Pump_ECD_Relay_1.Open
           Concentration =                    10.00
           Curve =                            5

           Pump_ECD_Relay_1.State             Open
           Mode =                             Off
           Flow =                             1.00

 0.000     off

           End
```

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Title: Stop
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ
Timebase: ICS-8
Created: 3/11/2008 4:10:47 PM by Test America Labs
Changed: 3/11/2008 4:10:47 PM by Test America Labs

No.	Channel	Operation	Parameters

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Blank Run Subtraction: No Blank Run Subtraction

Detection Table:

No.	Ret. Time [min]	Param. Name	Param. Value	Channel
1	0.000	Minimum Area	0.5E-3 "[Signal]*min"	All Channels
2	0.000	Sensitivity	0.8E-3 "[Signal]"	All Channels
3	0.000	Inhibit Integration	On	All Channels
4	0.000	Valley to Valley	On	All Channels
5	0.000	Fronting Sensitivity Factor	5.0	All Channels
6	0.000	Tailing Sensitivity Factor	6.0	All Channels
7	1.500	Void Volume Treatment	On	All Channels
8	1.500	Inhibit Integration	Off	All Channels
9	1.800	Void Volume Treatment	Off	All Channels
10	2.000	Maximum Width	0.75 min	All Channels
11	8.200	Inhibit Integration	On	All Channels
12	11.000	Inhibit Integration	Off	All Channels

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Group	Comment	Amount BLK	Amount cal1
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*		*Autogenerated*	*0.000000*	*0.200000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Amount cal2	Amount cal3	Amount cal4	Amount cal5	Amount cal6
1	*Fluoride*	*1.900 min*	*0.500000*	*1.000000*	*4.000000*	*8.000000*	*10.000000*
2	Acetate	2.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
3	Chloride	3.300 min	2.500000	5.000000	20.000000	40.000000	50.000000
4	Nitrite	3.800 min	0.500000	1.000000	4.000000	8.000000	10.000000
5	Bromide	6.300 min	0.500000	1.000000	4.000000	8.000000	10.000000
6	Nitrate	7.000 min	0.500000	1.000000	4.000000	8.000000	10.000000
7	Sulfate	11.400 min	2.500000	5.000000	20.000000	40.000000	50.000000
8	Ortho as P	12.600 min	0.500000	1.000000	4.000000	8.000000	10.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Left Limit	Right Limit	Group	Resp.Fact.
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*	*0.000*	*0.000*		*1.000000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Comment
1	*Fluoride*	*1.900 min*	*Autogenerated*
2	Acetate	2.700 min	Autogenerated
3	Chloride	3.300 min	Autogenerated
4	Nitrite	3.800 min	Autogenerated
5	Bromide	6.300 min	Autogenerated
6	Nitrate	7.000 min	Autogenerated
7	Sulfate	11.400 min	Autogenerated
8	Ortho as P	12.600 min	Autogenerated

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Smp.No.	Pos.	Inj. Vol.	Weight	ISTD Amount	Dil. Factor	Inj. Date/Time	Sample Comment
1	☒	cal1	2	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:31:	EMK
2	☒	cal2	3	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:47:	EMK
3	☒	cal3	4	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:04:	EMK
4	☒	cal4	5	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:21:	EMK
5	☒	cal5	6	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:38:	EMK
6	☒	cal6	7	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:55:	EMK

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Calib.	Comment
1	☒	cal1	Ok	
2	☒	cal2	Ok	
3	☒	cal3	Ok	
4	☒	cal4	Ok	
5	☒	cal5	Ok	
6	☒	cal6	Ok	

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Sample Condition	Test Condition	Aggregate	Operator	Value	Channel	Peak	N.A.
1									

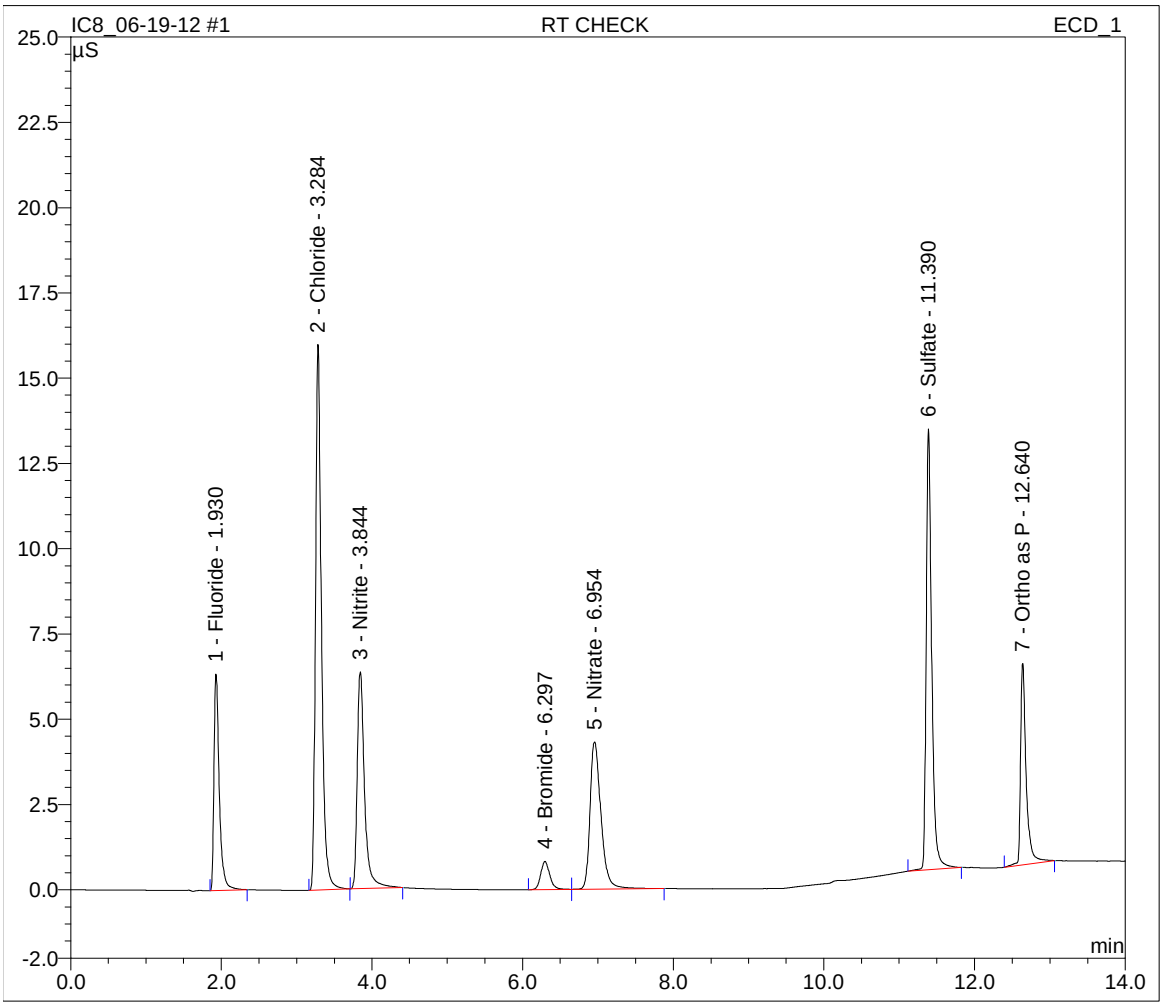
Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-19-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Fail-Action	Result	SST Message	Rounding
1					

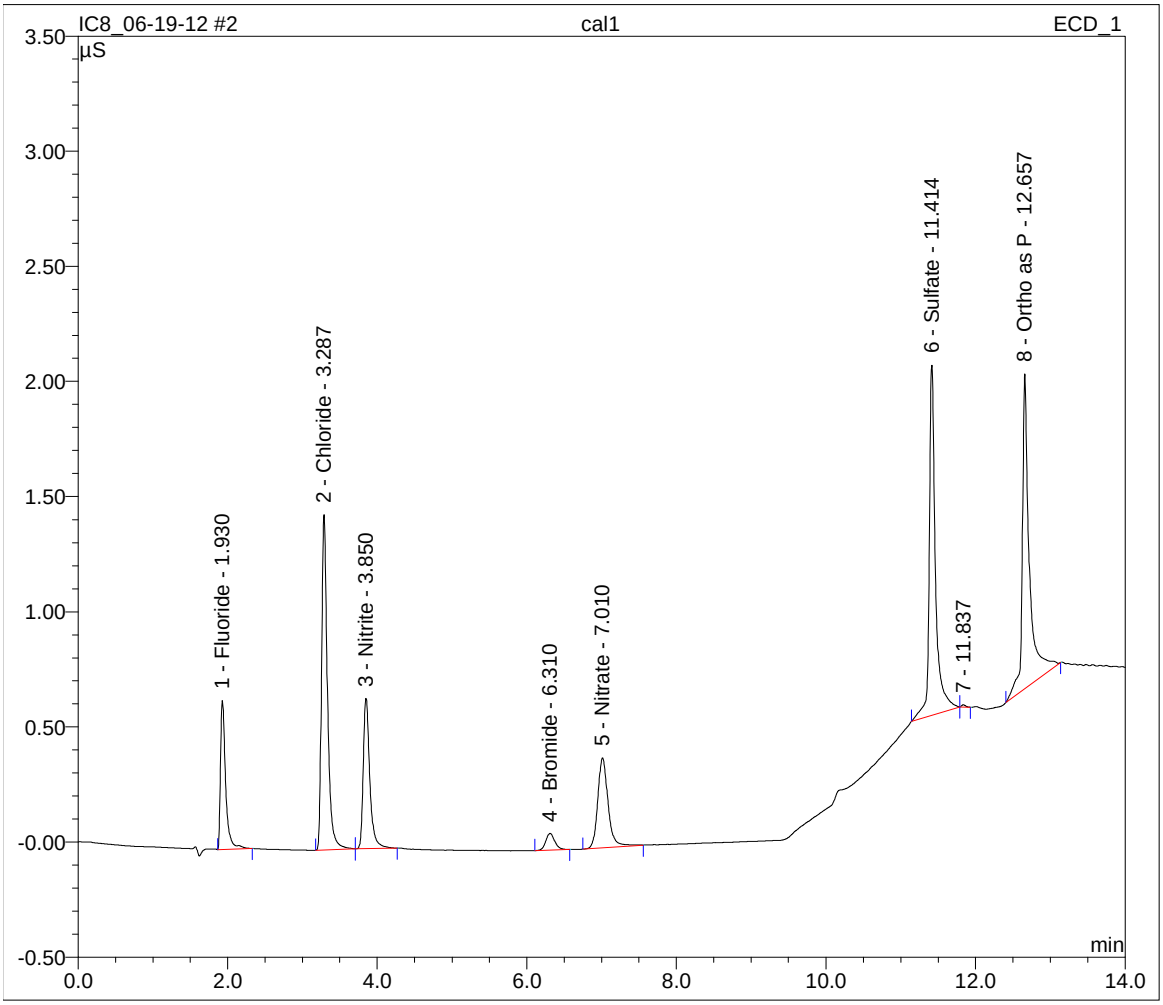
Sample Name:	**RT CHECK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.351	2.1852
2	3.28	Chloride	BMB	1.472	15.998	10.8467
3	3.84	Nitrite	BMB	0.714	6.365	1.9734
4	6.30	Bromide	BMB	0.115	0.825	2.0316
5	6.95	Nitrate	bMB	0.726	4.315	2.1359
6	11.39	Sulfate	BMB	1.098	12.924	10.0120
7	12.64	Ortho as P	BMB	0.504	5.904	2.0466
TOTAL:				5.14	52.68	31.23



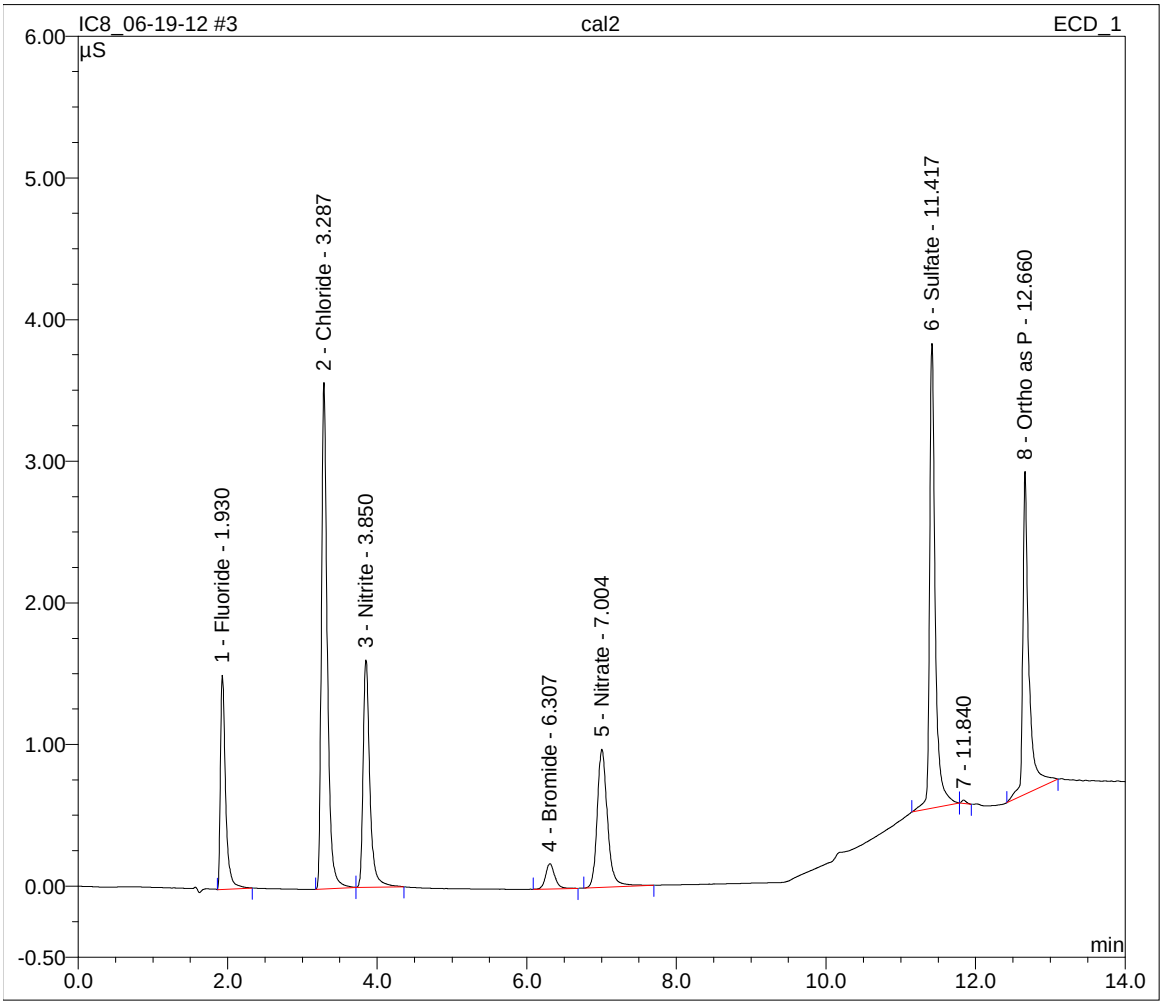
Sample Name:	**cal1**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:31**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.051	0.646	0.1970
2	3.29	Chloride	BMb	0.133	1.457	1.0400
3	3.85	Nitrite	bMB	0.066	0.652	0.2124
4	6.31	Bromide	BMB	0.010	0.073	0.2222
5	7.01	Nitrate	BMB	0.062	0.391	0.2154
6	11.41	Sulfate	BMb	0.146	1.521	1.0815
8	12.66	Ortho as P	BMB	0.151	1.367	0.1743
		TOTAL:		0.62	6.11	3.14



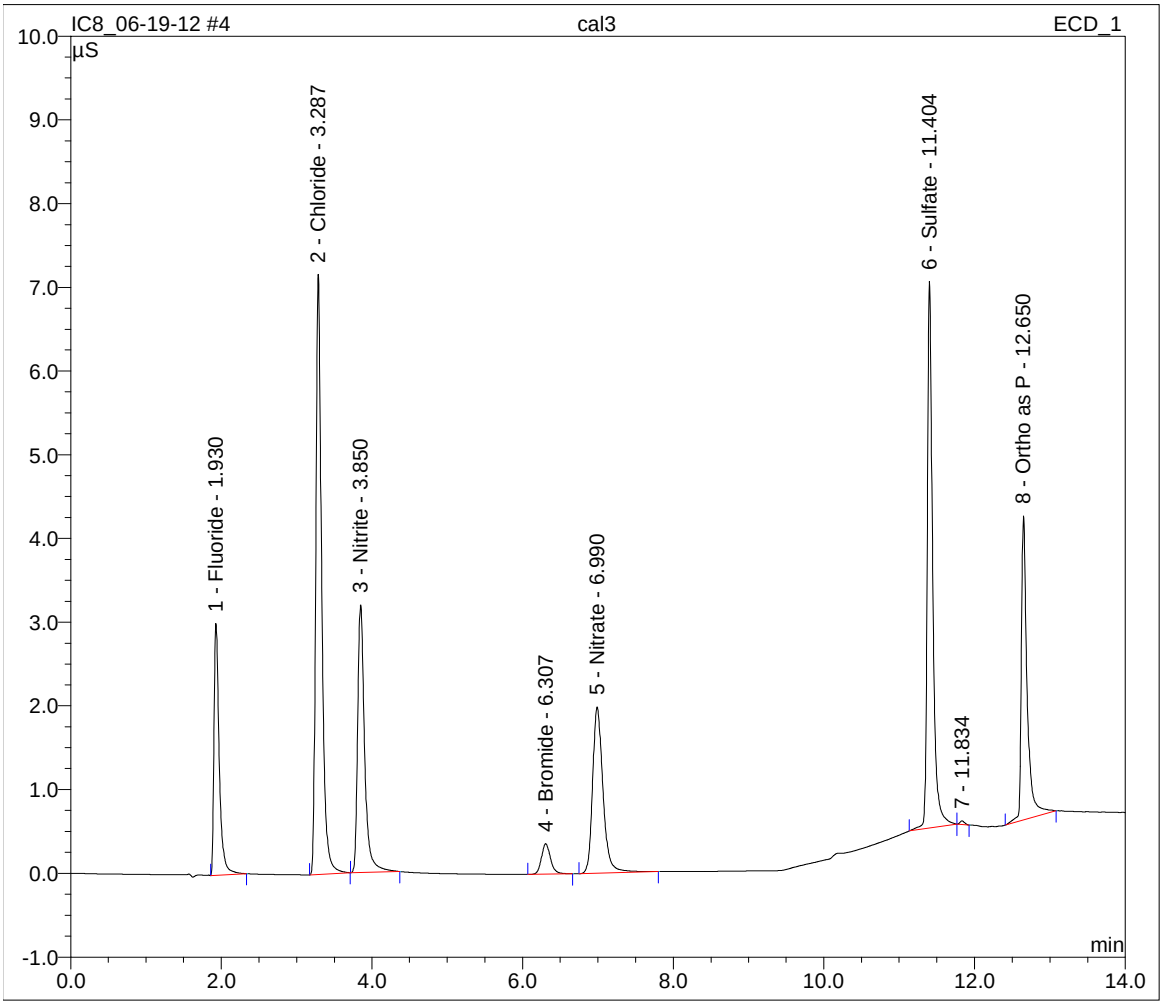
Sample Name:	**cal2**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.120	1.512	0.4922
2	3.29	Chloride	BMB	0.327	3.574	2.4601
3	3.85	Nitrite	BMB	0.167	1.604	0.4861
4	6.31	Bromide	BMB	0.025	0.178	0.4845
5	7.00	Nitrate	BMB	0.155	0.975	0.4831
6	11.42	Sulfate	BMb	0.284	3.282	2.3745
8	12.66	Ortho as P	BMB	0.216	2.278	0.5210
		TOTAL:		1.29	13.40	7.30



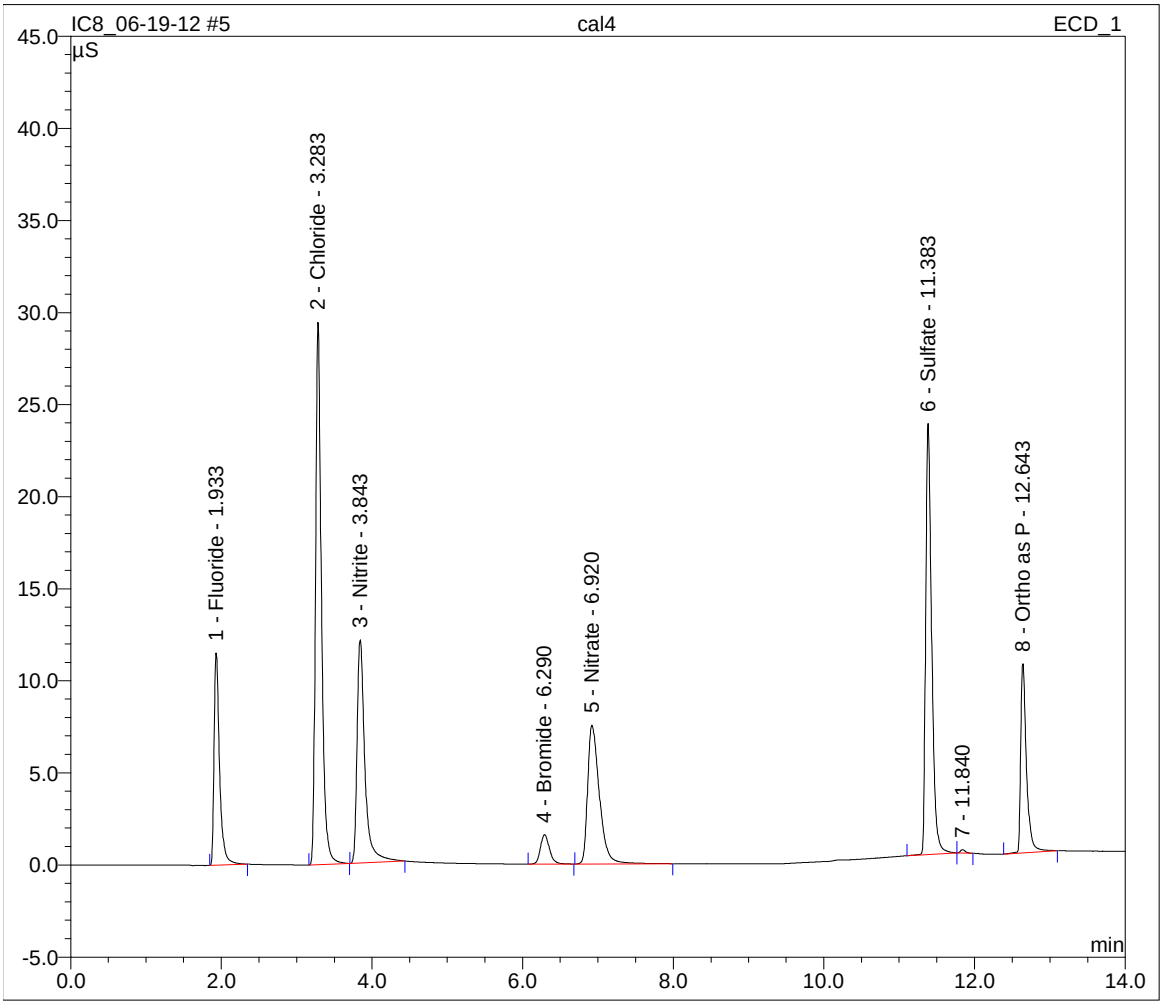
Sample Name:	**cal3**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.241	3.009	1.0119
2	3.29	Chloride	BMB	0.657	7.169	4.8803
3	3.85	Nitrite	BMB	0.341	3.199	0.9611
4	6.31	Bromide	BMB	0.051	0.365	0.9278
5	6.99	Nitrate	BMB	0.319	1.985	0.9575
6	11.40	Sulfate	BMb	0.545	6.532	4.8185
8	12.65	Ortho as P	BMB	0.320	3.633	1.0722
		TOTAL:		2.47	25.89	14.63



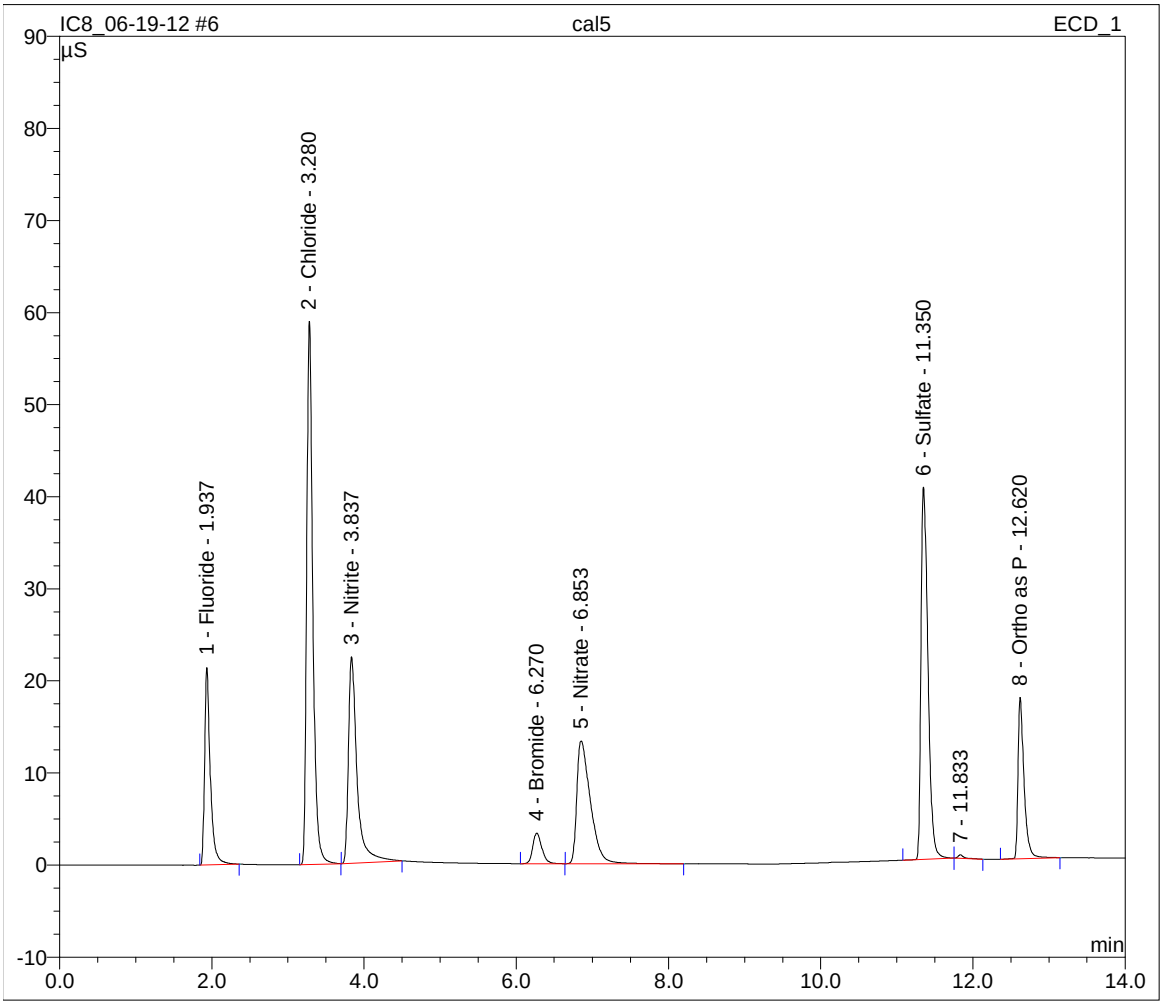
Sample Name:	**cal4**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.966	11.542	4.1247
2	3.28	Chloride	BMB	2.709	29.464	19.9102
3	3.84	Nitrite	BMB	1.456	12.120	3.9932
4	6.29	Bromide	BMB	0.223	1.604	3.8991
5	6.92	Nitrate	BMB	1.357	7.526	3.9629
6	11.38	Sulfate	BMb	2.162	23.410	20.0013
8	12.64	Ortho as P	BMB	0.901	10.280	4.1462
TOTAL:				9.77	95.95	60.04



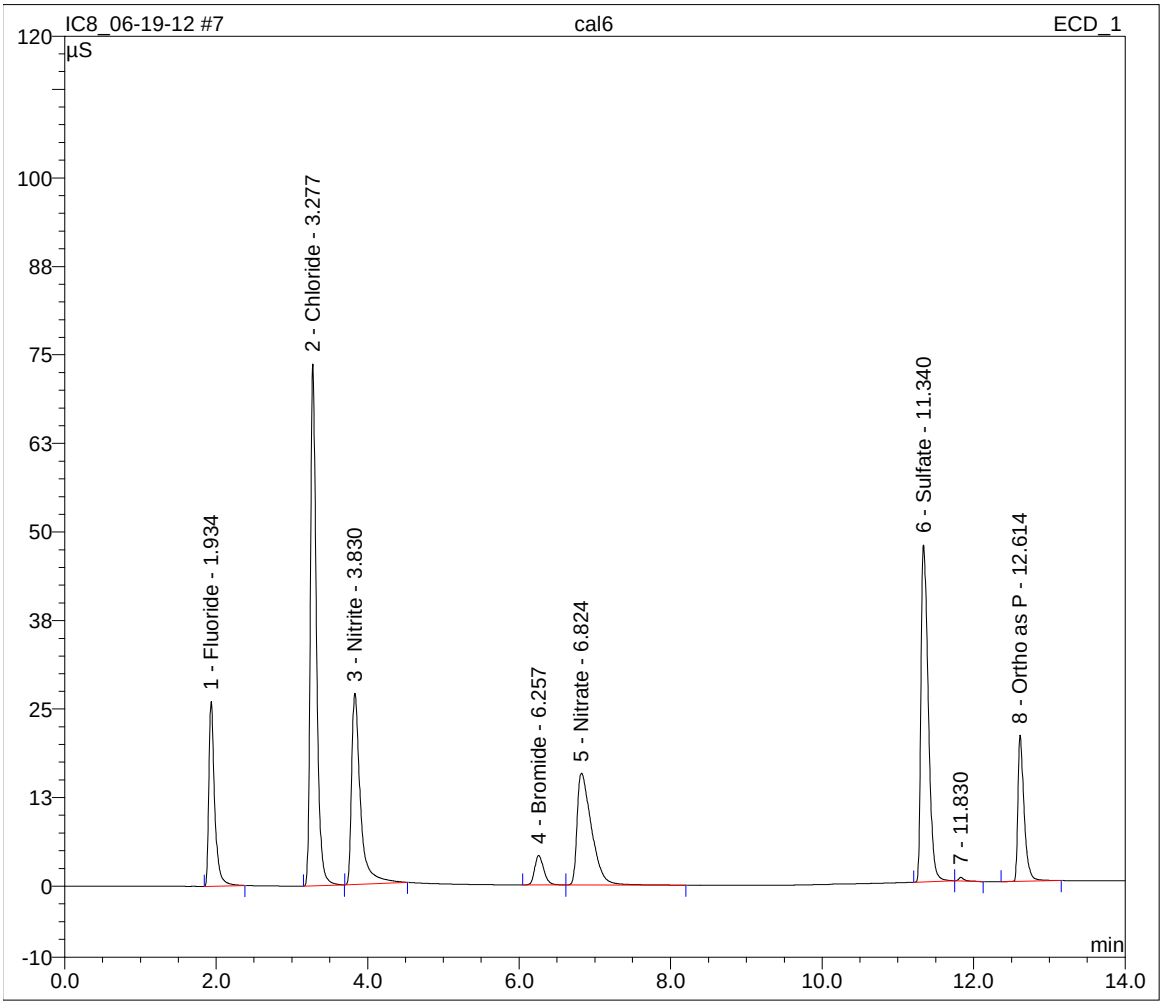
Sample Name:	**cal5**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	1.868	21.466	8.0002
2	3.28	Chloride	BMB	5.457	59.008	40.0443
3	3.84	Nitrite	BMB	2.954	22.426	8.0660
4	6.27	Bromide	BMB	0.462	3.324	8.0345
5	6.85	Nitrate	BMB	2.759	13.322	8.0199
6	11.35	Sulfate	BMb	4.302	40.425	40.0890
8	12.62	Ortho as P	BMB	1.622	17.507	7.9642
		TOTAL:		19.42	177.48	120.22



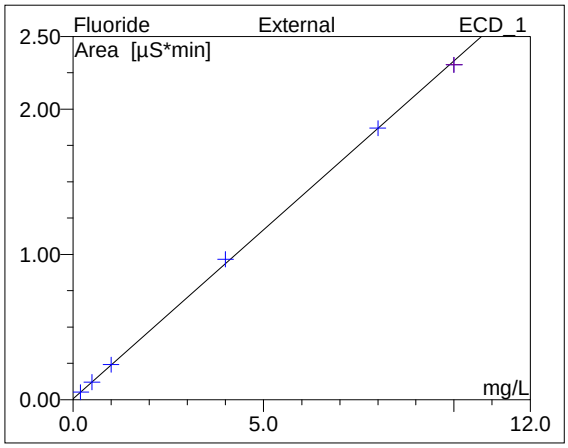
Sample Name:	**cal6**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:55**	*Run Time:*	**14.00**

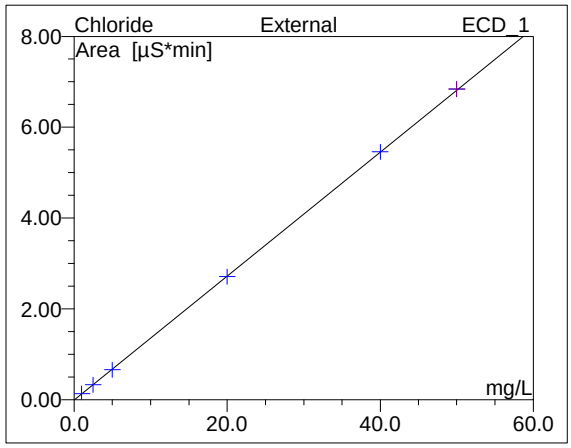
No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	2.304	26.065	9.8741
2	3.28	Chloride	BMB	6.838	73.679	50.1651
3	3.83	Nitrite	BMB	3.658	26.975	9.9812
4	6.26	Bromide	BMB	0.583	4.171	10.1319
5	6.82	Nitrate	BMB	3.465	15.767	10.0612
6	11.34	Sulfate	BMb	5.373	47.566	50.1352
8	12.61	Ortho as P	BMB	1.973	20.624	9.8221
		TOTAL:		24.19	214.85	150.17

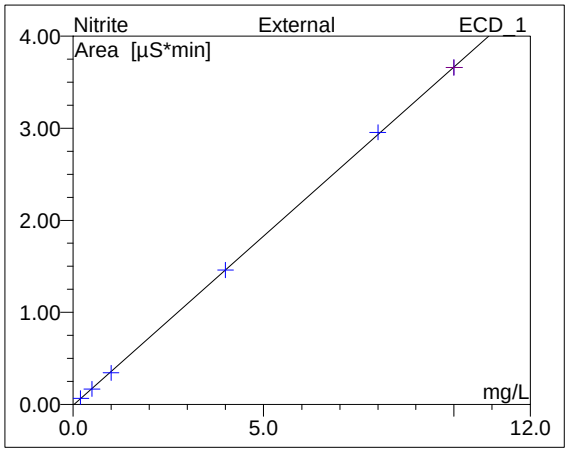


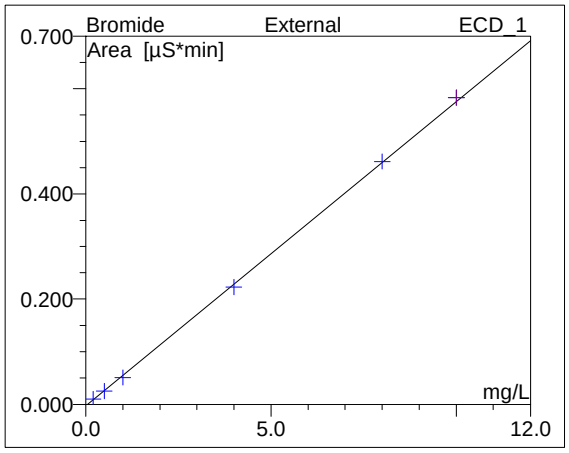
Calibration Batch Report

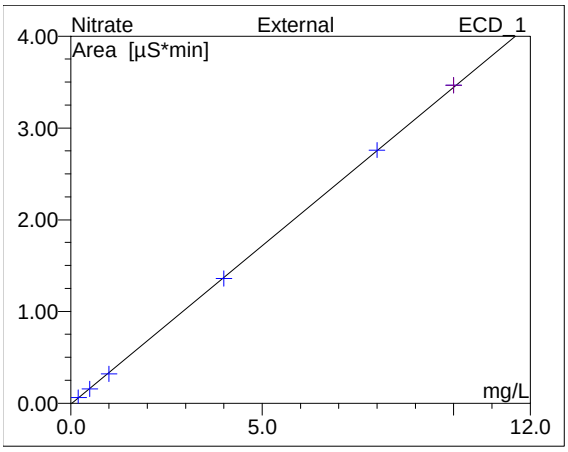
Sequence:	**IC8_06-19-12**	Inj. Vol.:	**10.0**
Program:	**7 Anion**	Operator:	**DENPC241**
Inj. Date/Time:	**06/18/12 14:55**	Run Time:	**14.00**

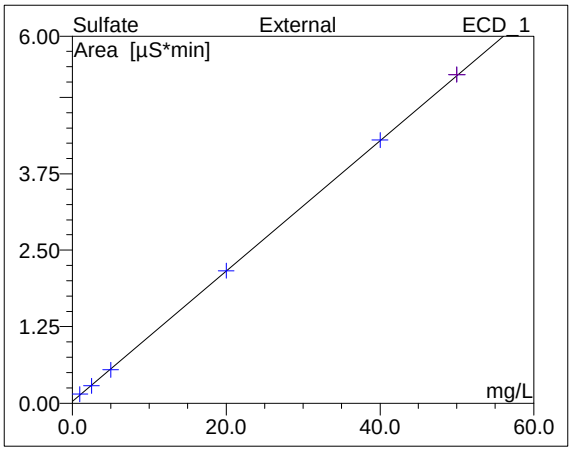




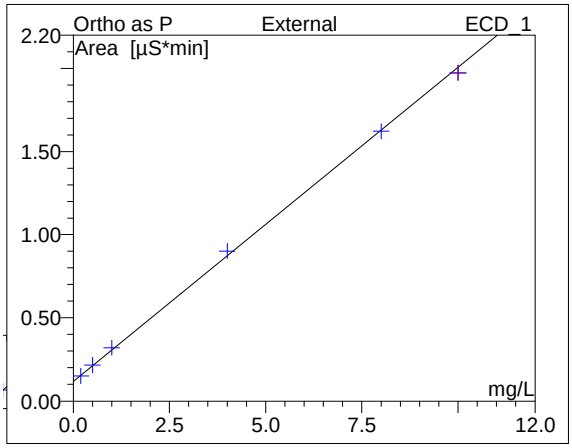








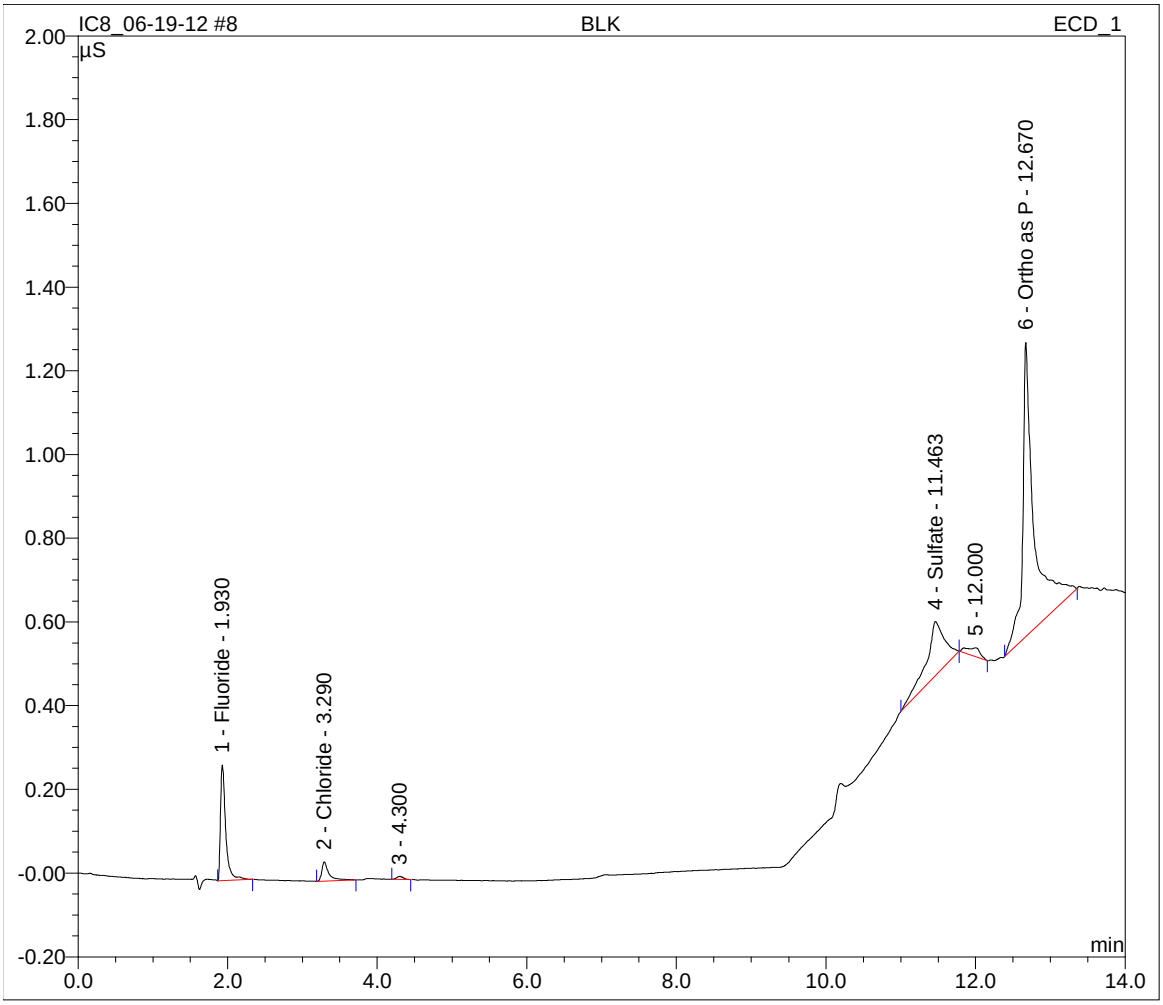
Program:	**7 Anion**	*Operator:*	**n.a.**
Ini. Date/Time:	**06/18/12 14:55**	*Run Time:*	**14.00**



No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
1	1.93	Fluoride	XLOff	6	0.005	0.233	0.000	99.985
2	3.28	Chloride	XLOff	6	-0.009	0.136	0.000	99.997
3	3.83	Nitrite	XLOff	6	-0.012	0.368	0.000	99.992
4	6.26	Bromide	XLOff	6	-0.003	0.058	0.000	99.968
5	6.82	Nitrate	XLOff	6	-0.012	0.346	0.000	99.989
6	11.34	Sulfate	XLOff	6	0.031	0.107	0.000	99.990
8	12.61	Ortho as P	XLOff	6	0.118	0.189	0.000	99.954
AVERAGE:					0.0169	0.2051	0.0000	99.9819

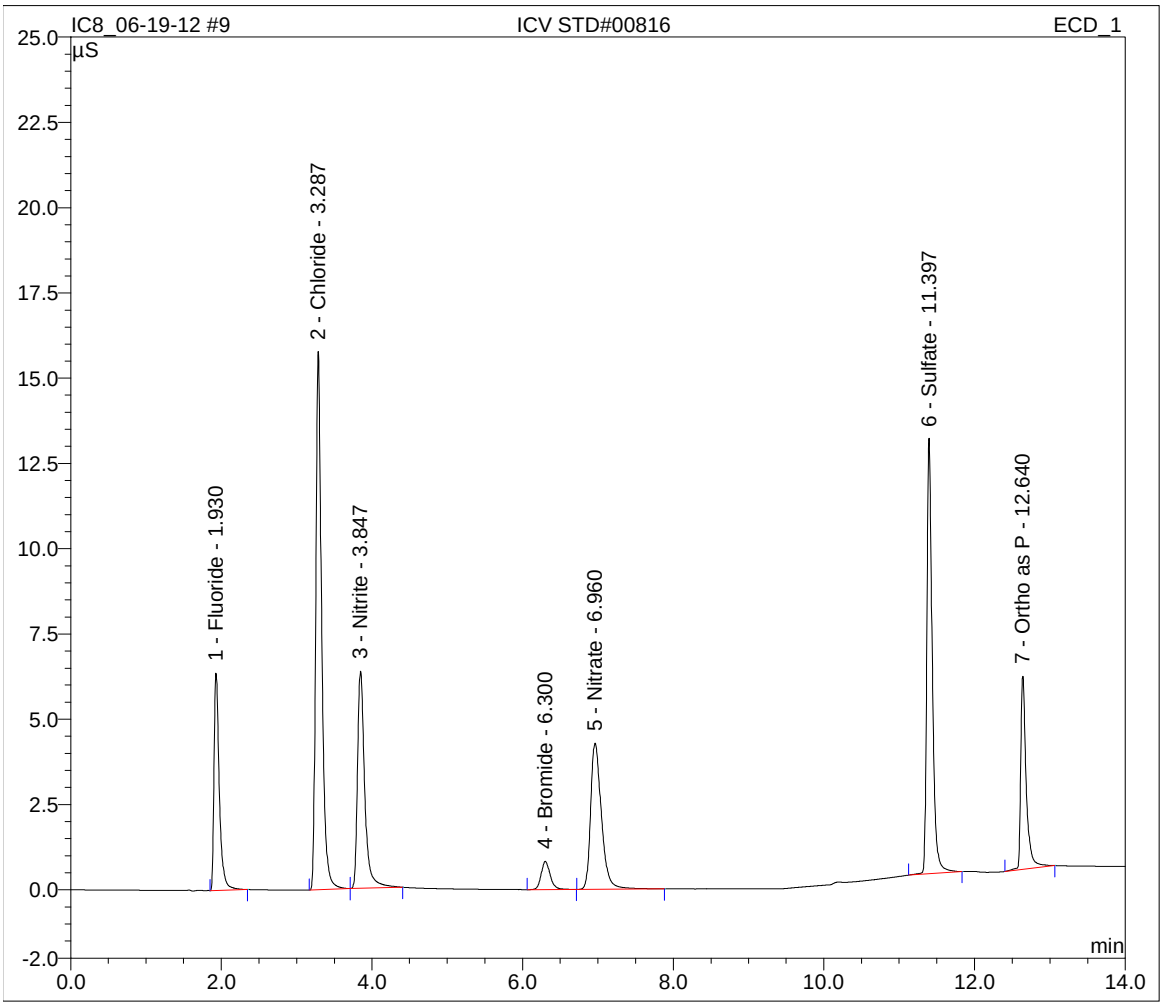
Sample Name:	**BLK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.022	0.276	0.0725
2	3.29	Chloride	BMB	0.005	0.046	0.1031
4	11.46	Sulfate	BMb	0.036	0.129	0.0502
6	12.67	Ortho as P	BMB	0.125	0.703	0.0382
		TOTAL:		0.19	1.15	0.26



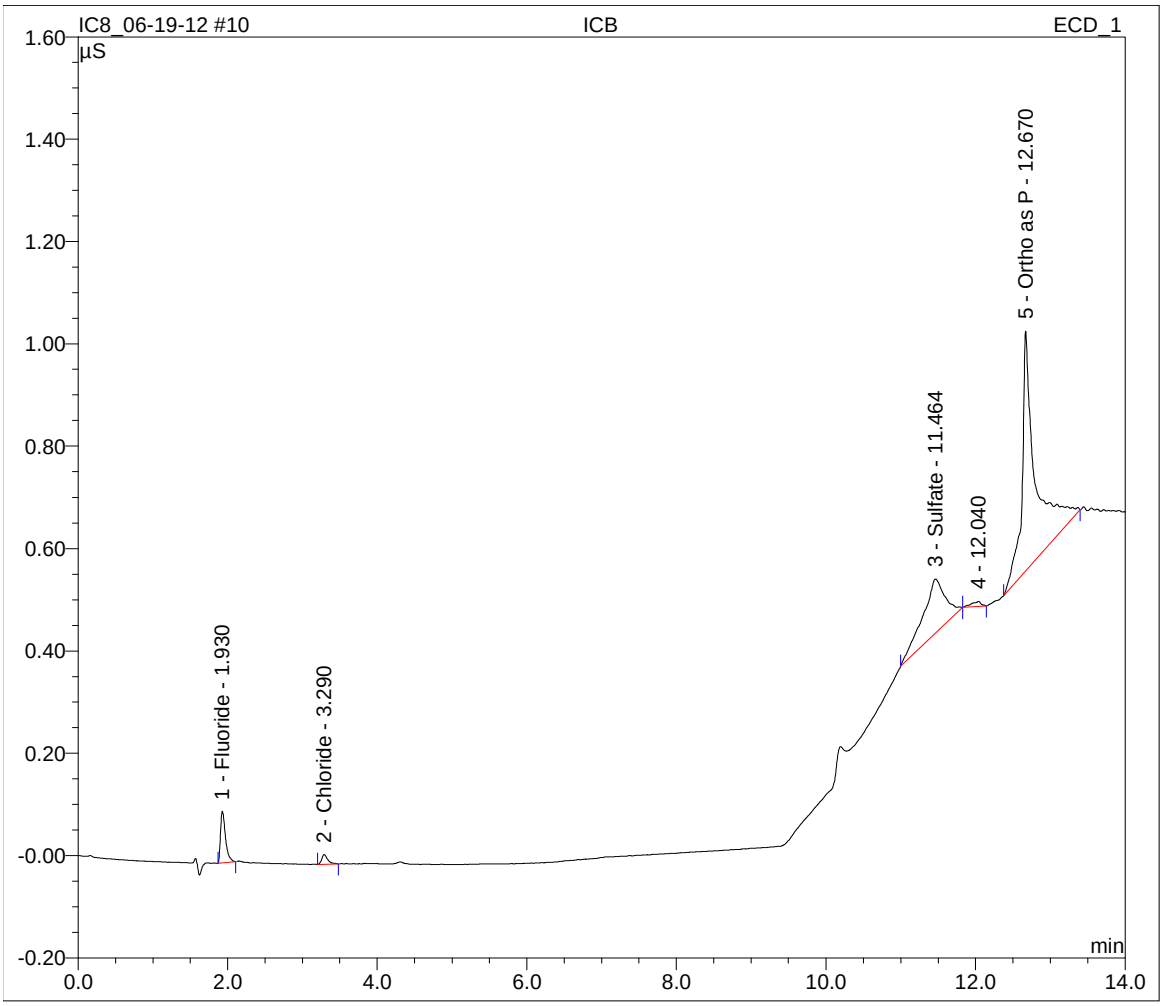
Sample Name:	**ICV STD#00816**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.382	2.1868
2	3.29	Chloride	BMB	1.448	15.777	10.6712
3	3.85	Nitrite	BMB	0.706	6.368	1.9529
4	6.30	Bromide	BMB	0.115	0.825	2.0290
5	6.96	Nitrate	BMB	0.713	4.281	2.0989
6	11.40	Sulfate	BMB	1.070	12.766	9.7526
7	12.64	Ortho as P	BMB	0.474	5.668	1.8875
TOTAL:				5.04	52.07	30.58



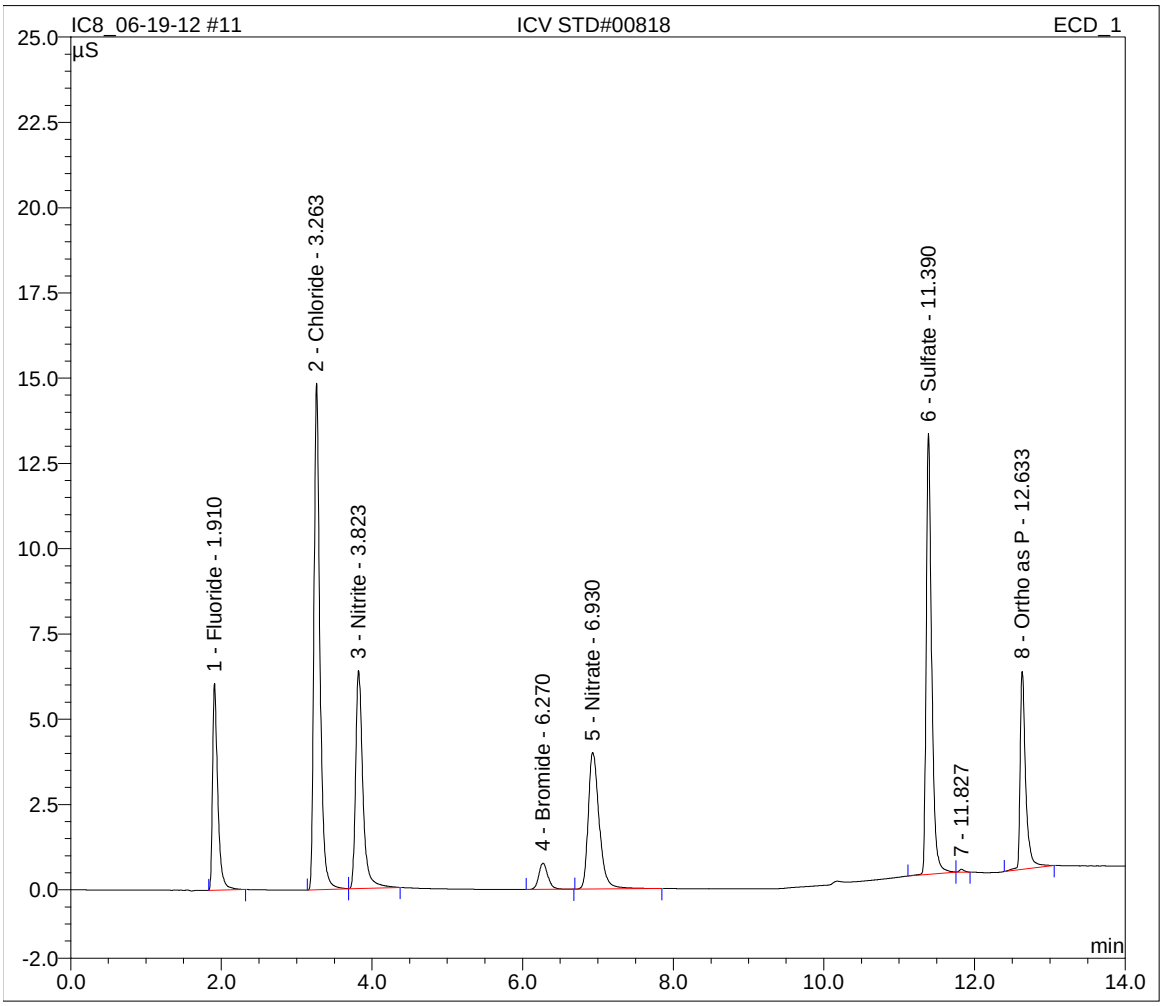
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.008	0.101	0.0103
2	3.29	Chloride	BMB	0.002	0.019	0.0781
3	11.46	Sulfate	BMb	0.037	0.106	0.0582
5	12.67	Ortho as P	BMB	0.100	0.469	-0.0954
		TOTAL:		0.15	0.69	0.05



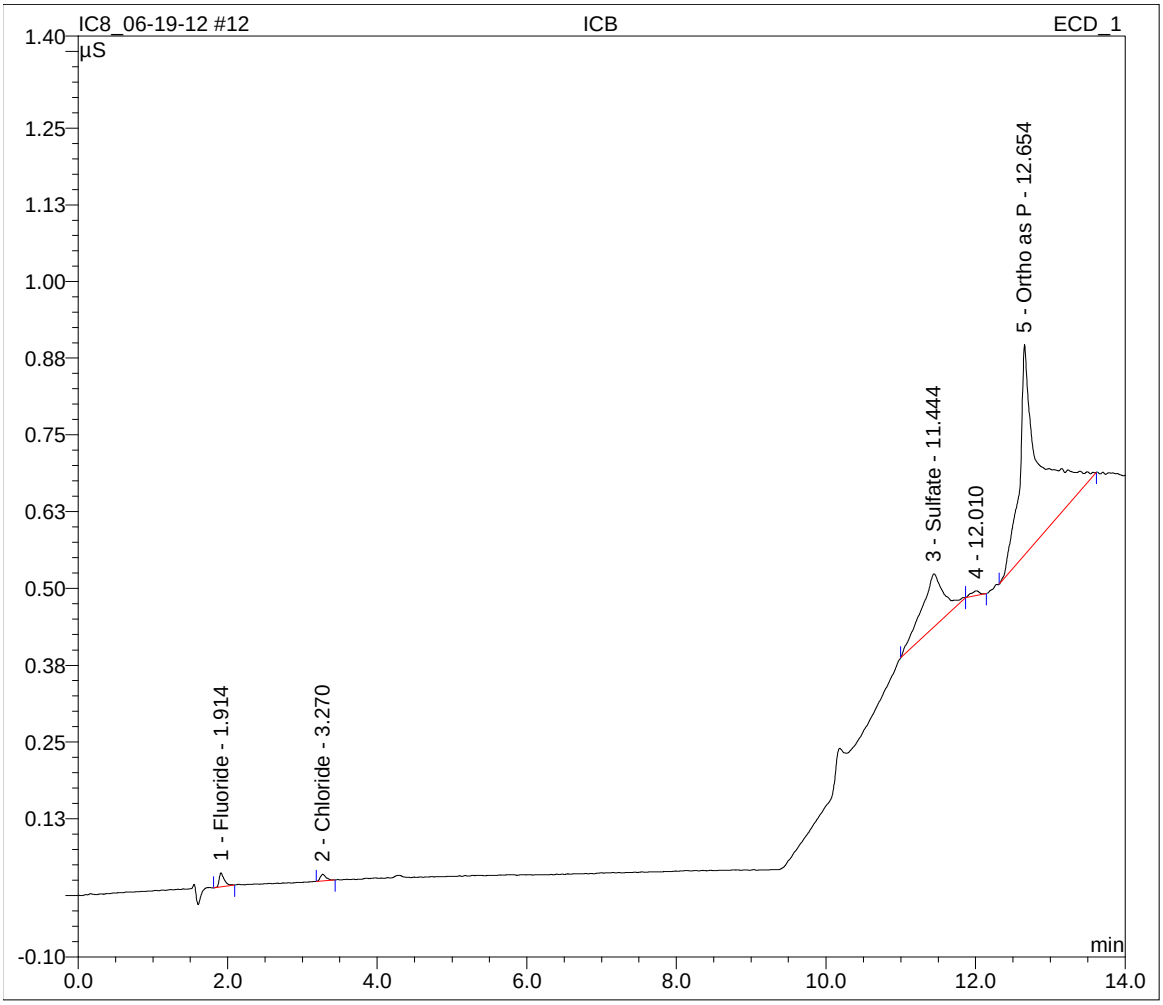
Sample Name:	**ICV STD#00818**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 09:18**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.488	6.067	2.0728
2	3.26	Chloride	BMB	1.363	14.849	10.0506
3	3.82	Nitrite	BMB	0.707	6.390	1.9563
4	6.27	Bromide	BMB	0.109	0.771	1.9248
5	6.93	Nitrate	BMB	0.675	4.004	1.9883
6	11.39	Sulfate	BMb	1.090	12.930	9.9355
8	12.63	Ortho as P	BMB	0.488	5.809	1.9622
		TOTAL:		4.92	50.82	29.89



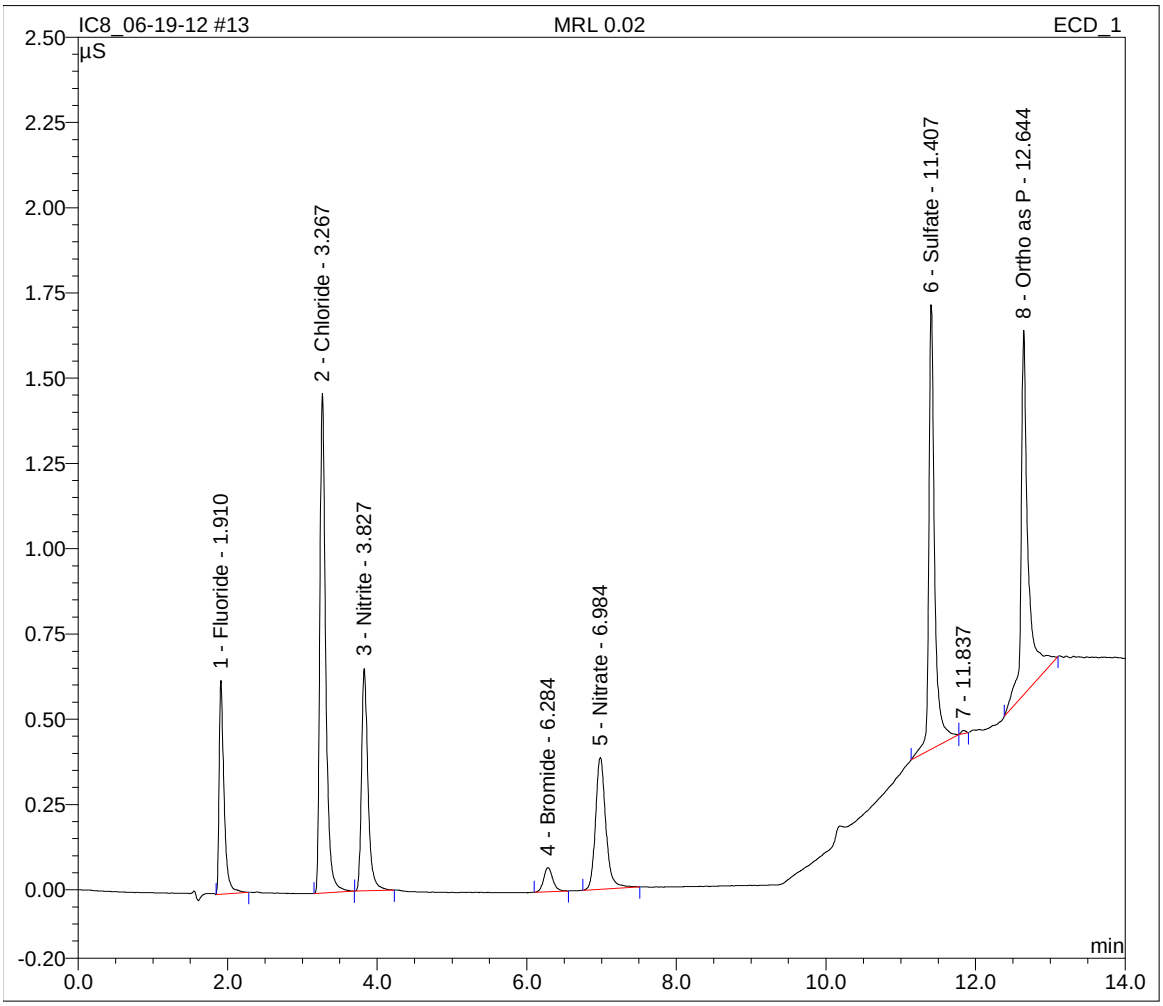
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 09:42**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.002	0.023	-0.0147
2	3.27	Chloride	BMB	0.001	0.011	0.0723
3	11.44	Sulfate	BMb	0.030	0.086	-0.0081
5	12.65	Ortho as P	BMB	0.109	0.343	-0.0459
		TOTAL:		0.14	0.46	0.00



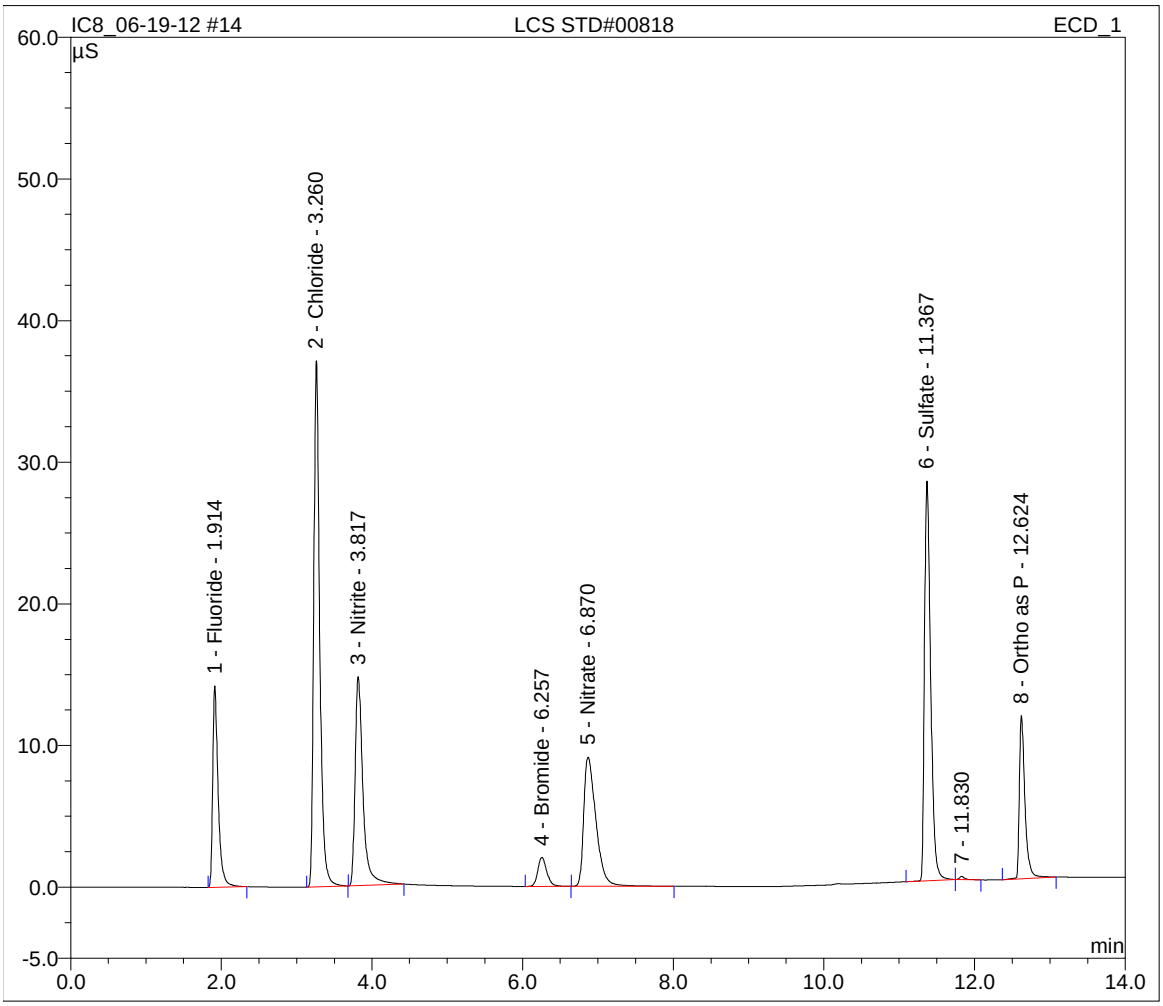
Sample Name:	**MRL 0.02**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 09:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.048	0.626	0.1847
2	3.27	Chloride	BMB	0.133	1.465	1.0411
3	3.83	Nitrite	BMB	0.065	0.652	0.2108
4	6.28	Bromide	BMB	0.010	0.071	0.2220
5	6.98	Nitrate	BMB	0.062	0.386	0.2129
6	11.41	Sulfate	BMB	0.116	1.303	0.7975
8	12.64	Ortho as P	BMB	0.118	1.068	-0.0013
		TOTAL:		0.55	5.57	2.67



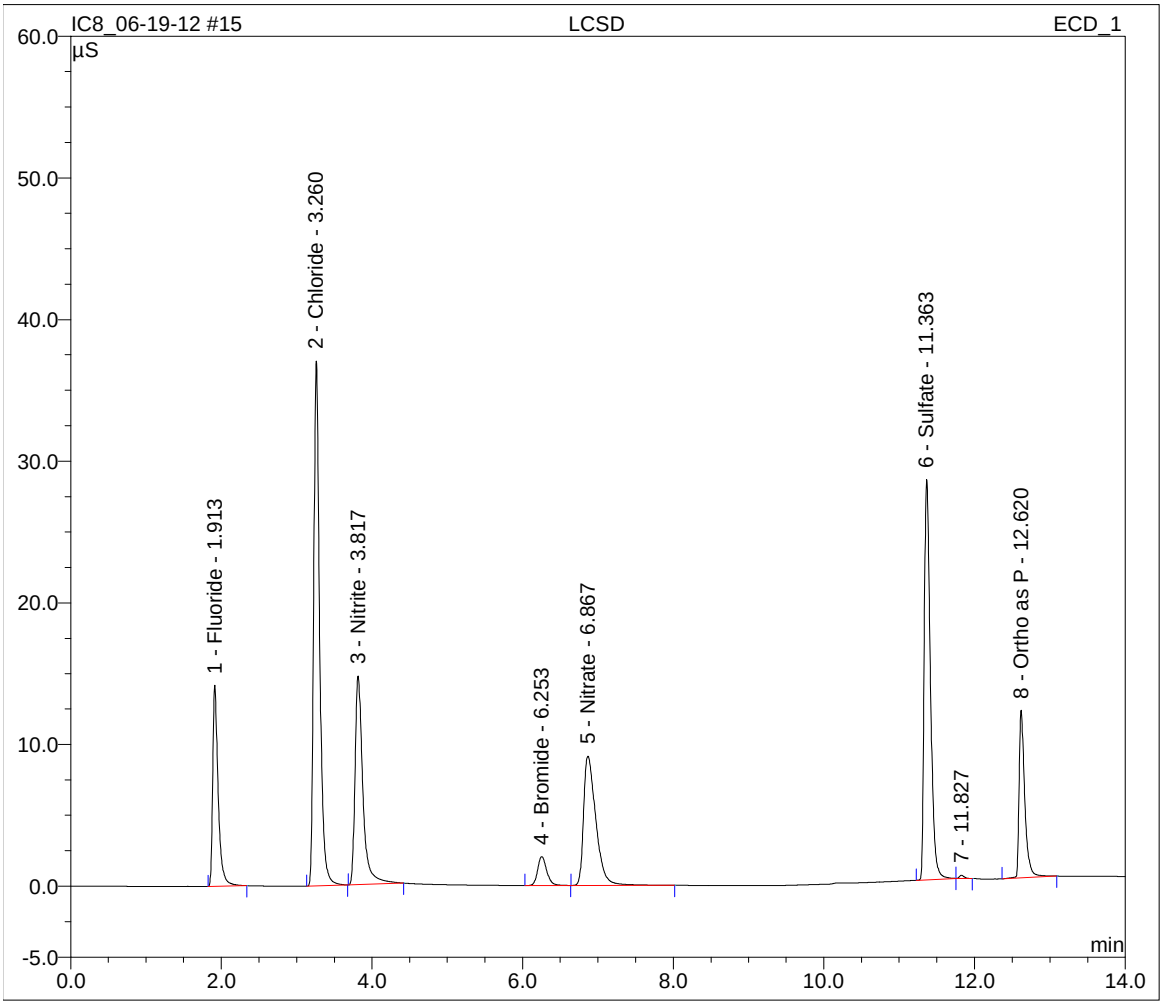
Sample Name:	**LCS STD#00818**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 10:16**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.187	14.199	5.0746
2	3.26	Chloride	BMB	3.415	37.126	25.0842
3	3.82	Nitrite	BMB	1.778	14.759	4.8673
4	6.26	Bromide	BMB	0.283	2.033	4.9475
5	6.87	Nitrate	BMB	1.712	9.108	4.9893
6	11.37	Sulfate	BMb	2.681	28.210	24.8685
8	12.62	Ortho as P	BMB	0.985	11.508	4.5912
		TOTAL:		12.04	116.94	74.42



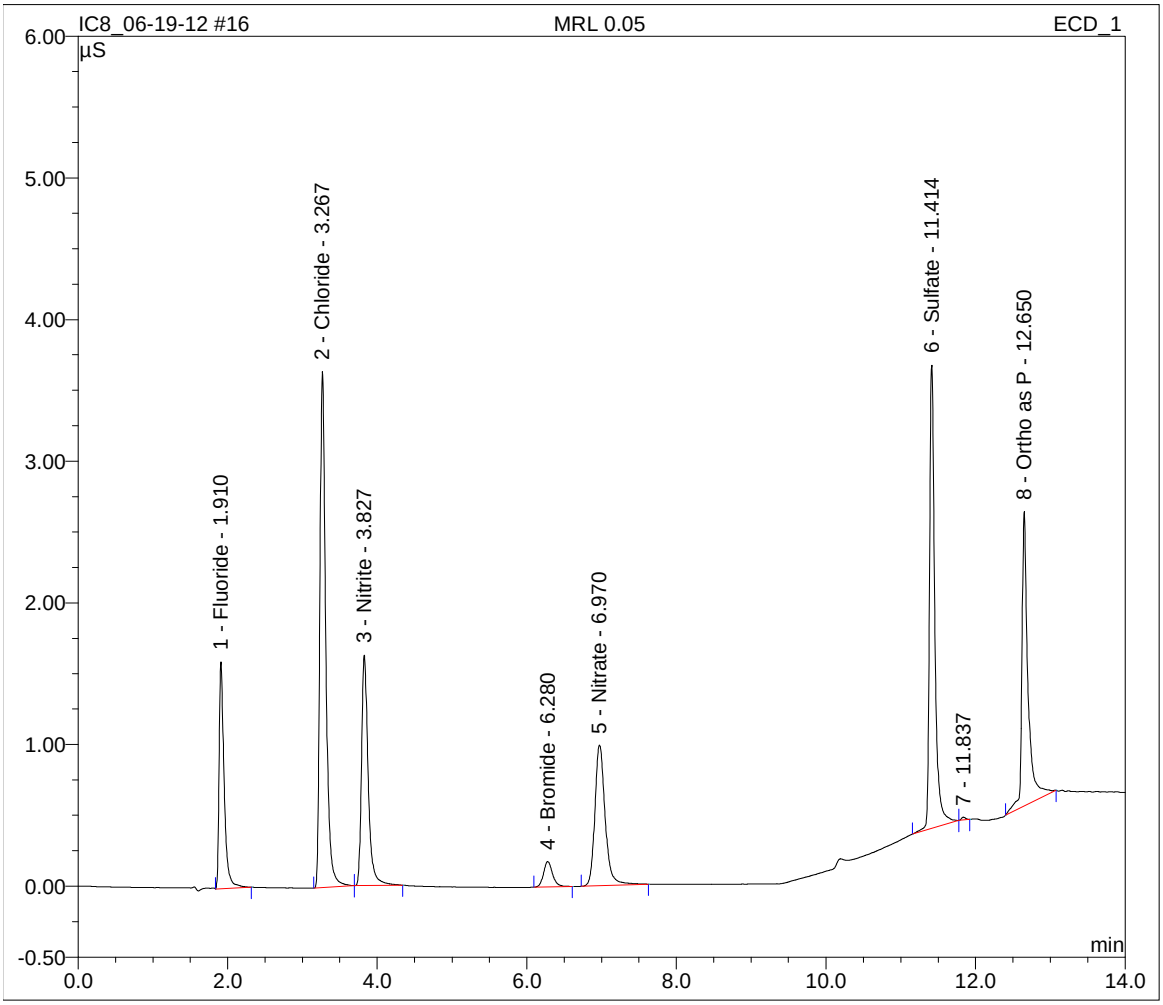
Sample Name:	**LCSD**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 10:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.187	14.180	5.0773
2	3.26	Chloride	BMB	3.406	37.046	25.0153
3	3.82	Nitrite	BMB	1.776	14.744	4.8613
4	6.25	Bromide	BMB	0.283	2.035	4.9497
5	6.87	Nitrate	BMB	1.716	9.116	5.0007
6	11.36	Sulfate	BMb	2.695	28.252	25.0007
8	12.62	Ortho as P	BMB	1.030	11.821	4.8289
		TOTAL:		12.09	117.19	74.73



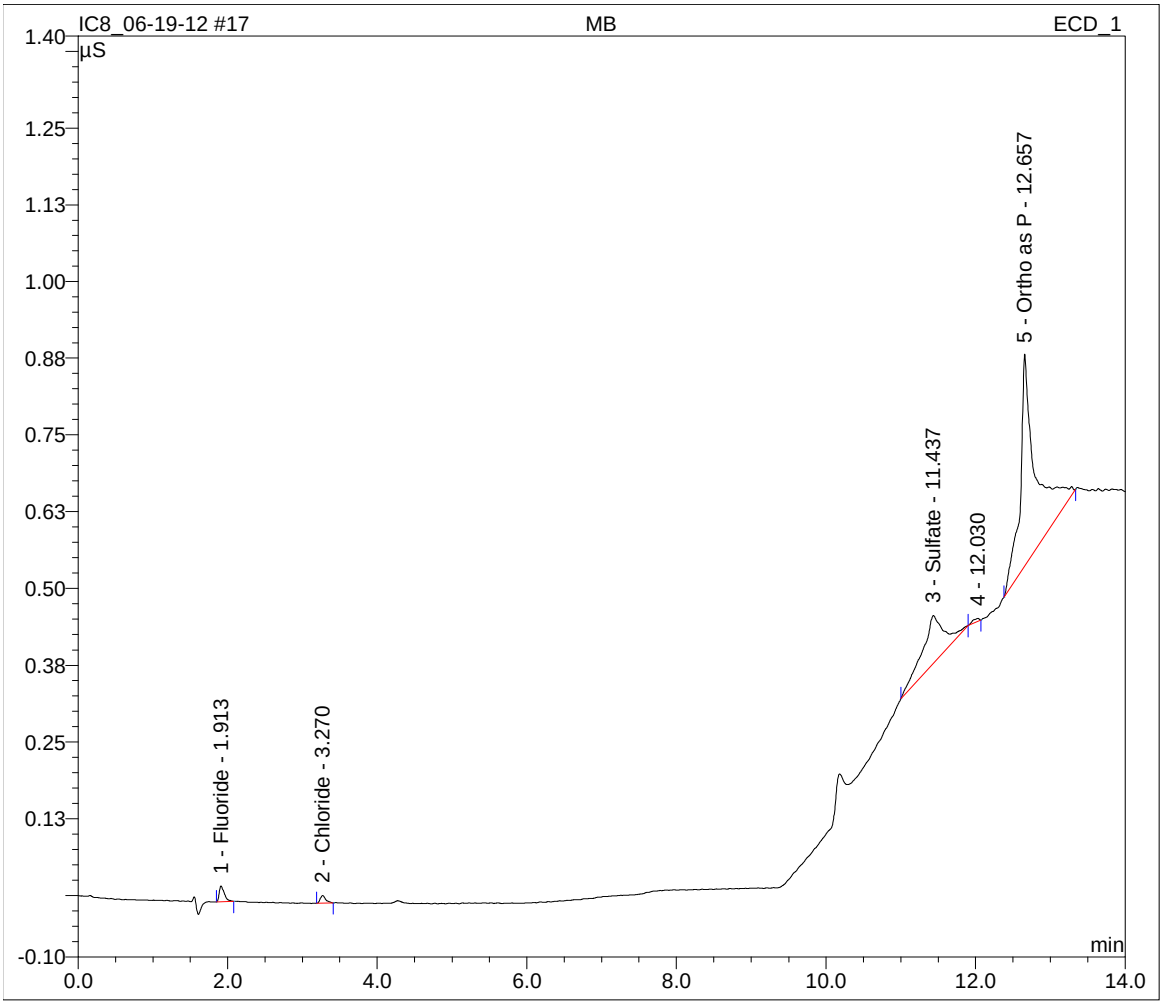
Sample Name:	**MRL 0.05**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 10:49**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.125	1.602	0.5151
2	3.27	Chloride	BMb	0.333	3.640	2.5078
3	3.83	Nitrite	bMB	0.168	1.629	0.4892
4	6.28	Bromide	BMB	0.025	0.179	0.4823
5	6.97	Nitrate	BMB	0.158	0.992	0.4920
6	11.41	Sulfate	BMB	0.267	3.270	2.2158
8	12.65	Ortho as P	BMB	0.196	2.078	0.4120
		TOTAL:		1.27	13.39	7.11



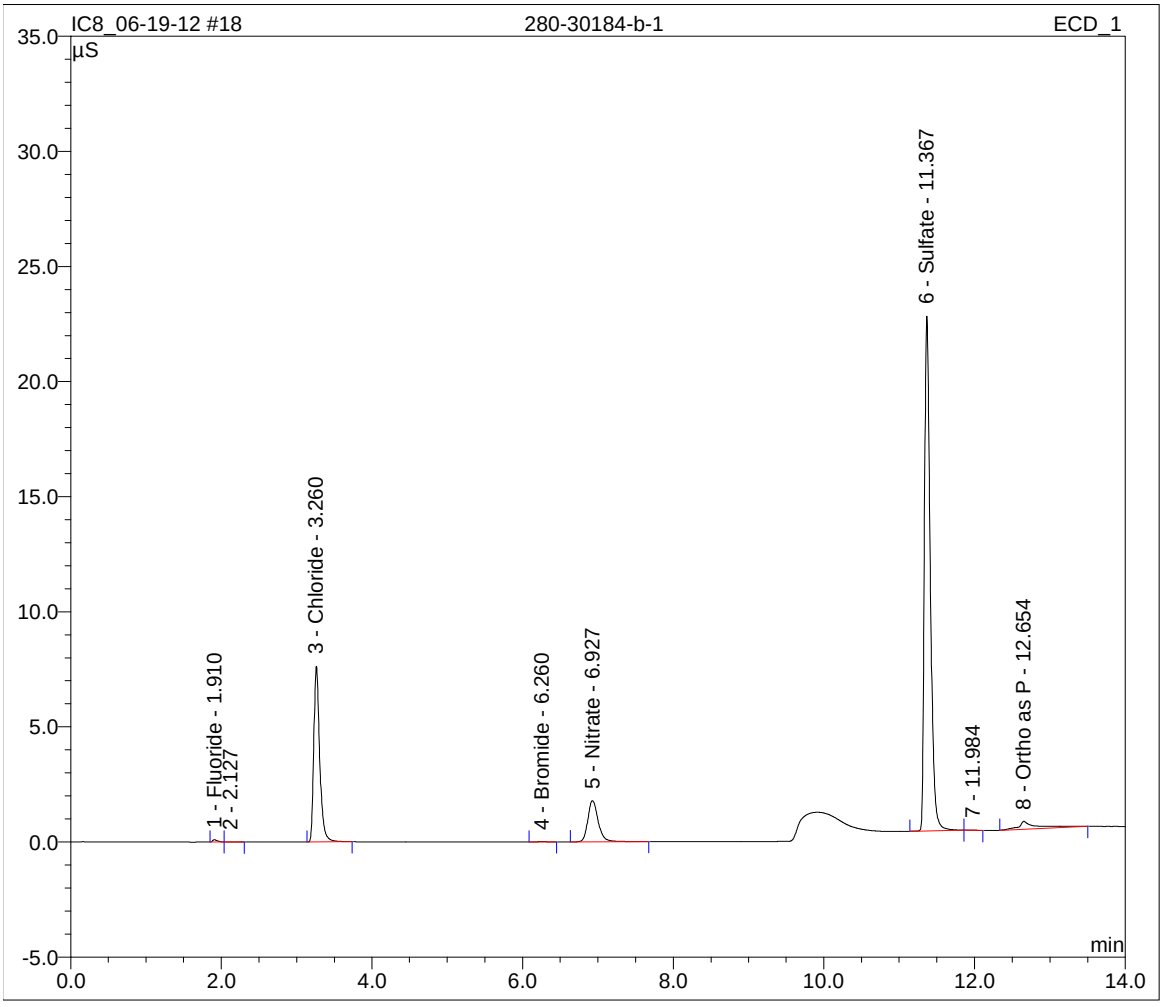
Sample Name:	**MB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 11:06**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.002	0.026	-0.0139
2	3.27	Chloride	BMB	0.001	0.012	0.0731
3	11.44	Sulfate	BMb	0.026	0.078	-0.0513
5	12.66	Ortho as P	BMB	0.083	0.344	-0.1848
		TOTAL:		0.11	0.46	-0.18



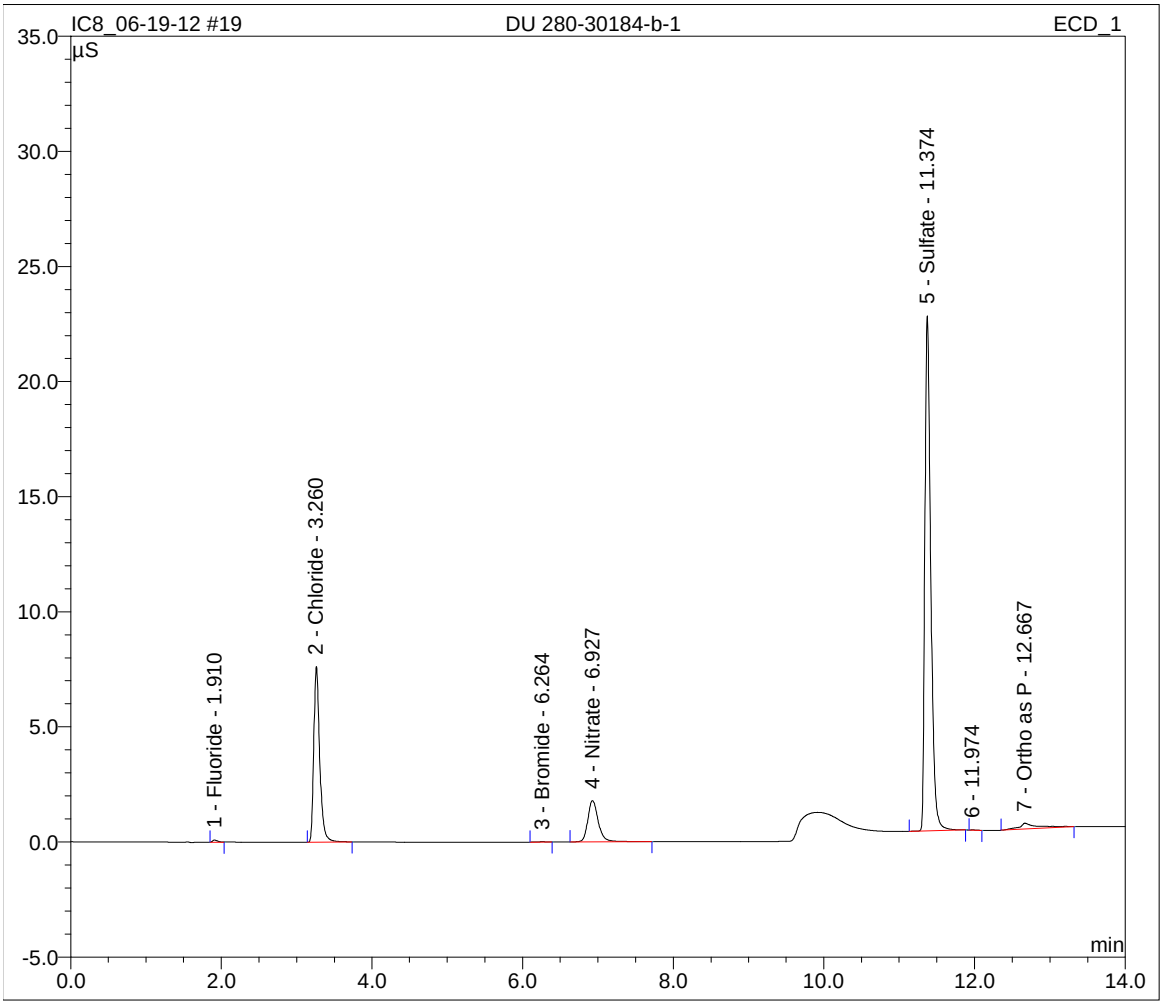
Sample Name:	**280-30184-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 11:23**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.007	0.101	0.0086
3	3.26	Chloride	BMB	0.699	7.643	5.1828
4	6.26	Bromide	BMB	0.002	0.014	0.0820
5	6.93	Nitrate	BMB	0.285	1.790	0.8594
6	11.37	Sulfate	BMB	2.026	22.368	18.7246
8	12.65	Ortho as P	BMB	0.095	0.344	-0.1202
		TOTAL:		3.11	32.26	24.74



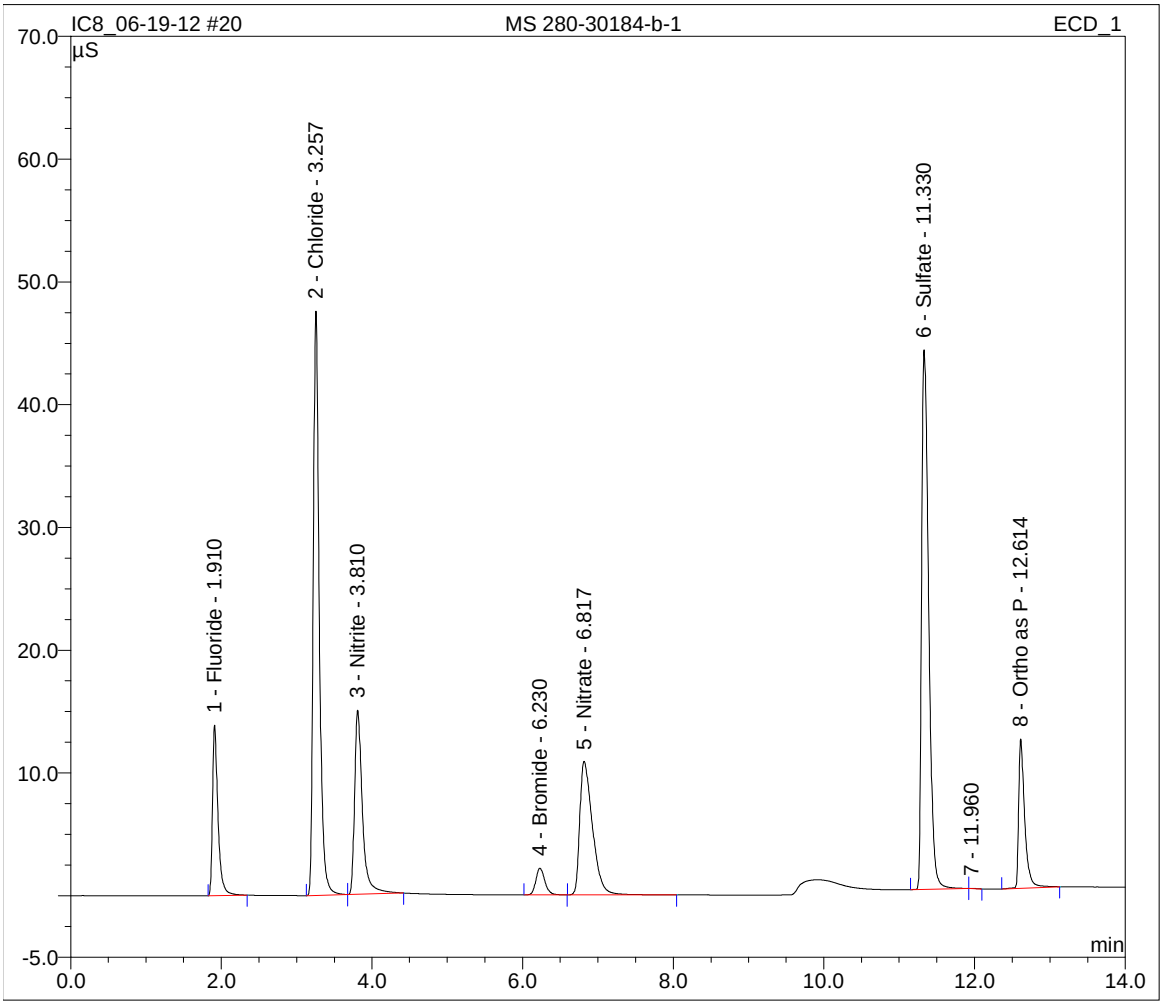
Sample Name:	**DU 280-30184-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 11:40**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.007	0.096	0.0071
2	3.26	Chloride	BMB	0.699	7.633	5.1871
3	6.26	Bromide	BMB	0.002	0.012	0.0753
4	6.93	Nitrate	BMB	0.286	1.790	0.8621
5	11.37	Sulfate	BMB	2.035	22.380	18.8112
7	12.67	Ortho as P	BMB	0.071	0.256	-0.2493
		TOTAL:		3.10	32.17	24.69



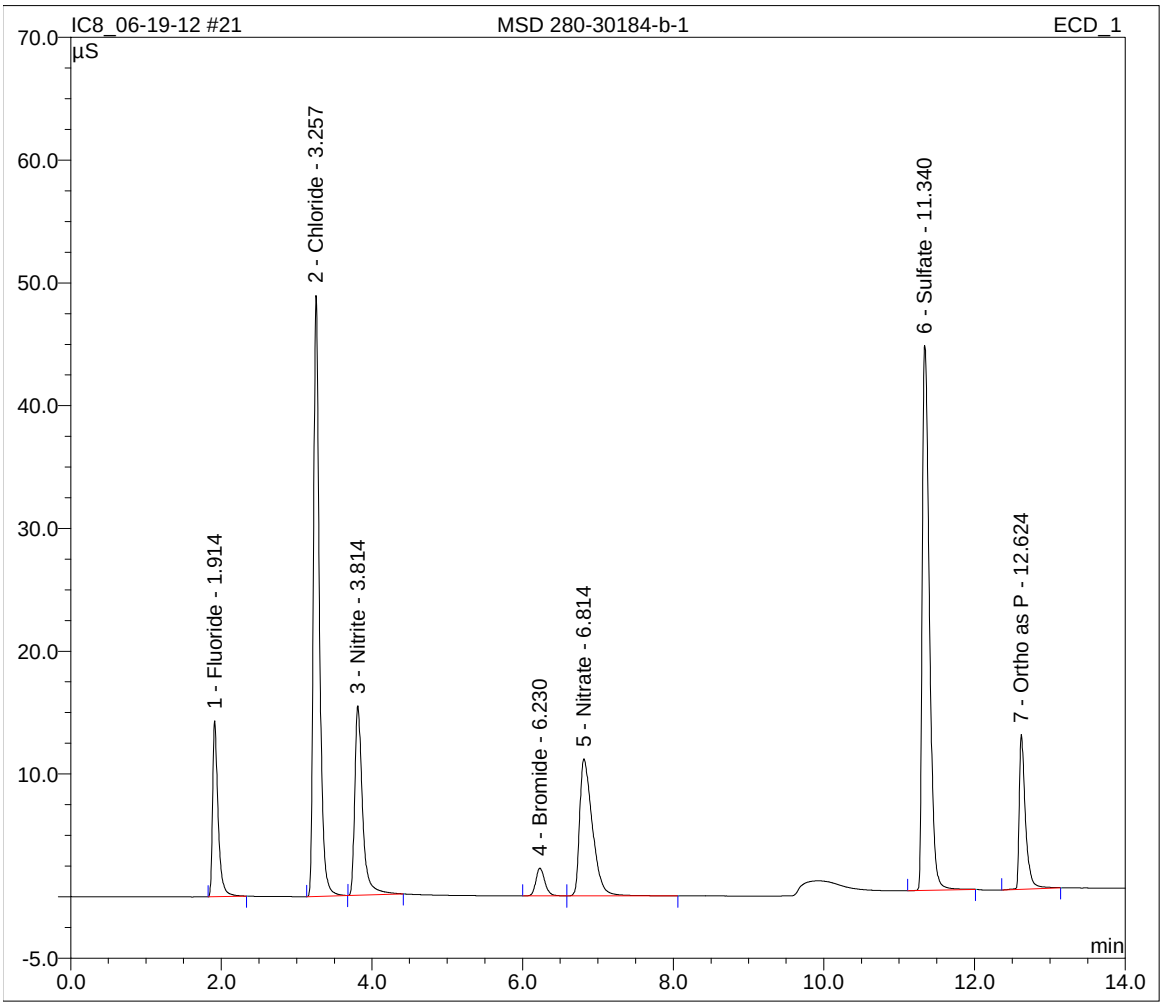
Sample Name:	**MS 280-30184-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 11:57**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.170	13.881	5.0041
2	3.26	Chloride	BMB	4.388	47.601	32.2142
3	3.81	Nitrite	BMB	1.797	14.986	4.9197
4	6.23	Bromide	BMB	0.302	2.180	5.2747
5	6.82	Nitrate	BMB	2.125	10.873	6.1833
6	11.33	Sulfate	BMb	4.829	43.916	45.0310
8	12.61	Ortho as P	BMB	1.131	12.134	5.3623
		TOTAL:		15.74	145.57	103.99



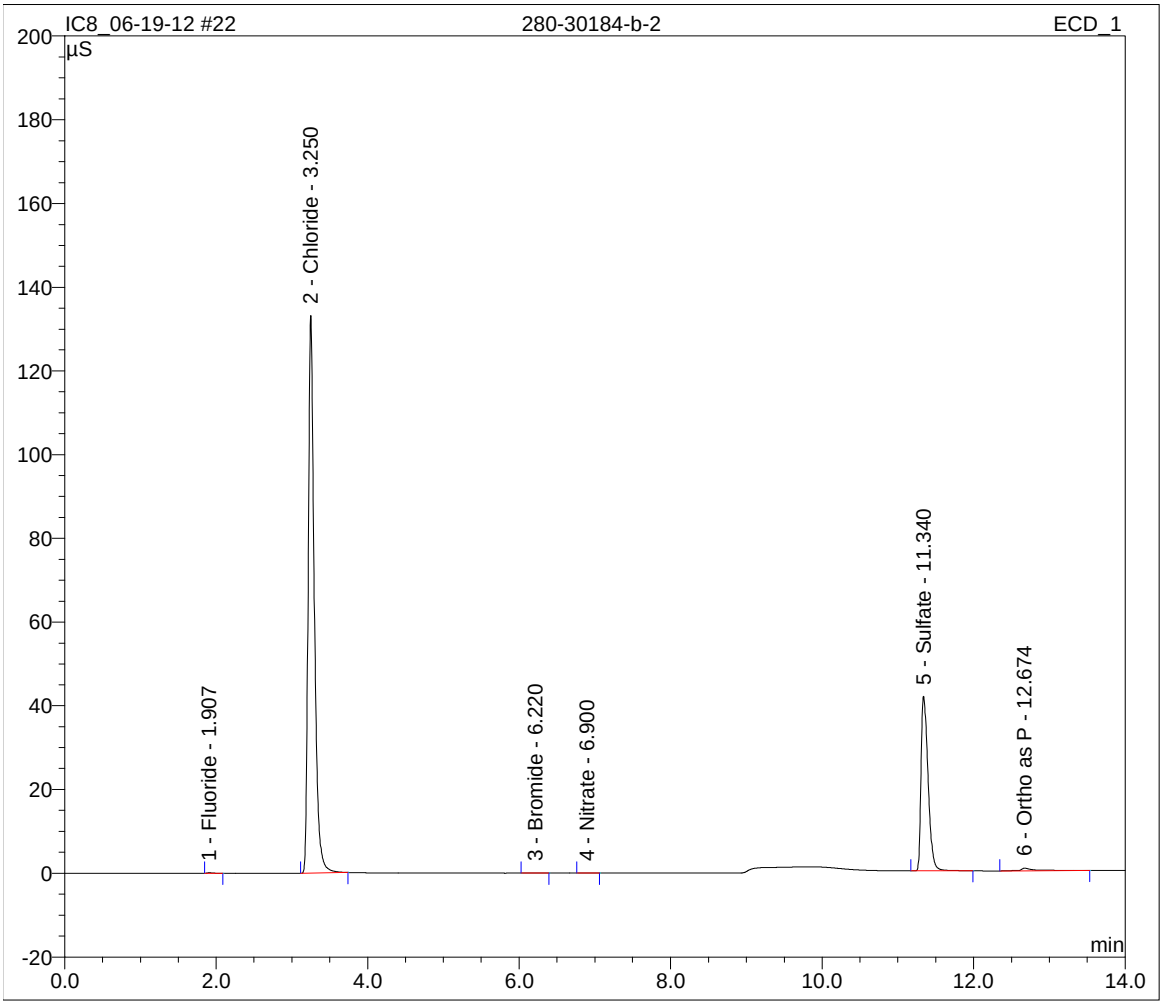
Sample Name:	**MSD 280-30184-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 12:13**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.210	14.325	5.1732
2	3.26	Chloride	BMB	4.507	48.960	33.0857
3	3.81	Nitrite	BMB	1.852	15.431	5.0684
4	6.23	Bromide	BMB	0.313	2.264	5.4562
5	6.81	Nitrate	BMB	2.188	11.145	6.3663
6	11.34	Sulfate	BMB	4.914	44.396	45.8320
7	12.62	Ortho as P	BMB	1.194	12.587	5.6992
		TOTAL:		16.18	149.11	106.68



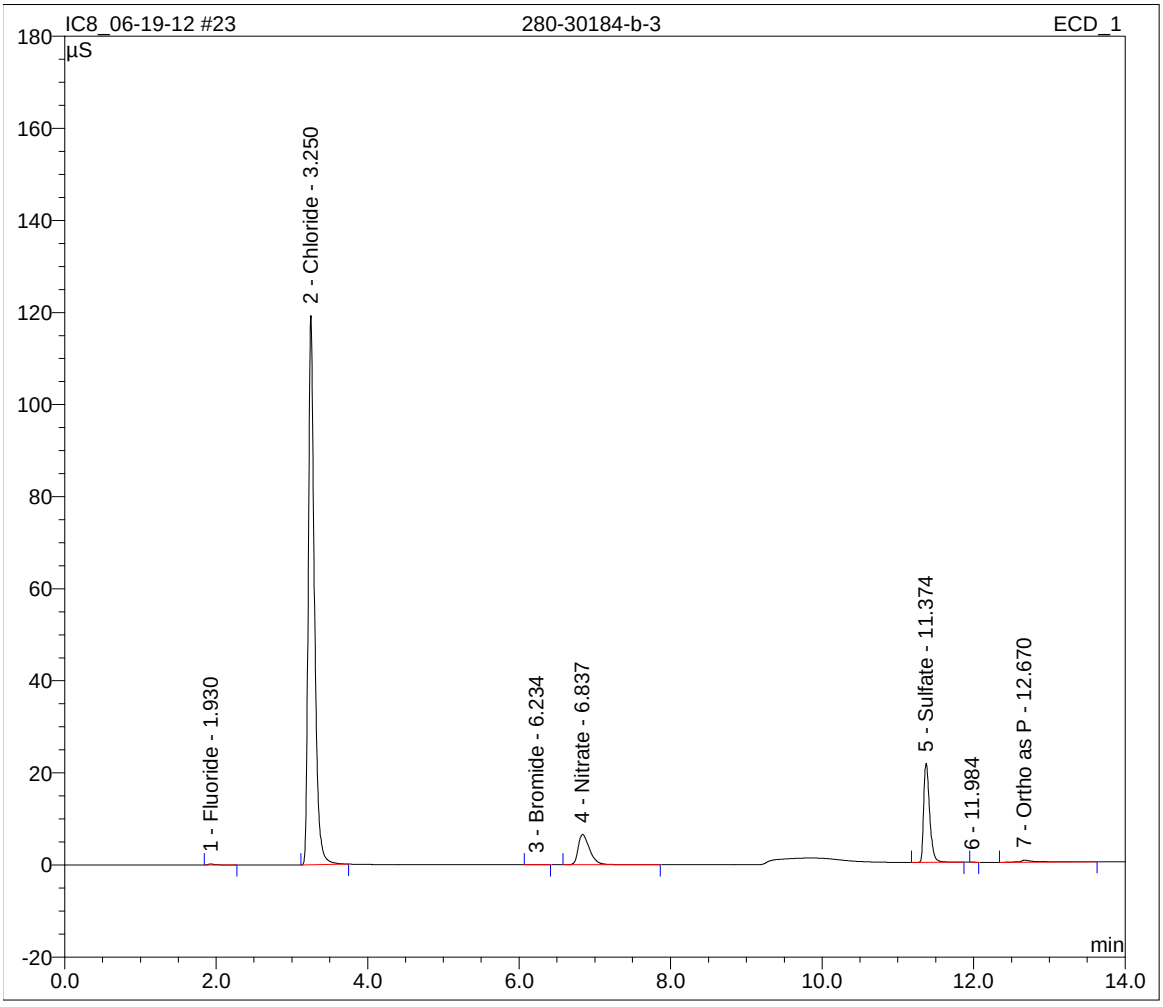
Sample Name:	**280-30184-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 12:30**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.009	0.124	0.0165
2	3.25	Chloride	BMB	12.544	133.221	91.9692
3	6.22	Bromide	BMB	0.002	0.017	0.0874
4	6.90	Nitrate	BMB	0.001	0.010	0.0387
5	11.34	Sulfate	BMB	4.513	41.693	42.0703
6	12.67	Ortho as P	BMB	0.137	0.654	0.0987
		TOTAL:		17.21	175.72	134.28



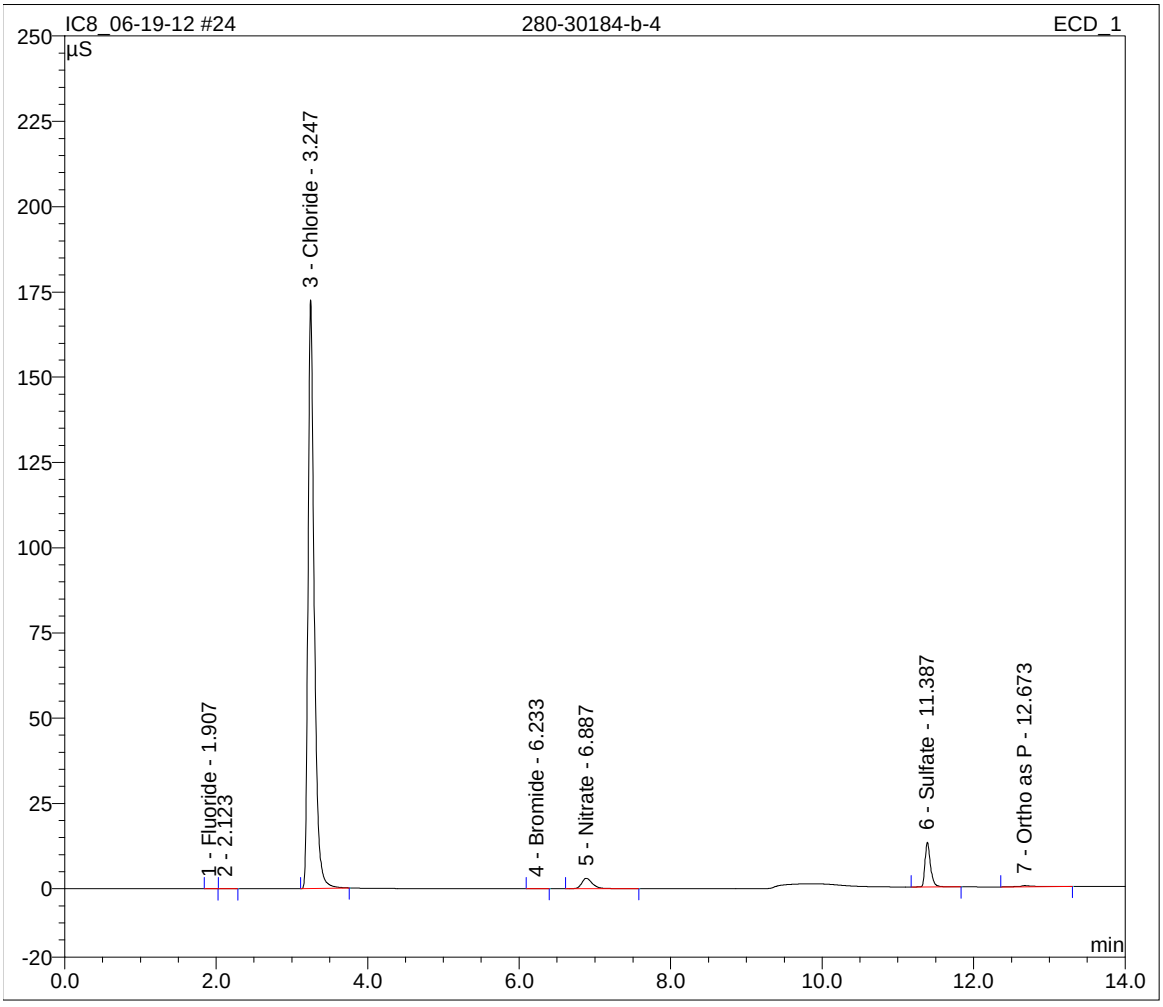
Sample Name:	**280-30184-b-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 12:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.019	0.202	0.0568
2	3.25	Chloride	BMB	11.205	119.307	82.1566
3	6.23	Bromide	BMB	0.002	0.013	0.0784
4	6.84	Nitrate	BMB	1.150	6.588	3.3639
5	11.37	Sulfate	BMB	1.945	21.492	17.9610
7	12.67	Ortho as P	BMB	0.120	0.465	0.0094
		TOTAL:		14.44	148.07	103.63



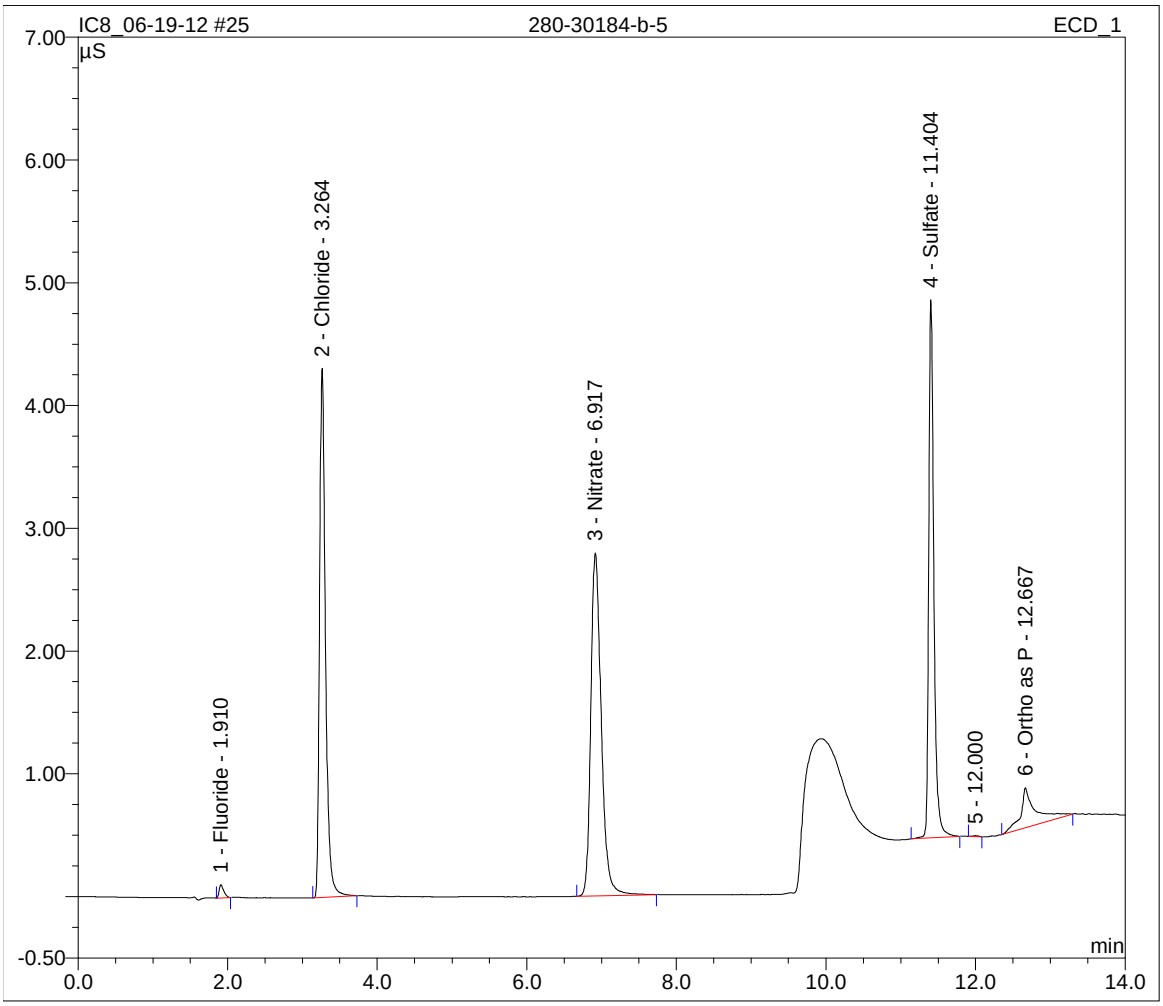
Sample Name:	**280-30184-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 13:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.073	0.0002
3	3.25	Chloride	BMB	16.406	172.676	120.2590
4	6.23	Bromide	BMB	0.002	0.012	0.0743
5	6.89	Nitrate	BMB	0.492	3.035	1.4577
6	11.39	Sulfate	BMB	1.088	13.093	9.9239
7	12.67	Ortho as P	BMB	0.081	0.342	-0.1979
		TOTAL:		18.07	189.23	131.52



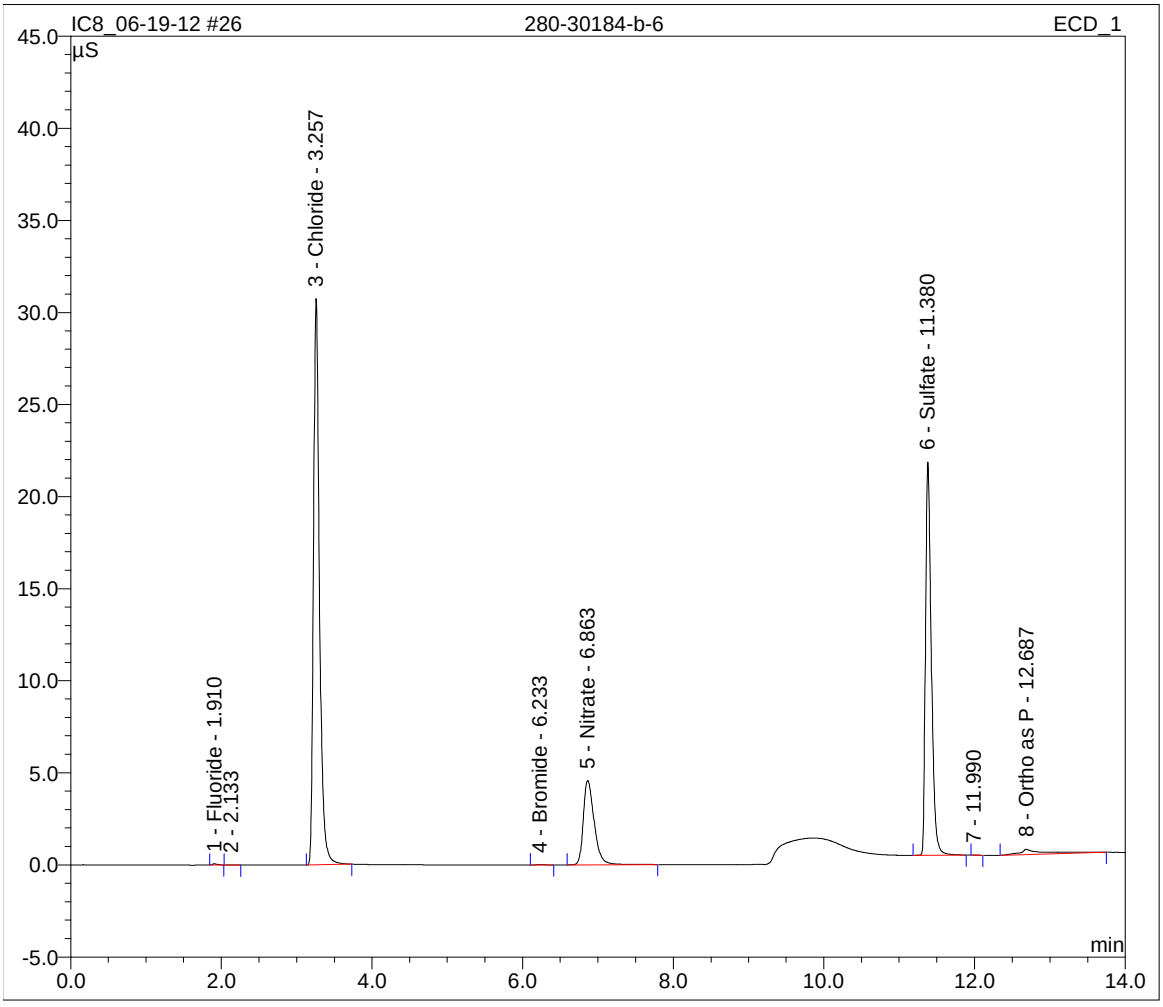
Sample Name:	**280-30184-b-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 13:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.008	0.108	0.0105
2	3.26	Chloride	BMB	0.395	4.307	2.9568
3	6.92	Nitrate	BMB	0.452	2.793	1.3414
4	11.40	Sulfate	BMB	0.346	4.384	2.9551
6	12.67	Ortho as P	BMB	0.076	0.325	-0.2205
		TOTAL:		1.28	11.92	7.04



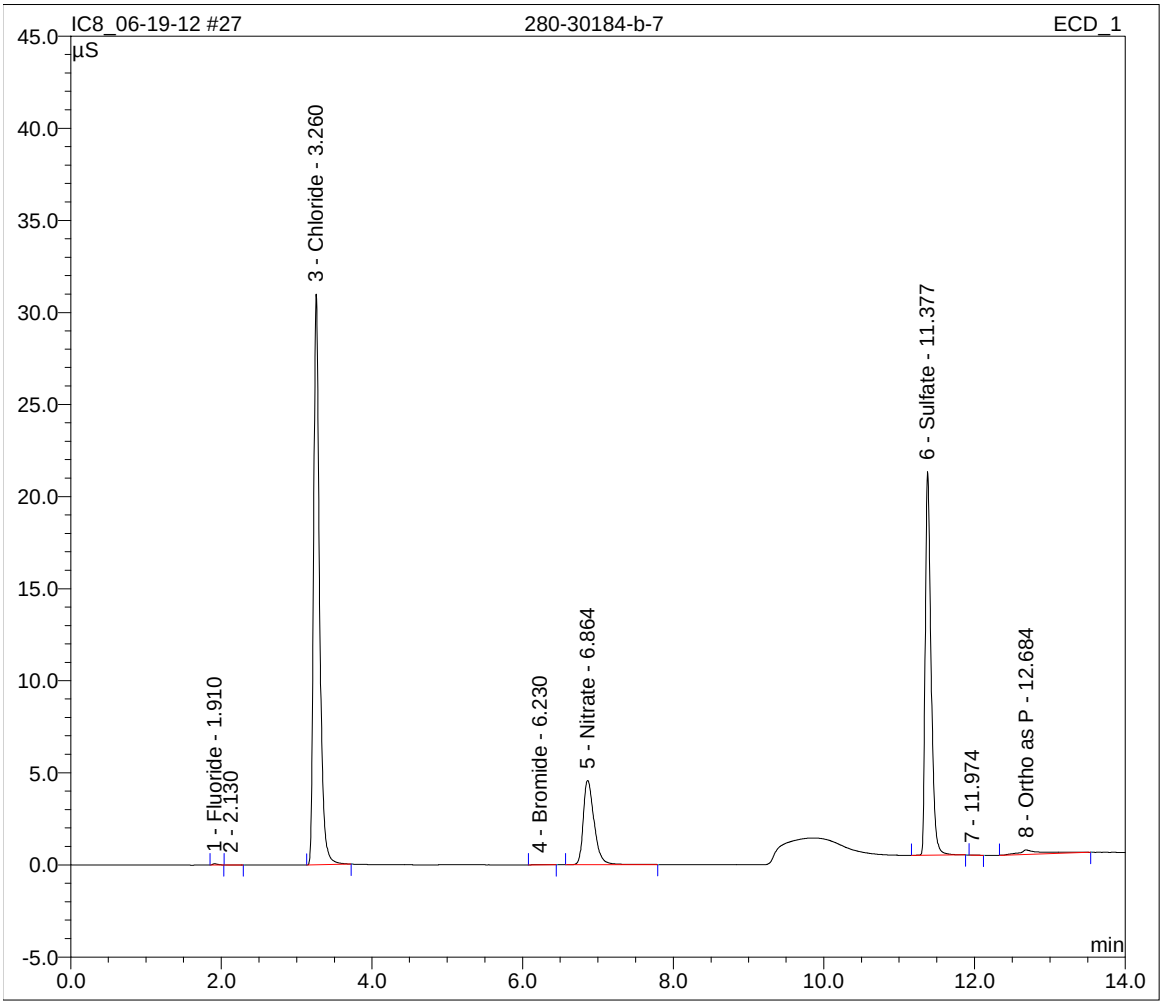
Sample Name:	**280-30184-b-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 13:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.065	-0.0020
3	3.26	Chloride	BMB	2.825	30.756	20.7585
4	6.23	Bromide	BMB	0.001	0.007	0.0646
5	6.86	Nitrate	BMB	0.761	4.564	2.2382
6	11.38	Sulfate	BMB	1.917	21.346	17.7010
8	12.69	Ortho as P	BMB	0.108	0.285	-0.0511
		TOTAL:		5.62	57.02	40.71



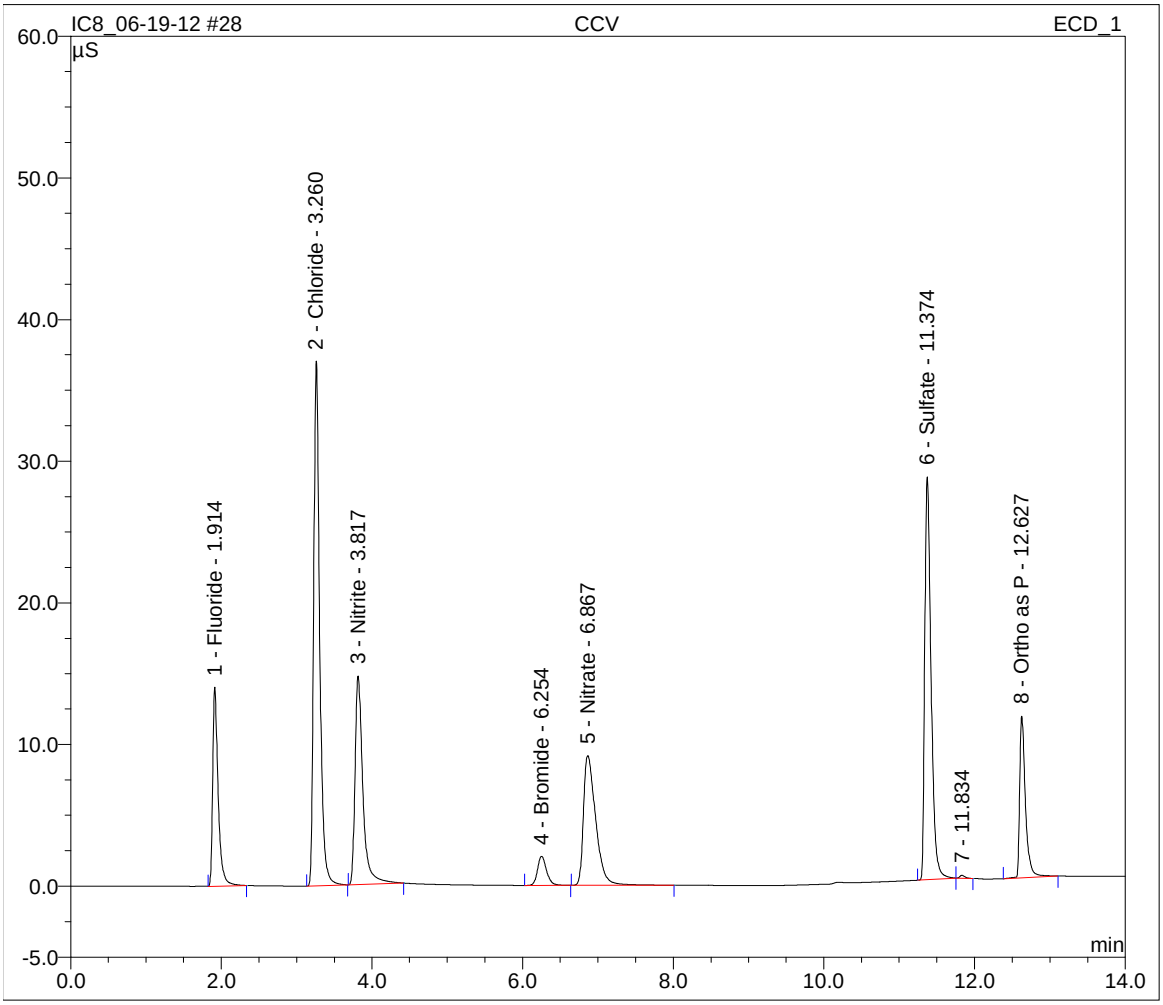
Sample Name:	**280-30184-b-7**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 13:54**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.066	-0.0015
3	3.26	Chloride	BMB	2.846	31.007	20.9159
4	6.23	Bromide	BMB	0.001	0.007	0.0648
5	6.86	Nitrate	BMB	0.762	4.574	2.2395
6	11.38	Sulfate	BMB	1.865	20.815	17.2106
8	12.68	Ortho as P	BMB	0.086	0.247	-0.1671
		TOTAL:		5.56	56.72	40.26



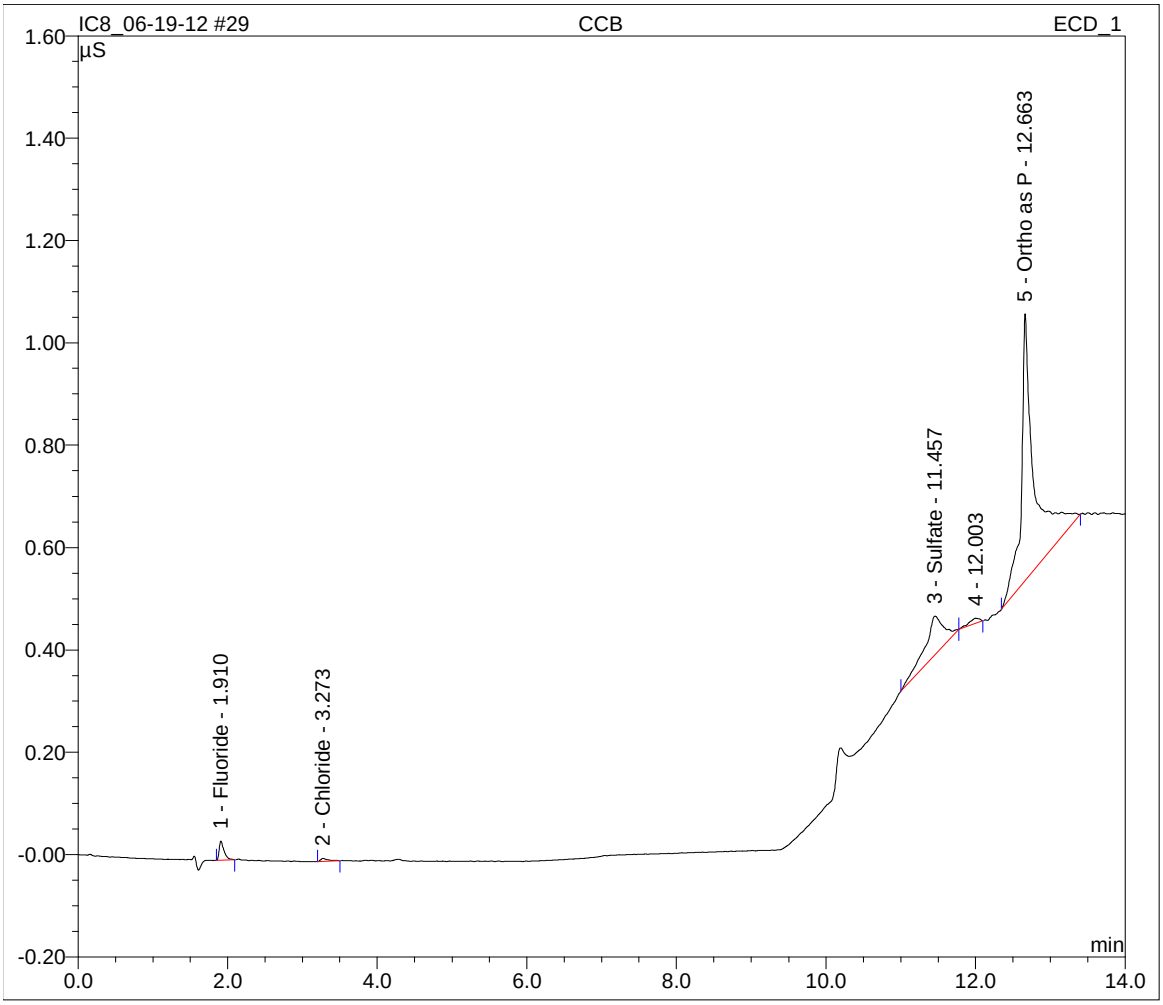
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 14:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.176	14.037	5.0260
2	3.26	Chloride	BMB	3.412	37.034	25.0596
3	3.82	Nitrite	BMB	1.771	14.725	4.8491
4	6.25	Bromide	BMB	0.284	2.042	4.9682
5	6.87	Nitrate	BMB	1.720	9.142	5.0114
6	11.37	Sulfate	BMb	2.767	28.425	25.6785
8	12.63	Ortho as P	BMB	1.005	11.401	4.6970
		TOTAL:		12.13	116.80	75.29



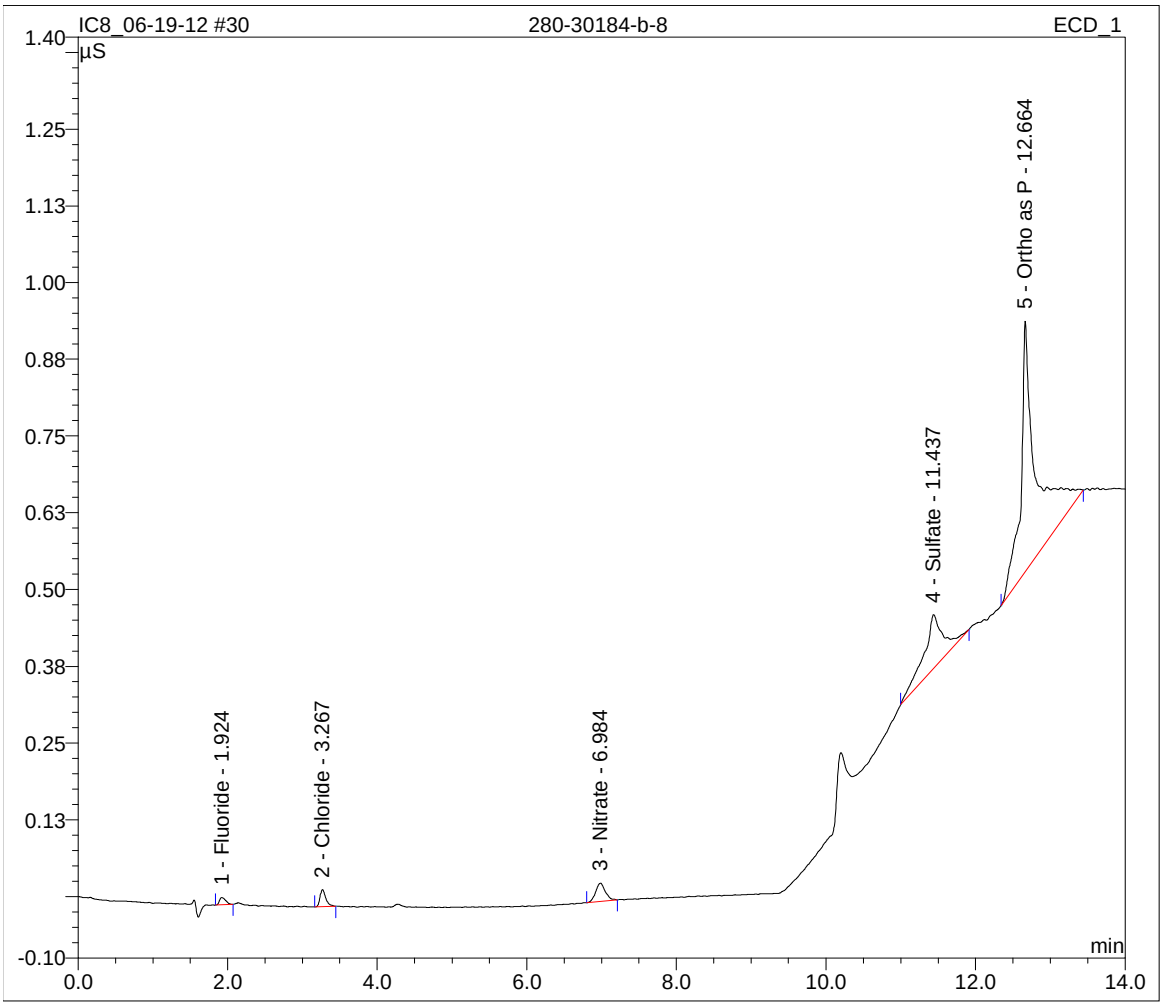
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 14:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.003	0.037	-0.0105
2	3.27	Chloride	BMB	0.001	0.006	0.0702
3	11.46	Sulfate	BMB	0.022	0.075	-0.0849
5	12.66	Ortho as P	BMB	0.107	0.522	-0.0556
TOTAL:				0.13	0.64	-0.08



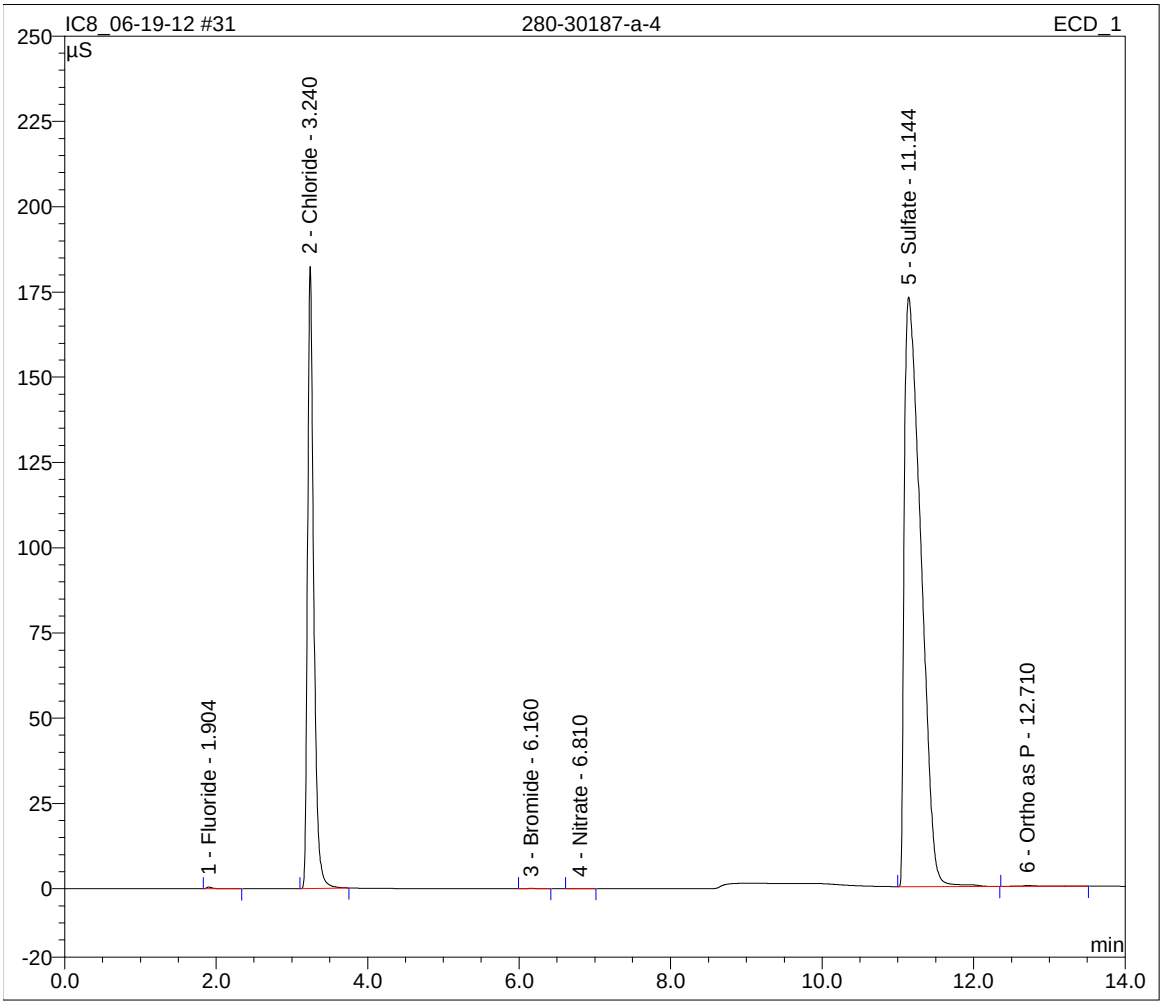
Sample Name:	**280-30184-b-8**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 14:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.001	0.012	-0.0178
2	3.27	Chloride	BMB	0.003	0.028	0.0836
3	6.98	Nitrate	BMB	0.004	0.030	0.0476
4	11.44	Sulfate	BMB	0.026	0.088	-0.0501
5	12.66	Ortho as P	BMB	0.098	0.408	-0.1053
		TOTAL:		0.13	0.57	-0.04



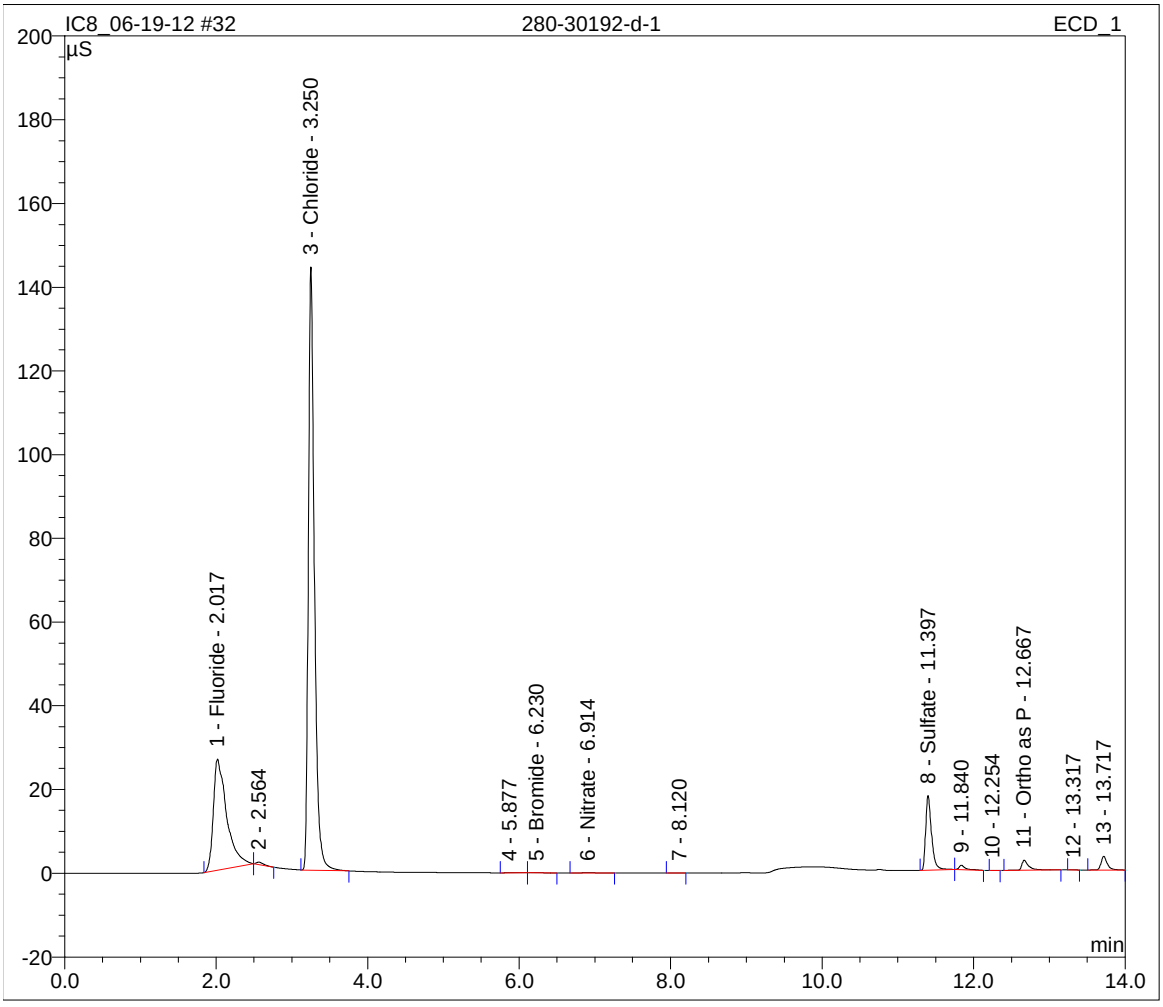
Sample Name:	**280-30187-a-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 15:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	0.047	0.528	0.1794
2	3.24	Chloride	BMB	17.284	182.450	126.6906
3	6.16	Bromide	BMB	0.008	0.061	0.1876
4	6.81	Nitrate	BMB	0.002	0.017	0.0416
5	11.14	Sulfate	BMB	43.904	172.921	411.7809
6	12.71	Ortho as P	BMB	0.084	0.278	-0.1768
		TOTAL:		61.33	356.25	538.70



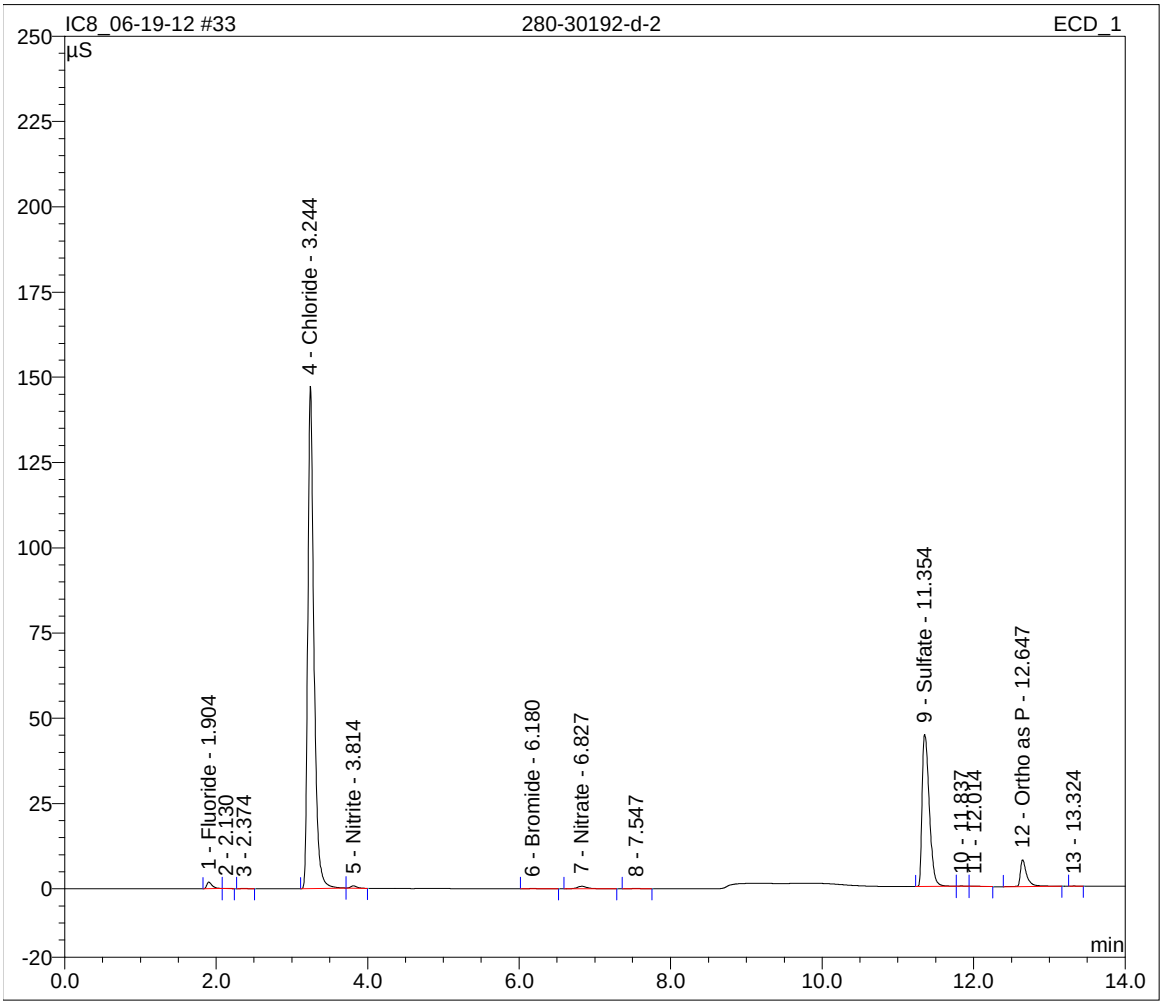
Sample Name:	**280-30192-d-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 15:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	2.02	Fluoride	BMb	5.408	26.565	23.2046
3	3.25	Chloride	BMB	13.429	144.126	98.4487
5	6.23	Bromide	bMB	0.005	0.043	0.1406
6	6.91	Nitrate	BMB	0.010	0.066	0.0645
8	11.40	Sulfate	BMb	1.588	17.804	14.6112
11	12.67	Ortho as P	BMB	0.268	2.424	0.7923
		TOTAL:		20.71	191.03	137.26



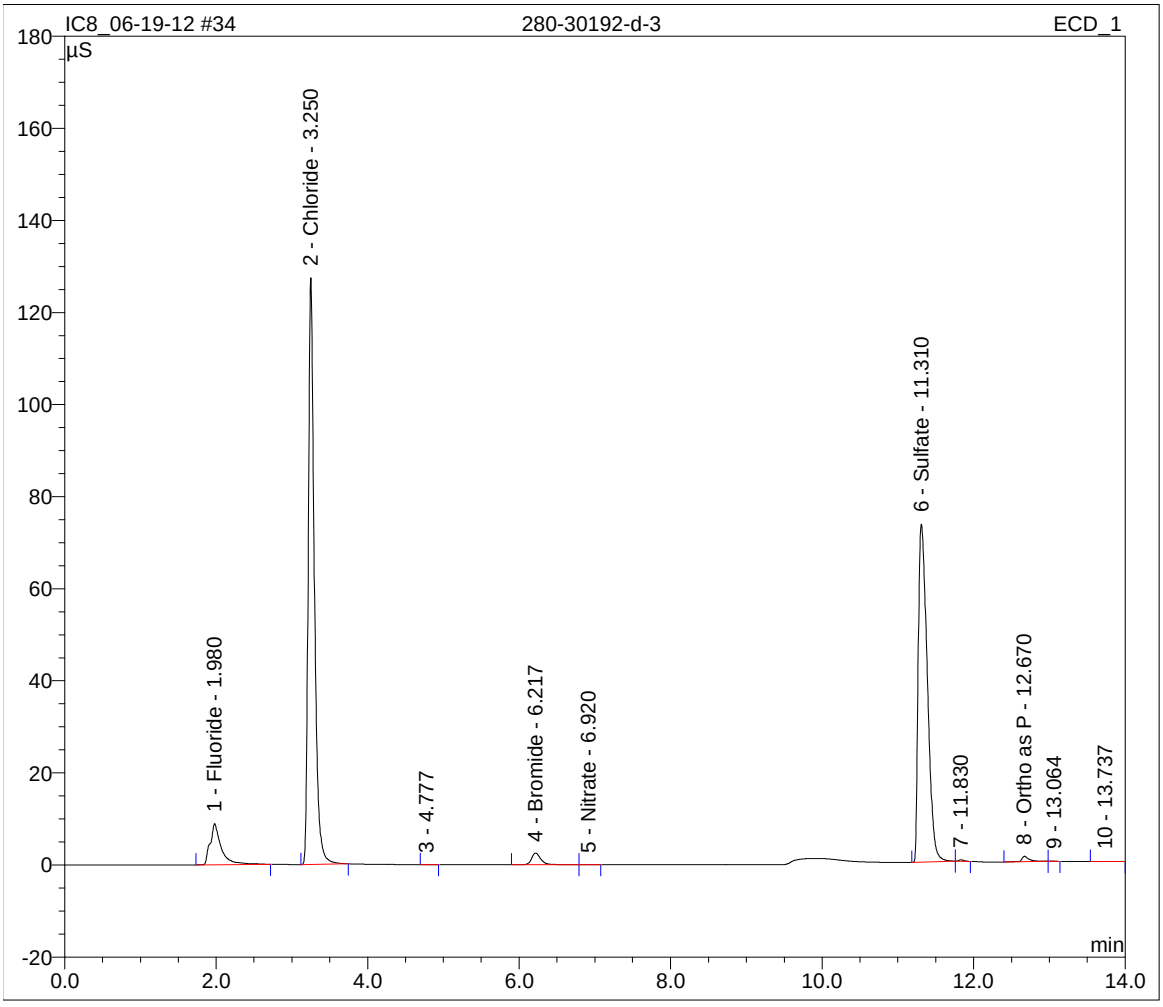
Sample Name:	**280-30192-d-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 15:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMb	0.160	1.964	0.6634
4	3.24	Chloride	BMb	13.861	147.226	101.6128
5	3.81	Nitrite	bMB	0.060	0.655	0.1971
6	6.18	Bromide	BMB	0.007	0.051	0.1749
7	6.83	Nitrate	BMB	0.105	0.707	0.3371
9	11.35	Sulfate	BMb	4.901	44.573	45.7069
12	12.65	Ortho as P	BMB	0.753	7.807	3.3623
		TOTAL:		19.85	202.98	152.05



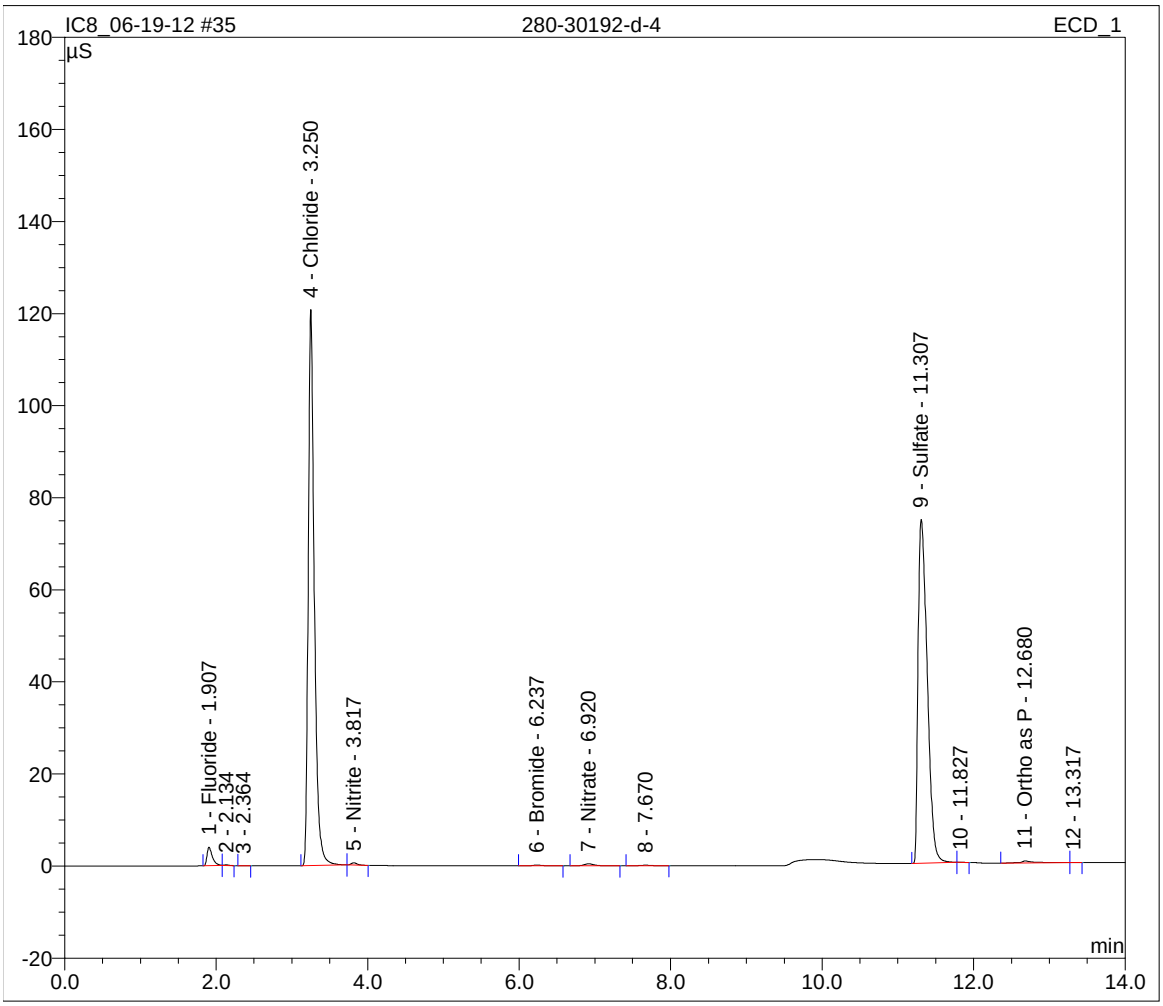
Sample Name:	**280-30192-d-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 16:09**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.98	Fluoride	BMB	1.501	8.922	6.4256
2	3.25	Chloride	BMB	11.938	127.431	87.5286
4	6.22	Bromide	BMb	0.353	2.500	6.1478
5	6.92	Nitrate	bMB	0.001	0.008	0.0377
6	11.31	Sulfate	BMb	10.196	73.406	95.4103
8	12.67	Ortho as P	BMb	0.134	1.192	0.0868
		TOTAL:		24.12	213.46	195.64



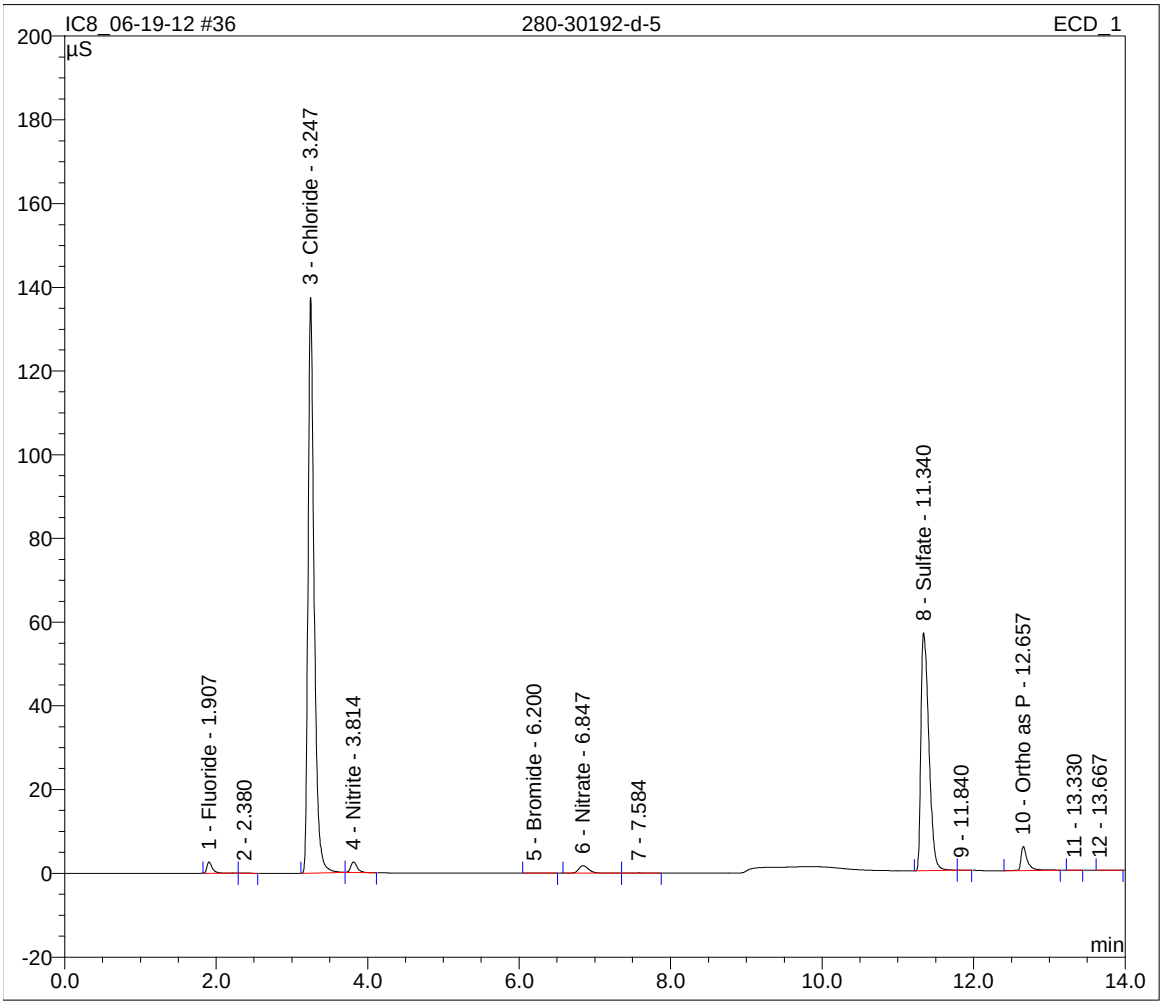
Sample Name:	**280-30192-d-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 16:26**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.325	4.029	1.3742
4	3.25	Chloride	BMb	11.304	120.795	82.8848
5	3.82	Nitrite	bMB	0.046	0.497	0.1570
6	6.24	Bromide	BMB	0.022	0.159	0.4327
7	6.92	Nitrate	BMB	0.066	0.434	0.2243
9	11.31	Sulfate	BMb	10.447	74.685	97.7583
11	12.68	Ortho as P	BMB	0.093	0.451	-0.1329
		TOTAL:		22.30	201.05	182.70



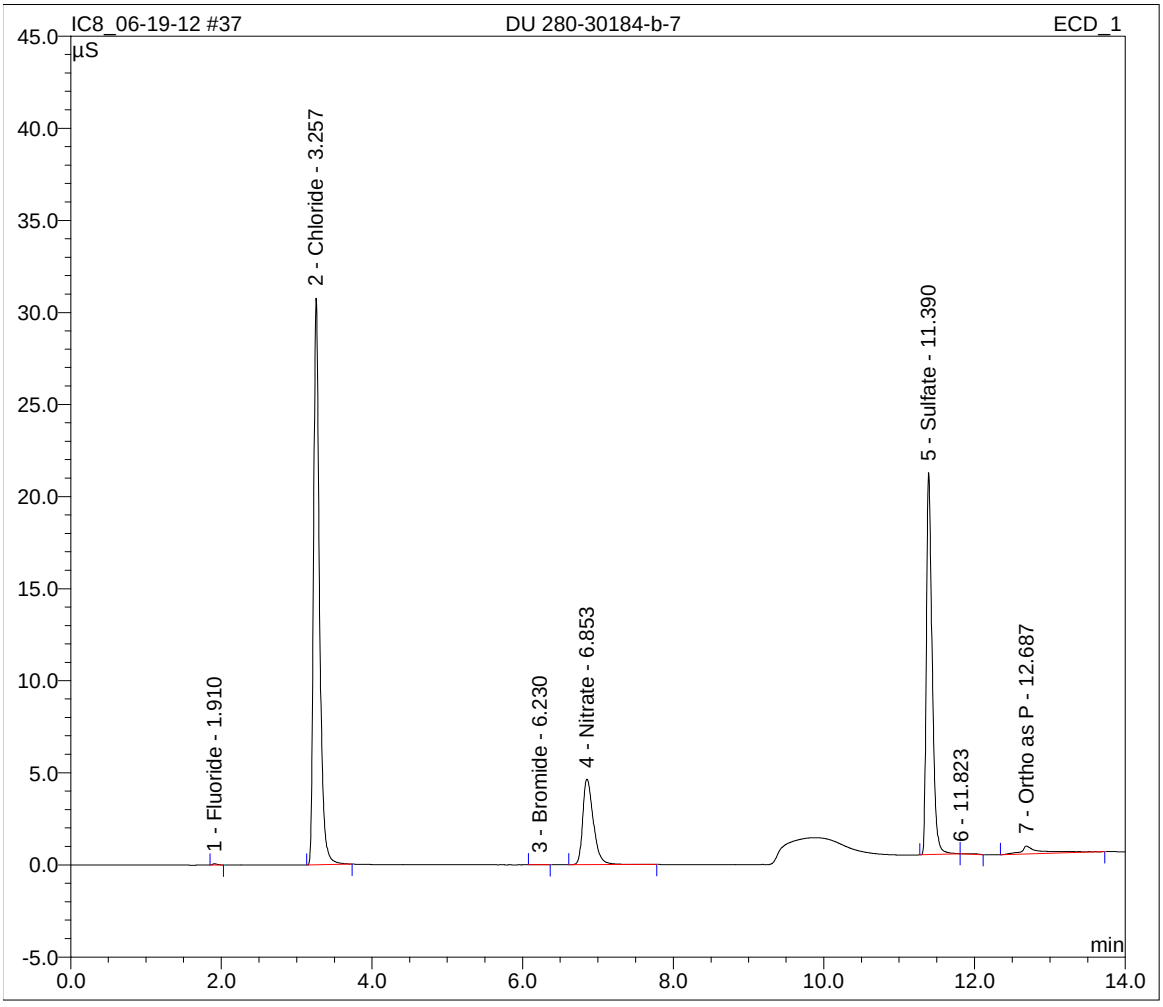
Sample Name:	**280-30192-d-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 16:42**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.227	2.731	0.9542
3	3.25	Chloride	BMb	12.907	137.594	94.6234
4	3.81	Nitrite	bMB	0.246	2.489	0.7021
5	6.20	Bromide	BMB	0.007	0.051	0.1718
6	6.85	Nitrate	BMb	0.276	1.815	0.8325
8	11.34	Sulfate	BMb	6.939	56.857	64.8337
10	12.66	Ortho as P	BMB	0.551	5.761	2.2918
		TOTAL:		21.15	207.30	164.41



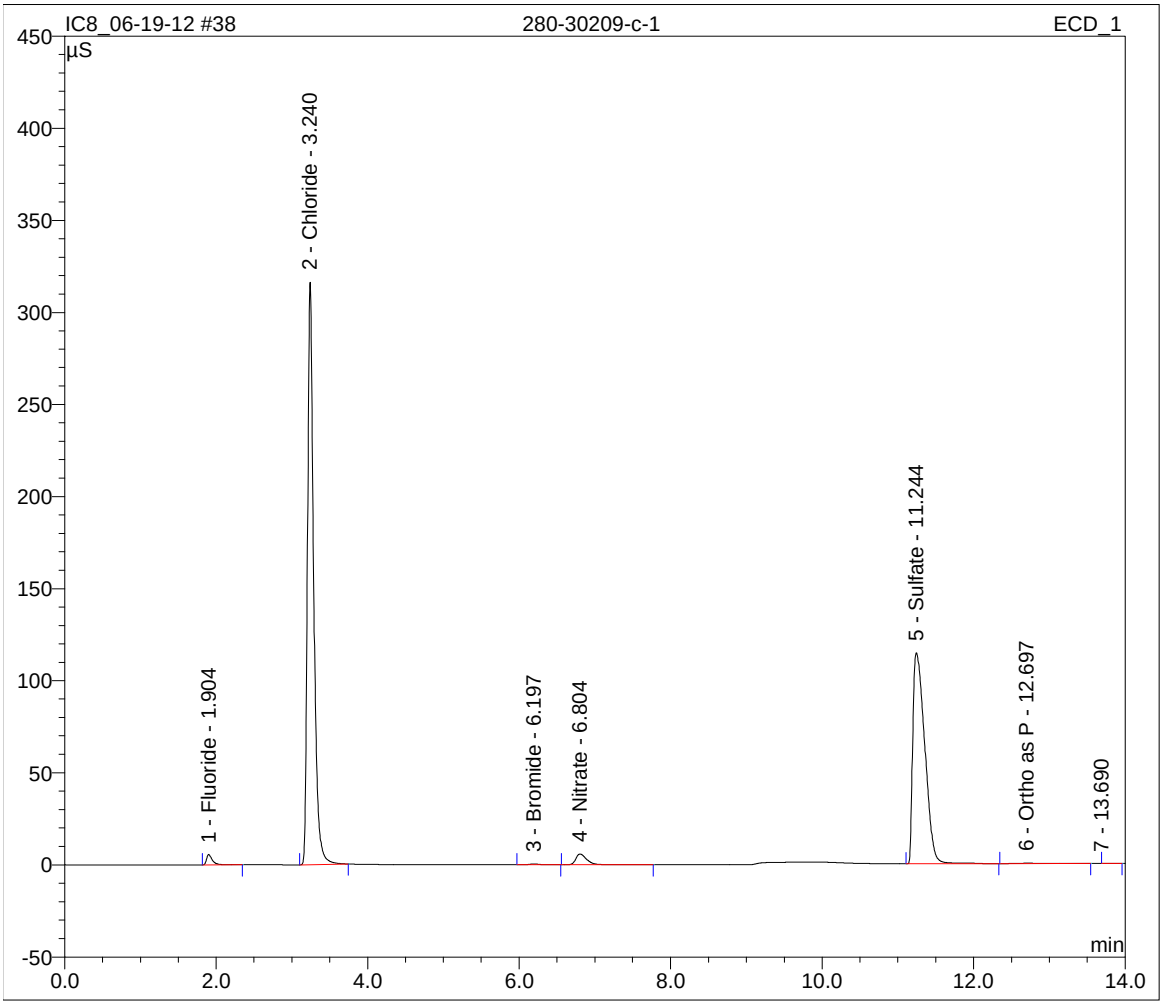
Sample Name:	**DU 280-30184-b-7**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 16:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.074	0.0006
2	3.26	Chloride	BMB	2.820	30.781	20.7233
3	6.23	Bromide	BMB	0.001	0.007	0.0635
4	6.85	Nitrate	BMB	0.760	4.636	2.2327
5	11.39	Sulfate	BMb	1.857	20.735	17.1385
7	12.69	Ortho as P	BMB	0.126	0.430	0.0426
		TOTAL:		5.57	56.66	40.20



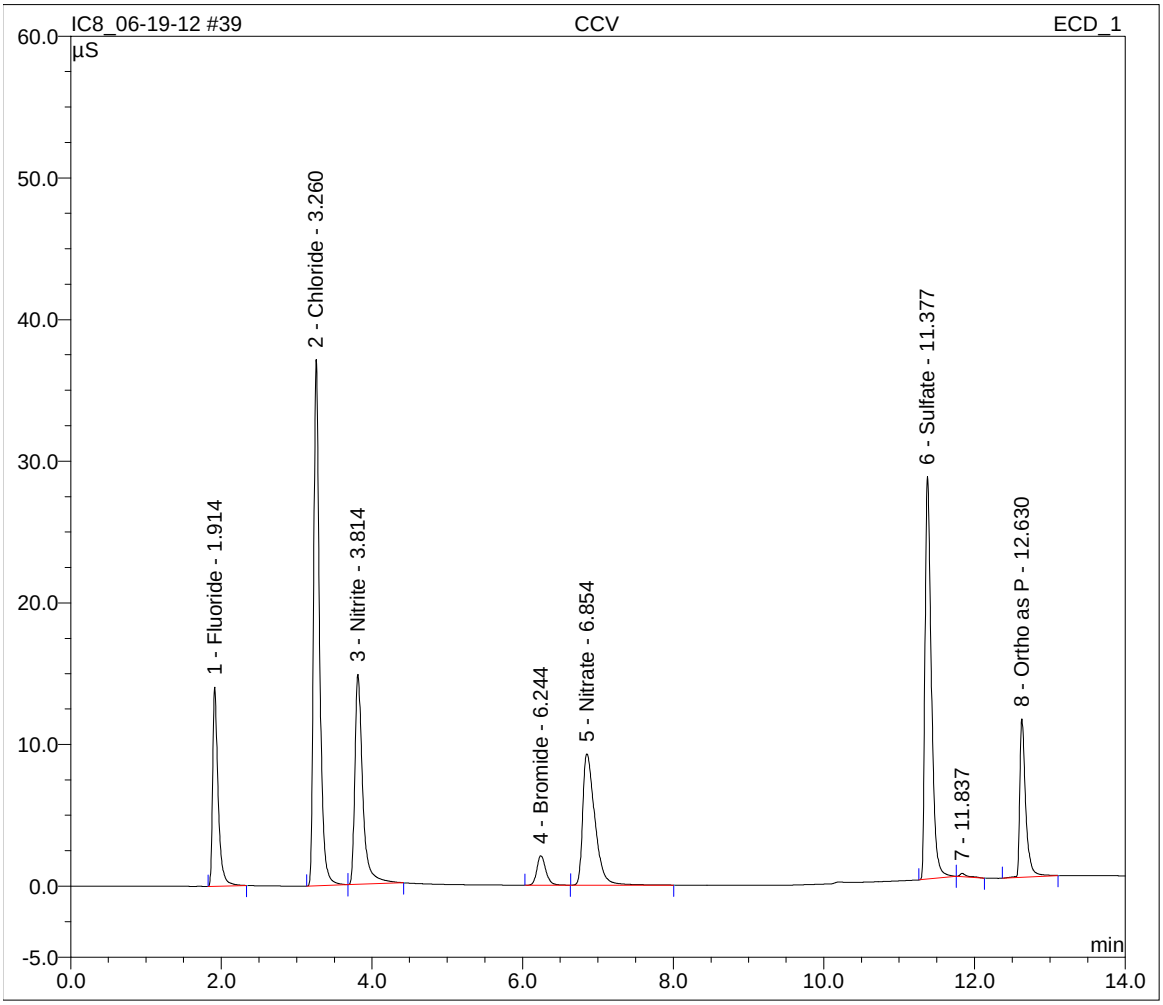
Sample Name:	**280-30209-c-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 17:16**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMB	0.497	5.640	2.1136
2	3.24	Chloride	BMB	30.048	316.290	220.2021
3	6.20	Bromide	BMB	0.062	0.461	1.1139
4	6.80	Nitrate	BMB	0.967	5.822	2.8336
5	11.24	Sulfate	BMB	21.061	114.615	197.3860
6	12.70	Ortho as P	BMB	0.098	0.328	-0.1035
TOTAL:				52.73	443.16	423.55



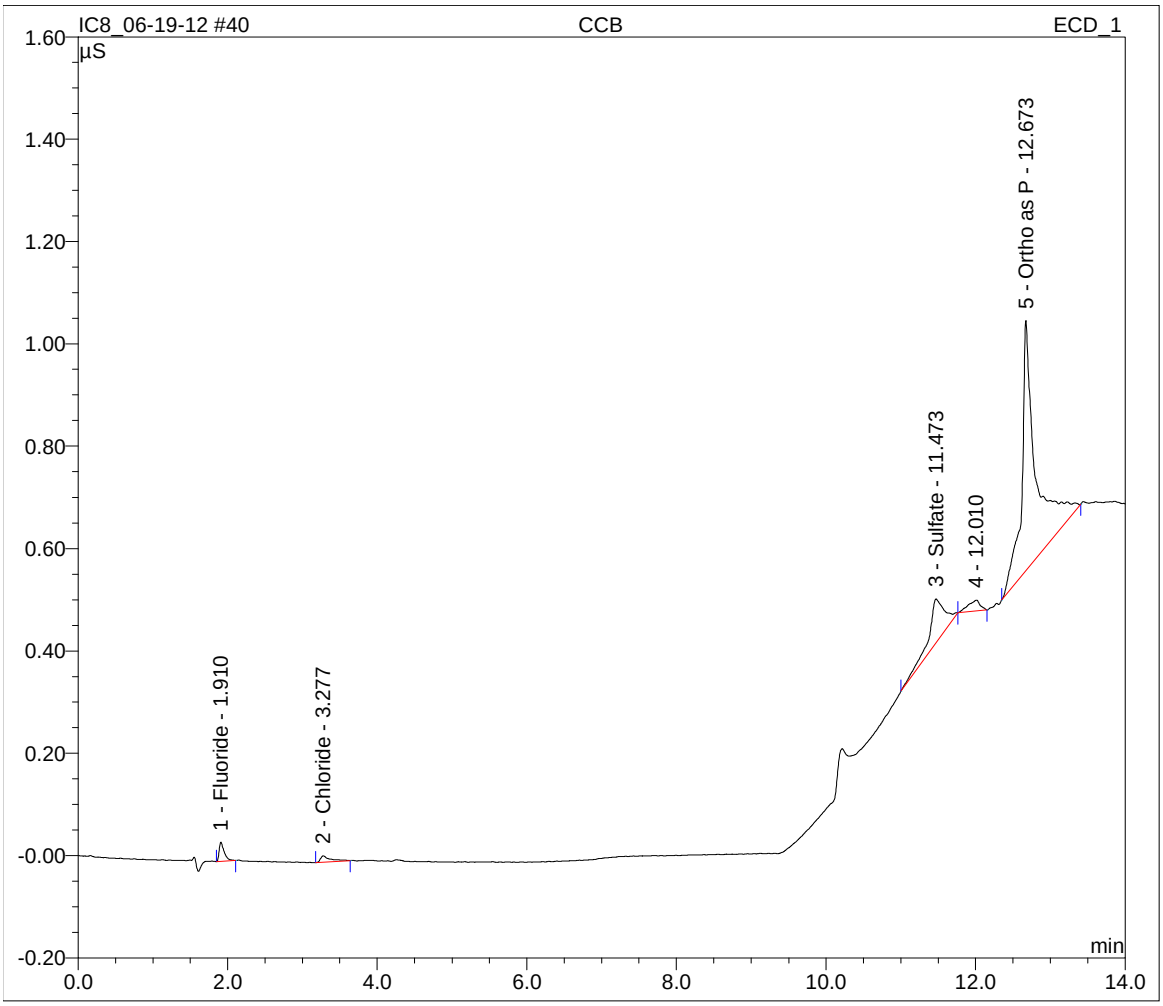
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 17:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.179	14.053	5.0407
2	3.26	Chloride	BMb	3.416	37.150	25.0922
3	3.81	Nitrite	bMB	1.788	14.836	4.8957
4	6.24	Bromide	BMB	0.286	2.080	4.9920
5	6.85	Nitrate	BMB	1.726	9.252	5.0294
6	11.38	Sulfate	BMb	2.789	28.419	25.8836
8	12.63	Ortho as P	BMB	1.006	11.168	4.7038
		TOTAL:		12.19	116.96	75.64



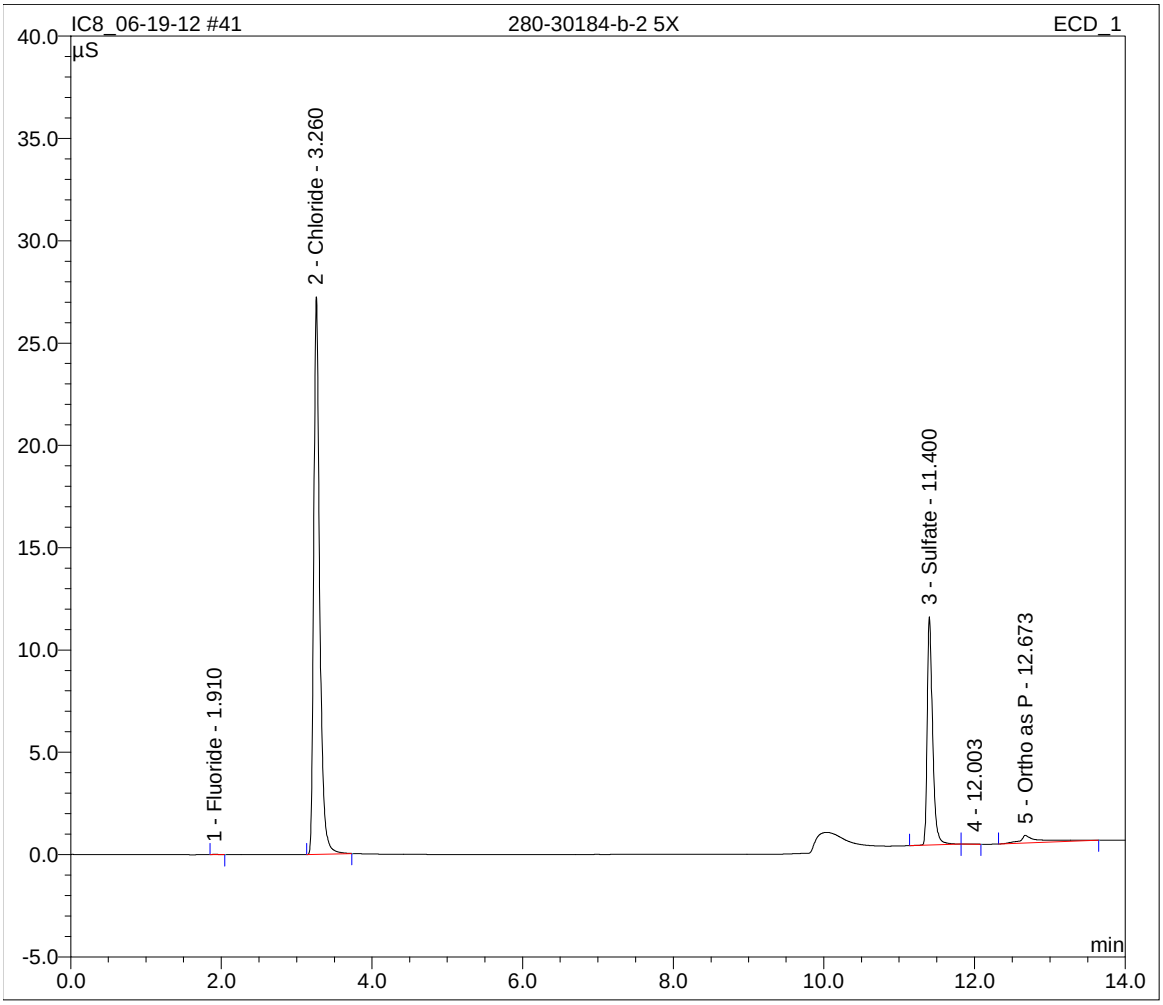
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 17:50**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.003	0.037	-0.0102
2	3.28	Chloride	BMB	0.002	0.013	0.0794
3	11.47	Sulfate	BMB	0.020	0.085	-0.1016
5	12.67	Ortho as P	BMB	0.108	0.489	-0.0508
		TOTAL:		0.13	0.62	-0.08



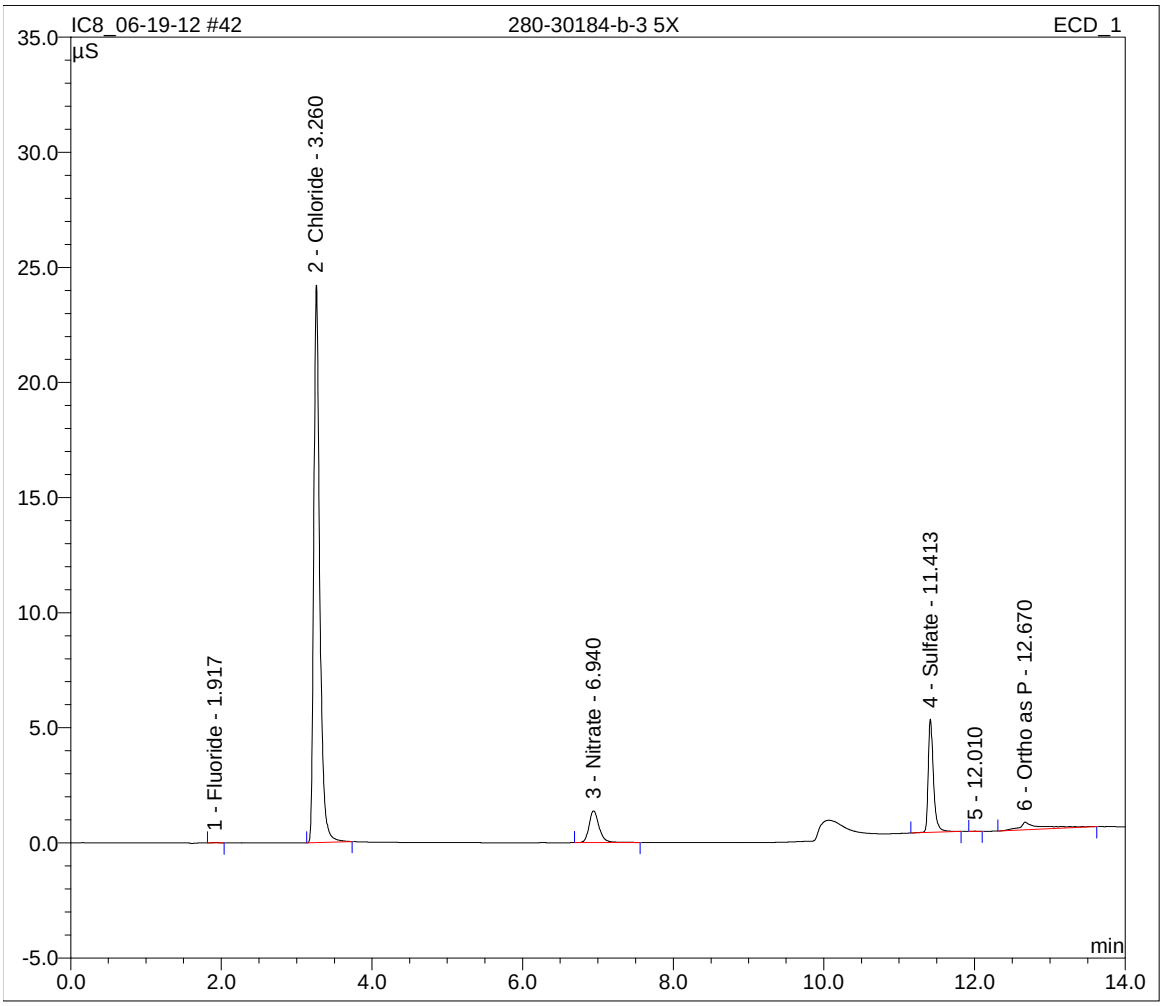
Sample Name:	**280-30184-b-2 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 18:06**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.002	0.022	-0.0783
2	3.26	Chloride	BMB	2.497	27.264	91.7874
3	11.40	Sulfate	BMb	0.928	11.153	42.1115
5	12.67	Ortho as P	BMB	0.115	0.379	-0.0763
		TOTAL:		3.54	38.82	133.74



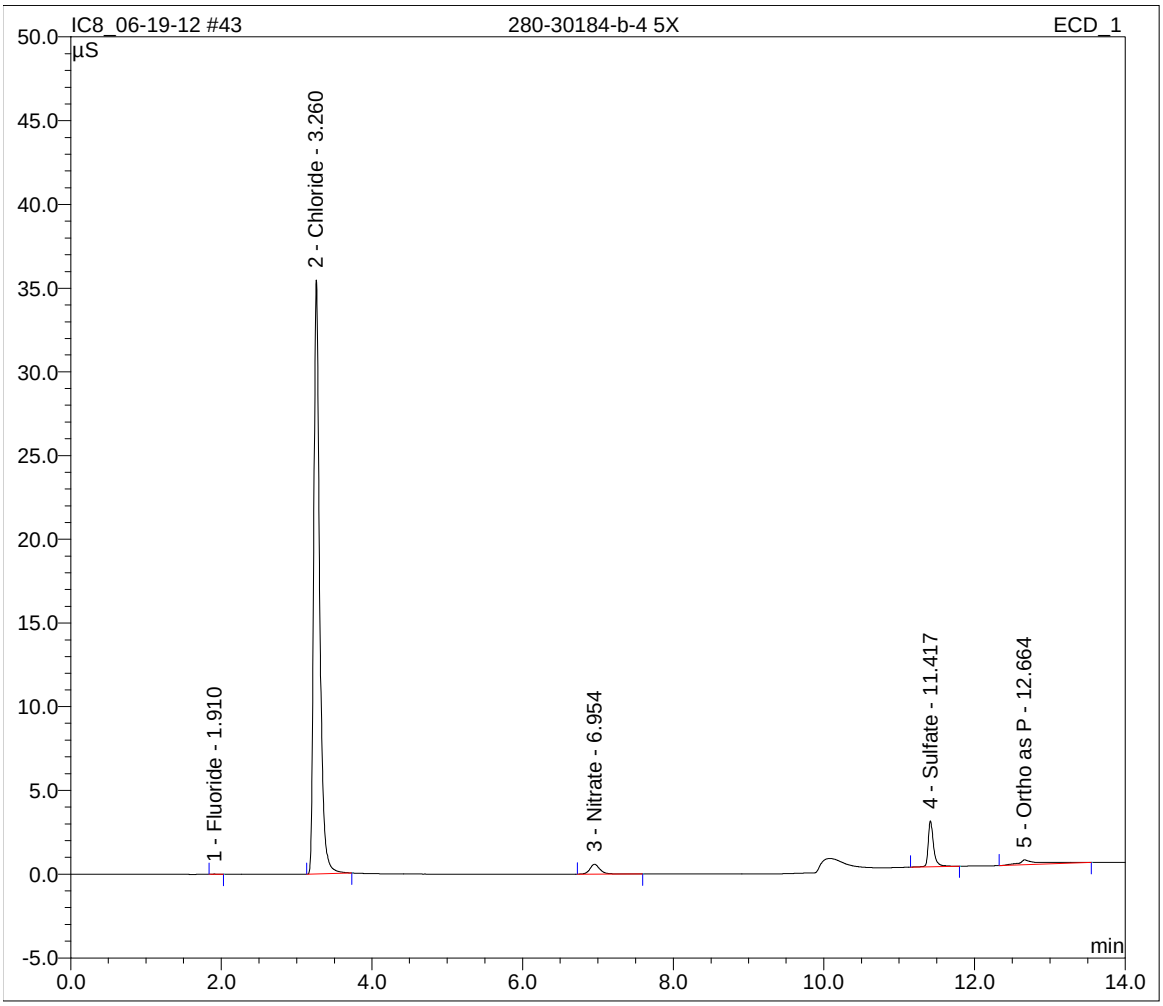
Sample Name:	**280-30184-b-3 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 18:23**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.002	0.021	-0.0765
2	3.26	Chloride	BMB	2.221	24.221	81.6800
3	6.94	Nitrate	BMB	0.213	1.375	3.2525
4	11.41	Sulfate	BMB	0.397	4.918	17.1622
6	12.67	Ortho as P	BMB	0.108	0.336	-0.2538
		TOTAL:		2.94	30.87	101.76



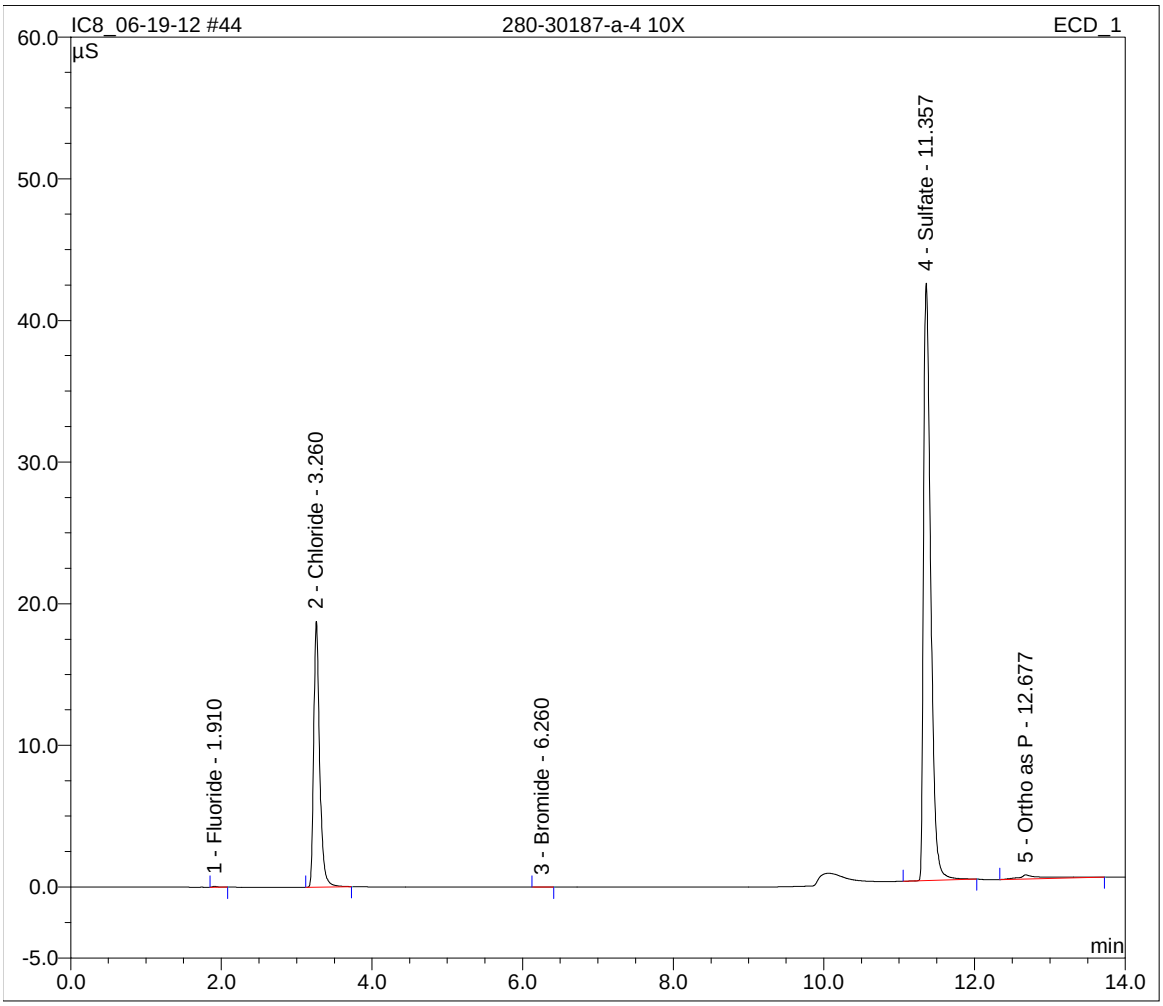
Sample Name:	**280-30184-b-4 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 18:40**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.001	0.016	-0.0872
2	3.26	Chloride	BMB	3.262	35.487	119.8067
3	6.95	Nitrate	BMB	0.090	0.581	1.4769
4	11.42	Sulfate	BMB	0.222	2.744	8.9592
5	12.66	Ortho as P	BMB	0.099	0.298	-0.5128
		TOTAL:		3.67	39.13	129.64



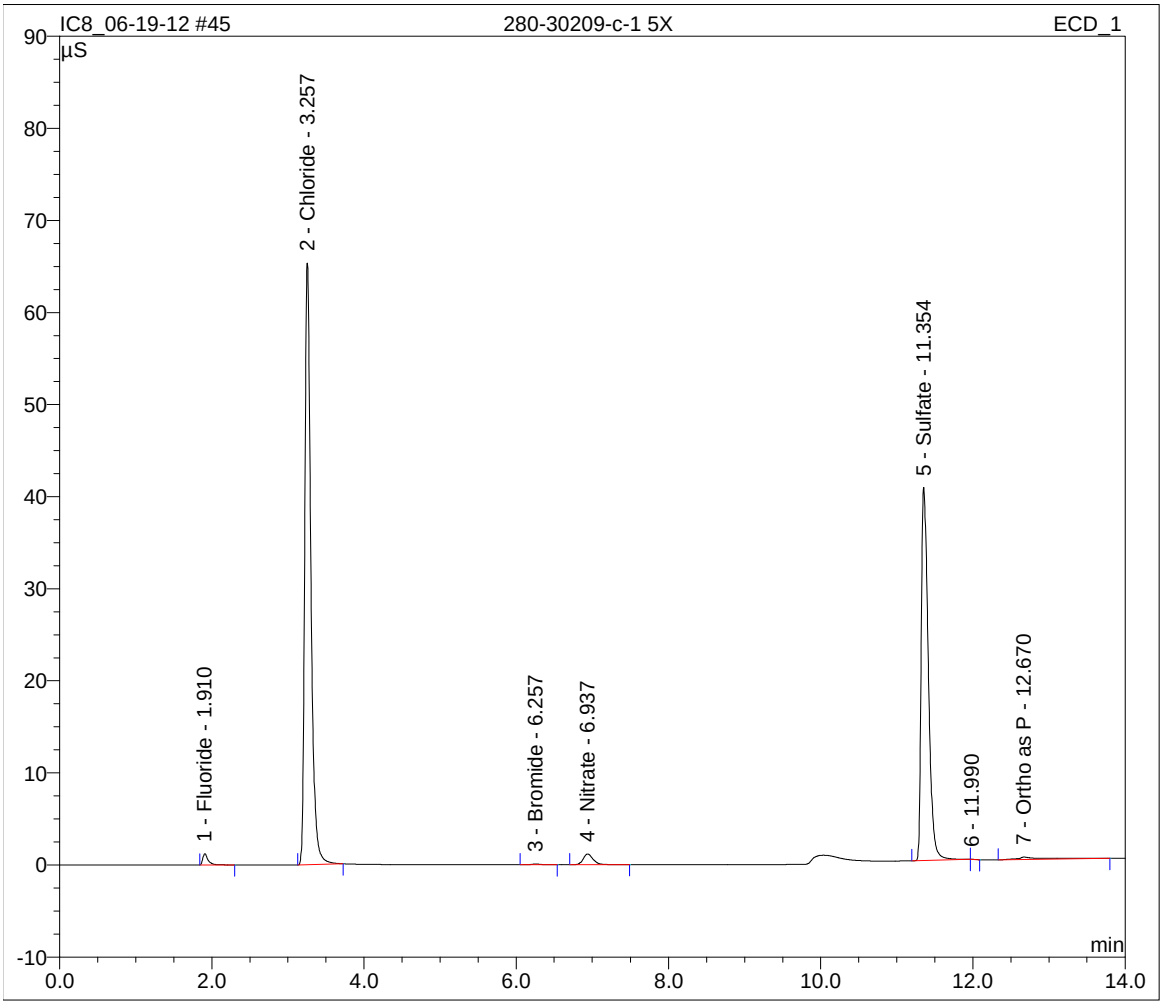
Sample Name:	**280-30187-a-4 10X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**10.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 18:57**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.004	0.061	-0.0376
2	3.26	Chloride	BMB	1.717	18.764	126.4468
3	6.26	Bromide	BMB	0.001	0.006	0.6101
4	11.36	Sulfate	BMB	4.655	42.178	433.9580
5	12.68	Ortho as P	BMB	0.110	0.292	-0.4425
		TOTAL:		6.49	61.30	560.53



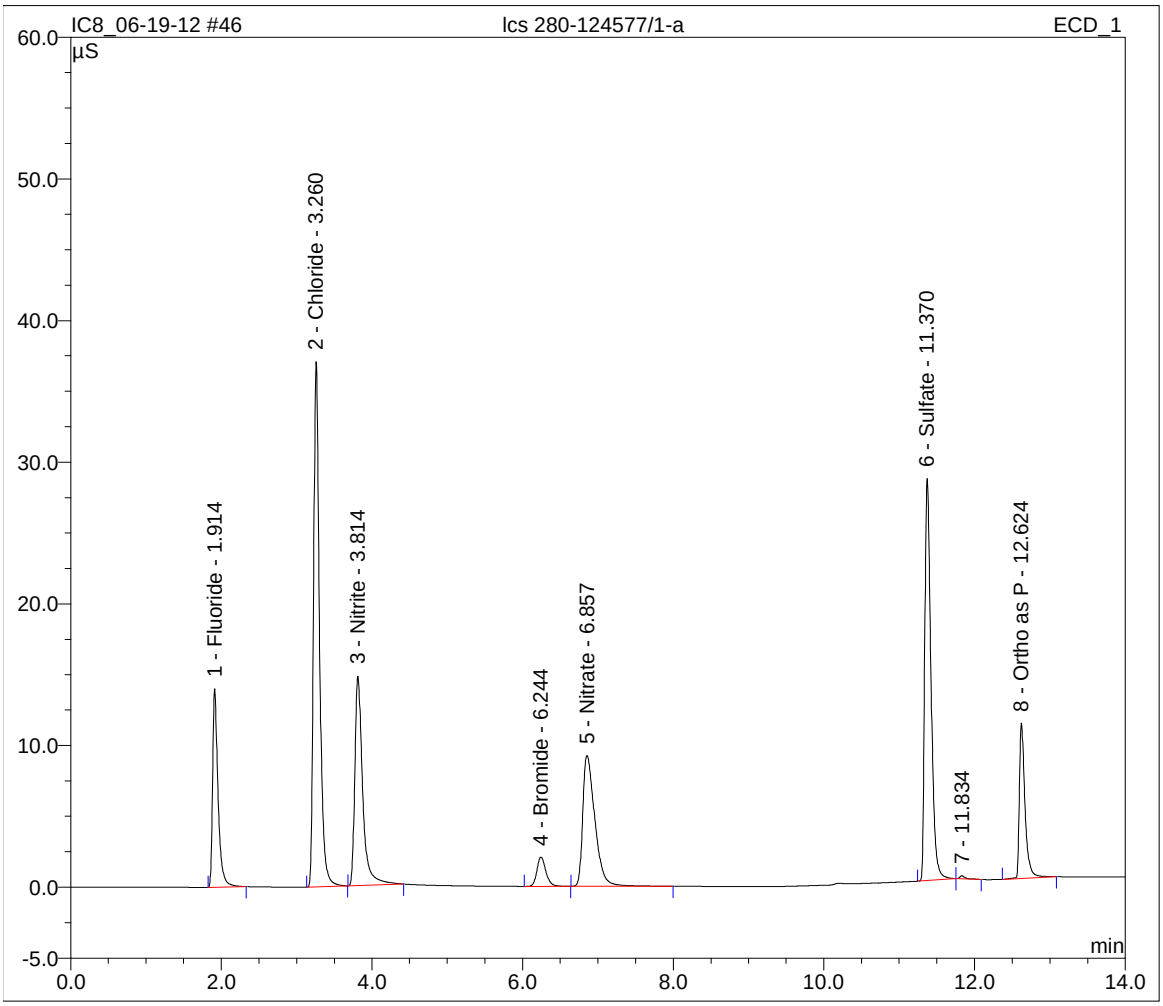
Sample Name:	**280-30209-c-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 19:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.098	1.226	2.0014
2	3.26	Chloride	BMB	6.054	65.341	222.1094
3	6.26	Bromide	BMB	0.011	0.083	1.2263
4	6.94	Nitrate	BMB	0.179	1.162	2.7648
5	11.35	Sulfate	BMb	4.398	40.507	204.9489
7	12.67	Ortho as P	BMB	0.112	0.279	-0.1486
		TOTAL:		10.85	108.60	432.90



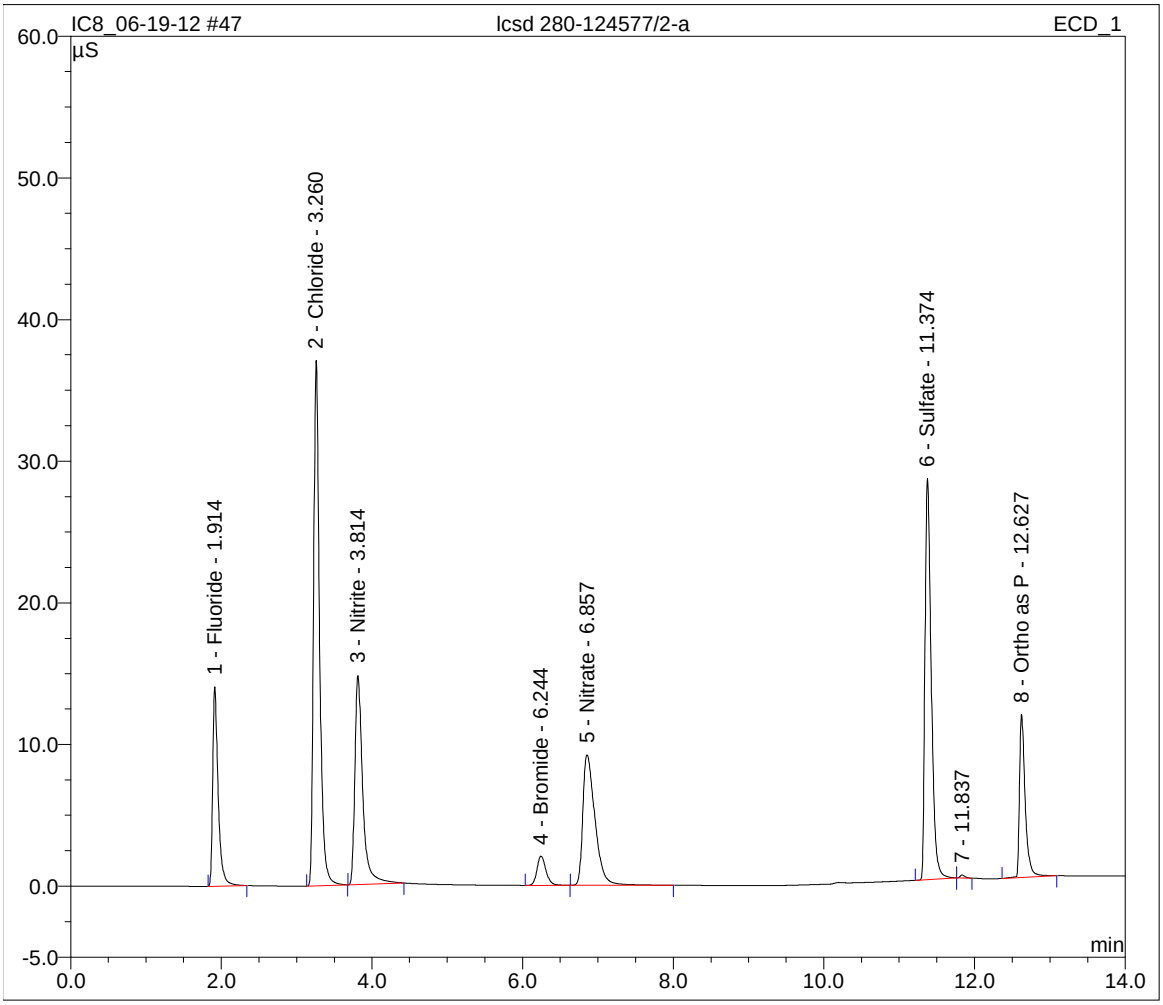
Sample Name:	**lcs 280-124577/1-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 19:30**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.169	14.001	5.0000
2	3.26	Chloride	BMB	3.415	37.070	25.0815
3	3.81	Nitrite	BMB	1.781	14.780	4.8763
4	6.24	Bromide	BMB	0.286	2.063	4.9874
5	6.86	Nitrate	BMB	1.719	9.205	5.0083
6	11.37	Sulfate	BMb	2.737	28.366	25.3956
8	12.62	Ortho as P	BMB	0.948	10.957	4.3950
		TOTAL:		12.05	116.44	74.74



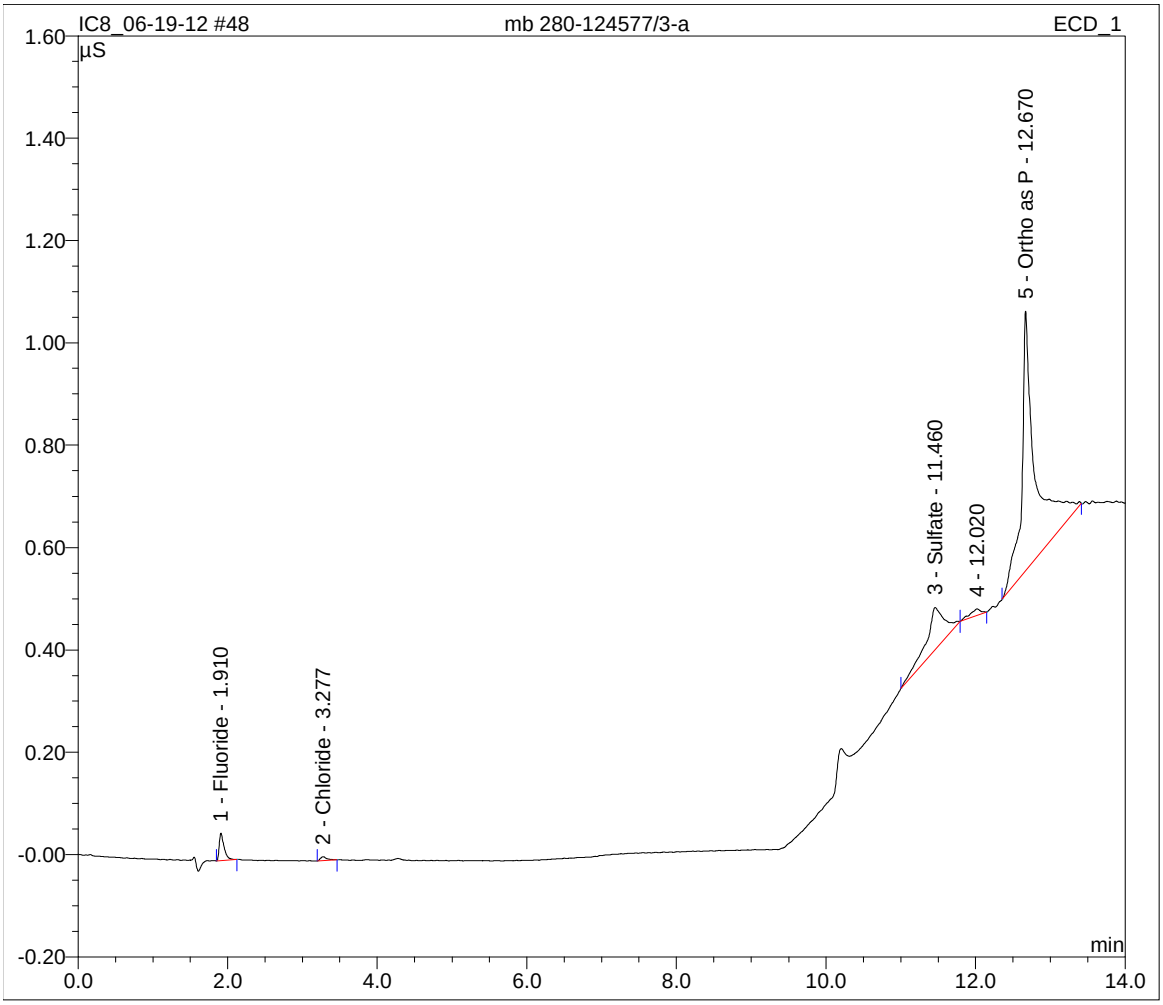
Sample Name:	**lcsd 280-124577/2-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 19:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.180	14.077	5.0453
2	3.26	Chloride	BMB	3.413	37.076	25.0727
3	3.81	Nitrite	BMB	1.780	14.767	4.8737
4	6.24	Bromide	BMB	0.286	2.061	4.9868
5	6.86	Nitrate	BMB	1.722	9.190	5.0175
6	11.37	Sulfate	BMB	2.734	28.308	25.3687
8	12.63	Ortho as P	BMB	1.007	11.500	4.7088
		TOTAL:		12.12	116.98	75.07



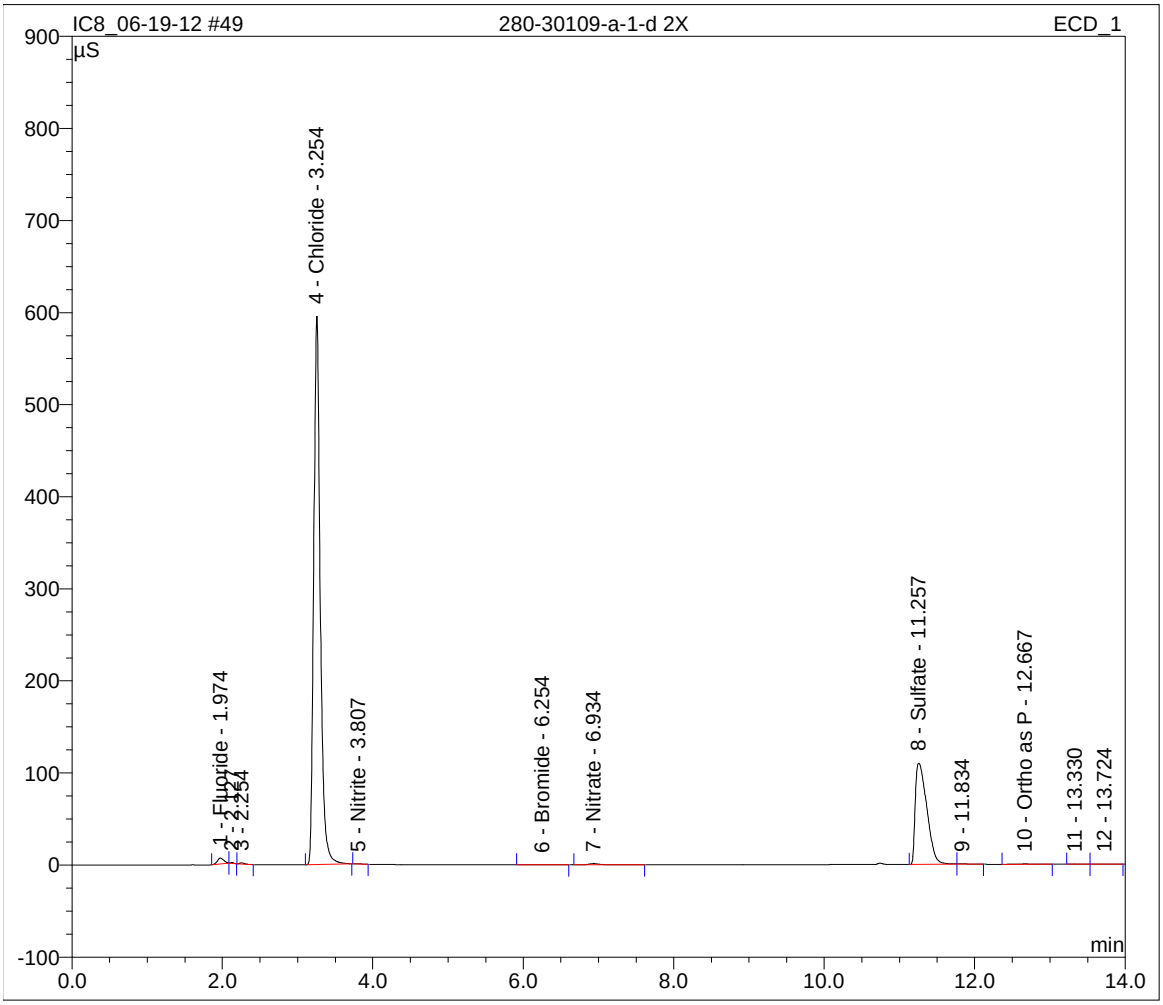
Sample Name:	**mb 280-124577/3-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 20:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.004	0.053	-0.0053
2	3.28	Chloride	BMB	0.001	0.008	0.0709
3	11.46	Sulfate	BMB	0.023	0.082	-0.0755
5	12.67	Ortho as P	BMB	0.108	0.508	-0.0508
TOTAL:				0.14	0.65	-0.06



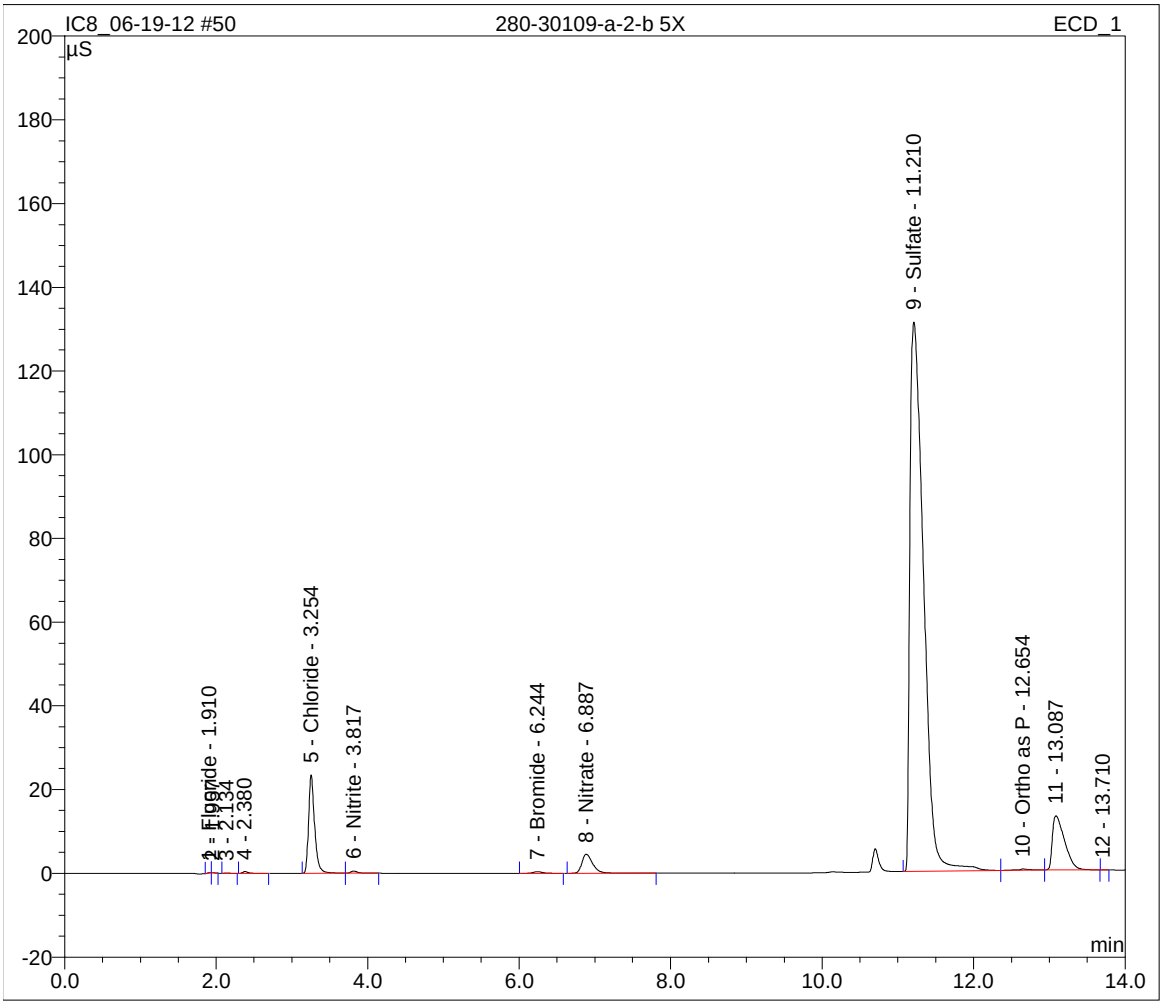
Sample Name:	**280-30109-a-1-d 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 20:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.97	Fluoride	BMb	0.624	6.406	5.3113
4	3.25	Chloride	BMB	59.532	595.676	872.4245
5	3.81	Nitrite	BMB	0.025	0.293	0.2004
6	6.25	Bromide	BMB	0.020	0.127	0.7714
7	6.93	Nitrate	BMB	0.203	1.273	1.2444
8	11.26	Sulfate	BMb	19.460	109.736	364.7092
10	12.67	Ortho as P	BMB	0.070	0.464	-0.5025
		TOTAL:		79.93	713.97	1244.16



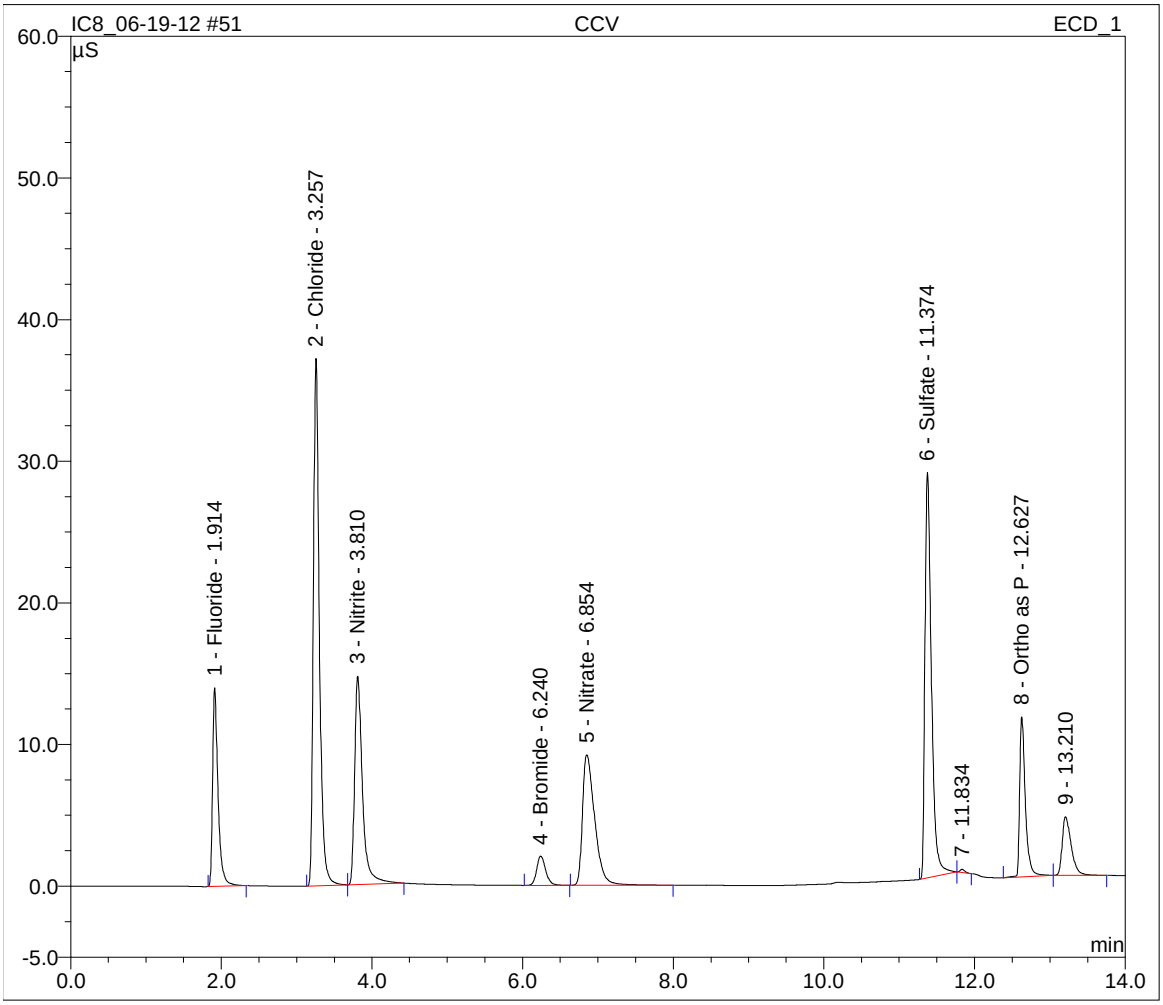
Sample Name:	**280-30109-a-2-b 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 20:54**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.003	0.068	-0.0419
5	3.25	Chloride	BMb	2.175	23.536	79.9960
6	3.82	Nitrite	bMB	0.048	0.495	0.8172
7	6.24	Bromide	BMB	0.054	0.396	4.9452
8	6.89	Nitrate	BMB	0.758	4.538	11.1462
9	11.21	Sulfate	BMB	27.259	131.297	1277.7798
10	12.65	Ortho as P	bMB	0.046	0.285	-1.9135
		TOTAL:		30.34	160.61	1372.73



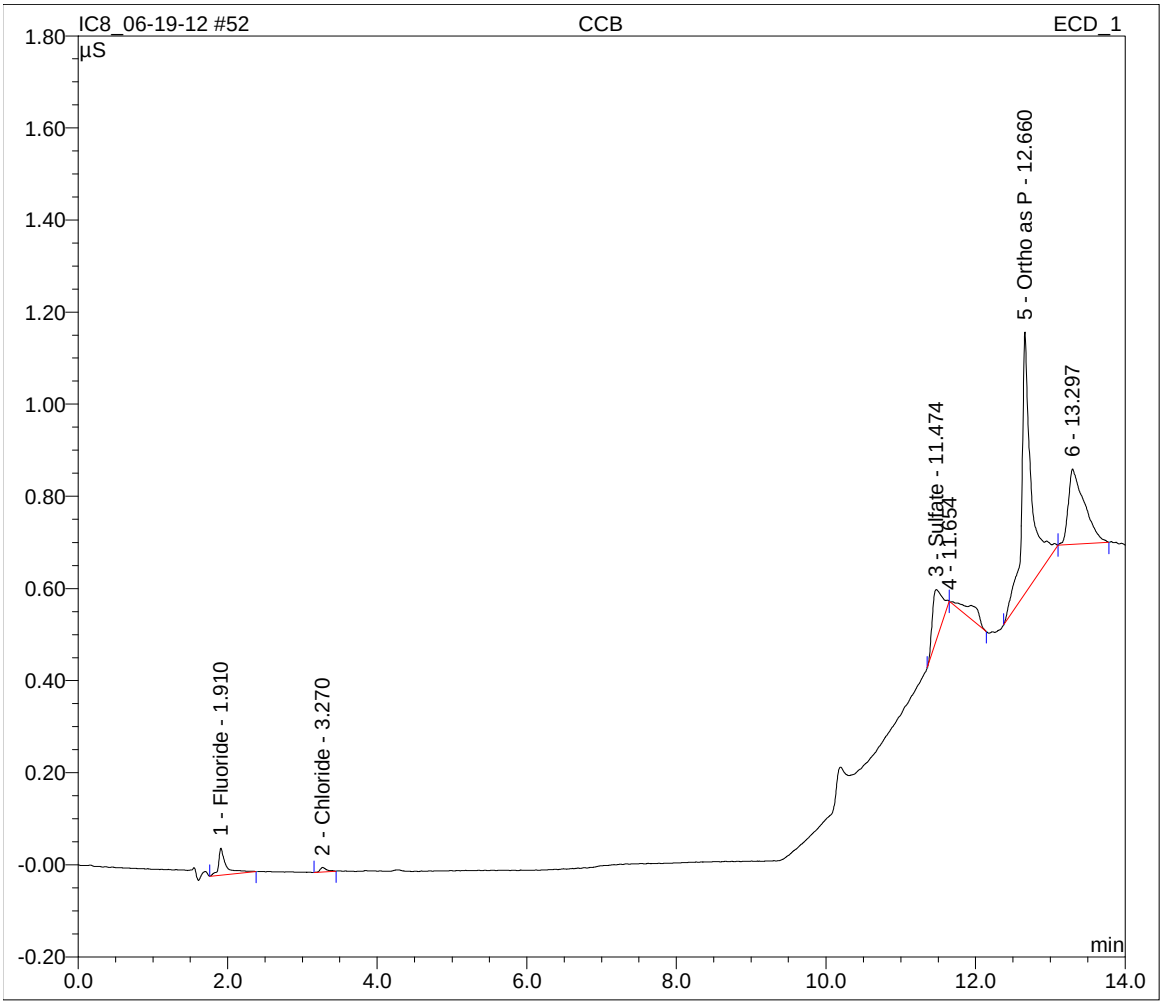
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 21:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.175	14.021	5.0238
2	3.26	Chloride	BMB	3.430	37.218	25.1948
3	3.81	Nitrite	bMB	1.774	14.723	4.8562
4	6.24	Bromide	BMB	0.287	2.063	5.0141
5	6.85	Nitrate	BMB	1.730	9.201	5.0421
6	11.37	Sulfate	BMb	2.849	28.618	26.4480
8	12.63	Ortho as P	BMb	0.979	11.281	4.5604
		TOTAL:		12.22	117.12	76.14



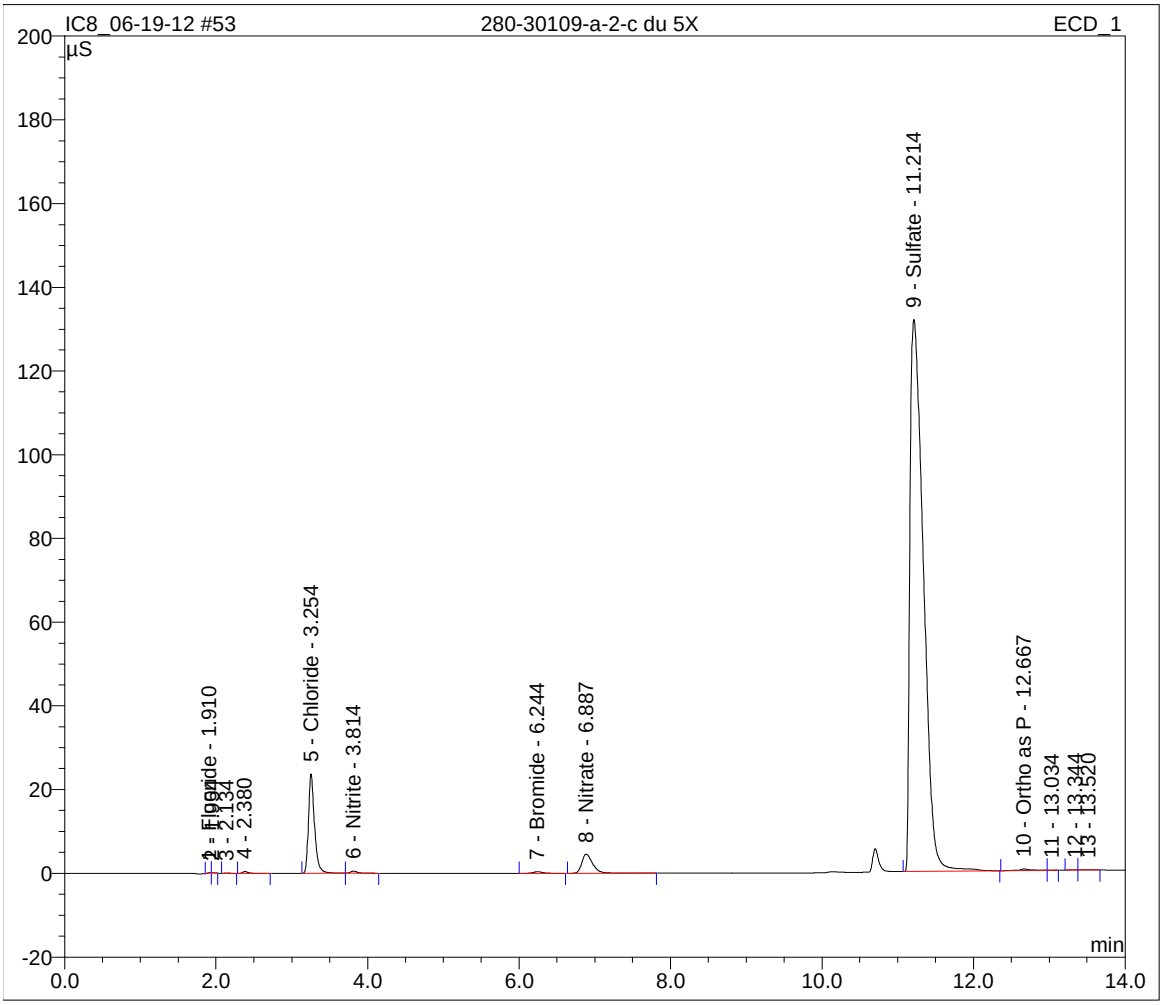
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 21:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.007	0.059	0.0073
2	3.27	Chloride	BMB	0.001	0.010	0.0723
3	11.47	Sulfate	BMB	0.016	0.111	-0.1379
5	12.66	Ortho as P	BMB	0.084	0.568	-0.1819
TOTAL:				0.11	0.75	-0.24



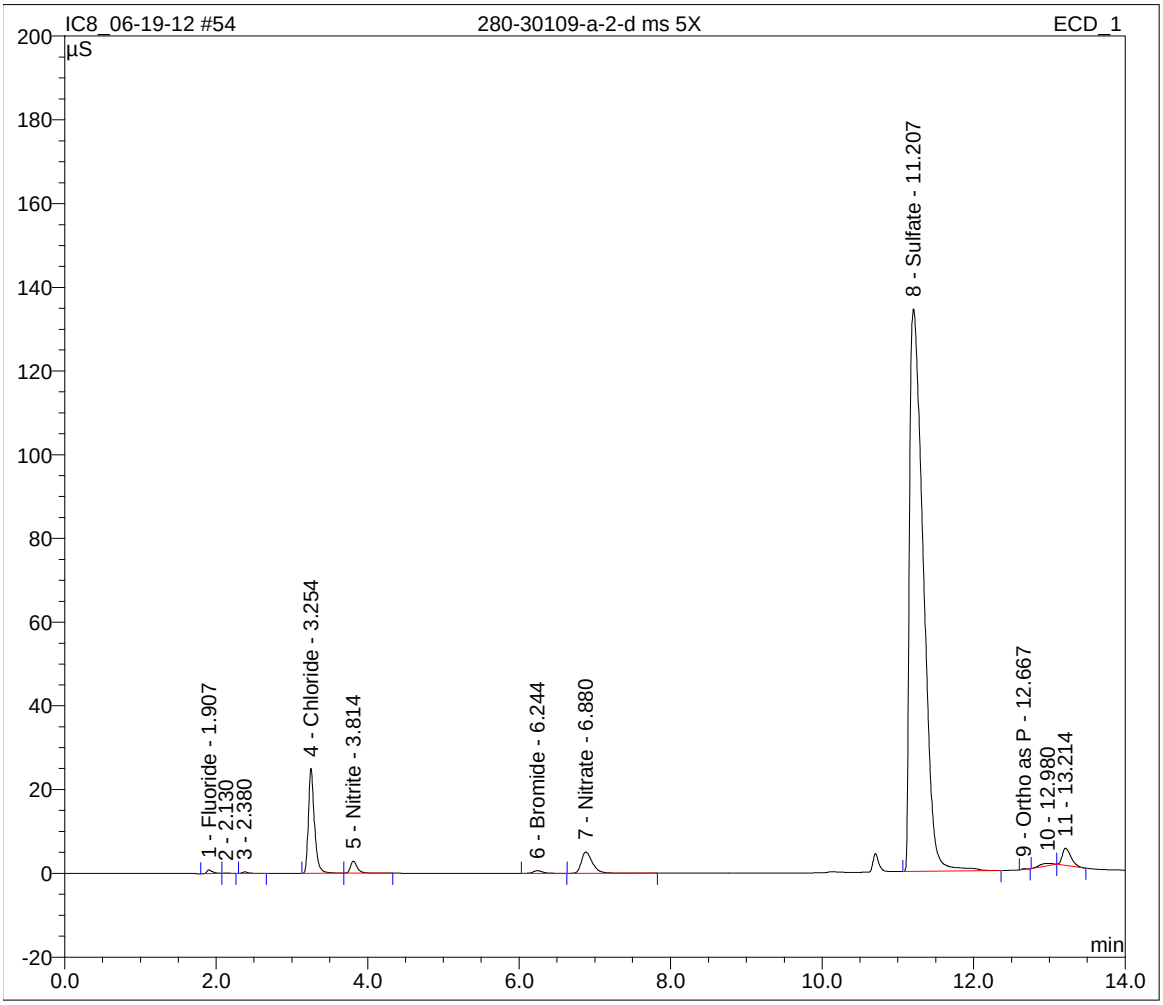
Sample Name:	**280-30109-a-2-c du 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 21:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.004	0.069	-0.0376
5	3.25	Chloride	BMb	2.195	23.713	80.7215
6	3.81	Nitrite	bMB	0.048	0.496	0.8212
7	6.24	Bromide	BMB	0.055	0.397	4.9962
8	6.89	Nitrate	BMB	0.765	4.553	11.2422
9	11.21	Sulfate	BMB	27.081	131.911	1269.4393
10	12.67	Ortho as P	BMB	0.056	0.375	-1.6342
		TOTAL:		30.20	161.51	1365.55



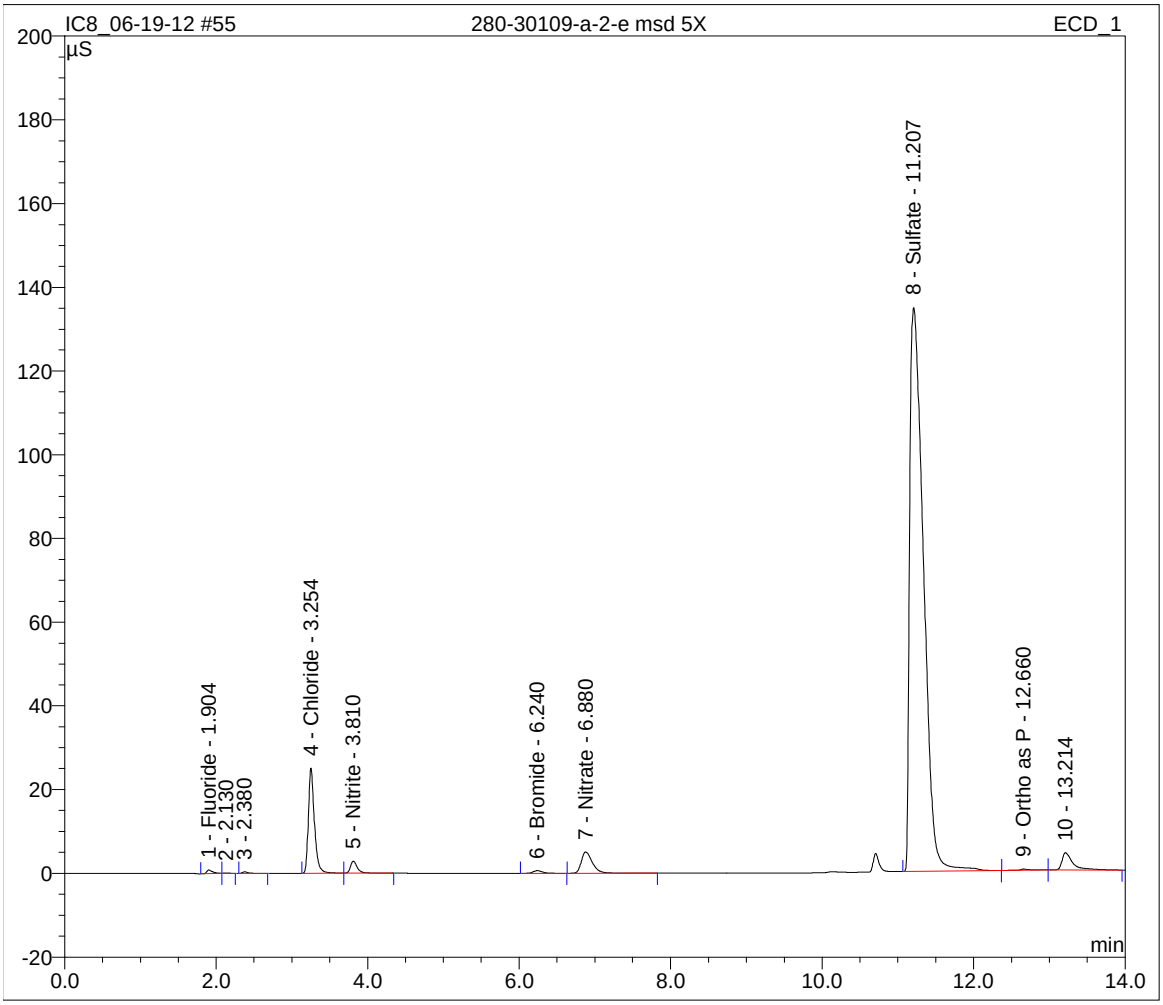
Sample Name:	**280-30109-a-2-d ms 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 22:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.077	0.883	1.5450
4	3.25	Chloride	BMb	2.316	25.053	85.1654
5	3.81	Nitrite	bMB	0.295	2.829	4.1709
6	6.24	Bromide	BMB	0.088	0.634	7.8196
7	6.88	Nitrate	BMB	0.863	5.070	12.6585
8	11.21	Sulfate	BMB	28.224	134.465	1323.0812
9	12.67	Ortho as P	BMB	0.011	0.178	-2.8176
		TOTAL:		31.87	169.11	1431.62



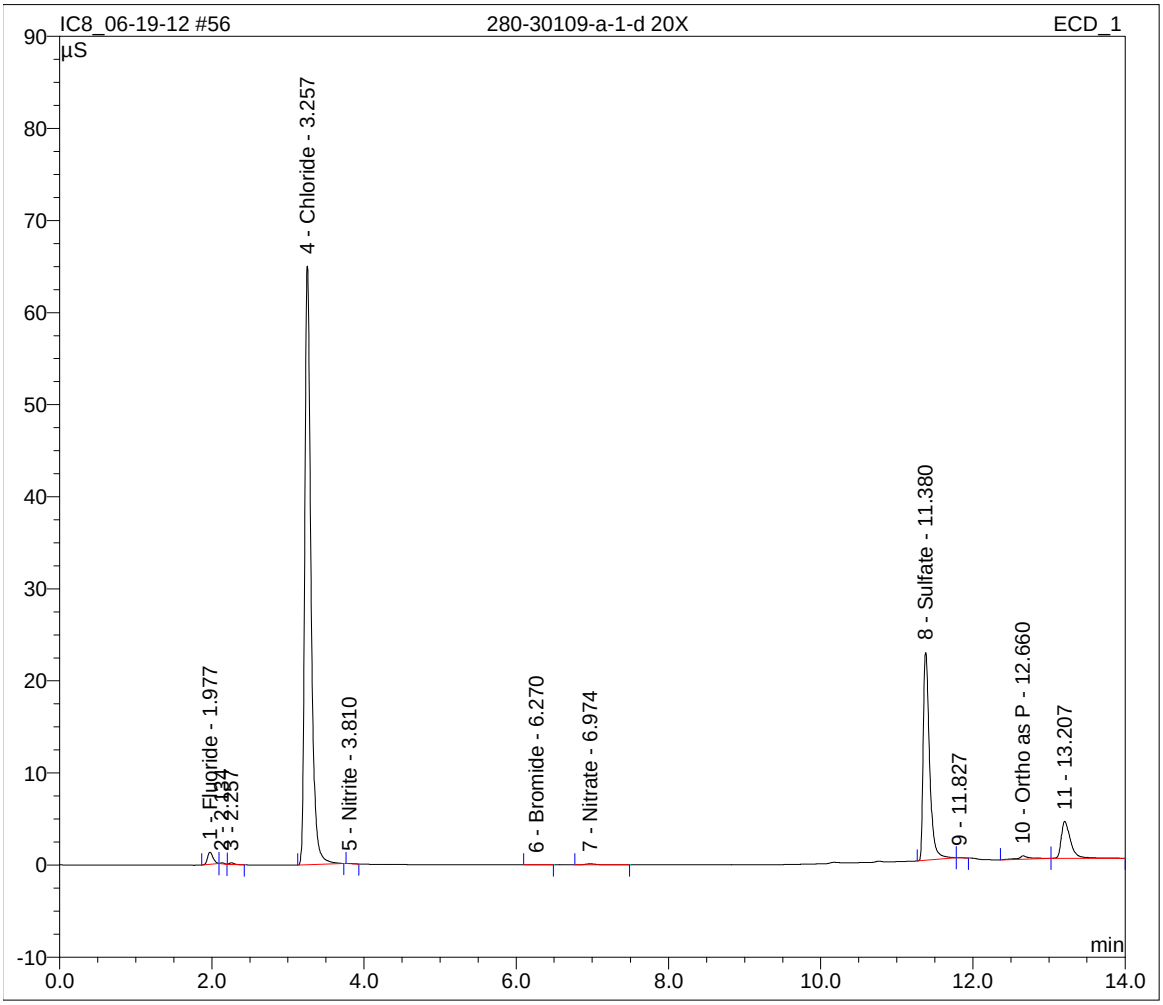
Sample Name:	**280-30109-a-2-e msd 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 22:18**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.90	Fluoride	BMb	0.077	0.887	1.5463
4	3.25	Chloride	BMb	2.322	25.118	85.4004
5	3.81	Nitrite	bMB	0.296	2.837	4.1871
6	6.24	Bromide	BMB	0.088	0.636	7.8276
7	6.88	Nitrate	BMB	0.865	5.084	12.6957
8	11.21	Sulfate	BMB	28.343	134.760	1328.6517
9	12.66	Ortho as P	BMB	0.049	0.309	-1.8204
		TOTAL:		32.04	169.63	1438.49



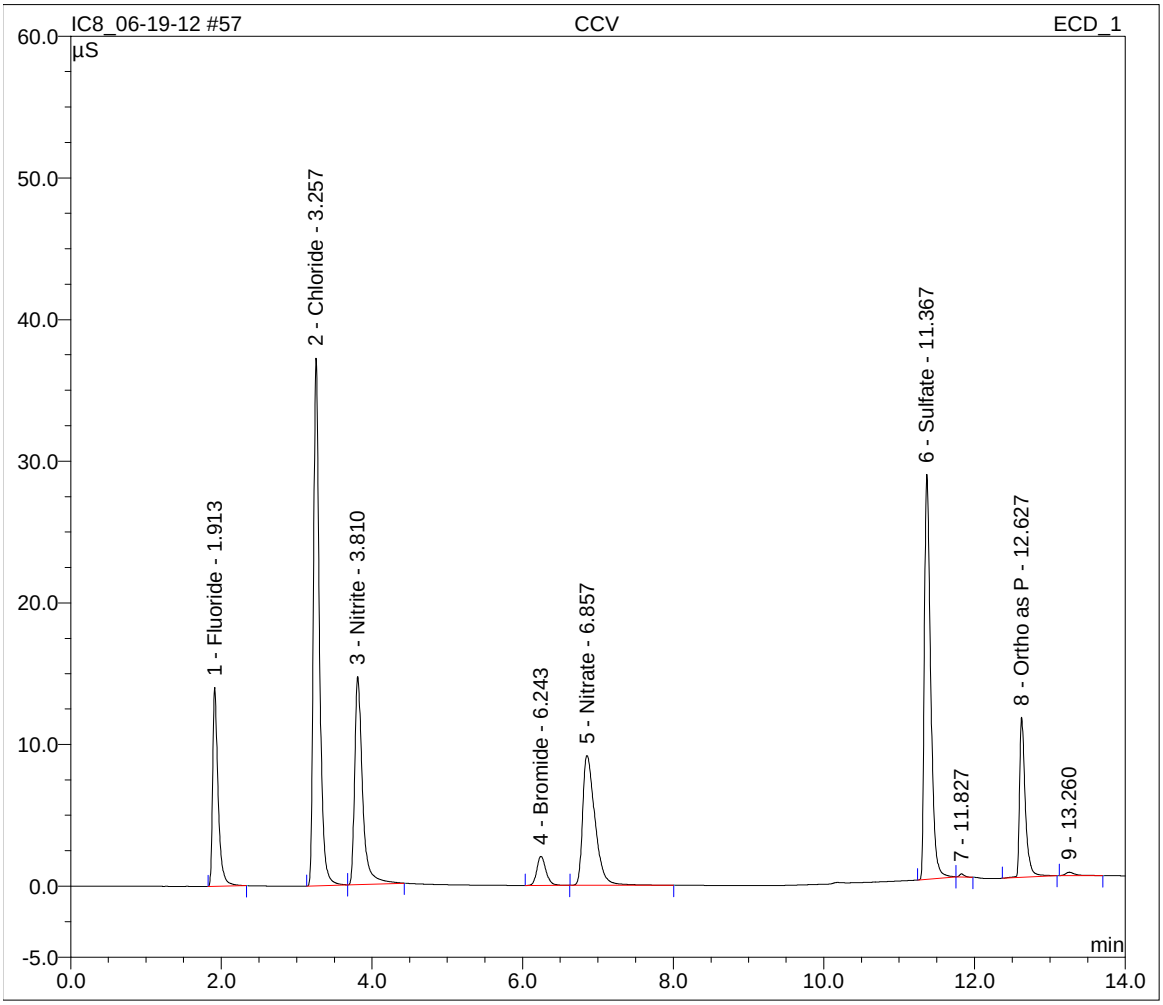
Sample Name:	**280-30109-a-1-d 20X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**20.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 22:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.98	Fluoride	BMb	0.108	1.304	8.8463
4	3.26	Chloride	BMB	6.098	65.035	894.8678
5	3.81	Nitrite	BMB	0.002	0.025	0.7698
6	6.27	Bromide	BMB	0.002	0.012	1.5492
7	6.97	Nitrate	BMB	0.019	0.115	1.7822
8	11.38	Sulfate	BMb	2.156	22.570	398.9330
10	12.66	Ortho as P	BMB	0.059	0.355	-6.2557
		TOTAL:		8.44	89.42	1300.49



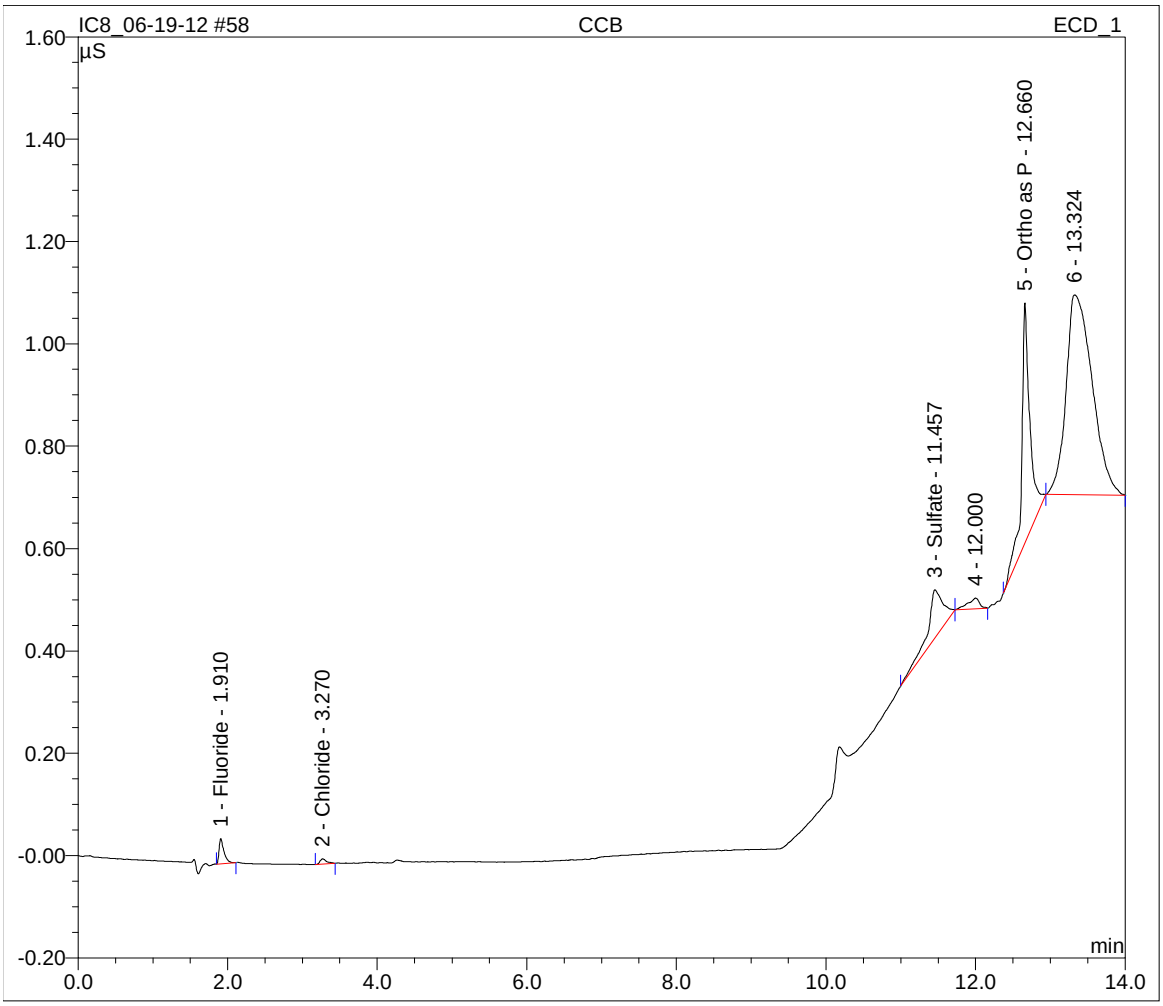
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 22:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	1.176	14.020	5.0260
2	3.26	Chloride	BMB	3.442	37.252	25.2857
3	3.81	Nitrite	bMB	1.771	14.684	4.8494
4	6.24	Bromide	BMB	0.288	2.051	5.0234
5	6.86	Nitrate	BMB	1.734	9.155	5.0529
6	11.37	Sulfate	BMb	2.780	28.581	25.7975
8	12.63	Ortho as P	BMB	0.986	11.292	4.5944
		TOTAL:		12.18	117.03	75.63



Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**19.06.12 23:09**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.004	0.049	-0.0068
2	3.27	Chloride	BMB	0.001	0.010	0.0729
3	11.46	Sulfate	BMB	0.022	0.094	-0.0889
5	12.66	Ortho as P	BMB	0.059	0.469	-0.3096
		TOTAL:		0.09	0.62	-0.33



Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TOC **SOP #** DV-WC-0006

Instrument: SHI 2 **Analyst:** D.B. **Analysis Date:** 07-10-12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30499	Aq.	—	127341	5310B	—
30553	↓	↓	↓	↓	—
30610	↓	↓	↓	↓	—
30184	↓	↓	↓	9060A	Q4
					D.B. 07-12-12

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			✓
2. Correlation coefficient ≥ 0.995 ?	✓			✓
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			✓
4. ICB analyzed immediately after the ICV & results < the RL	✓			✓
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			✓
6. CCB analyzed after every CCV & results < RL?	✓			✓
7. Absolute value of the intercept is < ± ½ the RL?	✓			✓
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?			✓	✓
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			✓
3. All reported results bracketed by in control CCV results?	✓			✓
4. Sample analyses done within holding time?	✓			✓
5. Initial pH check documented for all samples? (If Applicable)	✓			✓
6. Preparation benchsheet completed and included in package?			✓	
7. Client requirements reviewed and met?	✓			✓
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓	D.B. 07-12-12	✓	✓
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
11. Raw data copies prepared, scanned, and uploaded?	✓			✓
12. Manual integrations done properly and initialed and dated?			✓	✓
13. STD/True Value information is updated and included?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. MS/MSD run at required frequency and within limits or NCM written?	✓			✓
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	✓

Analyst: D.B. **Date:** 07-12-12

2nd Level Reviewer : [signature] **Date:** 7/12/2

	Analysis	Sample Name	Dilution	Result	Date / Time	Vial
1	NPOC	ICV	1.000	NPOC:18.54ppm	07/10/2012 08:14:57 PM	1
2	NPOC	ICB	1.000	NPOC:0.08862pp	07/10/2012 08:33:03 PM	2
3	NPOC	lcs 280-127202/1-a	1.000	NPOC:23.20ppm	07/10/2012 08:51:29 PM	3
4	NPOC	lcsd 280-127202/2-a	1.000	NPOC:23.28ppm	07/10/2012 09:09:47 PM	4
5	NPOC	mb 280-127202/3-a	1.000	NPOC:0.1943ppm	07/10/2012 09:25:33 PM	5
6	NPOC	280-30567-c-1-a	1.000	NPOC:0.8773ppm	07/10/2012 09:41:05 PM	6
7	NPOC	280-30567-c-2-a	1.000	NPOC:0.8427ppm	07/10/2012 09:56:43 PM	7
8	NPOC	280-30567-c-3-a	1.000	NPOC:0.4392ppm	07/10/2012 10:11:51 PM	8
9	NPOC	280-30567-c-4-a	1.000	NPOC:2.555ppm	07/10/2012 10:28:00 PM	9
10	NPOC	280-30567-f-5-d	1.000	NPOC:1.691ppm	07/10/2012 10:43:57 PM	10
11	NPOC	280-30567-f-5-e ms	1.000	NPOC:25.25ppm	07/10/2012 11:02:14 PM	11
12	NPOC	280-30567-f-5-f msd	1.000	NPOC:25.13ppm	07/10/2012 11:20:27 PM	12
13	NPOC	280-30567-c-6-a	1.000	NPOC:0.5023ppm	07/10/2012 11:35:38 PM	13
14	NPOC	280-30567-c-7-a	1.000	NPOC:1.014ppm	07/10/2012 11:51:16 PM	14
15	NPOC	280-30567-c-8-a	1.000	NPOC:3.424ppm	07/11/2012 12:07:38 AM	15
16	NPOC	CCV	1.000	NPOC:23.29ppm	07/11/2012 12:25:52 AM	16
17	NPOC	CCB	1.000	NPOC:0.1936ppm	07/11/2012 12:41:34 AM	17
18	NPOC	280-30567-c-9-a	1.000	NPOC:2.607ppm	07/11/2012 12:57:54 AM	18
19	NPOC	280-30567-c-10-a	1.000	NPOC:1.945ppm	07/11/2012 01:14:06 AM	19
20	NPOC	LCS	1.000	NPOC:23.35ppm	07/11/2012 01:32:30 AM	20
21	NPOC	LCSD	1.000	NPOC:23.34ppm	07/11/2012 01:50:55 AM	21
22	NPOC	MB	1.000	NPOC:0.08862pp	07/11/2012 02:09:04 AM	22
23	NPOC	280-30499-b-1	1.000	NPOC:0.5439ppm	07/11/2012 02:24:21 AM	23
24	NPOC	280-30499-b-2	1.000	NPOC:0.3254ppm	07/11/2012 02:39:12 AM	24
25	NPOC	280-30499-b-3	1.000	NPOC:0.8781ppm	07/11/2012 02:54:48 AM	25
26	NPOC	MS 280-30499-b-3	1.000	NPOC:24.46ppm	07/11/2012 03:12:40 AM	26
27	NPOC	MSD 280-30499-b-3	1.000	NPOC:24.44ppm	07/11/2012 03:30:33 AM	27
28	NPOC	CCV	1.000	NPOC:23.43ppm	07/11/2012 03:48:52 AM	28
29	NPOC	CCB	1.000	NPOC:0.08862pp	07/11/2012 04:06:58 AM	29
30	NPOC	280-30499-b-4	1.000	NPOC:0.8158ppm	07/11/2012 04:24:31 AM	30
31	NPOC	280-30499-b-6	1.000	NPOC:0.6491ppm	07/11/2012 04:40:01 AM	31
32	NPOC	280-30499-b-7	1.000	NPOC:0.08862pp	07/11/2012 04:58:13 AM	32
33	NPOC	280-30553-b-1	1.000	NPOC:0.4188ppm	07/11/2012 05:15:13 AM	33
34	NPOC	MS 280-30553-b-1	1.000	NPOC:23.83ppm	07/11/2012 05:33:02 AM	34
35	NPOC	MSD 280-30553-b-1	1.000	NPOC:23.72ppm	07/11/2012 05:50:47 AM	35
36	NPOC	280-30553-b-2	1.000	NPOC:0.08862pp	07/11/2012 06:09:08 AM	36
37	NPOC	280-30553-b-3	1.000	NPOC:0.2784ppm	07/11/2012 06:25:52 AM	37
38	NPOC	280-30553-b-4	1.000	NPOC:0.4508ppm	07/11/2012 06:42:56 AM	38
39	NPOC	280-30553-b-5	1.000	NPOC:0.4282ppm	07/11/2012 07:01:50 AM	39
40	NPOC	CCV	1.000	NPOC:23.26ppm	07/11/2012 07:20:10 AM	40
41	NPOC	CCB	1.000	NPOC:0.08862pp	07/11/2012 07:38:32 AM	41
42	NPOC	280-30553-b-6	1.000	NPOC:0.3085ppm	07/11/2012 07:55:18 AM	42
43	NPOC	280-30610-e-1	1.000	NPOC:5.606ppm	07/11/2012 08:12:00 AM	43
44	NPOC	280-30610-e-2	1.000	NPOC:20.96ppm	07/11/2012 08:29:27 AM	44
45	NPOC	LCS	1.000	NPOC:23.36ppm	07/11/2012 08:47:53 AM	45
46	NPOC	LCSD	1.000	NPOC:23.30ppm	07/11/2012 09:06:23 AM	46
47	NPOC	MB	1.000	NPOC:0.08862pp	07/11/2012 09:24:41 AM	47
48	NPOC	280-30184-d-1	1.000	NPOC:0.5002ppm	07/11/2012 09:41:44 AM	48
49	NPOC	MS 280-30184-d-1	1.000	NPOC:24.02ppm	07/11/2012 09:59:43 AM	49
50	NPOC	MSD 280-30184-d-1	1.000	NPOC:23.98ppm	07/11/2012 10:17:37 AM	50
51	NPOC	280-30184-d-2	1.000	NPOC:0.6745ppm	07/11/2012 10:34:59 AM	51
52	NPOC	CCV	1.000	NPOC:23.36ppm	07/11/2012 10:53:25 AM	52
53	NPOC	CCB	1.000	NPOC:0.08862pp	07/11/2012 11:10:08 AM	53
54	NPOC	280-30184-d-3	1.000	NPOC:0.9132ppm	07/11/2012 11:27:52 AM	54
55	NPOC	280-30184-d-4	1.000	NPOC:0.4346ppm	07/11/2012 11:44:50 AM	55
56	NPOC	280-30184-d-5	1.000	NPOC:0.4801ppm	07/11/2012 12:01:44 PM	56
57	NPOC	280-30184-d-6	1.000	NPOC:0.6304ppm	07/11/2012 12:19:02 PM	57
58	NPOC	280-30184-d-7	1.000	NPOC:0.5898ppm	07/11/2012 12:36:20 PM	58
59	NPOC	280-30184-d-8	1.000	NPOC:0.2242ppm	07/11/2012 12:52:35 PM	59
60	NPOC	CCV	1.000	NPOC:23.40ppm	07/11/2012 01:11:04 PM	60
61	NPOC	CCB	1.000	NPOC:0.08862pp	07/11/2012 01:29:25 PM	61

Instr.Information

System	TOC-VCSH(2)
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TOC .met
Status	Completed
Chk. Result	

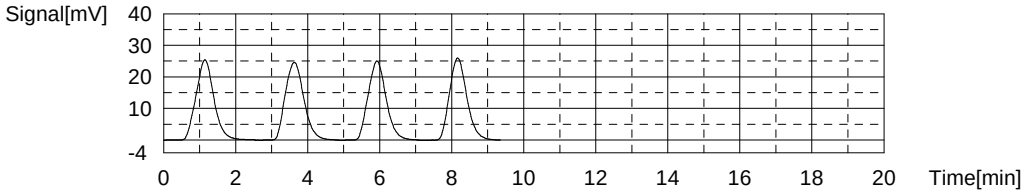
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.54ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	88.59	18.55ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 08:07:32 PM
2	89.03	18.64ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 08:10:01 PM
3	88.11	18.45ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 08:12:29 PM
4	88.42	18.52ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 08:14:57 PM

Mean Area 88.54
Mean Conc. 18.54ppm



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TOC .met
Status	Completed
Chk. Result	

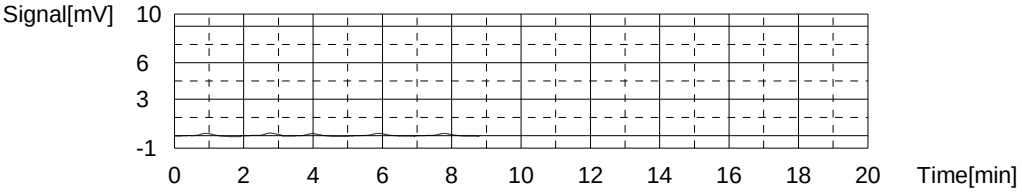
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.08862ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 08:25:21 PM
2	0.2933	0.1497ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 08:26:45 PM
3	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 08:28:51 PM
4	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 08:30:57 PM
5	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 08:33:03 PM

Mean Area 0.000
Mean Conc. 0.08862ppm



Sample

Sample Name: lcs 280-127202/1-a
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

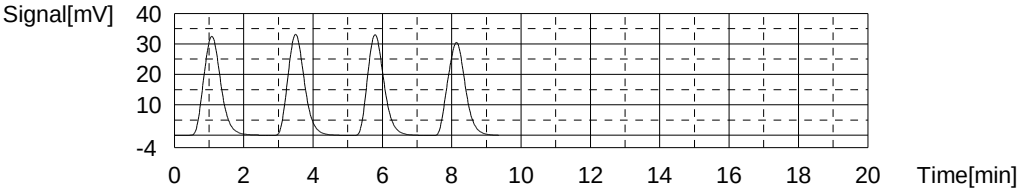
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.20ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.4	23.51ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 08:43:58 PM
2	111.7	23.37ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 08:46:29 PM
3	110.4	23.10ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 08:48:58 PM
4	109.1	22.83ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 08:51:29 PM

Mean Area 110.9
Mean Conc. 23.20ppm



Sample

Sample Name: lcsd 280-127202/2-a
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

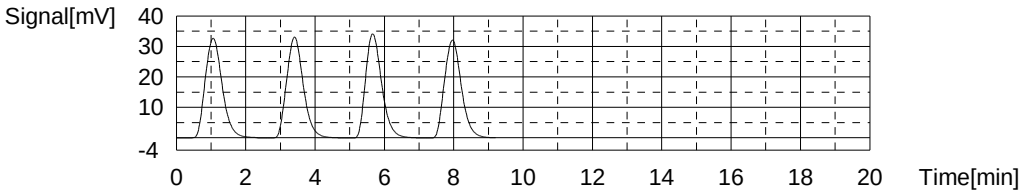
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.28ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.0	23.43ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:02:19 PM
2	111.7	23.37ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:04:50 PM
3	111.3	23.28ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:07:17 PM
4	110.1	23.03ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:09:47 PM

Mean Area 111.3
Mean Conc. 23.28ppm



Sample

Sample Name: mb 280-127202/3-a
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

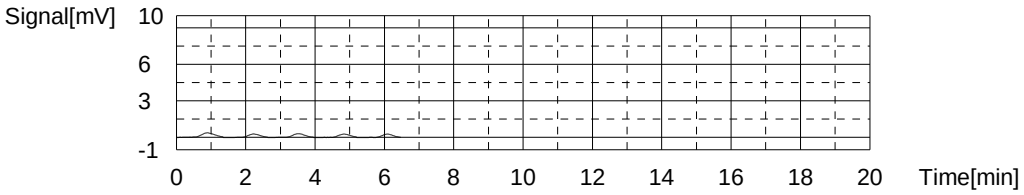
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1943ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7491	0.2447ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:19:38 PM
2	0.4978	0.1924ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:21:07 PM
3	0.5611	0.2056ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:22:38 PM
4	0.4582	0.1841ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:24:05 PM
5	0.5113	0.1952ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:25:33 PM

Mean Area 0.5071
Mean Conc. 0.1943ppm



Sample

Sample Name: 280-30567-c-1-a
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

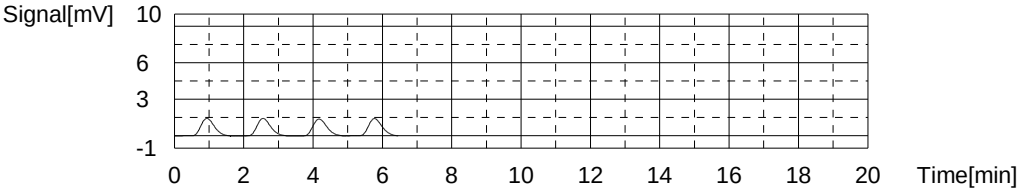
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8773ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.807	0.8820ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:35:39 PM
2	3.737	0.8674ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:37:27 PM
3	3.811	0.8829ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:39:16 PM
4	3.782	0.8768ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:41:05 PM

Mean Area 3.784
Mean Conc. 0.8773ppm



Sample

Sample Name: 280-30567-c-2-a
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

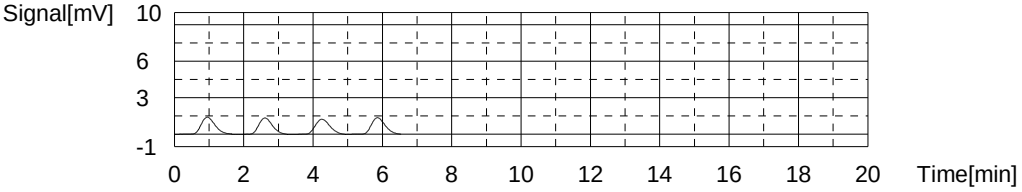
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8427ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.731	0.8662ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:51:14 PM
2	3.601	0.8391ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:53:03 PM
3	3.532	0.8247ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:54:54 PM
4	3.609	0.8408ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 09:56:43 PM

Mean Area 3.618
Mean Conc. 0.8427ppm



Sample

Sample Name: 280-30567-c-3-a
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

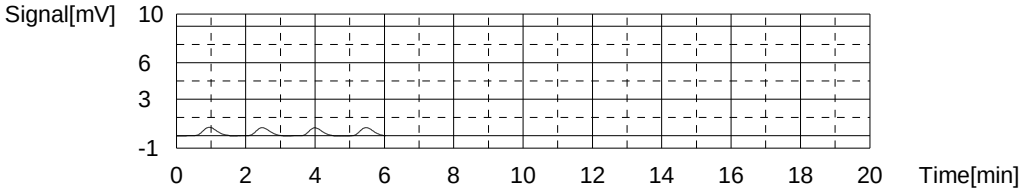
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4392ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.726	0.4483ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 10:06:45 PM
2	1.721	0.4473ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 10:08:29 PM
3	1.622	0.4267ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 10:10:09 PM
4	1.659	0.4344ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 10:11:51 PM

Mean Area 1.682
Mean Conc. 0.4392ppm



Sample

Sample Name: 280-30567-c-4-a
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

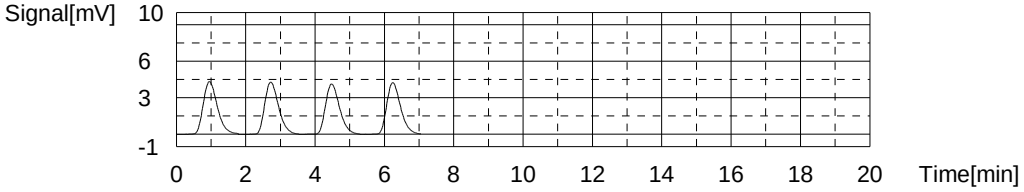
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.555ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.06	2.602ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 10:22:08 PM
2	11.89	2.567ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 10:24:05 PM
3	11.65	2.517ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 10:26:03 PM
4	11.73	2.533ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 10:28:00 PM

Mean Area 11.83
Mean Conc. 2.555ppm



Sample

Sample Name: 280-30567-f-5-d
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

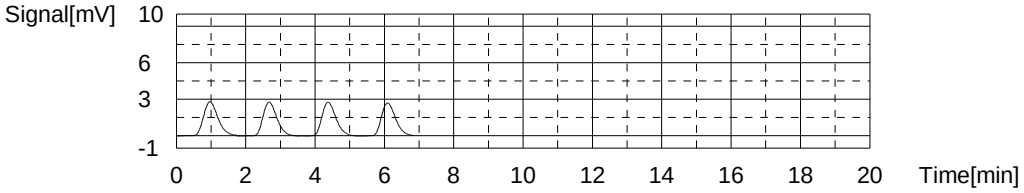
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.691ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.858	1.726ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 10:38:14 PM
2	7.655	1.684ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 10:40:08 PM
3	7.698	1.693ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 10:42:03 PM
4	7.547	1.661ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 10:43:57 PM

Mean Area 7.690
Mean Conc. 1.691ppm



Sample

Sample Name: 280-30567-f-5-e ms
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

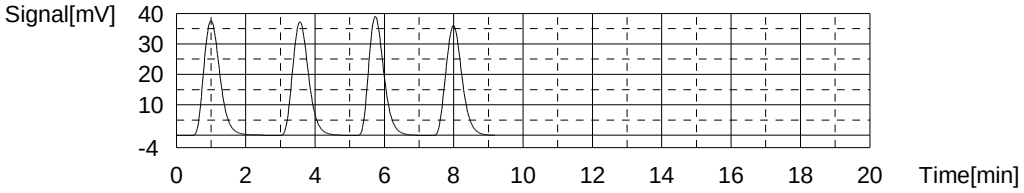
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.25ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	122.8	25.68ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 10:54:59 PM
2	120.7	25.24ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 10:57:25 PM
3	120.4	25.18ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 10:59:48 PM
4	119.1	24.91ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 11:02:14 PM

Mean Area 120.8
Mean Conc. 25.25ppm



Sample

Sample Name: 280-30567-f-5-f msd
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

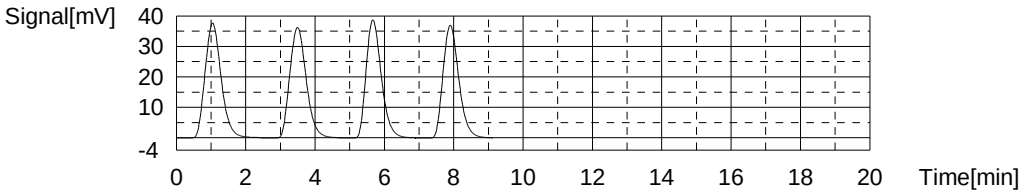
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.13ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	122.5	25.62ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 11:13:11 PM
2	120.5	25.20ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 11:15:37 PM
3	119.6	25.01ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 11:18:01 PM
4	118.1	24.70ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 11:20:27 PM

Mean Area 120.2
Mean Conc. 25.13ppm



Sample

Sample Name: 280-30567-c-6-a
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

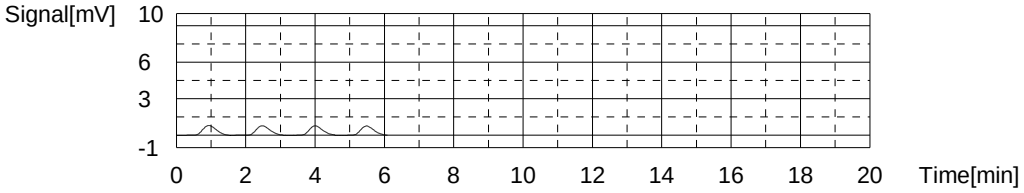
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5023ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.103	0.5269ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 11:30:30 PM
2	2.007	0.5069ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 11:32:14 PM
3	1.888	0.4821ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 11:33:55 PM
4	1.942	0.4933ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 11:35:38 PM

Mean Area 1.985
Mean Conc. 0.5023ppm



Sample

Sample Name: 280-30567-c-7-a
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

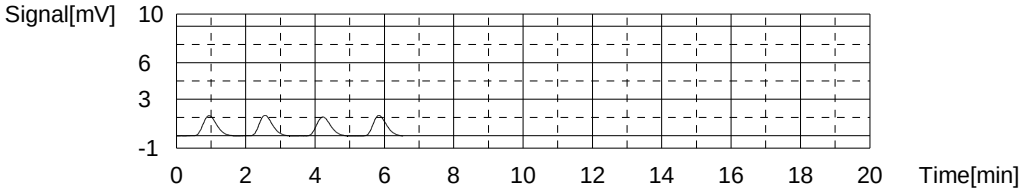
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.014ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.516	1.030ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 11:45:46 PM
2	4.446	1.015ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 11:47:36 PM
3	4.336	0.9923ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 11:49:27 PM
4	4.470	1.020ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/10/2012 11:51:16 PM

Mean Area 4.442
Mean Conc. 1.014ppm



Sample

Sample Name: 280-30567-c-8-a
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

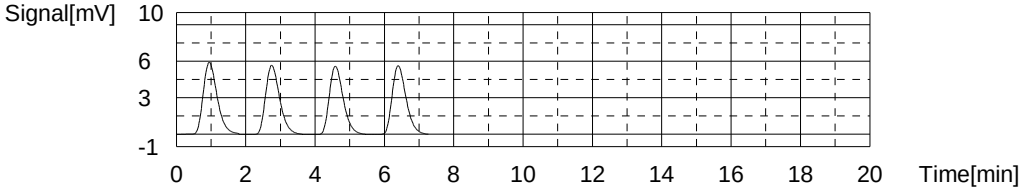
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.424ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.36	3.498ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:01:34 AM
2	16.07	3.438ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:03:36 AM
3	15.75	3.371ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:05:37 AM
4	15.84	3.390ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:07:38 AM

Mean Area 16.00
Mean Conc. 3.424ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

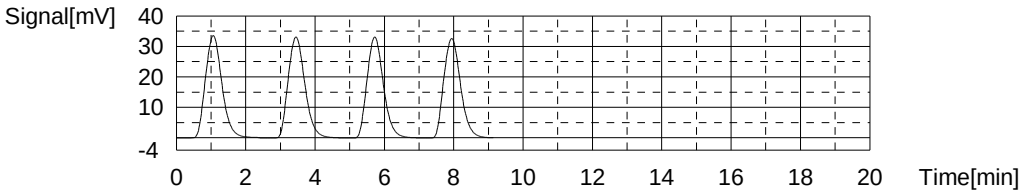
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.29ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.0	23.43ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:18:32 AM
2	112.1	23.45ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:21:00 AM
3	110.0	23.01ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:23:26 AM
4	111.2	23.26ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:25:52 AM

Mean Area 111.3
Mean Conc. 23.29ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

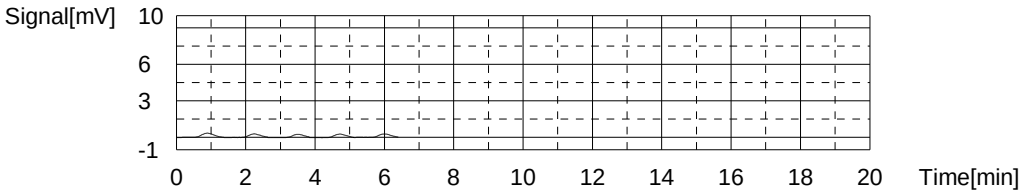
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1936ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6908	0.2326ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:35:44 AM
2	0.5110	0.1951ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:37:12 AM
3	0.4111	0.1743ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:38:36 AM
4	0.5596	0.2052ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:40:05 AM
5	0.5341	0.1999ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:41:34 AM

Mean Area 0.5040
Mean Conc. 0.1936ppm



Sample

Sample Name: 280-30567-c-9-a
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

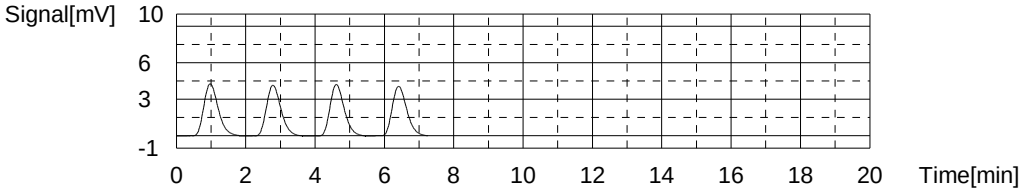
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.607ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.24	2.640ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:51:51 AM
2	12.21	2.633ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:53:53 AM
3	12.02	2.594ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:55:53 AM
4	11.87	2.562ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:57:54 AM

Mean Area 12.09
Mean Conc. 2.607ppm



Sample

Sample Name: 280-30567-c-10-a
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

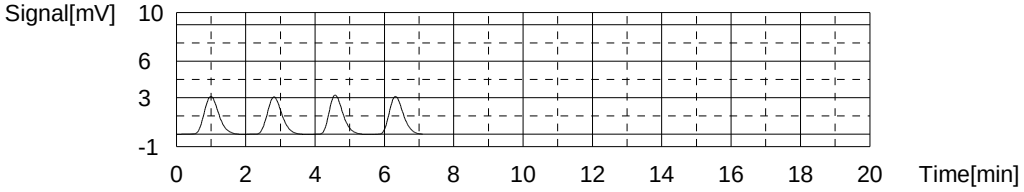
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.945ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.950	1.954ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:08:12 AM
2	9.001	1.964ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:10:14 AM
3	8.873	1.938ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:12:09 AM
4	8.814	1.926ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:14:06 AM

Mean Area 8.910
Mean Conc. 1.945ppm



Sample

Sample Name: LCS
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

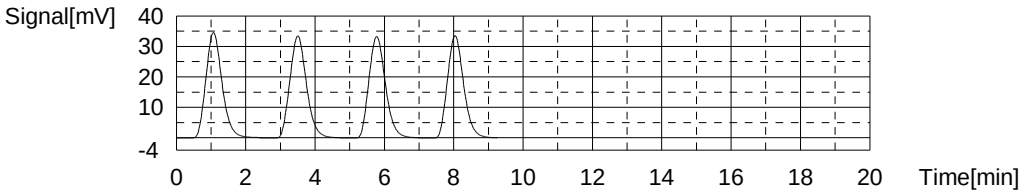
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.35ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.7	23.58ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:25:01 AM
2	112.3	23.49ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:27:31 AM
3	111.3	23.28ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:29:58 AM
4	110.2	23.06ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:32:30 AM

Mean Area 111.6
Mean Conc. 23.35ppm



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

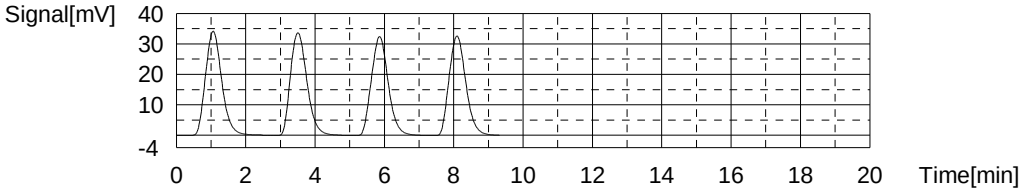
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.34ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.4	23.51ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:43:29 AM
2	112.3	23.49ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:45:58 AM
3	110.7	23.16ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:48:26 AM
4	110.8	23.18ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:50:55 AM

Mean Area 111.6
Mean Conc. 23.34ppm



Sample

Sample Name: MB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

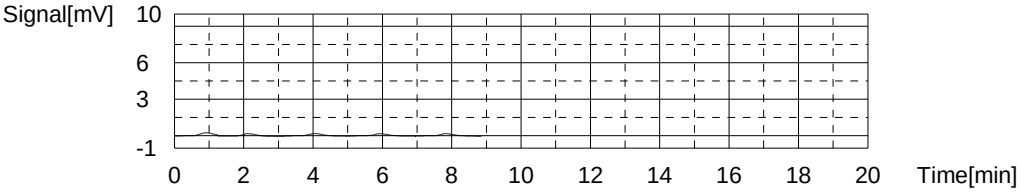
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.08862ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.3871	0.1693ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:00:40 AM
2	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:02:46 AM
3	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:04:52 AM
4	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:06:58 AM
5	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:09:04 AM

Mean Area 0.000
Mean Conc. 0.08862ppm



Sample

Sample Name: 280-30499-b-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

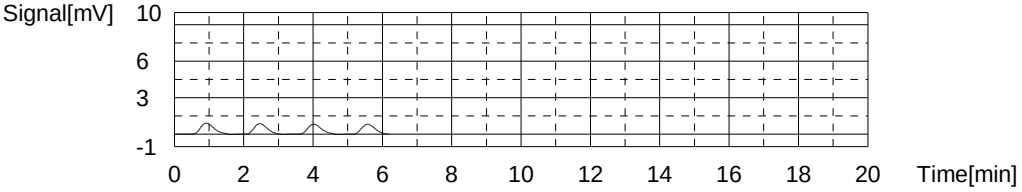
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5439ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.250	0.5575ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:19:05 AM
2	2.253	0.5582ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:20:50 AM
3	2.068	0.5196ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:22:34 AM
4	2.167	0.5402ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:24:21 AM

Mean Area 2.184
Mean Conc. 0.5439ppm



Sample

Sample Name: 280-30499-b-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

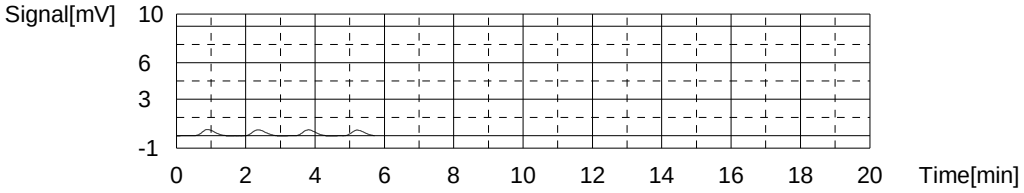
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3254ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.195	0.3377ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:34:18 AM
2	1.184	0.3354ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:35:58 AM
3	1.084	0.3145ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:37:34 AM
4	1.081	0.3139ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:39:12 AM

Mean Area 1.136
Mean Conc. 0.3254ppm



Sample

Sample Name: 280-30499-b-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

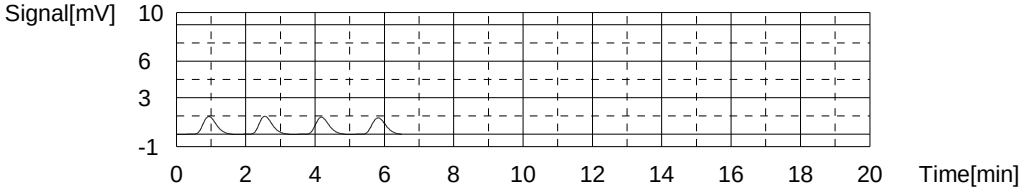
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8781ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.840	0.8889ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:49:20 AM
2	3.847	0.8904ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:51:09 AM
3	3.713	0.8624ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:52:58 AM
4	3.752	0.8706ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 02:54:48 AM

Mean Area 3.788
Mean Conc. 0.8781ppm



Sample

Sample Name: MS 280-30499-b-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

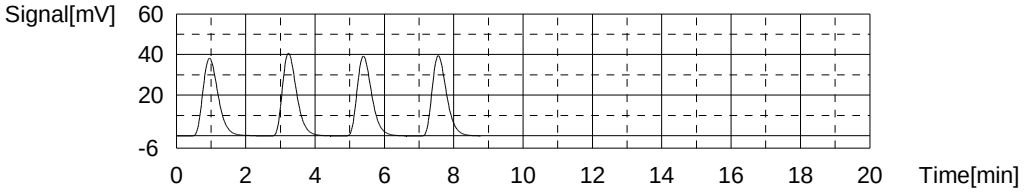
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.46ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	117.5	24.58ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 03:05:36 AM
2	117.8	24.64ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 03:07:57 AM
3	116.3	24.33ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 03:10:19 AM
4	116.1	24.28ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 03:12:40 AM

Mean Area 116.9
Mean Conc. 24.46ppm



Sample

Sample Name: MSD 280-30499-b-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

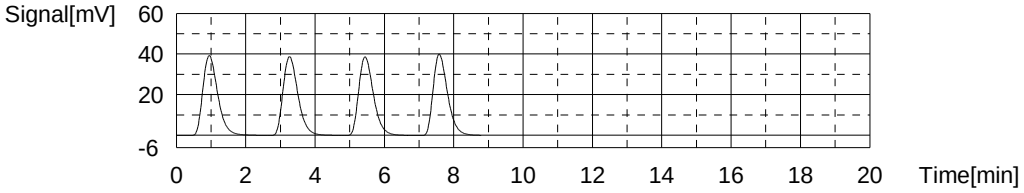
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.44ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	117.9	24.66ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 03:23:28 AM
2	117.1	24.49ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 03:25:51 AM
3	115.7	24.20ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 03:28:13 AM
4	116.6	24.39ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 03:30:33 AM

Mean Area 116.8
Mean Conc. 24.44ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

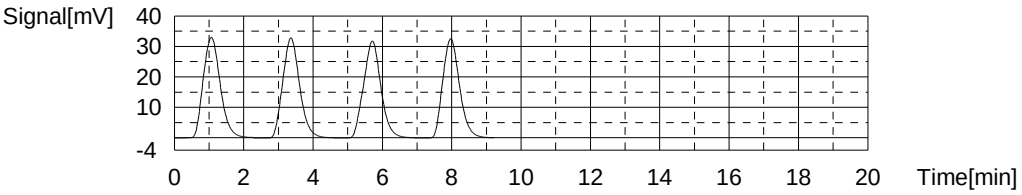
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.43ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.6	23.76ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 03:41:19 AM
2	112.2	23.47ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 03:43:49 AM
3	111.4	23.31ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 03:46:22 AM
4	110.7	23.16ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 03:48:52 AM

Mean Area 112.0
Mean Conc. 23.43ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

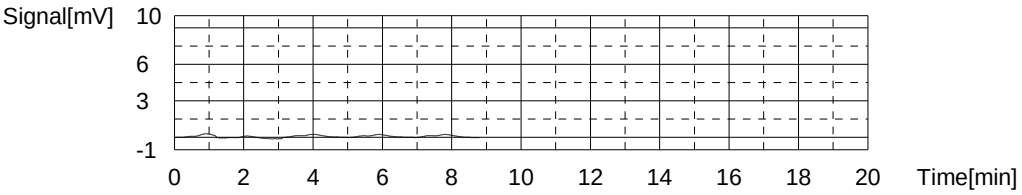
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.08862ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.3102	0.1533ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 03:58:34 AM
2	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:00:40 AM
3	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:02:46 AM
4	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:04:52 AM
5	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:06:58 AM

Mean Area 0.000
Mean Conc. 0.08862ppm



Sample

Sample Name: 280-30499-b-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

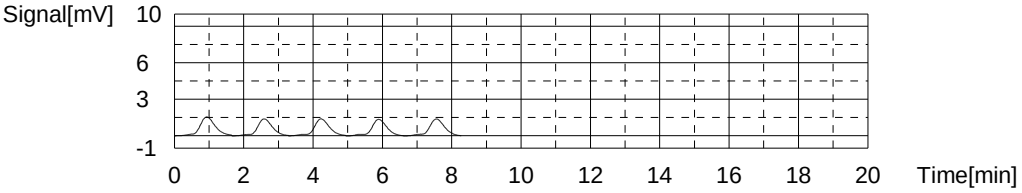
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8158ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.921	0.9058ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:17:06 AM
2	3.529	0.8241ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:18:56 AM
3	3.493	0.8166ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:20:47 AM
4	3.423	0.8020ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:22:39 AM
5	3.511	0.8203ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:24:31 AM

Mean Area 3.489
Mean Conc. 0.8158ppm



Sample

Sample Name: 280-30499-b-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

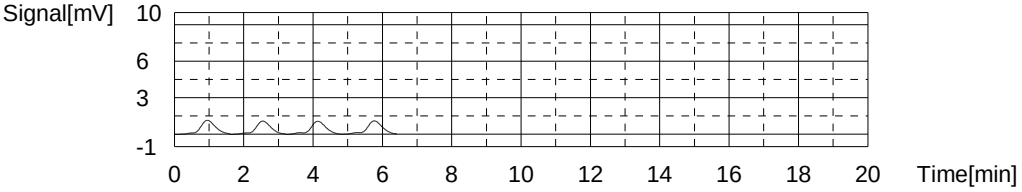
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6491ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.815	0.6753ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:34:36 AM
2	2.661	0.6432ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:36:24 AM
3	2.626	0.6359ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:38:13 AM
4	2.656	0.6422ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:40:01 AM

Mean Area 2.690
Mean Conc. 0.6491ppm



Sample

Sample Name: 280-30499-b-7
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

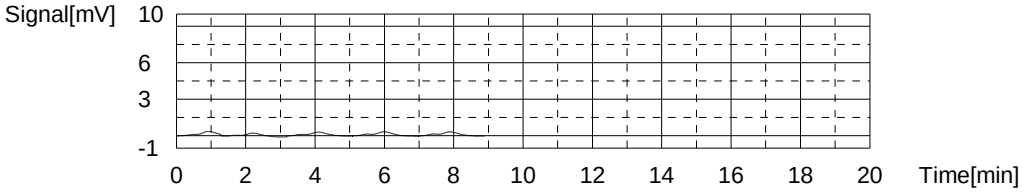
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.08862ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4626	0.1850ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:49:49 AM
2	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:51:55 AM
3	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:54:01 AM
4	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:56:07 AM
5	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 04:58:13 AM

Mean Area 0.000
Mean Conc. 0.08862ppm



Sample

Sample Name: 280-30553-b-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

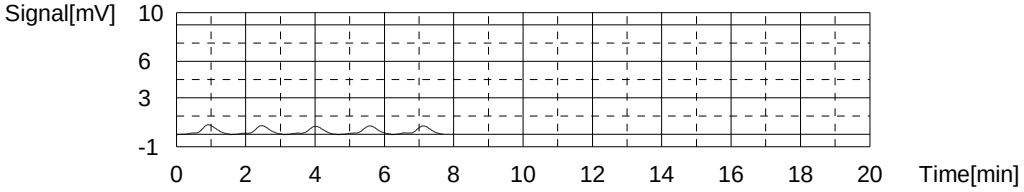
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4188ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.816	0.4671ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 05:08:15 AM
2	1.633	0.4290ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 05:09:59 AM
3	1.585	0.4189ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 05:11:45 AM
4	1.570	0.4158ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 05:13:30 AM
5	1.550	0.4117ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 05:15:13 AM

Mean Area 1.585
Mean Conc. 0.4188ppm



Sample

Sample Name: MS 280-30553-b-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

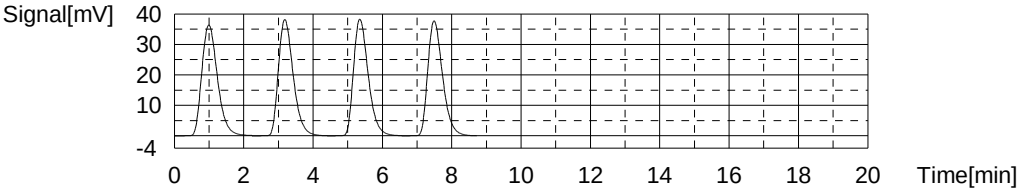
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.83ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	114.9	24.03ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 05:25:57 AM
2	114.3	23.91ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 05:28:19 AM
3	113.6	23.76ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 05:30:40 AM
4	112.9	23.62ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 05:33:02 AM

Mean Area 113.9
Mean Conc. 23.83ppm



Sample

Sample Name: MSD 280-30553-b-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

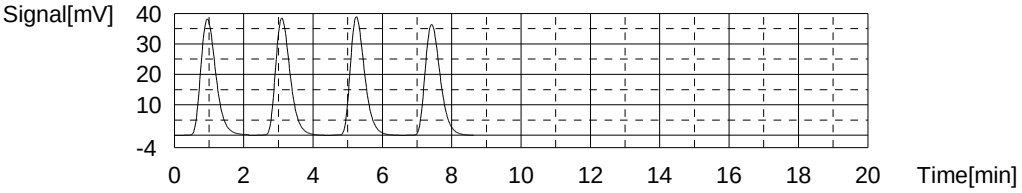
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.72ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	115.9	24.24ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 05:43:42 AM
2	113.2	23.68ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 05:46:04 AM
3	112.7	23.58ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 05:48:25 AM
4	111.8	23.39ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 05:50:47 AM

Mean Area 113.4
Mean Conc. 23.72ppm



Sample

Sample Name: 280-30553-b-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

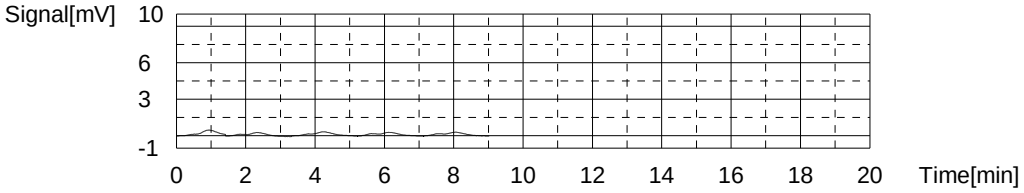
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.08862ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7799	0.2512ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:00:44 AM
2	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:02:50 AM
3	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:04:56 AM
4	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:07:02 AM
5	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:09:08 AM

Mean Area 0.000
Mean Conc. 0.08862ppm



Sample

Sample Name: 280-30553-b-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

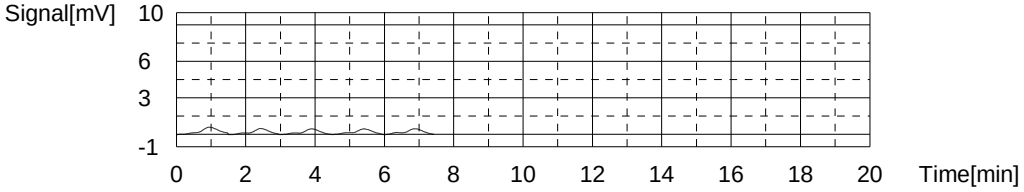
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2784ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.082	0.3141ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:19:07 AM
2	0.9439	0.2853ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:20:47 AM
3	0.9173	0.2798ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:22:30 AM
4	0.8358	0.2628ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:24:10 AM
5	0.9464	0.2859ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:25:52 AM

Mean Area 0.9109
Mean Conc. 0.2784ppm



Sample

Sample Name: 280-30553-b-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

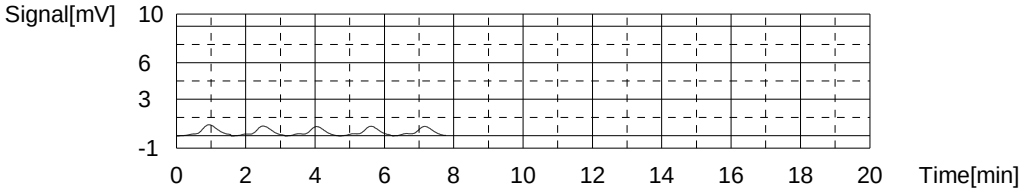
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4508ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.055	0.5169ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:35:56 AM
2	1.863	0.4769ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:37:41 AM
3	1.677	0.4381ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:39:26 AM
4	1.744	0.4521ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:41:11 AM
5	1.667	0.4360ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:42:56 AM

Mean Area 1.738
Mean Conc. 0.4508ppm



Sample

Sample Name: 280-30553-b-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

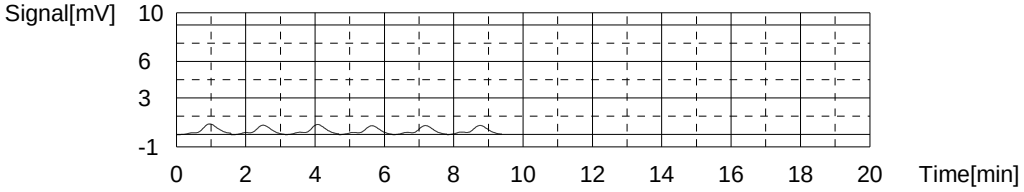
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4282ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.907	0.4861ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:53:00 AM
2	1.772	0.4579ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:54:46 AM
3	1.754	0.4542ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:56:31 AM
4	1.576	0.4171ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 06:58:16 AM
5	1.566	0.4150ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 07:00:02 AM
6	1.622	0.4267ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 07:01:50 AM

Mean Area 1.629
Mean Conc. 0.4282ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

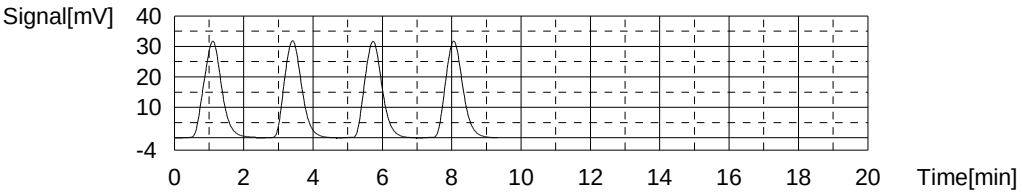
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.26ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.7	23.58ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 07:12:36 AM
2	110.9	23.20ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 07:15:07 AM
3	110.7	23.16ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 07:17:38 AM
4	110.4	23.10ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 07:20:10 AM

Mean Area 111.2
Mean Conc. 23.26ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

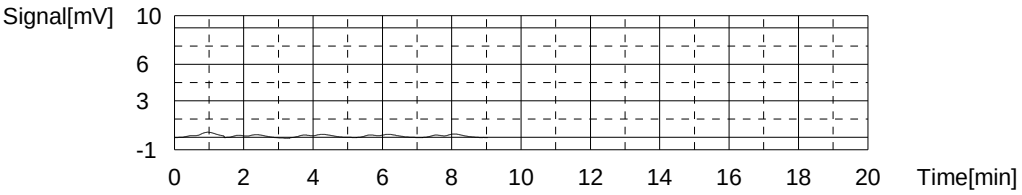
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.08862ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6095	0.2156ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 07:30:08 AM
2	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 07:32:14 AM
3	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 07:34:20 AM
4	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 07:36:26 AM
5	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 07:38:32 AM

Mean Area 0.000
Mean Conc. 0.08862ppm



Sample

Sample Name: 280-30553-b-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

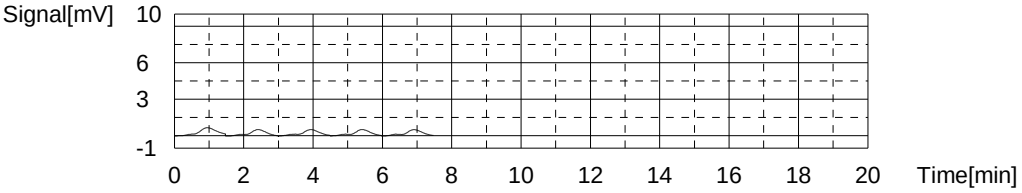
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3085ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.316	0.3629ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 07:48:30 AM
2	1.100	0.3179ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 07:50:13 AM
3	1.026	0.3024ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 07:51:55 AM
4	1.056	0.3087ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 07:53:36 AM
5	1.039	0.3052ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 07:55:18 AM

Mean Area 1.055
Mean Conc. 0.3085ppm



Sample

Sample Name: 280-30610-e-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

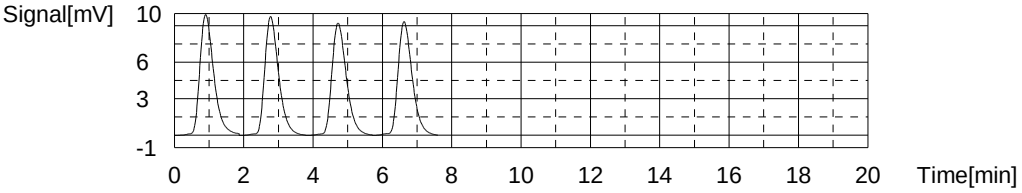
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.606ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	26.91	5.697ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 08:05:40 AM
2	26.78	5.670ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 08:07:47 AM
3	26.24	5.557ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 08:09:54 AM
4	25.97	5.501ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 08:12:00 AM

Mean Area 26.48
Mean Conc. 5.606ppm



Sample

Sample Name: 280-30610-e-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

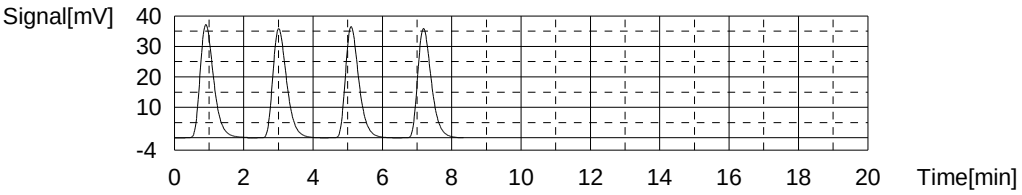
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.96ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	101.7	21.28ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 08:22:37 AM
2	100.6	21.05ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 08:24:55 AM
3	99.25	20.77ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 08:27:12 AM
4	99.05	20.73ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 08:29:27 AM

Mean Area 100.2
Mean Conc. 20.96ppm



Sample

Sample Name: LCS
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

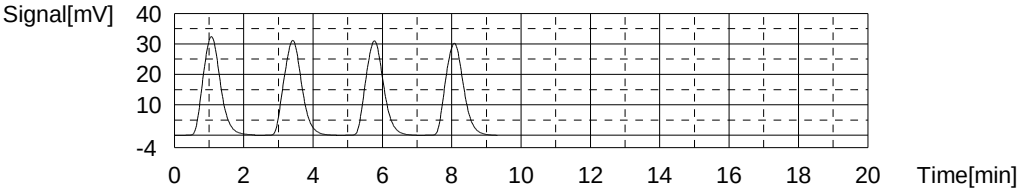
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.36ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.1	23.66ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 08:40:17 AM
2	112.3	23.49ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 08:42:51 AM
3	111.5	23.33ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 08:45:21 AM
4	109.8	22.97ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 08:47:53 AM

Mean Area 111.7
Mean Conc. 23.36ppm



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

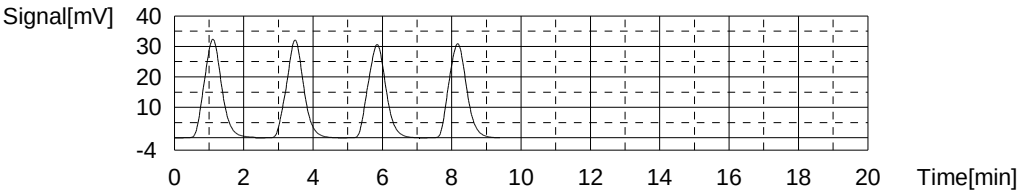
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.30ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.1	23.66ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 08:58:44 AM
2	111.4	23.31ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:01:19 AM
3	110.5	23.12ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:03:52 AM
4	110.5	23.12ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:06:23 AM

Mean Area 111.4
Mean Conc. 23.30ppm



Sample

Sample Name: MB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

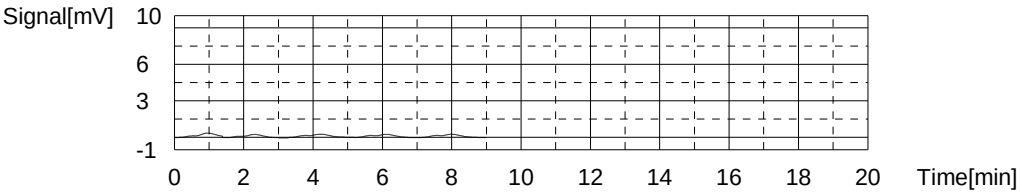
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.08862ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4982	0.1924ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:16:17 AM
2	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:18:23 AM
3	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:20:29 AM
4	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:22:35 AM
5	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:24:41 AM

Mean Area 0.000
Mean Conc. 0.08862ppm



Sample

Sample Name: 280-30184-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

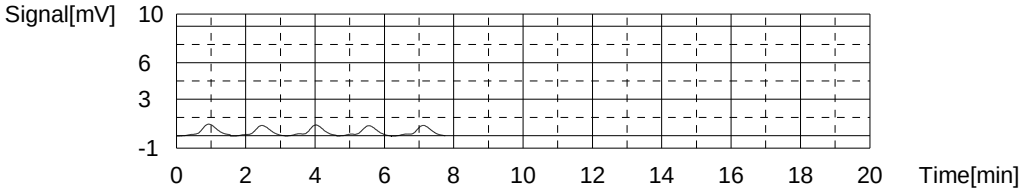
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5002ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.159	0.5386ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:34:44 AM
2	2.078	0.5217ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:36:30 AM
3	1.923	0.4894ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:38:12 AM
4	1.929	0.4906ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:39:59 AM
5	1.970	0.4992ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:41:44 AM

Mean Area 1.975
Mean Conc. 0.5002ppm



Sample

Sample Name: MS 280-30184-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

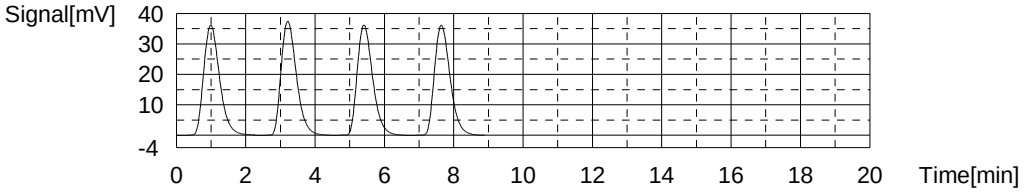
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.02ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	115.7	24.20ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:52:29 AM
2	116.2	24.31ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:54:52 AM
3	113.1	23.66ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:57:18 AM
4	114.3	23.91ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 09:59:43 AM

Mean Area 114.8
Mean Conc. 24.02ppm



Sample

Sample Name: MSD 280-30184-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

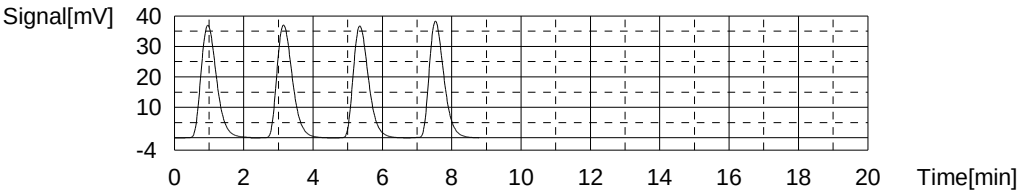
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.98ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	115.7	24.20ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 10:10:26 AM
2	115.8	24.22ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 10:12:50 AM
3	113.2	23.68ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 10:15:14 AM
4	113.8	23.81ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 10:17:37 AM

Mean Area 114.6
Mean Conc. 23.98ppm



Sample

Sample Name: 280-30184-d-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

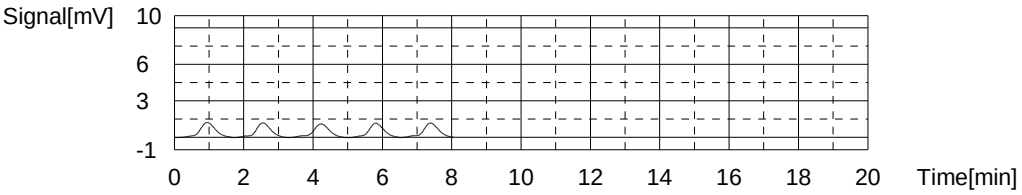
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6745ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.052	0.7247ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 10:27:46 AM
2	2.892	0.6913ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 10:29:36 AM
3	2.718	0.6551ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 10:31:25 AM
4	2.819	0.6761ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 10:33:12 AM
5	2.815	0.6753ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 10:34:59 AM

Mean Area 2.811
Mean Conc. 0.6745ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

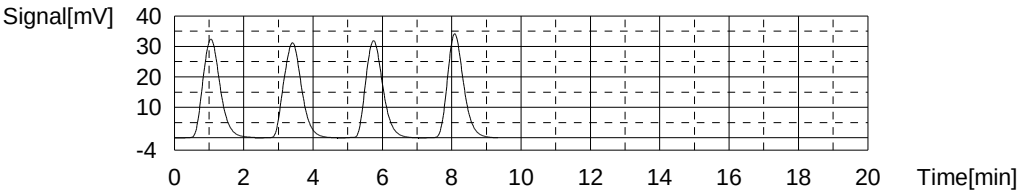
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.36ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.9	23.41ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 10:45:48 AM
2	112.7	23.58ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 10:48:23 AM
3	110.5	23.12ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 10:50:55 AM
4	111.6	23.35ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 10:53:25 AM

Mean Area 111.7
Mean Conc. 23.36ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

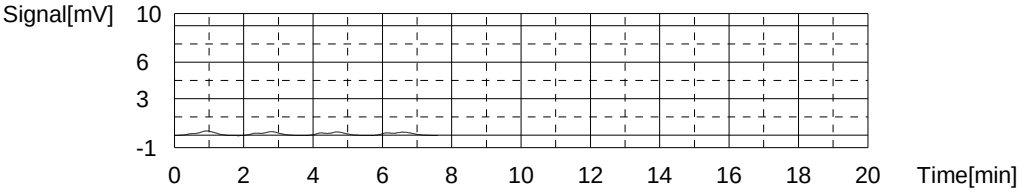
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.08862ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:03:50 AM
2	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:05:56 AM
3	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:08:02 AM
4	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:10:08 AM

Mean Area 0.000
Mean Conc. 0.08862ppm



Sample

Sample Name: 280-30184-d-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

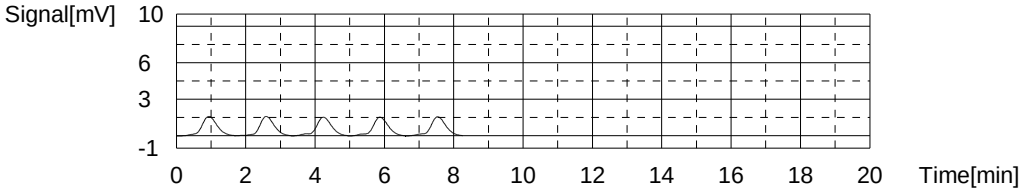
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9132ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.106	0.9443ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:20:19 AM
2	4.065	0.9358ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:22:19 AM
3	3.882	0.8977ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:24:09 AM
4	3.942	0.9102ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:26:01 AM
5	3.938	0.9093ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:27:52 AM

Mean Area 3.957
Mean Conc. 0.9132ppm



Sample

Sample Name: 280-30184-d-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

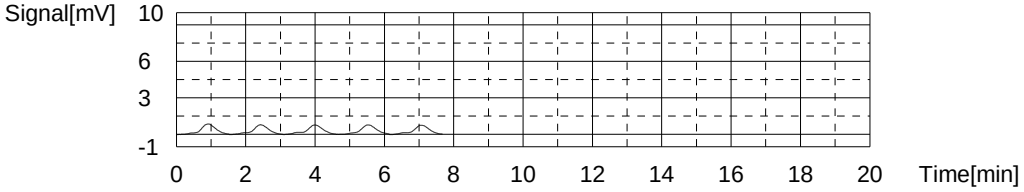
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4346ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.891	0.4827ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:37:53 AM
2	1.672	0.4371ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:39:38 AM
3	1.672	0.4371ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:41:23 AM
4	1.681	0.4390ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:43:06 AM
5	1.616	0.4254ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:44:50 AM

Mean Area 1.660
Mean Conc. 0.4346ppm



Sample

Sample Name: 280-30184-d-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

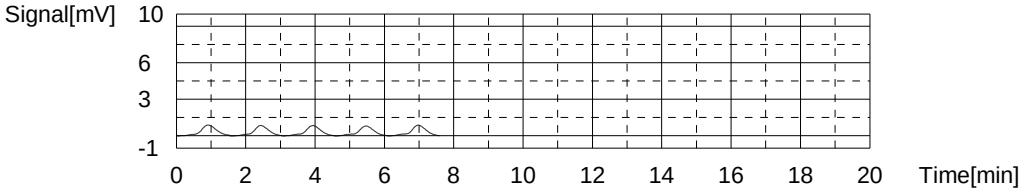
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4801ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.068	0.5196ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:54:53 AM
2	1.926	0.4900ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:56:35 AM
3	1.906	0.4858ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 11:58:18 AM
4	1.795	0.4627ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:00:02 PM
5	1.887	0.4819ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:01:44 PM

Mean Area 1.879
Mean Conc. 0.4801ppm



Sample

Sample Name: 280-30184-d-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

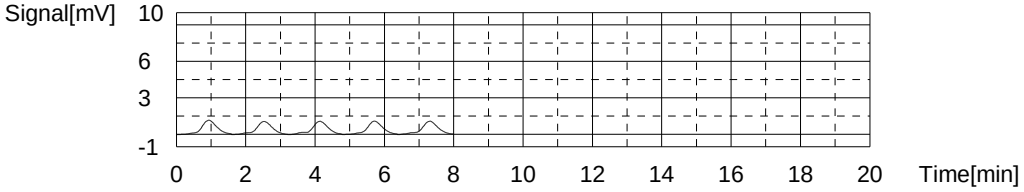
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6304ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.863	0.6853ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:11:50 PM
2	2.619	0.6344ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:13:39 PM
3	2.554	0.6209ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:15:26 PM
4	2.629	0.6365ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:17:13 PM
5	2.596	0.6296ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:19:02 PM

Mean Area 2.599
Mean Conc. 0.6304ppm



Sample

Sample Name: 280-30184-d-7
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

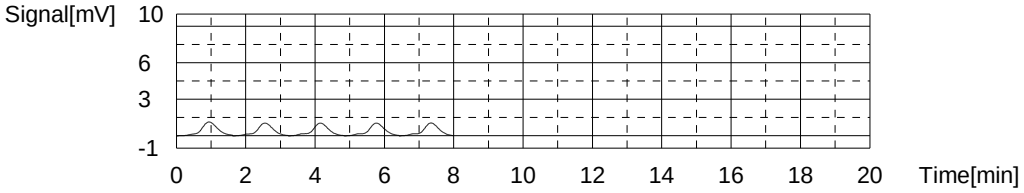
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5898ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.728	0.6572ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:29:10 PM
2	2.445	0.5982ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:30:58 PM
3	2.373	0.5832ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:32:47 PM
4	2.363	0.5811ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:34:34 PM
5	2.439	0.5969ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:36:20 PM

Mean Area 2.405
Mean Conc. 0.5898ppm



Sample

Sample Name: 280-30184-d-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

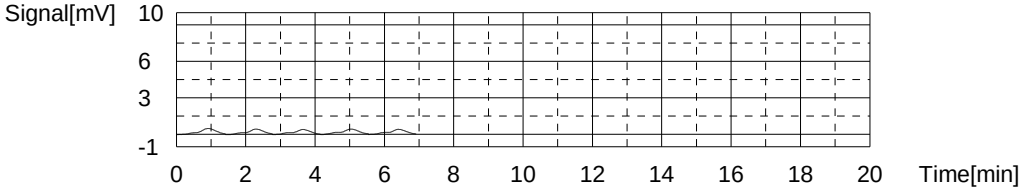
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2242ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8647	0.2688ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:46:17 PM
2	0.6841	0.2312ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:47:50 PM
3	0.6314	0.2202ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:49:25 PM
4	0.6341	0.2208ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:51:00 PM
5	0.6525	0.2246ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 12:52:35 PM

Mean Area 0.6505
Mean Conc. 0.2242ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

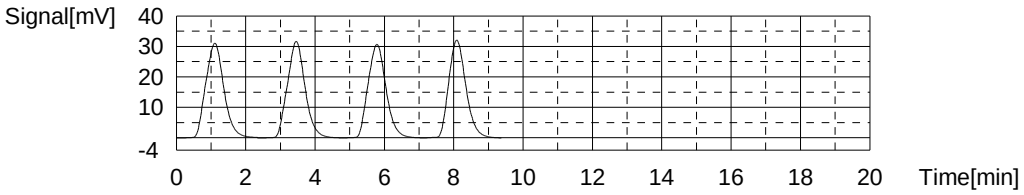
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.40ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.9	23.62ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:03:26 PM
2	112.4	23.51ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:05:59 PM
3	111.0	23.22ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:08:31 PM
4	111.1	23.24ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:11:04 PM

Mean Area 111.9
Mean Conc. 23.40ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

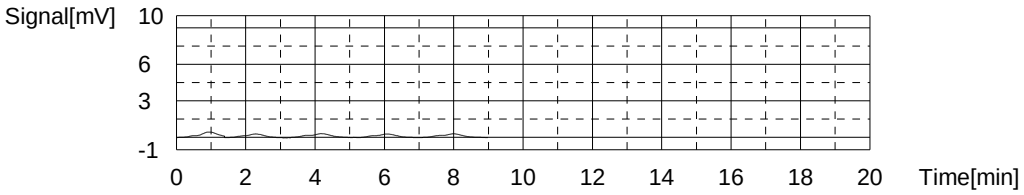
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.08862ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7014	0.2348ppm	50uL	1	E	1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:21:01 PM
2	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:23:07 PM
3	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:25:13 PM
4	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:27:19 PM
5	0.000	0.08862ppm	50uL	1		1-50 PPM TOC.2012_07_06_11_21_18.cal	07/11/2012 01:29:25 PM

Mean Area 0.000
Mean Conc. 0.08862ppm



TOC-V Cal Curve Information
1-50 PPM TOC.2012_07_06_11_21_18.cal

Date of Creation	11:15:53 AM 10/28/2005
User	DEANN
System	TOC-VCSH

Cal. Curve

Sample Name:	cal
Sample ID:	CAL
Cal. Curve:	1-50 PPM TOC.2012_07_06_11_21_18.cal
Status	Completed
Comment:	

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.6997	50uL	1	*******	E	07/06/2012 11:29:10 A
2	0.4590	50uL	1	*******		07/06/2012 11:30:40 A
3	0.4162	50uL	1	*******		07/06/2012 11:32:07 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	0.4376
SD Area	0.03026
CV Area	6.92%
Vial	88

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	5.175	50uL	1	*******		07/06/2012 11:42:26 A
2	5.285	50uL	1	*******		07/06/2012 11:44:26 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	5.230
SD Area	0.07778
CV Area	1.49%
Vial	89

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	23.88	50uL	1	*******		07/06/2012 11:55:08 A
2	23.60	50uL	1	*******		07/06/2012 11:57:23 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	23.74
SD Area	0.1980
CV Area	0.83%
Vial	90

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	46.26	50uL	1	*******		07/06/2012 12:08:13 P
2	46.31	50uL	1	*******		07/06/2012 12:10:36 P

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 46.29
SD Area 0.03536
CV Area 0.08%
Vial 91

Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	117.6	50uL	1	*******		07/06/2012 12:21:56 P
2	118.1	50uL	1	*******		07/06/2012 12:24:32 P

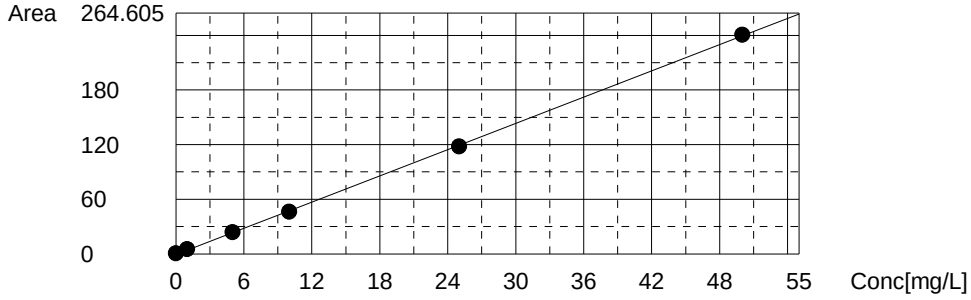
Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 117.9
SD Area 0.3536
CV Area 0.30%
Vial 92

Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	242.0	50uL	1	*******		07/06/2012 12:36:03 P
2	239.1	50uL	1	*******		07/06/2012 12:38:46 P

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 240.6
SD Area 2.051
CV Area 0.85%
Vial 93

Slope: 4.798
Intercept -0.4252
r^2 0.9998
r 0.9999
Zero Shift No



Wet Chemistry Data Review Checklist
Direct Measurement Methods (pH, Conductance, etc.)

Test Name/Method #: Alkalinity **Analysis Date** 6/22/12 D.b. 06-26-12

SOP #: DV-WC-0025 **Analyst:** B. Ibert **Instrument:** AT3

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30087, 30164, 30184, 30187, 30188, 30208, 30224, 30226, 30228, 30241, 30301	Aq	NA	123300	2320B	

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the instrument properly standardized?	✓			✓
2. Second-source ICV analyzed immediately after instrument standardization & recovery ± 10% of true value?	X D.b. 06-26-12		✓	✓
3. ICB analyzed immediately after ICV & results < the RL?	X D.b. 06-26-12		✓	✓
4. CCV analyzed after every ten samples & recovery ± 10% of true value?	✓			✓
5. CCB analyzed after every CCV & all results < the RL?	✓			✓
B. Sample Results				
1. pH sample and duplicate within ± 0.1 units?	✓			✓
1. Are all sample dilutions appropriate and do associated RLs reflect required dilutions or limited sample volumes?	✓			✓
2. All reported results bracketed by in control CCV results?	✓			✓
3. Sample analyses done within holding time?	✓			✓
4. Preparation benchsheet completed and included in package (if applicable)?	✓			✓
5. Special client requirements reviewed and met?	✓			✓
6. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓			✓
7. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
8. STD/True Value information is updated and included?	✓			✓
9. Raw data copies prepared, scanned, and uploaded?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. Sample DUP run at required frequency and RPD within established limits?	✓			✓

Analyst: [signature] **Date:** 6/23/12

2nd Level Reviewer : D.b. **Date:** 06-26-12

TestAmerica Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Data Review Checklist For Gravimetric Methods

Test Name/Method #: TDS Analysis Date: 6/25/12

SOP #: DV-WC-0064 Analyst: BT Instrument: Bal 1

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30376, 30184, 30188	Wat	—	125370	—	—
					7/2/12 BT

A. Balance, Oven, and DI Water QC Checks	Yes	No	N/A	2nd Level
1. Was the balance calibration verified before and after processing samples and noted in the "Balance Calibration Log" for the date(s) the samples were processed?	—			✓
2. Was the oven temperature within method requirements and recorded in the "Oven Temperature" logbook for the date(s) the samples were processed?	—			✓
3. Was the daily conductivity check of the deionized water recorded in the "Conductivity Logbook"?		✓		—
B. Method Requirements				
1. If sample is visibly oily, was this noted on the benchsheet?		✓		—
2. Was final residue weight within minimum/maximum requirements?	—			—
3. Were the initial and final drying dates and times recorded on the benchsheet and were all samples dried for at least one hour?	—			✓
C. Sample Results				
1. TDS/Conductivity ratio or historical data checked?		✓		—
2. For % Moisture, was the Final Dried Weight < the Initial Pan Weight or is the result greater than 100%?			✓	✓
3. Were sample analyses done within holding time?	—			—
4. Were special client requirements met?	—			—
5. Were data that were manually transcribed from instrument printouts into TALS verified 100% including significant figures and units?	—			✓
6. Do the prep and analysis dates in TALS reflect the actual dates? Lots/Dates report checked?	—			—
7. STD/True Value information is updated and included?	—			—
8. Are raw data copies prepared, scanned, and uploaded?	—			—
D. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10 X RL?	—			—
2. Method blank < ½ RL or NCM provided?	—			—
3. LCS/LCSD run for batch and within QC limits?	—			—
4. DUP run for batch and RPD < 20% for samples >5 X RL?	—			✓

Analyst: BT Date: 7/2/12

Comments: _____

2nd Level Reviewer : RS Date: 7/2/12

Comments: _____

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 126205 Batch Start Date: 06/29/12 10:10 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00153	NXN ICV INT 00147	AnalysisComment
ICVL 280-126205/15		350.1		100 mL	100 mL	OK		2 mL	
ICV 280-126205/16		350.1		100 mL	100 mL	OK		5 mL	
ICB 280-126205/17		350.1				OK			
MB 280-126205/20		350.1				OK			
LCS 280-126205/21		350.1		100 mL	100 mL	OK	5 mL		ph<2
LCSD 280-126205/22		350.1		100 mL	100 mL	OK	5 mL		ph<2
CCV 280-126205/32		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126205/33		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126205/34		350.1				OK			
CCVL 280-126205/49		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126205/50		350.1				OK			
280-30184-D-1	LF6VM10R230QA	350.1	T			OK			ph<2
MB 280-126205/59		350.1				OK			ph<2
LCS 280-126205/60		350.1		100 mL	100 mL	OK	5 mL		ph<2
LCSD 280-126205/61		350.1		100 mL	100 mL	OK	5 mL		ph<2
CCV 280-126205/64		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126205/65		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126205/66		350.1				OK			
280-30184-D-1 MS	LF6VM10R230QA	350.1	T	5 mL	5 mL	OK	0.2 mL		ph<2
280-30184-D-1 MSD	LF6VM10R230QA	350.1	T	5 mL	5 mL	OK	0.2 mL		ph<2
280-30184-D-2	LF6VM1850QA	350.1	T			OK			ph<2
280-30184-D-3	LF6VM1926QA	350.1	T			OK			ph<2
280-30184-D-4	LF6VM2068QA	350.1	T			OK			ph<2
280-30184-D-5	LF6VM2175QA	350.1	T			OK			ph<2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 126205 Batch Start Date: 06/29/12 10:10 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00153	NXN ICV INT 00147	AnalysisComment
280-30184-D-6	LF6VM2235QA	350.1	T			OK			ph<2
280-30184-D-7	LF6VM2235QC	350.1	T			OK			ph<2
280-30184-D-8	061812QE	350.1	T			OK			ph<2
CCV 280-126205/80		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126205/81		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126205/82		350.1				OK			

Batch Notes	
Buffer Reagent ID Number	NH3 Buffer_00013
Hypochlorite Reagent ID Number	Hypochlorite_00191
Sodium Nitroprusside Reagent ID	Nitroprusside_00023
Pipette ID	5000Q, 1000h, 200p
Perform Calculation (0=No, 1=Yes)	1
Sodium Phenolate Reagent ID Number	Phenolate NH3_00040

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 126750 Batch Start Date: 07/05/12 20:06 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	TKN 25ppm 00095		
LCS 280-126750/1		351.2, 351.2			25 mL	25 mL	6 mL		
LCSD 280-126750/2		351.2, 351.2			25 mL	25 mL	6 mL		
MB 280-126750/3		351.2, 351.2			25 mL	25 mL			
280-30184-C-1	LF6VM10R230QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30184-C-1 MS	LF6VM10R230QA	351.2, 351.2	T	< 2	25 mL	25 mL	3 mL		
280-30184-C-1 MSD	LF6VM10R230QA	351.2, 351.2	T	< 2	25 mL	25 mL	3 mL		
280-30184-C-2	LF6VM1850QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30184-C-3	LF6VM1926QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30184-C-4	LF6VM2068QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30184-C-5	LF6VM2175QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30184-C-6	LF6VM2235QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30184-C-7	LF6VM2235QC	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30184-C-8	061812QE	351.2, 351.2	T	< 2	25 mL	25 mL			

Batch Notes	
Batch Comment	5000X
Block Digestion End time	2345
Block Digestion Start time	2000
Block Digestor Name	TKN A
Digestion Solution Used	TKN Digestion_00009
Oven, Bath or Block Temperature 1	140 Degrees C
Oven, Bath or Block Temperature 2	380 Degrees C

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 126896 Batch Start Date: 07/07/12 14:42 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TKN 25ppm 00095	TKN ICV 00003			
ICV 280-126896/13		351.2		4 mL		2 mL			
ICB 280-126896/14		351.2		4 mL					
LCS 280-126750/1-A		351.2		4 mL					
LCSD 280-126750/2-A		351.2		4 mL					
MB 280-126750/3-A		351.2		4 mL					
280-30184-C-1-A	LF6VM10R230QA	351.2	T	4 mL					
280-30184-C-1-B MS	LF6VM10R230QA	351.2	T	4 mL					
280-30184-C-1-C MSD	LF6VM10R230QA	351.2	T	4 mL					
CCV 280-126896/21		351.2		25 mL	5 mL				
CCB 280-126896/22		351.2		4 mL					
280-30184-C-2-A	LF6VM1850QA	351.2	T	4 mL					
280-30184-C-3-A	LF6VM1926QA	351.2	T	4 mL					
280-30184-C-4-A	LF6VM2068QA	351.2	T	4 mL					
280-30184-C-5-A	LF6VM2175QA	351.2	T	4 mL					
280-30184-C-6-A	LF6VM2235QA	351.2	T	4 mL					
280-30184-C-7-A	LF6VM2235QC	351.2	T	4 mL					
280-30184-C-8-A	061812QE	351.2	T	4 mL					
CCV 280-126896/35		351.2		25 mL	5 mL				
CCB 280-126896/36		351.2		4 mL					

Batch Notes	
Batch Comment	5000X
Buffer Reagent ID Number	TKN Buffer_00010
Hypochlorite Solution Lot Number	TKN Hypochl_00092
Salicylate Nitroprusside Reagent ID	Sodium Nitro_00007
First Ending Temperature	57.0 Celsius
First Starting Temperature	57.0 Celsius

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 126896 Batch Start Date: 07/07/12 14:42 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date:

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 124298 Batch Start Date: 06/16/12 10:55 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	COD cal std 00014			
IC 280-124298/1		410.4		50 mL	50 mL	0.5 mL			
IC 280-124298/2		410.4		50 mL	50 mL	1 mL			
IC 280-124298/3		410.4		50 mL	50 mL	2.5 mL			
IC 280-124298/4		410.4		50 mL	50 mL	5 mL			
IC 280-124298/5		410.4		50 mL	50 mL	7.5 mL			
IC 280-124298/6		410.4		50 mL	50 mL	10 mL			

Batch Notes	
Batch Comment	420nm, WC-5000-N, WC-1000-H
Block Digestion End time	AA: 13:30 BB: 13:55 AA: 15:45
Block Digestion Start time	AA: 11:30 BB:11:55 AA: 13:45
Block Digestor Name	HACH DRB 200
Oven, Bath or Block Temperature 1	AA: 150 BB:150 AA: 150
Oven, Bath or Block Temperature 2	AA: 150 BB: 150
Sufficient volume for MS/MSD?	yes
Vial Lot Number	A2130 05/31/17

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 124604 Batch Start Date: 06/19/12 12:16 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	COD cal std 00014	COD icv std 00009
ICV 280-124604/1		410.4		50 mL	50 mL				5 mL
ICB 280-124604/2		410.4		2 mL	2 mL				
LCS 280-124604/3		410.4		100 mL	100 mL			10 mL	
LCSD 280-124604/4		410.4		100 mL	100 mL			10 mL	
MB 280-124604/5		410.4		2 mL	2 mL				
280-30184-C-1	LF6VM10R230QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
CCV 280-124604/16		410.4		100 mL	100 mL			10 mL	
CCB 280-124604/17		410.4		2 mL	2 mL				
280-30184-C-2	LF6VM1850QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30184-C-2 MS	LF6VM1850QA	410.4	T	100 mL	100 mL	<2 SU	<2 SU		
280-30184-C-2 MSD	LF6VM1850QA	410.4	T	100 mL	100 mL	<2 SU	<2 SU		
280-30184-C-3	LF6VM1926QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30184-C-4	LF6VM2068QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30184-C-5	LF6VM2175QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30184-C-6	LF6VM2235QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30184-C-7	LF6VM2235QC	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30184-C-8	061812QE	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
CCV 280-124604/27		410.4		100 mL	100 mL			10 mL	
CCB 280-124604/28		410.4		2 mL	2 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	cod ms/msd 00006	AnalysisComment				
ICV 280-124604/1		410.4							
ICB 280-124604/2		410.4							
LCS 280-124604/3		410.4							
LCSD 280-124604/4		410.4							

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 124604 Batch Start Date: 06/19/12 12:16 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	cod ms/msd 00006	AnalysisComment				
MB 280-124604/5		410.4							
280-30184-C-1	LF6VM10R230QA	410.4	T		CL <2000				
CCV 280-124604/16		410.4							
CCB 280-124604/17		410.4							
280-30184-C-2	LF6VM1850QA	410.4	T		CL <2000				
280-30184-C-2 MS	LF6VM1850QA	410.4	T	0.5 mL	CL <2000				
280-30184-C-2 MSD	LF6VM1850QA	410.4	T	0.5 mL	CL <2000				
280-30184-C-3	LF6VM1926QA	410.4	T		CL <2000				
280-30184-C-4	LF6VM2068QA	410.4	T		CL <2000				
280-30184-C-5	LF6VM2175QA	410.4	T		CL <2000				
280-30184-C-6	LF6VM2235QA	410.4	T		CL <2000				
280-30184-C-7	LF6VM2235QC	410.4	T		CL <2000				
280-30184-C-8	061812QE	410.4	T		CL <2000				
CCV 280-124604/27		410.4							
CCB 280-124604/28		410.4							

Batch Notes	
Batch Comment	420nm, WC-5000-Q, WC-1000-Q
Block Digestion End time	AA: 15:13 BB: 15:13
Block Digestion Start time	AA: 13:13 BB: 13:13
Block Digestor Name	HACH DRB 200
Oven, Bath or Block Temperature 1	AA: 150 BB: 150
Oven, Bath or Block Temperature 2	AA: 150 BB: 150
Sufficient volume for MS/MSD?	yes
Vial Lot Number	A2130 EXP-05/31/17

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 124723 Batch Start Date: 06/20/12 06:42 Batch Analyst: Ayala, Delaina

Batch Method: SM 2120B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TurbidityRemoved				
MB 280-124723/1		SM 2120B		50 mL	n				
280-30184-A-1	LF6VM10R230QA	SM 2120B	T	50 mL	y				
280-30184-A-1 DU	LF6VM10R230QA	SM 2120B	T	50 mL	y				
280-30184-A-2	LF6VM1850QA	SM 2120B	T	50 mL	y				
280-30184-A-3	LF6VM1926QA	SM 2120B	T	50 mL	n				
280-30184-A-4	LF6VM2068QA	SM 2120B	T	50 mL	y				
280-30184-A-5	LF6VM2175QA	SM 2120B	T	50 mL	y				
280-30184-A-6	LF6VM2235QA	SM 2120B	T	50 mL	n				
280-30184-A-7	LF6VM2235QC	SM 2120B	T	50 mL	n				
280-30184-A-8	061812QE	SM 2120B	T	50 mL	n				

Batch Notes	
Batch Comment	NESSLER TUBES
Color Standards Lot #	1316339

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 126803 Batch Start Date: 07/06/12 09:37 Batch Analyst: Allen, Andrew J

Batch Method: SM 2340C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	BuretStart1	BuretStop1	TitrantVolume1	CalcMsg
MB 280-126803/1		SM 2340C		25 mL	25 mL	0 mL	0.00 mL	0 mL	OK
LCS 280-126803/2		SM 2340C		25 mL	25 mL	0 mL	10.18 mL	10.18 mL	OK
LCSD 280-126803/3		SM 2340C		25 mL	25 mL	0 mL	10.25 mL	10.25 mL	OK
280-30184-E-1	LF6VM10R230QA	SM 2340C	T	25 mL	25 mL	0 mL	3.21 mL	3.21 mL	OK
280-30184-E-1 MS	LF6VM10R230QA	SM 2340C	T	25 mL	25 mL	0 mL	13.17 mL	13.17 mL	OK
280-30184-E-1 MSD	LF6VM10R230QA	SM 2340C	T	25 mL	25 mL	0 mL	13.26 mL	13.26 mL	OK
280-30184-E-2	LF6VM1850QA	SM 2340C	T	25 mL	25 mL	0 mL	7.92 mL	7.92 mL	OK
280-30184-E-3	LF6VM1926QA	SM 2340C	T	25 mL	25 mL	0 mL	6.44 mL	6.44 mL	OK
280-30184-E-4	LF6VM2068QA	SM 2340C	T	25 mL	25 mL	0 mL	3.20 mL	3.2 mL	OK
280-30184-E-5	LF6VM2175QA	SM 2340C	T	25 mL	25 mL	0 mL	2.50 mL	2.5 mL	OK
280-30184-E-6	LF6VM2235QA	SM 2340C	T	25 mL	25 mL	0 mL	7.73 mL	7.73 mL	OK
280-30184-E-7	LF6VM2235QC	SM 2340C	T	25 mL	25 mL	0 mL	4.96 mL	4.96 mL	OK
280-30184-E-8	061812QE	SM 2340C	T	25 mL	25 mL	0 mL	0.08 mL	0.08 mL	OK

Lab Sample ID	Client Sample ID	Method Chain	Basis	Hard lcs std 00022					
MB 280-126803/1		SM 2340C							
LCS 280-126803/2		SM 2340C		10 mL					
LCSD 280-126803/3		SM 2340C		10 mL					
280-30184-E-1	LF6VM10R230QA	SM 2340C	T						
280-30184-E-1 MS	LF6VM10R230QA	SM 2340C	T	10 mL					
280-30184-E-1 MSD	LF6VM10R230QA	SM 2340C	T	10 mL					
280-30184-E-2	LF6VM1850QA	SM 2340C	T						
280-30184-E-3	LF6VM1926QA	SM 2340C	T						
280-30184-E-4	LF6VM2068QA	SM 2340C	T						
280-30184-E-5	LF6VM2175QA	SM 2340C	T						
280-30184-E-6	LF6VM2235QA	SM 2340C	T						
280-30184-E-7	LF6VM2235QC	SM 2340C	T						
280-30184-E-8	061812QE	SM 2340C	T						

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 126803 Batch Start Date: 07/06/12 09:37 Batch Analyst: Allen, Andrew J

Batch Method: SM 2340C Batch End Date:

Batch Notes	
Buffer Lot #	Hardness Buffer 00011
EDTA Lot Number	EDTA Titrant 00008
Indicator Lot	Calmagite 00001
Nominal Amount Used	25 mL
Pipette ID	5000-L
Perform Calculation (0=No, 1=Yes)	1
Normality of first Titrant	0.01974 N
Titrant Standardization Date	070612

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 124773 Batch Start Date: 06/19/12 09:18 Batch Analyst: Kudla, Ewa

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	IC CAL INT1 00159	IC daily cal 00818	IC ICV daily 00818	ICMS/MSD WEEK 00145
ICV 280-124773/1		9056A			Not Calculated. Perform Calculation left blank			5 mL	
ICB 280-124773/2		9056A			Not Calculated. Perform Calculation left blank				
MRL 280-124773/3		9056A		5 mL	Not Calculated. Perform Calculation left blank	0.02 mL			
LCS 280-124773/4		9056A			Not Calculated. Perform Calculation left blank		5 mL		
LCSD 280-124773/5		9056A			Not Calculated. Perform Calculation left blank		5 mL		
MRL 280-124773/6		9056A		5 mL	Not Calculated. Perform Calculation not set to Run.	0.05 mL			
MB 280-124773/7		9056A			Not Calculated. Perform Calculation left blank				
280-30184-B-1	LF6VM10R230QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30184-B-1 DU	LF6VM10R230QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30184-B-1 MS	LF6VM10R230QA	9056A	T	5 mL	Not Calculated. Perform Calculation left blank				50 uL
280-30184-B-1 MSD	LF6VM10R230QA	9056A	T	5 mL	Not Calculated. Perform Calculation left blank				50 uL

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 124773 Batch Start Date: 06/19/12 09:18 Batch Analyst: Kudla, Ewa

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	IC CAL INT1 00159	IC daily cal 00818	IC ICV daily 00818	ICMS/MSD WEEK 00145
280-30184-B-2	LF6VM1850QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30184-B-3	LF6VM1926QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30184-B-4	LF6VM2068QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30184-B-5	LF6VM2175QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30184-B-6	LF6VM2235QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30184-B-7	LF6VM2235QC	9056A	T		Not Calculated. Perform Calculation left blank				
CCV 280-124773/18		9056A			Not Calculated. Perform Calculation left blank		5 mL		
CCB 280-124773/19		9056A			Not Calculated. Perform Calculation left blank				
280-30184-B-8	061812QE	9056A	T		Not Calculated. Perform Calculation left blank				
280-30184-B-7 DU	LF6VM2235QC	9056A	T		Not Calculated. Perform Calculation left blank				
CCV 280-124773/29		9056A			Not Calculated. Perform Calculation left blank		5 mL		

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 124773 Batch Start Date: 06/19/12 09:18 Batch Analyst: Kudla, Ewa

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	IC CAL INT1 00159	IC daily cal 00818	IC ICV daily 00818	ICMS/MSD WEEK 00145
CCB 280-124773/30		9056A			Not Calculated. Perform Calculation left blank				

Batch Notes	
Batch Comment	wc5000-ic, wc1000-u, wc100-c
Eluent 1 Lot	110820811019
Filter Lot #	koja5815-2038

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 124774 Batch Start Date: 06/19/12 09:18 Batch Analyst: Kudla, Ewa

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	IC CAL INT1 00159	IC daily cal 00818	IC ICV daily 00818	ICMS/MSD WEEK 00145	
ICV 280-124774/1		9056A					5 mL		
MRL 280-124774/3		9056A		5 mL	0.02 mL				
LCS 280-124774/4		9056A				5 mL			
LCSD 280-124774/5		9056A				5 mL			
280-30184-B-1 MS	LF6VM10R230QA	9056A	T	5 mL				50 uL	
280-30184-B-1 MSD	LF6VM10R230QA	9056A	T	5 mL				50 uL	
CCV 280-124774/18		9056A				5 mL			
CCV 280-124774/29		9056A				5 mL			
CCV 280-124774/41		9056A				5 mL			

Batch Notes	
Batch Comment	wc5000-ic, wc1000-u, wc100-c
Eluent 1 Lot	110820811019
Filter Lot #	koja5815-2038

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 127341 Batch Start Date: 07/10/12 20:07 Batch Analyst: Bandy, Darlene F

Batch Method: 9060A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TOC ICV Std 00012	TOC LCS Std 00013	AnalysisComment		
ICV 280-127341/1		9060A		50 mL	1 mL				
CCV 280-127341/40		9060A		200 mL		5 mL			
LCS 280-127341/45		9060A		200 mL		5 mL			
LCSD 280-127341/46		9060A		200 mL		5 mL			
280-30184-D-1	LF6VM10R230QA	9060A	T				pH <2		
280-30184-D-1 MS	LF6VM10R230QA	9060A	T	50 mL		1.25 mL	pH <2		
280-30184-D-1 MSD	LF6VM10R230QA	9060A	T	50 mL		1.25 mL	pH <2		
280-30184-D-2	LF6VM1850QA	9060A	T				pH <2		
CCV 280-127341/52		9060A		200 mL		5 mL			
280-30184-D-3	LF6VM1926QA	9060A	T				pH <2		
280-30184-D-4	LF6VM2068QA	9060A	T				pH <2		
280-30184-D-5	LF6VM2175QA	9060A	T				pH <2		
280-30184-D-6	LF6VM2235QA	9060A	T				pH <2		
280-30184-D-7	LF6VM2235QC	9060A	T				pH <2		
280-30184-D-8	061812QE	9060A	T				pH <2		
CCV 280-127341/60		9060A		200 mL		5 mL			

Batch Notes	
Batch Comment	0.2% H2SO4_00043, 0.2% H2SO4_00044
Pipette ID	WC5000-X

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 125300 Batch Start Date: 06/22/12 11:01 Batch Analyst: Gilbert, Bryan M

Batch Method: SM 2320B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	Alk daily lcs 00251				
CCV 280-125300/29		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125300/30		SM 2320B		InitialAmount is blank					
LCS 280-125300/31		SM 2320B		InitialAmount is blank	10 mL				
LCSD 280-125300/32		SM 2320B		InitialAmount is blank	10 mL				
MB 280-125300/33		SM 2320B		InitialAmount is blank					
CCV 280-125300/41		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125300/42		SM 2320B		InitialAmount is blank					
CCV 280-125300/53		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125300/54		SM 2320B		InitialAmount is blank					
280-30184-B-1	LF6VM10R230QA	SM 2320B	T	InitialAmount is blank					
280-30184-B-2	LF6VM1850QA	SM 2320B	T	InitialAmount is blank					
CCV 280-125300/59		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125300/60		SM 2320B		InitialAmount is blank					
LCS 280-125300/61		SM 2320B		InitialAmount is blank	10 mL				
LCSD 280-125300/62		SM 2320B		InitialAmount is blank	10 mL				
MB 280-125300/63		SM 2320B		InitialAmount is blank					
280-30184-B-3	LF6VM1926QA	SM 2320B	T	InitialAmount is blank					
280-30184-B-3 DU	LF6VM1926QA	SM 2320B	T	InitialAmount is blank					
280-30184-B-4	LF6VM2068QA	SM 2320B	T	InitialAmount is blank					
280-30184-B-5	LF6VM2175QA	SM 2320B	T	InitialAmount is blank					
280-30184-B-6	LF6VM2235QA	SM 2320B	T	InitialAmount is blank					
280-30184-B-7	LF6VM2235QC	SM 2320B	T	InitialAmount is blank					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 125300 Batch Start Date: 06/22/12 11:01 Batch Analyst: Gilbert, Bryan M

Batch Method: SM 2320B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	Alk daily lcs 00251				
280-30184-B-8	061812QE	SM 2320B	T	InitialAmount is blank					
CCV 280-125300/71		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125300/72		SM 2320B		InitialAmount is blank					

Batch Notes	
pH Buffer 1 ID	pH 4 buffer 71
pH Buffer 2 ID	pH 7 buffer 79
pH Buffer 3 ID	ph 10 buffer 59
First End time	4:52
Sulfuric Acid Lot Number	.02n H2SO4_00075
Sulfuric Acid Vendor	RICCA
Nominal Amount Used	10 mL
Pipette ID	5000Q
Probe ID	pH probe #
First Start time	11:01
Normality of first Titrant	.02 N

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 125370 Batch Start Date: 06/25/12 07:14 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	InitialAmount	TareWeight	Weight1	Weight2	Weight3
MB 280-125370/1		SM 2540C		0.86 umhos/cm	100 mL	64.7391 g	64.7395 g	64.7395 g	0 g
LCS 280-125370/2		SM 2540C			100 mL	64.7499 g	64.7995 g	64.7977 g	64.7977 g
LCSD 280-125370/3		SM 2540C			100 mL	64.8298 g	64.8795 g	64.8772 g	64.8772 g
280-30184-B-1	LF6VM10R230QA	SM 2540C	T	260 umhos/cm	100 mL	64.7484 g	64.7635 g	64.7622 g	64.7622 g
280-30184-B-2	LF6VM1850QA	SM 2540C	T	780 umhos/cm	100 mL	64.9961 g	65.0409 g	65.0393 g	65.0393 g
280-30184-B-3	LF6VM1926QA	SM 2540C	T	660 umhos/cm	100 mL	64.7484 g	64.7836 g	64.7820 g	64.7820 g
280-30184-B-4	LF6VM2068QA	SM 2540C	T	739 umhos/cm	100 mL	64.8320 g	64.8691 g	64.8678 g	64.8678 g
280-30184-B-5	LF6VM2175QA	SM 2540C	T	194.4 umhos/cm	100 mL	64.5621 g	64.5743 g	64.5729 g	64.5729 g
280-30184-B-6	LF6VM2235QA	SM 2540C	T	423 umhos/cm	100 mL	65.1170 g	65.1411 g	65.1396 g	65.1396 g
280-30184-B-7	LF6VM2235QC	SM 2540C	T	413 umhos/cm	100 mL	65.9985 g	66.0232 g	66.0220 g	66.0220 g
280-30184-B-8	061812QE	SM 2540C	T	1.71 umhos/cm	100 mL	66.8484 g	66.8489 g	66.8488 g	0 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	WeightOne%Diff	WeightTwo%Diff	Residue	Residue2	Residue3	FinalAmount
MB 280-125370/1		SM 2540C		PASS_D No Unit		0.00040 g	0.00040 g		100 mL
LCS 280-125370/2		SM 2540C		NOPE_B No Unit	PASS_B No Unit	0.04960 g	0.04780 g	0.0478000000000094 g	100 mL
LCSD 280-125370/3		SM 2540C		NOPE_B No Unit	PASS_B No Unit	0.04970 g	0.04740 g	0.0473999999999961 g	100 mL
280-30184-B-1	LF6VM10R230QA	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.01510 g	0.01380 g	0.0138000000000034 g	100 mL
280-30184-B-2	LF6VM1850QA	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.04480 g	0.04320 g	0.0431999999999988 g	100 mL
280-30184-B-3	LF6VM1926QA	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.03520 g	0.03360 g	0.0335999999999927 g	100 mL
280-30184-B-4	LF6VM2068QA	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.03710 g	0.03580 g	0.0358000000000089 g	100 mL
280-30184-B-5	LF6VM2175QA	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.01220 g	0.01080 g	0.0108000000000033 g	100 mL
280-30184-B-6	LF6VM2235QA	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.02410 g	0.02260 g	0.0225999999999971 g	100 mL
280-30184-B-7	LF6VM2235QC	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.02470 g	0.02350 g	0.0234999999999985 g	100 mL
280-30184-B-8	061812QE	SM 2540C	T	PASS_D No Unit		0.00050 g	0.00040 g		100 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	TDS LCS 00278	AnalysisComment				
MB 280-125370/1		SM 2540C							

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 125370 Batch Start Date: 06/25/12 07:14 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TDS LCS 00278	AnalysisComment				
LCS 280-125370/2		SM 2540C		100 mL	2nd wght 64.7984				
LCSD 280-125370/3		SM 2540C		100 mL	2nd wght 64.8785				
280-30184-B-1	LF6VM10R230QA	SM 2540C	T		2nd wght 64.7628				
280-30184-B-2	LF6VM1850QA	SM 2540C	T		2nd wght 65.0401				
280-30184-B-3	LF6VM1926QA	SM 2540C	T		2nd wght 64.7830				
280-30184-B-4	LF6VM2068QA	SM 2540C	T		2nd wght 64.8634				
280-30184-B-5	LF6VM2175QA	SM 2540C	T		2nd wght 64.5738				
280-30184-B-6	LF6VM2235QA	SM 2540C	T		2nd wght 65.1403				
280-30184-B-7	LF6VM2235QC	SM 2540C	T		2nd wght 66.0225				
280-30184-B-8	061812QE	SM 2540C	T						

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30184-1

SDG No.:

Batch Number: 125370 Batch Start Date: 06/25/12 07:14 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Batch Notes	
Balance ID	D91301
Constant Weight (WT2) Date/Time in Oven	6/26/12 11:40
Constant Weight (WT2) Date/Time Out	6/26/12 12:50
Constant Weight (WT2) Temp In	180 Celsius
Constant Weight (WT2) Temp Out	180 Celsius
Constant Weight (WT3) Date/time In	6/27/12 7:15
Constant Weight (WT3) Date/Time Out	6/27/12 10:05
Constant Weight (WT3) Temp In	180 Celsius
Constant Weight (WT3) Temp Out	180 Celsius
Filter Paper Lot Number	millipore lot# r2aa74409
Date samples were placed in the oven	6/25/12 9:00
Oven Temp when samples are put in oven	180 Celsius
Nominal Amount Used	100 mL
Date samples were removed from oven	6/26/12 6:00
Oven Temp when samples removed from oven	180 Celsius
Oven ID	A
Oven Temperature Verification	180 Celsius
ID number of the thermometer	14-983-17c
Uncorrected In Temperature	180 Celsius
Uncorrected Out Temperature	180 Celsius

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-30184-1

Login Number: 30184

List Source: TestAmerica Denver

List Number: 1

Creator: Bindel, Aaron M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30235-1

Job Description: Griffiss AFB LF6 LTM

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Julie L Dreesen
Project Mgmt. Assistant
7/17/2012 2:50 PM

Designee for
Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/17/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
Tel (303) 736-0100 Fax (303) 431-7171 www.testamericainc.com

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB LF6 LTM
Report Number: 280-30235-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Eleven samples were received on 06/20/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 4.4 ºC, 3.4 ºC, and 5.0 ºC.

Samples LF6M0168QS and LF6M0168QD were logged as the MS/MSD with the same sample ID, LF6M0168QA, as its parent sample. The client was notified on June 20, 2012.

MS/MSD is not performed for the following analyses: TDS, Color, Alkalinity, and BOD. The client was notified on June 20, 2012.

A sample ID discrepancy was noted between the information listed on the chain-of-custody and the container label for TA Denver samples 280-30235-6. The chain-of-custody lists the sample ID as LF6VM24499QA, while the container labels list the sample ID as LF6VM2449QA. The Sample Technician was able to determine the identity of the sample by comparing the sample collection time on the COC with the sample collection time on the sample container label. As requested by the client on 06/22/2012, the sample ID was logged per the sample container label. The client was notified on June 20, 2012.

MS/MSD analyses were requested and performed on sample LF6M0168QA (280-30235-1).

As instructed by the client, samples requesting BOD analysis have not been reported as the QC for the batch did not pass for an unknown reason. Samples will be recollected and resubmitted at a later date.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 775VM1095QA (280-30235-3), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8), 061912QE (280-30235-9), 061912QF (280-30235-10) and 061912QR (280-30235-11) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 06/29/2012.

Methylene Chloride was detected in method blank MB 280-126144/7 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 280-126144: 1,2-Dichloroethane-d4 (Surr). The compound is not classified as a Calibration Check Compound (CCC) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for 6 analytes to be outside limits; therefore, the data have been reported.

Refer to the QC report for details.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

COLOR

Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for color in accordance with SM20 2120B - Colorimetric. The samples were analyzed on 06/20/2012.

No difficulties were encountered during the color analyses.

All quality control parameters were within the acceptance limits.

ALKALINITY
Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 06/23/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

HARDNESS
Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for hardness in accordance with SM20 2340C. The samples were analyzed on 07/13/2012.

No difficulties were encountered during the hardness analyses.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS
Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 06/26/2012.

Constant weight was not achieved after 3 drying cycles for the following TDS samples of batch 280-125565: LF6M0168QC (280-30235-2) and LF6VM2449QA (280-30235-6).

No other difficulties were encountered during the TDS analyses.

All other quality control parameters were within the acceptance limits.

AMMONIA
Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 07/02/2012.

Ammonia was detected in method blank MB 280-126422/120 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 280-126422, performed on sample LF6M0168QA (280-30235-1), were outside control limits for Ammonia. The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

TOTAL KJELDAHL NITROGEN
Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 07/10/2012 and analyzed on 07/11/2012.

Nitrogen, Kjeldahl was detected in method blank MB 280-127378/3-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 280-127378, performed on sample LF6M0168QA (280-30235-1), were outside control limits for Nitrogen, Kjeldahl. The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the TKN analyses.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND
Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4),

775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for chemical oxygen demand in accordance with EPA Method 410.4. The samples were analyzed on 06/21/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

ANIONS (28 DAYS)

Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for anions (28 days) in accordance with EPA SW-846 Method 9056. The samples were analyzed on 06/20/2012.

Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6) and TMCM0919QA (280-30235-8) required dilution prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

ANIONS (48 HOURS)

Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for anions (48 hours) in accordance with EPA SW-846 Method 9056A. The samples were analyzed on 06/20/2012.

Samples LF6M0168QA (280-30235-1)[2X] and LF6M0168QC (280-30235-2)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Samples LF6M0168QA (280-30235-1), LF6M0168QC (280-30235-2), 775VM1095QA (280-30235-3), 775VM18R90QA (280-30235-4), 775VM20R110QA (280-30235-5), LF6VM2449QA (280-30235-6), LF6VM2544QA (280-30235-7), TMCM0919QA (280-30235-8) and 061912QE (280-30235-9) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 07/13/2012.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: MSV_Z Analysis Batch Number: 123533

Lab Sample ID: IC 280-123533/4 Client Sample ID:

Date Analyzed: 06/11/12 11:42 Lab File ID: Z7130.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Nitropropane	6.22	Baseline Event	tinkhams	06/11/12 23:22

Lab Sample ID: IC 280-123533/7 Client Sample ID:

Date Analyzed: 06/11/12 12:46 Lab File ID: Z7133.D GC Column: DB-624 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Nitropropane	6.21	Baseline Event	tinkhams	06/11/12 23:23

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30235-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30235-1	LF6M0168QA	Water	06/19/2012 1523	06/20/2012 0900
280-30235-1MS	LF6M0168QA	Water	06/19/2012 1523	06/20/2012 0900
280-30235-1MSD	LF6M0168QA	Water	06/19/2012 1523	06/20/2012 0900
280-30235-2FD	LF6M0168QC	Water	06/19/2012 1523	06/20/2012 0900
280-30235-3	775VM1095QA	Water	06/19/2012 1139	06/20/2012 0900
280-30235-4	775VM18R90QA	Water	06/19/2012 1049	06/20/2012 0900
280-30235-5	775VM20R110QA	Water	06/19/2012 1407	06/20/2012 0900
280-30235-6	LF6VM2449QA	Water	06/19/2012 1532	06/20/2012 0900
280-30235-7	LF6VM2544QA	Water	06/19/2012 1144	06/20/2012 0900
280-30235-8	TMCM0919QA	Water	06/19/2012 1248	06/20/2012 0900
280-30235-9EB	061912QE	Water	06/19/2012 1251	06/20/2012 0900
280-30235-10FB	061912QF	Water	06/19/2012 1325	06/20/2012 0900
280-30235-11TB	061912QR	Water	06/19/2012 0845	06/20/2012 0900

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30235-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30235-1	**LF6M0168QA**					
Ammonia		0.065	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.0	J	1.0	mg/L	351.2
Chemical Oxygen Demand		11	J	20	mg/L	410.4
Bromide		0.34	J	1.0	mg/L	9056A
Nitrate as N		1.9		1.0	mg/L	9056A
Chloride		1300		150	mg/L	9056A
Nitrate Nitrite as N		1.9		1.0	mg/L	9056A
Sulfate		56		10	mg/L	9056A
Total Organic Carbon - Quad		1.4		1.0	mg/L	9060A
Alkalinity		230		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		410	J	5.0	mg/L	SM 2340C
Total Dissolved Solids		2400		40	mg/L	SM 2540C
280-30235-2FD	**LF6M0168QC**					
Ammonia		0.13		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.0		1.0	mg/L	351.2
Chemical Oxygen Demand		16	J	20	mg/L	410.4
Bromide		0.35	J	1.0	mg/L	9056A
Nitrate as N		2.0		1.0	mg/L	9056A
Chloride		1300		150	mg/L	9056A
Nitrate Nitrite as N		2.0		1.0	mg/L	9056A
Sulfate		56		10	mg/L	9056A
Orthophosphate as P		0.45	J	1.0	mg/L	9056A
Total Organic Carbon - Quad		1.4		1.0	mg/L	9060A
Alkalinity		230		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		400		5.0	mg/L	SM 2340C
Total Dissolved Solids		2400		40	mg/L	SM 2540C
280-30235-3	**775VM1095QA**					
1,1,1-Trichloroethane		0.36	J	1.0	ug/L	8260B/DoD
Methylene Chloride		0.33	J	5.0	ug/L	8260B/DoD
Trichloroethene		42		1.0	ug/L	8260B/DoD
Ammonia		0.062	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.67	J	1.0	mg/L	351.2
Nitrate as N		1.5		0.50	mg/L	9056A
Chloride		150		15	mg/L	9056A
Nitrate Nitrite as N		1.5		0.50	mg/L	9056A
Sulfate		22		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.81	J	1.0	mg/L	9060A
Alkalinity		160		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		190		5.0	mg/L	SM 2340C
Total Dissolved Solids		430		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30235-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30235-4	**775VM18R90QA**					
Ammonia		0.81		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.61	J	1.0	mg/L	351.2
Chemical Oxygen Demand		8.0	J	20	mg/L	410.4
Bromide		0.14	J	0.50	mg/L	9056A
Nitrate as N		3.4		0.50	mg/L	9056A
Chloride		460		30	mg/L	9056A
Nitrate Nitrite as N		3.4		0.50	mg/L	9056A
Sulfate		42		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.81	J	1.0	mg/L	9060A
Alkalinity		190		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		310		5.0	mg/L	SM 2340C
Total Dissolved Solids		1000		10	mg/L	SM 2540C
280-30235-5	**775VM20R110QA**					
Ammonia		0.075	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.0		1.0	mg/L	351.2
Nitrate as N		0.048	J	0.50	mg/L	9056A
Chloride		57		15	mg/L	9056A
Nitrate Nitrite as N		0.048	J	0.50	mg/L	9056A
Sulfate		39		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.62	J	1.0	mg/L	9060A
Alkalinity		180		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		200		5.0	mg/L	SM 2340C
Total Dissolved Solids		300		10	mg/L	SM 2540C
280-30235-6	**LF6VM2449QA**					
cis-1,2-Dichloroethene		0.49	J	1.0	ug/L	8260B/DoD
Ammonia		0.12		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.90	J	1.0	mg/L	351.2
Chemical Oxygen Demand		4.3	J	20	mg/L	410.4
Bromide		0.63		0.50	mg/L	9056A
Chloride		390		30	mg/L	9056A
Sulfate		45		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.56	J	1.0	mg/L	9060A
Alkalinity		99		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		440		5.0	mg/L	SM 2340C
Total Dissolved Solids		800		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30235-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30235-7	**LF6VM2544QA**					
Ammonia		0.67		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.4		1.0	mg/L	351.2
Chemical Oxygen Demand		7.3	J	20	mg/L	410.4
Nitrate as N		0.045	J	0.50	mg/L	9056A
Chloride		13		3.0	mg/L	9056A
Nitrate Nitrite as N		0.045	J	0.50	mg/L	9056A
Sulfate		50		5.0	mg/L	9056A
Total Organic Carbon - Quad		2.4		1.0	mg/L	9060A
Alkalinity		340		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		380		5.0	mg/L	SM 2340C
Total Dissolved Solids		430		10	mg/L	SM 2540C
280-30235-8	**TMCM0919QA**					
Ammonia		0.71		0.10	mg/L	350.1
Nitrogen, Kjeldahl		1.4		1.0	mg/L	351.2
Chemical Oxygen Demand		14	J	20	mg/L	410.4
Bromide		0.15	J	0.50	mg/L	9056A
Nitrate as N		2.0		0.50	mg/L	9056A
Chloride		75		15	mg/L	9056A
Nitrate Nitrite as N		2.0		0.50	mg/L	9056A
Sulfate		70		25	mg/L	9056A
Total Organic Carbon - Quad		3.0		1.0	mg/L	9060A
Alkalinity		470		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		460		5.0	mg/L	SM 2340C
Total Dissolved Solids		670		10	mg/L	SM 2540C
280-30235-9EB	**061912QE**					
Methylene Chloride		1.5	J	5.0	ug/L	8260B/DoD
Ammonia		0.073	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.64	J	1.0	mg/L	351.2
Chemical Oxygen Demand		7.0	J	20	mg/L	410.4
Nitrate as N		0.059	J	0.50	mg/L	9056A
Nitrate Nitrite as N		0.059	J	0.50	mg/L	9056A
Total Organic Carbon - Quad		0.33	J	1.0	mg/L	9060A
280-30235-10FB	**061912QF**					
Methylene Chloride		1.1	J	5.0	ug/L	8260B/DoD
280-30235-11TB	**061912QR**					
Methylene Chloride		0.39	J	5.0	ug/L	8260B/DoD

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30235-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Nitrogen, Total Kjeldahl	TAL DEN	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL DEN		MCAWW 351.2
COD	TAL DEN	MCAWW 410.4	
Anions, Ion Chromatography	TAL DEN	SW846 9056A	
Organic Carbon, Total (TOC)	TAL DEN	SW846 9060A	
Color, Colorimetric	TAL DEN	SM SM 2120B	
Alkalinity	TAL DEN	SM SM 2320B	
Hardness, Total	TAL DEN	SM SM 2340C	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30235-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Meier, Greg P	GPM
MCAWW 350.1	Wolff, Brett Q	BQW
MCAWW 351.2	Woolley, Mark	MW
MCAWW 410.4	Fayard, Maria	MF
SW846 9056A	Phan, Thu L	TLP
SW846 9060A	Bandy, Darlene F	DFB
SM SM 2120B	Ayala, Delaina	DA
SM SM 2320B	Gilbert, Bryan M	BMG
SM SM 2340C	Allen, Andrew J	AJA
SM SM 2540C	Domnick, Brandon J	BJD

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: **775VM1095QA**

Lab Sample ID: 280-30235-3
Client Matrix: Water

Date Sampled: 06/19/2012 1139
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7886.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1050			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1050				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.36	J	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: **775VM1095QA**

Lab Sample ID: 280-30235-3
Client Matrix: Water

Date Sampled: 06/19/2012 1139
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7886.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1050			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1050				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.33	J	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	42		0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	106		85 - 120
1,2-Dichloroethane-d4 (Surr)	90		70 - 120
4-Bromofluorobenzene (Surr)	102		75 - 120
Dibromofluoromethane (Surr)	96		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: **LF6VM2449QA**

Lab Sample ID: 280-30235-6
Client Matrix: Water

Date Sampled: 06/19/2012 1532
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7887.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1112			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1112				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.49	J	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: **LF6VM2449QA**

Lab Sample ID: 280-30235-6
Client Matrix: Water

Date Sampled: 06/19/2012 1532
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7887.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1112			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1112				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	96		85 - 120
1,2-Dichloroethane-d4 (Surr)	84		70 - 120
4-Bromofluorobenzene (Surr)	93		75 - 120
Dibromofluoromethane (Surr)	89		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: **LF6VM2544QA**

Lab Sample ID: 280-30235-7
Client Matrix: Water

Date Sampled: 06/19/2012 1144
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7888.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1133			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1133				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: **LF6VM2544QA**

Lab Sample ID: 280-30235-7
Client Matrix: Water

Date Sampled: 06/19/2012 1144
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7888.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1133			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1133				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	94		85 - 120
1,2-Dichloroethane-d4 (Surr)	82		70 - 120
4-Bromofluorobenzene (Surr)	91		75 - 120
Dibromofluoromethane (Surr)	85		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: **TMCM0919QA**

Lab Sample ID: 280-30235-8
Client Matrix: Water

Date Sampled: 06/19/2012 1248
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7889.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1155			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1155				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc | Job Number: 280-30235-1

Client Sample ID: **TMCM0919QA**

Lab Sample ID: 280-30235-8 | Date Sampled: 06/19/2012 1248
Client Matrix: Water | Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7889.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1155			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1155				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	93		85 - 120
1,2-Dichloroethane-d4 (Surr)	82		70 - 120
4-Bromofluorobenzene (Surr)	89		75 - 120
Dibromofluoromethane (Surr)	85		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: **061912QE**

Lab Sample ID: 280-30235-9EB
Client Matrix: Water

Date Sampled: 06/19/2012 1251
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7890.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1216			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1216				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc | Job Number: 280-30235-1

Client Sample ID: **061912QE**

Lab Sample ID: 280-30235-9EB | Date Sampled: 06/19/2012 1251
Client Matrix: Water | Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7890.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1216			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1216				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	1.5	J	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	108		85 - 120
1,2-Dichloroethane-d4 (Surr)	91		70 - 120
4-Bromofluorobenzene (Surr)	106		75 - 120
Dibromofluoromethane (Surr)	98		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: **061912QF**

Lab Sample ID: 280-30235-10FB
Client Matrix: Water

Date Sampled: 06/19/2012 1325
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7891.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1237			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1237				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc | Job Number: 280-30235-1

Client Sample ID: **061912QF**

Lab Sample ID: 280-30235-10FB | Date Sampled: 06/19/2012 1325
Client Matrix: Water | Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7891.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1237			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1237				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	1.1	J	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	97		85 - 120
1,2-Dichloroethane-d4 (Surr)	82		70 - 120
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	87		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30235-1

Client Sample ID: **061912QR**

Lab Sample ID: 280-30235-11TB
Client Matrix: Water

Date Sampled: 06/19/2012 0845
Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7892.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1259			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1259				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc | Job Number: 280-30235-1

Client Sample ID: **061912QR**

Lab Sample ID: 280-30235-11TB | Date Sampled: 06/19/2012 0845
Client Matrix: Water | Date Received: 06/20/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Z7892.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 1259			Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 1259				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.39	J	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	97		85 - 120
1,2-Dichloroethane-d4 (Surr)	82		70 - 120
4-Bromofluorobenzene (Surr)	91		75 - 120
Dibromofluoromethane (Surr)	86		85 - 115

General Chemistry

Client Sample ID: **LF6M0168QA**

Lab Sample ID: 280-30235-1 Date Sampled: 06/19/2012 1523
Client Matrix: Water Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.065	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1637						
Nitrogen, Kjeldahl	1.0	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2205						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	11	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.34	J	mg/L	0.23	1.0	2.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1305						
Nitrate as N	1.9		mg/L	0.084	1.0	2.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1305						
Chloride	1300		mg/L	13	150	50	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1932						
Nitrite as N	0.20	U	mg/L	0.098	1.0	2.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1305						
Fluoride	0.20	U	mg/L	0.12	2.0	2.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1305						
Nitrate Nitrite as N	1.9		mg/L	0.084	1.0	2.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1305						
Orthophosphate as P	0.40	U	mg/L	0.37	1.0	2.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1305						
Sulfate	56		mg/L	0.46	10	2.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1305						
Total Organic Carbon - Quad	1.4		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 1853						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	230		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1144						
Hardness as calcium carbonate	410	J	mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	2400		mg/L	19	40	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

General Chemistry

Client Sample ID: **LF6M0168QC**

Lab Sample ID: 280-30235-2FD Date Sampled: 06/19/2012 1523
Client Matrix: Water Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.13		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1641						
Nitrogen, Kjeldahl	1.0		mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2216						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	16	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.35	J	mg/L	0.23	1.0	2.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1413						
Nitrate as N	2.0		mg/L	0.084	1.0	2.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1413						
Chloride	1300		mg/L	13	150	50	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 2039						
Nitrite as N	0.20	U	mg/L	0.098	1.0	2.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1413						
Fluoride	0.20	U	mg/L	0.12	2.0	2.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1413						
Nitrate Nitrite as N	2.0		mg/L	0.084	1.0	2.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1413						
Orthophosphate as P	0.45	J	mg/L	0.37	1.0	2.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1413						
Sulfate	56		mg/L	0.46	10	2.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1413						
Total Organic Carbon - Quad	1.4		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 1946						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	230		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1149						
Hardness as calcium carbonate	400		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	2400		mg/L	19	40	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

General Chemistry

Client Sample ID: **775VM1095QA**

Lab Sample ID: 280-30235-3 Date Sampled: 06/19/2012 1139
Client Matrix: Water Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.062	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1643						
Nitrogen, Kjeldahl	0.67	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2218						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1429						
Nitrate as N	1.5		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1429						
Chloride	150		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 2056						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1429						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1429						
Nitrate Nitrite as N	1.5		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1429						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1429						
Sulfate	22		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1429						
Total Organic Carbon - Quad	0.81	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2005						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	160		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1153						
Hardness as calcium carbonate	190		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	430		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

General Chemistry

Client Sample ID: **775VM18R90QA**

Lab Sample ID: 280-30235-4 Date Sampled: 06/19/2012 1049
Client Matrix: Water Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.81		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1644						
Nitrogen, Kjeldahl	0.61	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2219						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	8.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.14	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1446						
Nitrate as N	3.4		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1446						
Chloride	460		mg/L	2.5	30	10	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 2113						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1446						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1446						
Nitrate Nitrite as N	3.4		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1446						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1446						
Sulfate	42		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1446						
Total Organic Carbon - Quad	0.81	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2020						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	190		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1159						
Hardness as calcium carbonate	310		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	1000		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

General Chemistry

Client Sample ID: **775VM20R110QA**

Lab Sample ID: 280-30235-5 Date Sampled: 06/19/2012 1407
Client Matrix: Water Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.075	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1646						
Nitrogen, Kjeldahl	1.0		mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2220						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1537						
Nitrate as N	0.048	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1537						
Chloride	57		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 2129						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1537						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1537						
Nitrate Nitrite as N	0.048	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1537						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1537						
Sulfate	39		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1537						
Total Organic Carbon - Quad	0.62	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2036						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	180		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1204						
Hardness as calcium carbonate	200		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	300		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

General Chemistry

Client Sample ID: **LF6VM2449QA**

Lab Sample ID: 280-30235-6 Date Sampled: 06/19/2012 1532
Client Matrix: Water Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.12		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1647						
Nitrogen, Kjeldahl	0.90	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2221						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	4.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.63		mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1553						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1553						
Chloride	390		mg/L	2.5	30	10	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 2146						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1553						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1553						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1553						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1553						
Sulfate	45		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1553						
Total Organic Carbon - Quad	0.56	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2051						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	99		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1208						
Hardness as calcium carbonate	440		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	800		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

General Chemistry

Client Sample ID: **LF6VM2544QA**

Lab Sample ID: 280-30235-7 Date Sampled: 06/19/2012 1144
Client Matrix: Water Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.67		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1649						
Nitrogen, Kjeldahl	1.4		mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2223						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	7.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1610						
Nitrate as N	0.045	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1610						
Chloride	13		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1610						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1610						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1610						
Nitrate Nitrite as N	0.045	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1610						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1610						
Sulfate	50		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1610						
Total Organic Carbon - Quad	2.4		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2106						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	340		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1213						
Hardness as calcium carbonate	380		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	430		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

General Chemistry

Client Sample ID: **TMCM0919QA**

Lab Sample ID: 280-30235-8 Date Sampled: 06/19/2012 1248
Client Matrix: Water Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.71		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1650						
Nitrogen, Kjeldahl	1.4		mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2224						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	14	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.15	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1627						
Nitrate as N	2.0		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1627						
Chloride	75		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 2203						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1627						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1627						
Nitrate Nitrite as N	2.0		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1627						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1627						
Sulfate	70		mg/L	1.2	25	5.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 2203						
Total Organic Carbon - Quad	3.0		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2201						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	470		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1218						
Hardness as calcium carbonate	460		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	670		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

General Chemistry

Client Sample ID: **061912QE**

Lab Sample ID: 280-30235-9EB Date Sampled: 06/19/2012 1251
Client Matrix: Water Date Received: 06/20/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.073	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126422	Analysis Date: 07/02/2012 1702						
Nitrogen, Kjeldahl	0.64	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127390	Analysis Date: 07/11/2012 2225						
Prep Batch: 280-127378	Prep Date: 07/10/2012 1800						
Chemical Oxygen Demand	7.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-124953	Analysis Date: 06/21/2012 0818						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1644						
Nitrate as N	0.059	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1644						
Chloride	0.50	U	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1644						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1644						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1644						
Nitrate Nitrite as N	0.059	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1644						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125063	Analysis Date: 06/20/2012 1644						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125064	Analysis Date: 06/20/2012 1644						
Total Organic Carbon - Quad	0.33	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2218						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-124983	Analysis Date: 06/20/2012 1330						
Alkalinity	2.0	U	mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1222						
Hardness as calcium carbonate	1.5	U	mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-127653	Analysis Date: 07/13/2012 0957						
Total Dissolved Solids	10	U	mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125565	Analysis Date: 06/26/2012 0759						

Client: FPM Remediations Inc

Job Number: 280-30235-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-30235-3	775VM1095QA	96	90	106	102
280-30235-6	LF6VM2449QA	89	84	96	93
280-30235-7	LF6VM2544QA	85	82	94	91
280-30235-8	TMCM0919QA	85	82	93	89
280-30235-9	061912QE	98	91	108	106
280-30235-10	061912QF	87	82	97	95
280-30235-11	061912QR	86	82	97	91
MB 280-126144/7		86	80	92	89
LCS 280-126144/6		87	83	104	88

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Client: FPM Remediations Inc

Job Number: 280-30235-1

Method Blank - Batch: 280-126144

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-126144/7	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Z7878.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 0750	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 0750				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 280-30235-1

Method Blank - Batch: 280-126144

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-126144/7	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Z7878.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 0750	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 0750				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.431	J	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	92	85 - 120
1,2-Dichloroethane-d4 (Surr)	80	70 - 120
4-Bromofluorobenzene (Surr)	89	75 - 120
Dibromofluoromethane (Surr)	86	85 - 115

Lab Control Sample - Batch: 280-126144

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-126144/6	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Z7877.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 0729	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 0729				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	5.00	4.80	96	80 - 130	
1,1,1-Trichloroethane	5.00	4.11	82	65 - 130	
1,2,3-Trichloropropane	5.00	4.50	90	75 - 125	
1,2,3-Trichlorobenzene	5.00	5.06	101	55 - 140	
1,1-Dichloroethane	5.00	4.31	86	70 - 135	
1,2,4-Trichlorobenzene	5.00	5.11	102	65 - 135	
1,2-Dibromo-3-Chloropropane	5.00	4.87	97	50 - 130	J
1,1-Dichloropropene	5.00	4.61	92	75 - 130	
1,1-Dichloroethene	5.00	4.50	90	70 - 130	
1,1,2-Trichloroethane	5.00	4.62	92	75 - 125	
1,1,2,2-Tetrachloroethane	5.00	5.15	103	65 - 130	
1,2,4-Trimethylbenzene	5.00	4.73	95	75 - 130	
1,2-Dichlorobenzene	5.00	4.82	96	70 - 120	
1,2-Dichloroethane	5.00	4.31	86	70 - 130	
1,3-Dichlorobenzene	5.00	4.90	98	75 - 125	
1,3-Dichloropropane	5.00	5.22	104	75 - 125	
1,3,5-Trimethylbenzene	5.00	4.78	96	75 - 130	
2-Butanone (MEK)	20.0	16.3	81	30 - 150	
1,4-Dichlorobenzene	5.00	4.95	99	75 - 125	
1,2-Dichloropropane	5.00	4.94	99	75 - 125	
2,2-Dichloropropane	5.00	4.53	91	70 - 135	
2-Hexanone	20.0	18.9	95	55 - 130	
4-Methyl-2-pentanone (MIBK)	20.0	19.1	96	60 - 135	
4-Isopropyltoluene	5.00	4.61	92	75 - 130	
Benzene	5.00	4.82	96	80 - 120	
Acetone	20.0	18.5	92	40 - 140	
Bromobenzene	5.00	5.22	104	75 - 125	
Bromoform	5.00	4.88	98	70 - 130	
Bromomethane	5.00	3.47	69	30 - 145	
Carbon tetrachloride	5.00	4.00	80	65 - 140	
Carbon disulfide	5.00	3.78	76	35 - 160	
2-Chlorotoluene	5.00	4.47	89	75 - 125	
4-Chlorotoluene	5.00	4.84	97	75 - 130	
Chlorobenzene	5.00	4.99	100	80 - 120	
Chlorobromomethane	5.00	4.54	91	65 - 130	
Chlorodibromomethane	5.00	4.83	97	60 - 135	
Chloroform	5.00	4.49	90	65 - 135	
Chloroethane	5.00	3.77	75	60 - 135	
Chloromethane	5.00	3.40	68	40 - 125	
cis-1,2-Dichloroethene	5.00	4.66	93	70 - 125	
cis-1,3-Dichloropropene	5.00	4.96	99	70 - 130	
Dibromomethane	5.00	4.67	93	75 - 125	
Dichlorobromomethane	5.00	4.51	90	75 - 120	
Dichlorodifluoromethane	5.00	2.71	54	30 - 155	
Ethylbenzene	5.00	5.30	106	75 - 125	
Hexachlorobutadiene	5.00	5.02	100	50 - 140	

Client: FPM Remediations Inc

Job Number: 280-30235-1

Lab Control Sample - Batch: 280-126144

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-126144/6	Analysis Batch:	280-126144	Instrument ID:	MSV_Z
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	Z7877.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	06/29/2012 0729	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	06/29/2012 0729				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Isopropylbenzene	5.00	4.89	98	75 - 125	
Ethylene Dibromide	5.00	4.91	98	80 - 120	
Methylene Chloride	5.00	4.20	84	55 - 140	J
Methyl tert-butyl ether	5.00	4.16	83	65 - 125	J
m-Xylene & p-Xylene	10.0	10.2	102	75 - 130	
Naphthalene	5.00	5.22	104	55 - 140	
n-Butylbenzene	5.00	5.21	104	70 - 135	
N-Propylbenzene	5.00	4.95	99	70 - 130	
o-Xylene	5.00	5.23	105	80 - 120	
Styrene	5.00	5.11	102	65 - 135	
sec-Butylbenzene	5.00	4.87	97	70 - 125	
tert-Butylbenzene	5.00	4.71	94	70 - 130	
trans-1,2-Dichloroethene	5.00	4.38	88	60 - 140	
trans-1,3-Dichloropropene	5.00	4.53	91	55 - 140	
Tetrachloroethene	5.00	5.32	106	45 - 150	
Toluene	5.00	4.90	98	75 - 120	
Trichloroethene	5.00	4.68	94	70 - 125	
Trichlorofluoromethane	5.00	3.10	62	60 - 145	
Vinyl chloride	5.00	3.56	71	50 - 145	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	104	85 - 120
1,2-Dichloroethane-d4 (Surr)	83	70 - 120
4-Bromofluorobenzene (Surr)	88	75 - 120
Dibromofluoromethane (Surr)	87	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30235-1

Method Blank - Batch: 280-126422

Method: 350.1
Preparation: N/A

Lab Sample ID:	MB 280-126422/74	Analysis Batch:	280-126422	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0702NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/02/2012 1507	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Ammonia	0.050	U	0.022	0.10

Method Blank - Batch: 280-126422

Method: 350.1
Preparation: N/A

Lab Sample ID:	MB 280-126422/120	Analysis Batch:	280-126422	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0702NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/02/2012 1616	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Ammonia	0.0249	J	0.022	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126422

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126422/118	Analysis Batch:	280-126422	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0702NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/02/2012 1613	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126422/119	Analysis Batch:	280-126422	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0702NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/02/2012 1614	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	106	107	90 - 110	0	10		

Client: FPM Remediations Inc

Job Number: 280-30235-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126422

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126422/118	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126422/119
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/02/2012 1613			Analysis Date:	07/02/2012 1614
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ammonia	5.00	5.00	5.31	5.33

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126422

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-30235-1	Analysis Batch:	280-126422	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0702NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/02/2012 1638			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30235-1	Analysis Batch:	280-126422	Instrument ID:	WC_Alp 2		
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0702NXNX		
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL		
Analysis Date:	07/02/2012 1640			Final Weight/Volume:	5 mL		
Prep Date:	N/A						
Leach Date:	N/A						

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	78	78	90 - 110	0	20	J	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126422

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-30235-1	Units:	mg/L	MSD Lab Sample ID:	280-30235-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/02/2012 1638			Analysis Date:	07/02/2012 1640
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Ammonia	0.065	J	4.00	4.00	3.18	J	3.17	J

Client: FPM Remediations Inc

Job Number: 280-30235-1

Method Blank - Batch: 280-127378

Method: 351.2
Preparation: 351.2

Lab Sample ID:	MB 280-127378/3-A	Analysis Batch:	280-127390	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127378	Lab File ID:	071112TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/11/2012 2204	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/10/2012 1800				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrogen, Kjeldahl	0.266	J	0.077	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-127378

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 280-127378/1-A	Analysis Batch:	280-127390	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127378	Lab File ID:	071112TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/11/2012 2201	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/10/2012 1800				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-127378/2-A	Analysis Batch:	280-127390	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127378	Lab File ID:	071112TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/11/2012 2202	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/10/2012 1800				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrogen, Kjeldahl	95	95	90 - 110	0	25		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-127378

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 280-127378/1-A	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-127378/2-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/11/2012 2201			Analysis Date:	07/11/2012 2202
Prep Date:	07/10/2012 1800			Prep Date:	07/10/2012 1800
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrogen, Kjeldahl	6.00	6.00	5.71	5.72

Client: FPM Remediations Inc

Job Number: 280-30235-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127378

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	280-30235-1	Analysis Batch:	280-127390	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127378	Lab File ID:	071112TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/11/2012 2206			Final Weight/Volume:	25 mL
Prep Date:	07/10/2012 1800				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30235-1	Analysis Batch:	280-127390	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127378	Lab File ID:	071112TKN.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/11/2012 2207			Final Weight/Volume:	25 mL
Prep Date:	07/10/2012 1800				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrogen, Kjeldahl	84	87	90 - 110	3	25	J	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127378

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	280-30235-1	Units:	mg/L	MSD Lab Sample ID:	280-30235-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/11/2012 2206			Analysis Date:	07/11/2012 2207
Prep Date:	07/10/2012 1800			Prep Date:	07/10/2012 1800
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Nitrogen, Kjeldahl	1.0	3.00	3.00	3.53	J	3.62	J

Client: FPM Remediations Inc

Job Number: 280-30235-1

Method Blank - Batch: 280-124953

Method: 410.4
Preparation: N/A

Lab Sample ID:	MB 280-124953/5	Analysis Batch:	280-124953	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	06/21/2012 0818	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Chemical Oxygen Demand	10	U	4.1	20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-124953

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-124953/3	Analysis Batch:	280-124953	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/21/2012 0818	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-124953/4	Analysis Batch:	280-124953	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/21/2012 0818	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chemical Oxygen Demand	102	101	90 - 110	0	11		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-124953

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-124953/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-124953/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/21/2012 0818			Analysis Date:	06/21/2012 0818
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chemical Oxygen Demand	100	100	102	101

Client: FPM Remediations Inc

Job Number: 280-30235-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-124953

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-30235-1	Analysis Batch:	280-124953	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/21/2012 0818			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30235-1	Analysis Batch:	280-124953	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/21/2012 0818			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chemical Oxygen Demand	92	93	90 - 110	1	11		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-124953

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-30235-1	Units:	mg/L	MSD Lab Sample ID:	280-30235-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/21/2012 0818			Analysis Date:	06/21/2012 0818
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chemical Oxygen Demand	11	J	50.0	50.0	57.4	57.7

Client: FPM Remediations Inc

Job Number: 280-30235-1

Method Blank - Batch: 280-125063

Method: 9056A
Preparation: N/A

Lab Sample ID:	MB 280-125063/7	Analysis Batch:	280-125063	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	116.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 1124	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrate as N	0.10	U	0.042	0.50
Nitrite as N	0.10	U	0.049	0.50
Nitrate Nitrite as N	0.10	U	0.042	0.50
Orthophosphate as P	0.20	U	0.19	0.50

Method Reporting Limit Check - Batch: 280-125063

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-125063/3	Analysis Batch:	280-125063	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 1017	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate as N	0.500	0.501	100	50 - 150	
Nitrite as N	0.500	0.494	99	50 - 150	J
Orthophosphate as P	0.500	0.336	67	50 - 150	J

Client: FPM Remediations Inc

Job Number: 280-30235-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125063

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125063/5	Analysis Batch:	280-125063	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 1051	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125063/6	Analysis Batch:	280-125063	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	115.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 1108	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrate as N	102	102	87 - 110	0	10		
Nitrite as N	98	98	87 - 112	0	10		
Orthophosphate as P	92	96	90 - 110	5	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125063

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125063/5	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125063/6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/20/2012 1051			Analysis Date:	06/20/2012 1108
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrate as N	5.00	5.00	5.09	5.10
Nitrite as N	5.00	5.00	4.89	4.89
Orthophosphate as P	5.00	5.00	4.58	4.81

Client: FPM Remediations Inc

Job Number: 280-30235-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125063

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30235-1	Analysis Batch:	280-125063	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	122.TXT
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 1339			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30235-1	Analysis Batch:	280-125063	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	123.TXT
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 1356			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate as N	110	110	87 - 110	0	10		
Nitrite as N	90	90	87 - 112	0	10		
Orthophosphate as P	114	117	80 - 120	3	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125063

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30235-1	Units:	mg/L	MSD Lab Sample ID:	280-30235-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	2.0			Dilution:	2.0
Analysis Date:	06/20/2012 1339			Analysis Date:	06/20/2012 1356
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitrate as N	1.9		10.0	10.0	12.9	12.9
Nitrite as N	0.20	U	10.0	10.0	8.98	8.97
Orthophosphate as P	0.40	U	10.0	10.0	11.4	11.7

Client: FPM Remediations Inc

Job Number: 280-30235-1

Duplicate - Batch: 280-125063

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30235-1	Analysis Batch:	280-125063	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	121.TXT
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 1322	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Nitrate as N	1.9		1.91	2	15	
Nitrite as N	0.20	U	0.20	NC	15	U
Orthophosphate as P	0.40	U	0.40	NC	15	U

Client: FPM Remediations Inc

Job Number: 280-30235-1

Method Blank - Batch: 280-125064

Method: 9056A
Preparation: N/A

Lab Sample ID:	MB 280-125064/7	Analysis Batch:	280-125064	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	116.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 1124	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Bromide	0.20	U	0.11	0.50
Chloride	0.50	U	0.25	3.0
Fluoride	0.10	U	0.060	1.0
Sulfate	0.50	U	0.23	5.0

Method Reporting Limit Check - Batch: 280-125064

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-125064/4	Analysis Batch:	280-125064	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 1034	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	0.200	0.228	114	50 - 150	
Chloride	1.00	1.08	108	50 - 150	J
Fluoride	0.200	0.189	95	50 - 150	J
Sulfate	1.00	0.899	90	50 - 150	J

Client: FPM Remediations Inc

Job Number: 280-30235-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125064

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125064/5	Analysis Batch:	280-125064	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 1051	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125064/6	Analysis Batch:	280-125064	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	115.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 1108	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bromide	101	101	86 - 110	0	10		
Chloride	102	102	89 - 110	0	10		
Fluoride	102	103	88 - 111	0	10		
Sulfate	102	103	86 - 110	0	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125064

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125064/5	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125064/6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/20/2012 1051			Analysis Date:	06/20/2012 1108
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Bromide	5.00	5.00	5.04	5.05
Chloride	25.0	25.0	25.5	25.5
Fluoride	5.00	5.00	5.12	5.15
Sulfate	25.0	25.0	25.6	25.7

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125064

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30235-1	Analysis Batch:	280-125064	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	122.TXT
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 1339			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30235-1	Analysis Batch:	280-125064	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	123.TXT
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 1356			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromide	110	110	86 - 110	0	10		
Fluoride	104	104	88 - 111	0	10		
Sulfate	105	105	86 - 110	0	10	J	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125064

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30235-1	Analysis Batch:	280-125064	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	143.TXT
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 2005			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30235-1	Analysis Batch:	280-125064	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	144.TXT
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 2022			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	106	105	89 - 110	0	10	J	J

Client: FPM Remediations Inc

Job Number: 280-30235-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125064

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30235-1	Units: mg/L	
Client Matrix:	Water		
Dilution:	2.0		
Analysis Date:	06/20/2012 1339		
Prep Date:	N/A		
Leach Date:	N/A		

MSD Lab Sample ID:	280-30235-1
Client Matrix:	Water
Dilution:	2.0
Analysis Date:	06/20/2012 1356
Prep Date:	N/A
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Bromide	0.34	J	10.0	10.0	11.3		11.3	
Fluoride	0.20	U	10.0	10.0	10.4		10.4	
Sulfate	56		50.0	50.0	108	J	108	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125064

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30235-1	Units: mg/L	
Client Matrix:	Water		
Dilution:	50		
Analysis Date:	06/20/2012 2005		
Prep Date:	N/A		
Leach Date:	N/A		

MSD Lab Sample ID:	280-30235-1
Client Matrix:	Water
Dilution:	50
Analysis Date:	06/20/2012 2022
Prep Date:	N/A
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Chloride	1300		1250	1250	2630	J	2620	J

Client: FPM Remediations Inc

Job Number: 280-30235-1

Duplicate - Batch: 280-125064

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30235-1	Analysis Batch:	280-125064	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	121.TXT
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 1322	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Bromide	0.34	J	0.344	1	15	J
Fluoride	0.20	U	0.20	NC	15	U
Sulfate	56		55.1	1	15	

Duplicate - Batch: 280-125064

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30235-1	Analysis Batch:	280-125064	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	142.TXT
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/20/2012 1949	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chloride	1300	1290	2	15	

Client: FPM Remediations Inc

Job Number: 280-30235-1

Method Blank - Batch: 280-127875

Method: 9060A
Preparation: N/A

Lab Sample ID:	MB 280-127875/5	Analysis Batch:	280-127875	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071312.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/13/2012 1816	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Total Organic Carbon - Quad	0.40	U	0.16	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-127875

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-127875/3	Analysis Batch:	280-127875	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071312.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/13/2012 1738	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-127875/4	Analysis Batch:	280-127875	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071312.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/13/2012 1756	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon - Quad	96	96	86 - 114	0	12		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-127875

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-127875/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-127875/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/13/2012 1738			Analysis Date:	07/13/2012 1756
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon - Quad	25.0	25.0	24.1	24.0

Client: FPM Remediations Inc

Job Number: 280-30235-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127875

Method: 9060A
Preparation: N/A

MS Lab Sample ID:	280-30235-1	Analysis Batch:	280-127875	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071312.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/13/2012 1909			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30235-1	Analysis Batch:	280-127875	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071312.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/13/2012 1927			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon - Quad	96	96	86 - 114	0	12		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127875

Method: 9060A
Preparation: N/A

MS Lab Sample ID:	280-30235-1	Units:	mg/L	MSD Lab Sample ID:	280-30235-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/13/2012 1909			Analysis Date:	07/13/2012 1927
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon - Quad	1.4	25.0	25.0	25.4	25.5

Client: FPM Remediations Inc

Job Number: 280-30235-1

Method Blank - Batch: 280-124983

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	MB 280-124983/1	Analysis Batch:	280-124983	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/20/2012 1330	Units:	PCU	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Color	5.0	U	5.0	5.0

Duplicate - Batch: 280-124983

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	280-30235-1	Analysis Batch:	280-124983	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/20/2012 1330	Units:	PCU	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Color	5.0	U	5.0	NC	20	U

Client: FPM Remediations Inc

Job Number: 280-30235-1

Method Blank - Batch: 280-125394

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	MB 280-125394/33	Analysis Batch:	280-125394	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062312.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/23/2012 1049	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Alkalinity	2.0	U	1.1	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125394

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125394/31	Analysis Batch:	280-125394	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062312.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/23/2012 1040	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125394/32	Analysis Batch:	280-125394	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062312.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/23/2012 1045	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Alkalinity	103	105	90 - 110	2	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125394

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125394/31	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125394/32
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/23/2012 1040			Analysis Date:	06/23/2012 1045
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Alkalinity	200	200	206	211

Client: FPM Remediations Inc

Job Number: 280-30235-1

Method Blank - Batch: 280-127653

Method: SM 2340C
Preparation: N/A

Lab Sample ID:	MB 280-127653/1	Analysis Batch:	280-127653	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 0957	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hardness as calcium carbonate	1.5	U	1.3	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-127653

Method: SM 2340C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-127653/2	Analysis Batch:	280-127653	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 0957	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-127653/3	Analysis Batch:	280-127653	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 0957	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hardness as calcium carbonate	100	99	90 - 110	0	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-127653

Method: SM 2340C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-127653/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-127653/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/13/2012 0957			Analysis Date:	07/13/2012 0957
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Hardness as calcium carbonate	403	403	402	401

Client: FPM Remediations Inc

Job Number: 280-30235-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127653

Method: SM 2340C
Preparation: N/A

MS Lab Sample ID:	280-30235-1	Analysis Batch:	280-127653	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 0957			Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30235-1	Analysis Batch:	280-127653	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 0957			Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hardness as calcium carbonate	111	102	90 - 110	4	10	J	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127653

Method: SM 2340C
Preparation: N/A

MS Lab Sample ID:	280-30235-1	Units:	mg/L	MSD Lab Sample ID:	280-30235-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/13/2012 0957			Analysis Date:	07/13/2012 0957
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual
Hardness as calcium carbonate	410	403	403	852	J	818

Client: FPM Remediations Inc

Job Number: 280-30235-1

Method Blank - Batch: 280-125565

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 280-125565/1	Analysis Batch:	280-125565	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 0759	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Total Dissolved Solids	10	U	4.7	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125565

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125565/2	Analysis Batch:	280-125565	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 0759	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125565/3	Analysis Batch:	280-125565	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 0759	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	96	95	86 - 110	0	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125565

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125565/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125565/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/26/2012 0759			Analysis Date:	06/26/2012 0759
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	502	502	481	479

Client: FPM Remediations Inc

Job Number: 280-30235-1

Duplicate - Batch: 280-125565

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	280-30235-8	Analysis Batch:	280-125565	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 0759	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	670	675	1	10	

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-30235-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-30235-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-126144					
LCS 280-126144/6	Lab Control Sample	T	Water	8260B/DoD	
MB 280-126144/7	Method Blank	T	Water	8260B/DoD	
280-30235-3	775VM1095QA	T	Water	8260B/DoD	
280-30235-6	LF6VM2449QA	T	Water	8260B/DoD	
280-30235-7	LF6VM2544QA	T	Water	8260B/DoD	
280-30235-8	TMCM0919QA	T	Water	8260B/DoD	
280-30235-9EB	061912QE	T	Water	8260B/DoD	
280-30235-10FB	061912QF	T	Water	8260B/DoD	
280-30235-11TB	061912QR	T	Water	8260B/DoD	

Report Basis

T = Total

Client: FPM Remediations Inc

Job Number: 280-30235-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-124953					
LCS 280-124953/3	Lab Control Sample	T	Water	410.4	
LCSD 280-124953/4	Lab Control Sample Duplicate	T	Water	410.4	
MB 280-124953/5	Method Blank	T	Water	410.4	
280-30235-1	LF6M0168QA	T	Water	410.4	
280-30235-1MS	Matrix Spike	T	Water	410.4	
280-30235-1MSD	Matrix Spike Duplicate	T	Water	410.4	
280-30235-2FD	LF6M0168QC	T	Water	410.4	
280-30235-3	775VM1095QA	T	Water	410.4	
280-30235-4	775VM18R90QA	T	Water	410.4	
280-30235-5	775VM20R110QA	T	Water	410.4	
280-30235-6	LF6VM2449QA	T	Water	410.4	
280-30235-7	LF6VM2544QA	T	Water	410.4	
280-30235-8	TMCM0919QA	T	Water	410.4	
280-30235-9EB	061912QE	T	Water	410.4	
Analysis Batch:280-124983					
MB 280-124983/1	Method Blank	T	Water	SM 2120B	
280-30235-1	LF6M0168QA	T	Water	SM 2120B	
280-30235-1DU	Duplicate	T	Water	SM 2120B	
280-30235-2FD	LF6M0168QC	T	Water	SM 2120B	
280-30235-3	775VM1095QA	T	Water	SM 2120B	
280-30235-4	775VM18R90QA	T	Water	SM 2120B	
280-30235-5	775VM20R110QA	T	Water	SM 2120B	
280-30235-6	LF6VM2449QA	T	Water	SM 2120B	
280-30235-7	LF6VM2544QA	T	Water	SM 2120B	
280-30235-8	TMCM0919QA	T	Water	SM 2120B	
280-30235-9EB	061912QE	T	Water	SM 2120B	
Analysis Batch:280-125063					
LCS 280-125063/5	Lab Control Sample	T	Water	9056A	
LCSD 280-125063/6	Lab Control Sample Duplicate	T	Water	9056A	
MB 280-125063/7	Method Blank	T	Water	9056A	
280-30235-1	LF6M0168QA	T	Water	9056A	
280-30235-1DU	Duplicate	T	Water	9056A	
280-30235-1MS	Matrix Spike	T	Water	9056A	
280-30235-1MSD	Matrix Spike Duplicate	T	Water	9056A	
280-30235-2FD	LF6M0168QC	T	Water	9056A	
280-30235-3	775VM1095QA	T	Water	9056A	
280-30235-4	775VM18R90QA	T	Water	9056A	
280-30235-5	775VM20R110QA	T	Water	9056A	
280-30235-6	LF6VM2449QA	T	Water	9056A	
280-30235-7	LF6VM2544QA	T	Water	9056A	
280-30235-8	TMCM0919QA	T	Water	9056A	
280-30235-9EB	061912QE	T	Water	9056A	

Client: FPM Remediations Inc

Job Number: 280-30235-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-125064					
LCS 280-125064/5	Lab Control Sample	T	Water	9056A	
LCSD 280-125064/6	Lab Control Sample Duplicate	T	Water	9056A	
MB 280-125064/7	Method Blank	T	Water	9056A	
280-30235-1	LF6M0168QA	T	Water	9056A	
280-30235-1DU	Duplicate	T	Water	9056A	
280-30235-1MS	Matrix Spike	T	Water	9056A	
280-30235-1MSD	Matrix Spike Duplicate	T	Water	9056A	
280-30235-2FD	LF6M0168QC	T	Water	9056A	
280-30235-3	775VM1095QA	T	Water	9056A	
280-30235-4	775VM18R90QA	T	Water	9056A	
280-30235-5	775VM20R110QA	T	Water	9056A	
280-30235-6	LF6VM2449QA	T	Water	9056A	
280-30235-7	LF6VM2544QA	T	Water	9056A	
280-30235-8	TMCM0919QA	T	Water	9056A	
280-30235-9EB	061912QE	T	Water	9056A	
Analysis Batch:280-125394					
LCS 280-125394/31	Lab Control Sample	T	Water	SM 2320B	
LCSD 280-125394/32	Lab Control Sample Duplicate	T	Water	SM 2320B	
MB 280-125394/33	Method Blank	T	Water	SM 2320B	
280-30235-1	LF6M0168QA	T	Water	SM 2320B	
280-30235-2FD	LF6M0168QC	T	Water	SM 2320B	
280-30235-3	775VM1095QA	T	Water	SM 2320B	
280-30235-4	775VM18R90QA	T	Water	SM 2320B	
280-30235-5	775VM20R110QA	T	Water	SM 2320B	
280-30235-6	LF6VM2449QA	T	Water	SM 2320B	
280-30235-7	LF6VM2544QA	T	Water	SM 2320B	
280-30235-8	TMCM0919QA	T	Water	SM 2320B	
280-30235-9EB	061912QE	T	Water	SM 2320B	
Analysis Batch:280-125565					
LCS 280-125565/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 280-125565/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 280-125565/1	Method Blank	T	Water	SM 2540C	
280-30235-1	LF6M0168QA	T	Water	SM 2540C	
280-30235-2FD	LF6M0168QC	T	Water	SM 2540C	
280-30235-3	775VM1095QA	T	Water	SM 2540C	
280-30235-4	775VM18R90QA	T	Water	SM 2540C	
280-30235-5	775VM20R110QA	T	Water	SM 2540C	
280-30235-6	LF6VM2449QA	T	Water	SM 2540C	
280-30235-7	LF6VM2544QA	T	Water	SM 2540C	
280-30235-8	TMCM0919QA	T	Water	SM 2540C	
280-30235-8DU	Duplicate	T	Water	SM 2540C	
280-30235-9EB	061912QE	T	Water	SM 2540C	

Client: FPM Remediations Inc

Job Number: 280-30235-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-126422					
LCS 280-126422/118	Lab Control Sample	T	Water	350.1	
LCSD 280-126422/119	Lab Control Sample Duplicate	T	Water	350.1	
MB 280-126422/120	Method Blank	T	Water	350.1	
MB 280-126422/74	Method Blank	T	Water	350.1	
280-30235-1	LF6M0168QA	T	Water	350.1	
280-30235-1MS	Matrix Spike	T	Water	350.1	
280-30235-1MSD	Matrix Spike Duplicate	T	Water	350.1	
280-30235-2FD	LF6M0168QC	T	Water	350.1	
280-30235-3	775VM1095QA	T	Water	350.1	
280-30235-4	775VM18R90QA	T	Water	350.1	
280-30235-5	775VM20R110QA	T	Water	350.1	
280-30235-6	LF6VM2449QA	T	Water	350.1	
280-30235-7	LF6VM2544QA	T	Water	350.1	
280-30235-8	TMCM0919QA	T	Water	350.1	
280-30235-9EB	061912QE	T	Water	350.1	
Prep Batch: 280-127378					
LCS 280-127378/1-A	Lab Control Sample	T	Water	351.2	
LCSD 280-127378/2-A	Lab Control Sample Duplicate	T	Water	351.2	
MB 280-127378/3-A	Method Blank	T	Water	351.2	
280-30235-1	LF6M0168QA	T	Water	351.2	
280-30235-1MS	Matrix Spike	T	Water	351.2	
280-30235-1MSD	Matrix Spike Duplicate	T	Water	351.2	
280-30235-2FD	LF6M0168QC	T	Water	351.2	
280-30235-3	775VM1095QA	T	Water	351.2	
280-30235-4	775VM18R90QA	T	Water	351.2	
280-30235-5	775VM20R110QA	T	Water	351.2	
280-30235-6	LF6VM2449QA	T	Water	351.2	
280-30235-7	LF6VM2544QA	T	Water	351.2	
280-30235-8	TMCM0919QA	T	Water	351.2	
280-30235-9EB	061912QE	T	Water	351.2	

Client: FPM Remediations Inc

Job Number: 280-30235-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-127390					
LCS 280-127378/1-A	Lab Control Sample	T	Water	351.2	280-127378
LCSD 280-127378/2-A	Lab Control Sample Duplicate	T	Water	351.2	280-127378
MB 280-127378/3-A	Method Blank	T	Water	351.2	280-127378
280-30235-1	LF6M0168QA	T	Water	351.2	280-127378
280-30235-1MS	Matrix Spike	T	Water	351.2	280-127378
280-30235-1MSD	Matrix Spike Duplicate	T	Water	351.2	280-127378
280-30235-2FD	LF6M0168QC	T	Water	351.2	280-127378
280-30235-3	775VM1095QA	T	Water	351.2	280-127378
280-30235-4	775VM18R90QA	T	Water	351.2	280-127378
280-30235-5	775VM20R110QA	T	Water	351.2	280-127378
280-30235-6	LF6VM2449QA	T	Water	351.2	280-127378
280-30235-7	LF6VM2544QA	T	Water	351.2	280-127378
280-30235-8	TMCM0919QA	T	Water	351.2	280-127378
280-30235-9EB	061912QE	T	Water	351.2	280-127378
Analysis Batch:280-127653					
LCS 280-127653/2	Lab Control Sample	T	Water	SM 2340C	
LCSD 280-127653/3	Lab Control Sample Duplicate	T	Water	SM 2340C	
MB 280-127653/1	Method Blank	T	Water	SM 2340C	
280-30235-1	LF6M0168QA	T	Water	SM 2340C	
280-30235-1MS	Matrix Spike	T	Water	SM 2340C	
280-30235-1MSD	Matrix Spike Duplicate	T	Water	SM 2340C	
280-30235-2FD	LF6M0168QC	T	Water	SM 2340C	
280-30235-3	775VM1095QA	T	Water	SM 2340C	
280-30235-4	775VM18R90QA	T	Water	SM 2340C	
280-30235-5	775VM20R110QA	T	Water	SM 2340C	
280-30235-6	LF6VM2449QA	T	Water	SM 2340C	
280-30235-7	LF6VM2544QA	T	Water	SM 2340C	
280-30235-8	TMCM0919QA	T	Water	SM 2340C	
280-30235-9EB	061912QE	T	Water	SM 2340C	

Client: FPM Remediations Inc

Job Number: 280-30235-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-127875					
LCS 280-127875/3	Lab Control Sample	T	Water	9060A	
LCSD 280-127875/4	Lab Control Sample Duplicate	T	Water	9060A	
MB 280-127875/5	Method Blank	T	Water	9060A	
280-30235-1	LF6M0168QA	T	Water	9060A	
280-30235-1MS	Matrix Spike	T	Water	9060A	
280-30235-1MSD	Matrix Spike Duplicate	T	Water	9060A	
280-30235-2FD	LF6M0168QC	T	Water	9060A	
280-30235-3	775VM1095QA	T	Water	9060A	
280-30235-4	775VM18R90QA	T	Water	9060A	
280-30235-5	775VM20R110QA	T	Water	9060A	
280-30235-6	LF6VM2449QA	T	Water	9060A	
280-30235-7	LF6VM2544QA	T	Water	9060A	
280-30235-8	TMCM0919QA	T	Water	9060A	
280-30235-9EB	061912QE	T	Water	9060A	

Report Basis
T = Total

Client: FPM Remediations Inc

Job Number: 280-30235-1

Laboratory Chronicle

Lab ID: 280-30235-1 **Client ID:** LF6M0168QA

Sample Date/Time: 06/19/2012 15:23 Received Date/Time: 06/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30235-G-1		280-126422		07/02/2012 16:37	1	TAL DEN	BQW
P:351.2	280-30235-G-1-A		280-127390	280-127378	07/10/2012 18:00	1	TAL DEN	MW
A:351.2	280-30235-G-1-A		280-127390	280-127378	07/11/2012 22:05	1	TAL DEN	MW
A:410.4	280-30235-G-1		280-124953		06/21/2012 08:18	1	TAL DEN	MF
A:9056A	280-30235-F-1		280-125063		06/20/2012 13:05	2	TAL DEN	TLP
A:9056A	280-30235-F-1		280-125064		06/20/2012 13:05	2	TAL DEN	TLP
A:9056A	280-30235-F-1		280-125064		06/20/2012 19:32	50	TAL DEN	TLP
A:9060A	280-30235-L-1		280-127875		07/13/2012 18:53	1	TAL DEN	DFB
A:SM 2120B	280-30235-B-1		280-124983		06/20/2012 13:30	1	TAL DEN	DA
A:SM 2320B	280-30235-F-1		280-125394		06/23/2012 11:44	1	TAL DEN	BMG
A:SM 2340C	280-30235-O-1		280-127653		07/13/2012 09:57	1	TAL DEN	AJA
A:SM 2540C	280-30235-B-1		280-125565		06/26/2012 07:59	1	TAL DEN	BJD

Lab ID: 280-30235-1 **Client ID:** LF6M0168QA

Sample Date/Time: 06/19/2012 15:23 Received Date/Time: 06/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30235-G-1 MS		280-126422		07/02/2012 16:38	1	TAL DEN	BQW
P:351.2	280-30235-G-1-B MS		280-127390	280-127378	07/10/2012 18:00	1	TAL DEN	MW
A:351.2	280-30235-G-1-B MS		280-127390	280-127378	07/11/2012 22:06	1	TAL DEN	MW
A:410.4	280-30235-G-1 MS		280-124953		06/21/2012 08:18	1	TAL DEN	MF
A:9056A	280-30235-F-1 MS		280-125063		06/20/2012 13:39	2	TAL DEN	TLP
A:9056A	280-30235-F-1 MS		280-125064		06/20/2012 13:39	2	TAL DEN	TLP
A:9056A	280-30235-F-1 MS		280-125064		06/20/2012 20:05	50	TAL DEN	TLP
A:9060A	280-30235-L-1 MS		280-127875		07/13/2012 19:09	1	TAL DEN	DFB
A:SM 2340C	280-30235-O-1 MS		280-127653		07/13/2012 09:57	1	TAL DEN	AJA

Lab ID: 280-30235-1 **Client ID:** LF6M0168QA

Sample Date/Time: 06/19/2012 15:23 Received Date/Time: 06/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30235-G-1 MSD		280-126422		07/02/2012 16:40	1	TAL DEN	BQW
P:351.2	280-30235-G-1-C MSD		280-127390	280-127378	07/10/2012 18:00	1	TAL DEN	MW
A:351.2	280-30235-G-1-C MSD		280-127390	280-127378	07/11/2012 22:07	1	TAL DEN	MW
A:410.4	280-30235-G-1 MSD		280-124953		06/21/2012 08:18	1	TAL DEN	MF
A:9056A	280-30235-F-1 MSD		280-125063		06/20/2012 13:56	2	TAL DEN	TLP
A:9056A	280-30235-F-1 MSD		280-125064		06/20/2012 13:56	2	TAL DEN	TLP
A:9056A	280-30235-F-1 MSD		280-125064		06/20/2012 20:22	50	TAL DEN	TLP
A:9060A	280-30235-L-1 MSD		280-127875		07/13/2012 19:27	1	TAL DEN	DFB
A:SM 2340C	280-30235-O-1 MSD		280-127653		07/13/2012 09:57	1	TAL DEN	AJA

Client: FPM Remediations Inc

Job Number: 280-30235-1

Laboratory Chronicle

Lab ID: 280-30235-1 DU **Client ID:** LF6M0168QA

Sample Date/Time: 06/19/2012 15:23 Received Date/Time: 06/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9056A	280-30235-F-1 DU		280-125063		06/20/2012 13:22	2	TAL DEN	TLP
A:9056A	280-30235-F-1 DU		280-125064		06/20/2012 13:22	2	TAL DEN	TLP
A:9056A	280-30235-F-1 DU		280-125064		06/20/2012 19:49	50	TAL DEN	TLP
A:SM 2120B	280-30235-B-1 DU		280-124983		06/20/2012 13:30	1	TAL DEN	DA

Lab ID: 280-30235-2 **Client ID:** LF6M0168QC

Sample Date/Time: 06/19/2012 15:23 Received Date/Time: 06/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30235-C-2		280-126422		07/02/2012 16:41	1	TAL DEN	BQW
P:351.2	280-30235-C-2-A		280-127390	280-127378	07/10/2012 18:00	1	TAL DEN	MW
A:351.2	280-30235-C-2-A		280-127390	280-127378	07/11/2012 22:16	1	TAL DEN	MW
A:410.4	280-30235-C-2		280-124953		06/21/2012 08:18	1	TAL DEN	MF
A:9056A	280-30235-B-2		280-125063		06/20/2012 14:13	2	TAL DEN	TLP
A:9056A	280-30235-B-2		280-125064		06/20/2012 14:13	2	TAL DEN	TLP
A:9056A	280-30235-B-2		280-125064		06/20/2012 20:39	50	TAL DEN	TLP
A:9060A	280-30235-D-2		280-127875		07/13/2012 19:46	1	TAL DEN	DFB
A:SM 2120B	280-30235-A-2		280-124983		06/20/2012 13:30	1	TAL DEN	DA
A:SM 2320B	280-30235-B-2		280-125394		06/23/2012 11:49	1	TAL DEN	BMG
A:SM 2340C	280-30235-E-2		280-127653		07/13/2012 09:57	1	TAL DEN	AJA
A:SM 2540C	280-30235-A-2		280-125565		06/26/2012 07:59	1	TAL DEN	BJD

Lab ID: 280-30235-3 **Client ID:** 775VM1095QA

Sample Date/Time: 06/19/2012 11:39 Received Date/Time: 06/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30235-H-3		280-126144		06/29/2012 10:50	1	TAL DEN	GPM
A:8260B/DoD	280-30235-H-3		280-126144		06/29/2012 10:50	1	TAL DEN	GPM
A:350.1	280-30235-C-3		280-126422		07/02/2012 16:43	1	TAL DEN	BQW
P:351.2	280-30235-C-3-A		280-127390	280-127378	07/10/2012 18:00	1	TAL DEN	MW
A:351.2	280-30235-C-3-A		280-127390	280-127378	07/11/2012 22:18	1	TAL DEN	MW
A:410.4	280-30235-C-3		280-124953		06/21/2012 08:18	1	TAL DEN	MF
A:9056A	280-30235-B-3		280-125063		06/20/2012 14:29	1	TAL DEN	TLP
A:9056A	280-30235-B-3		280-125064		06/20/2012 14:29	1	TAL DEN	TLP
A:9056A	280-30235-B-3		280-125064		06/20/2012 20:56	5	TAL DEN	TLP
A:9060A	280-30235-D-3		280-127875		07/13/2012 20:05	1	TAL DEN	DFB
A:SM 2120B	280-30235-A-3		280-124983		06/20/2012 13:30	1	TAL DEN	DA
A:SM 2320B	280-30235-B-3		280-125394		06/23/2012 11:53	1	TAL DEN	BMG
A:SM 2340C	280-30235-E-3		280-127653		07/13/2012 09:57	1	TAL DEN	AJA
A:SM 2540C	280-30235-A-3		280-125565		06/26/2012 07:59	1	TAL DEN	BJD

Client: FPM Remediations Inc

Job Number: 280-30235-1

Laboratory Chronicle

Lab ID: 280-30235-4 **Client ID:** 775VM18R90QA

Sample Date/Time: 06/19/2012 10:49 Received Date/Time: 06/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30235-C-4		280-126422		07/02/2012 16:44	1	TAL DEN	BQW
P:351.2	280-30235-C-4-A		280-127390	280-127378	07/10/2012 18:00	1	TAL DEN	MW
A:351.2	280-30235-C-4-A		280-127390	280-127378	07/11/2012 22:19	1	TAL DEN	MW
A:410.4	280-30235-C-4		280-124953		06/21/2012 08:18	1	TAL DEN	MF
A:9056A	280-30235-B-4		280-125063		06/20/2012 14:46	1	TAL DEN	TLP
A:9056A	280-30235-B-4		280-125064		06/20/2012 14:46	1	TAL DEN	TLP
A:9056A	280-30235-B-4		280-125064		06/20/2012 21:13	10	TAL DEN	TLP
A:9060A	280-30235-D-4		280-127875		07/13/2012 20:20	1	TAL DEN	DFB
A:SM 2120B	280-30235-A-4		280-124983		06/20/2012 13:30	1	TAL DEN	DA
A:SM 2320B	280-30235-B-4		280-125394		06/23/2012 11:59	1	TAL DEN	BMG
A:SM 2340C	280-30235-E-4		280-127653		07/13/2012 09:57	1	TAL DEN	AJA
A:SM 2540C	280-30235-A-4		280-125565		06/26/2012 07:59	1	TAL DEN	BJD

Lab ID: 280-30235-5 **Client ID:** 775VM20R110QA

Sample Date/Time: 06/19/2012 14:07 Received Date/Time: 06/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30235-C-5		280-126422		07/02/2012 16:46	1	TAL DEN	BQW
P:351.2	280-30235-C-5-A		280-127390	280-127378	07/10/2012 18:00	1	TAL DEN	MW
A:351.2	280-30235-C-5-A		280-127390	280-127378	07/11/2012 22:20	1	TAL DEN	MW
A:410.4	280-30235-C-5		280-124953		06/21/2012 08:18	1	TAL DEN	MF
A:9056A	280-30235-B-5		280-125063		06/20/2012 15:37	1	TAL DEN	TLP
A:9056A	280-30235-B-5		280-125064		06/20/2012 15:37	1	TAL DEN	TLP
A:9056A	280-30235-B-5		280-125064		06/20/2012 21:29	5	TAL DEN	TLP
A:9060A	280-30235-D-5		280-127875		07/13/2012 20:36	1	TAL DEN	DFB
A:SM 2120B	280-30235-A-5		280-124983		06/20/2012 13:30	1	TAL DEN	DA
A:SM 2320B	280-30235-B-5		280-125394		06/23/2012 12:04	1	TAL DEN	BMG
A:SM 2340C	280-30235-E-5		280-127653		07/13/2012 09:57	1	TAL DEN	AJA
A:SM 2540C	280-30235-A-5		280-125565		06/26/2012 07:59	1	TAL DEN	BJD

Client: FPM Remediations Inc Job Number: 280-30235-1

Laboratory Chronicle

Lab ID: 280-30235-6 **Client ID:** LF6VM2449QA

Sample Date/Time: 06/19/2012 15:32 Received Date/Time: 06/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30235-G-6		280-126144		06/29/2012 11:12	1	TAL DEN	GPM
A:8260B/DoD	280-30235-G-6		280-126144		06/29/2012 11:12	1	TAL DEN	GPM
A:350.1	280-30235-C-6		280-126422		07/02/2012 16:47	1	TAL DEN	BQW
P:351.2	280-30235-C-6-A		280-127390	280-127378	07/10/2012 18:00	1	TAL DEN	MW
A:351.2	280-30235-C-6-A		280-127390	280-127378	07/11/2012 22:21	1	TAL DEN	MW
A:410.4	280-30235-C-6		280-124953		06/21/2012 08:18	1	TAL DEN	MF
A:9056A	280-30235-B-6		280-125063		06/20/2012 15:53	1	TAL DEN	TLP
A:9056A	280-30235-B-6		280-125064		06/20/2012 15:53	1	TAL DEN	TLP
A:9056A	280-30235-B-6		280-125064		06/20/2012 21:46	10	TAL DEN	TLP
A:9060A	280-30235-D-6		280-127875		07/13/2012 20:51	1	TAL DEN	DFB
A:SM 2120B	280-30235-A-6		280-124983		06/20/2012 13:30	1	TAL DEN	DA
A:SM 2320B	280-30235-B-6		280-125394		06/23/2012 12:08	1	TAL DEN	BMG
A:SM 2340C	280-30235-E-6		280-127653		07/13/2012 09:57	1	TAL DEN	AJA
A:SM 2540C	280-30235-A-6		280-125565		06/26/2012 07:59	1	TAL DEN	BJD

Lab ID: 280-30235-7 **Client ID:** LF6VM2544QA

Sample Date/Time: 06/19/2012 11:44 Received Date/Time: 06/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30235-H-7		280-126144		06/29/2012 11:33	1	TAL DEN	GPM
A:8260B/DoD	280-30235-H-7		280-126144		06/29/2012 11:33	1	TAL DEN	GPM
A:350.1	280-30235-C-7		280-126422		07/02/2012 16:49	1	TAL DEN	BQW
P:351.2	280-30235-C-7-A		280-127390	280-127378	07/10/2012 18:00	1	TAL DEN	MW
A:351.2	280-30235-C-7-A		280-127390	280-127378	07/11/2012 22:23	1	TAL DEN	MW
A:410.4	280-30235-C-7		280-124953		06/21/2012 08:18	1	TAL DEN	MF
A:9056A	280-30235-B-7		280-125063		06/20/2012 16:10	1	TAL DEN	TLP
A:9056A	280-30235-B-7		280-125064		06/20/2012 16:10	1	TAL DEN	TLP
A:9060A	280-30235-D-7		280-127875		07/13/2012 21:06	1	TAL DEN	DFB
A:SM 2120B	280-30235-A-7		280-124983		06/20/2012 13:30	1	TAL DEN	DA
A:SM 2320B	280-30235-B-7		280-125394		06/23/2012 12:13	1	TAL DEN	BMG
A:SM 2340C	280-30235-E-7		280-127653		07/13/2012 09:57	1	TAL DEN	AJA
A:SM 2540C	280-30235-A-7		280-125565		06/26/2012 07:59	1	TAL DEN	BJD

Client: FPM Remediations Inc

Job Number: 280-30235-1

Laboratory Chronicle

Lab ID: 280-30235-8 **Client ID:** TMCM0919QA

Sample Date/Time: 06/19/2012 12:48 Received Date/Time: 06/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30235-G-8		280-126144		06/29/2012 11:55	1	TAL DEN	GPM
A:8260B/DoD	280-30235-G-8		280-126144		06/29/2012 11:55	1	TAL DEN	GPM
A:350.1	280-30235-C-8		280-126422		07/02/2012 16:50	1	TAL DEN	BQW
P:351.2	280-30235-C-8-A		280-127390	280-127378	07/10/2012 18:00	1	TAL DEN	MW
A:351.2	280-30235-C-8-A		280-127390	280-127378	07/11/2012 22:24	1	TAL DEN	MW
A:410.4	280-30235-C-8		280-124953		06/21/2012 08:18	1	TAL DEN	MF
A:9056A	280-30235-B-8		280-125063		06/20/2012 16:27	1	TAL DEN	TLP
A:9056A	280-30235-B-8		280-125064		06/20/2012 16:27	1	TAL DEN	TLP
A:9056A	280-30235-B-8		280-125064		06/20/2012 22:03	5	TAL DEN	TLP
A:9060A	280-30235-D-8		280-127875		07/13/2012 22:01	1	TAL DEN	DFB
A:SM 2120B	280-30235-A-8		280-124983		06/20/2012 13:30	1	TAL DEN	DA
A:SM 2320B	280-30235-B-8		280-125394		06/23/2012 12:18	1	TAL DEN	BMG
A:SM 2340C	280-30235-E-8		280-127653		07/13/2012 09:57	1	TAL DEN	AJA
A:SM 2540C	280-30235-A-8		280-125565		06/26/2012 07:59	1	TAL DEN	BJD

Lab ID: 280-30235-8 DU **Client ID:** TMCM0919QA

Sample Date/Time: 06/19/2012 12:48 Received Date/Time: 06/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2540C	280-30235-A-8 DU		280-125565		06/26/2012 07:59	1	TAL DEN	BJD

Lab ID: 280-30235-9 **Client ID:** 061912QE

Sample Date/Time: 06/19/2012 12:51 Received Date/Time: 06/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30235-H-9		280-126144		06/29/2012 12:16	1	TAL DEN	GPM
A:8260B/DoD	280-30235-H-9		280-126144		06/29/2012 12:16	1	TAL DEN	GPM
A:350.1	280-30235-C-9		280-126422		07/02/2012 17:02	1	TAL DEN	BQW
P:351.2	280-30235-C-9-A		280-127390	280-127378	07/10/2012 18:00	1	TAL DEN	MW
A:351.2	280-30235-C-9-A		280-127390	280-127378	07/11/2012 22:25	1	TAL DEN	MW
A:410.4	280-30235-C-9		280-124953		06/21/2012 08:18	1	TAL DEN	MF
A:9056A	280-30235-B-9		280-125063		06/20/2012 16:44	1	TAL DEN	TLP
A:9056A	280-30235-B-9		280-125064		06/20/2012 16:44	1	TAL DEN	TLP
A:9060A	280-30235-D-9		280-127875		07/13/2012 22:18	1	TAL DEN	DFB
A:SM 2120B	280-30235-A-9		280-124983		06/20/2012 13:30	1	TAL DEN	DA
A:SM 2320B	280-30235-B-9		280-125394		06/23/2012 12:22	1	TAL DEN	BMG
A:SM 2340C	280-30235-E-9		280-127653		07/13/2012 09:57	1	TAL DEN	AJA
A:SM 2540C	280-30235-A-9		280-125565		06/26/2012 07:59	1	TAL DEN	BJD

Client: FPM Remediations Inc

Job Number: 280-30235-1

Laboratory Chronicle

Lab ID: 280-30235-10 **Client ID:** 061912QF

Sample Date/Time: 06/19/2012 13:25 Received Date/Time: 06/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30235-C-10		280-126144		06/29/2012 12:37	1	TAL DEN	GPM
A:8260B/DoD	280-30235-C-10		280-126144		06/29/2012 12:37	1	TAL DEN	GPM

Lab ID: 280-30235-11 **Client ID:** 061912QR

Sample Date/Time: 06/19/2012 08:45 Received Date/Time: 06/20/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30235-B-11		280-126144		06/29/2012 12:59	1	TAL DEN	GPM
A:8260B/DoD	280-30235-B-11		280-126144		06/29/2012 12:59	1	TAL DEN	GPM

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 280-126144/7		280-126144		06/29/2012 07:50	1	TAL DEN	GPM
A:8260B/DoD	MB 280-126144/7		280-126144		06/29/2012 07:50	1	TAL DEN	GPM
A:350.1	MB 280-126422/74		280-126422		07/02/2012 15:07	1	TAL DEN	BQW
A:350.1	MB 280-126422/120		280-126422		07/02/2012 16:16	1	TAL DEN	BQW
P:351.2	MB 280-127378/3-A		280-127390	280-127378	07/10/2012 18:00	1	TAL DEN	MW
A:351.2	MB 280-127378/3-A		280-127390	280-127378	07/11/2012 22:04	1	TAL DEN	MW
A:410.4	MB 280-124953/5		280-124953		06/21/2012 08:18	1	TAL DEN	MF
A:9056A	MB 280-125063/7		280-125063		06/20/2012 11:24	1	TAL DEN	TLP
A:9056A	MB 280-125064/7		280-125064		06/20/2012 11:24	1	TAL DEN	TLP
A:9060A	MB 280-127875/5		280-127875		07/13/2012 18:16	1	TAL DEN	DFB
A:SM 2120B	MB 280-124983/1		280-124983		06/20/2012 13:30	1	TAL DEN	DA
A:SM 2320B	MB 280-125394/33		280-125394		06/23/2012 10:49	1	TAL DEN	BMG
A:SM 2340C	MB 280-127653/1		280-127653		07/13/2012 09:57	1	TAL DEN	AJA
A:SM 2540C	MB 280-125565/1		280-125565		06/26/2012 07:59	1	TAL DEN	BJD

Client: FPM Remediations Inc

Job Number: 280-30235-1

Laboratory Chronicle

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-126144/6		280-126144		06/29/2012 07:29	1	TAL DEN	GPM
A:8260B/DoD	LCS 280-126144/6		280-126144		06/29/2012 07:29	1	TAL DEN	GPM
A:350.1	LCS 280-126422/118		280-126422		07/02/2012 16:13	1	TAL DEN	BQW
P:351.2	LCS 280-127378/1-A		280-127390	280-127378	07/10/2012 18:00	1	TAL DEN	MW
A:351.2	LCS 280-127378/1-A		280-127390	280-127378	07/11/2012 22:01	1	TAL DEN	MW
A:410.4	LCS 280-124953/3		280-124953		06/21/2012 08:18	1	TAL DEN	MF
A:9056A	LCS 280-125063/5		280-125063		06/20/2012 10:51	1	TAL DEN	TLP
A:9056A	LCS 280-125064/5		280-125064		06/20/2012 10:51	1	TAL DEN	TLP
A:9060A	LCS 280-127875/3		280-127875		07/13/2012 17:38	1	TAL DEN	DFB
A:SM 2320B	LCS 280-125394/31		280-125394		06/23/2012 10:40	1	TAL DEN	BMG
A:SM 2340C	LCS 280-127653/2		280-127653		07/13/2012 09:57	1	TAL DEN	AJA
A:SM 2540C	LCS 280-125565/2		280-125565		06/26/2012 07:59	1	TAL DEN	BJD

Lab ID: LCSD **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	LCSD 280-126422/119		280-126422		07/02/2012 16:14	1	TAL DEN	BQW
P:351.2	LCSD 280-127378/2-A		280-127390	280-127378	07/10/2012 18:00	1	TAL DEN	MW
A:351.2	LCSD 280-127378/2-A		280-127390	280-127378	07/11/2012 22:02	1	TAL DEN	MW
A:410.4	LCSD 280-124953/4		280-124953		06/21/2012 08:18	1	TAL DEN	MF
A:9056A	LCSD 280-125063/6		280-125063		06/20/2012 11:08	1	TAL DEN	TLP
A:9056A	LCSD 280-125064/6		280-125064		06/20/2012 11:08	1	TAL DEN	TLP
A:9060A	LCSD 280-127875/4		280-127875		07/13/2012 17:56	1	TAL DEN	DFB
A:SM 2320B	LCSD 280-125394/32		280-125394		06/23/2012 10:45	1	TAL DEN	BMG
A:SM 2340C	LCSD 280-127653/3		280-127653		07/13/2012 09:57	1	TAL DEN	AJA
A:SM 2540C	LCSD 280-125565/3		280-125565		06/26/2012 07:59	1	TAL DEN	BJD

Lab ID: MRL **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9056A	MRL 280-125063/3		280-125063		06/20/2012 10:17	1	TAL DEN	TLP
A:9056A	MRL 280-125064/4		280-125064		06/20/2012 10:34	1	TAL DEN	TLP

Lab References:

TAL DEN = TestAmerica Denver

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Alk daily lcs_00252	06/24/12	06/23/12	Di Water, Lot na	1000 mL	Alk stk std_00003	4 mg/L	Alkalinity	200 mg/L
.Alk stk std_00003	02/01/13		Fischer, Lot 110214		(Purchased Reagent)		Alkalinity	50 g/L
COD cal std_00014	10/31/13		Ricca, Lot 1204273		(Purchased Reagent)		Chemical Oxygen Demand	1000 mg/L
COD icv std_00009	05/31/13		HACH, Lot A2132		(Purchased Reagent)		Chemical Oxygen Demand	1000 mg/L
cod ms/msd_00006	02/01/13		Chemetrics, Lot 78777		(Purchased Reagent)		Chemical Oxygen Demand	10000 mg/L
Hard lcs std_00022	01/19/14		Lab Chem, Lot B017-22		(Purchased Reagent)		Hardness as calcium carbonate	1.008 mg/mL
IC CAL INT1_00159	06/26/12	06/19/12	Di Water, Lot na	100 mL	IC Br cal_00005	5 mL	Bromide	50 mg/L
					IC CL cal_00008	25 mL	Chloride	250 mg/L
					IC FL cal_00004	5 mL	Fluoride	50 mg/L
					IC N02 CAL_00020	5 mL	Nitrite as N	50 mg/L
					IC N03 cal_00008	5 mL	Nitrate as N	50 mg/L
					IC P04 cal_00008	5 mL	Orthophosphate as P	50 mg/L
					IC sulfatecal_00007	25 mL	Sulfate	250 mg/L
.IC Br cal_00005	07/30/12		Ricca, Lot 4101497		(Purchased Reagent)		Bromide	1000 mg/L
.IC CL cal_00008	09/30/12		Ricca, Lot 1103357		(Purchased Reagent)		Chloride	1000 mg/L
.IC FL cal_00004	11/30/12		Ricca, Lot 4106066		(Purchased Reagent)		Fluoride	1000 mg/L
.IC N02 CAL_00020	08/31/12		RICCA, Lot 1202582		(Purchased Reagent)		Nitrite as N	1000 ppm
.IC N03 cal_00008	11/30/12		Ricca, Lot 1105365		(Purchased Reagent)		Nitrate as N	1000 mg/L
.IC P04 cal_00008	09/30/13		Ricca, Lot 4110047		(Purchased Reagent)		Orthophosphate as P	1000 mg/L
.IC sulfatecal_00007	01/31/13		RICCA, Lot 2108045		(Purchased Reagent)		Sulfate	1000 mg/L
IC daily cal_00819	06/21/12	06/20/12	Di Water, Lot na	100 mL	IC CAL INT1_00159	10 mL	Bromide	5 mg/L
							Chloride	25 mg/L
							Fluoride	5 mg/L
							Nitrite as N	5 mg/L
							Nitrate as N	5 mg/L
							Orthophosphate as P	5 mg/L
							Sulfate	25 mg/L
.IC CAL INT1_00159	06/26/12	06/19/12	Di Water, Lot na	100 mL	IC Br cal_00005	5 mL	Bromide	50 mg/L
					IC CL cal_00008	25 mL	Chloride	250 mg/L
					IC FL cal_00004	5 mL	Fluoride	50 mg/L
					IC N02 CAL_00020	5 mL	Nitrite as N	50 mg/L
					IC N03 cal_00008	5 mL	Nitrate as N	50 mg/L
					IC P04 cal_00008	5 mL	Orthophosphate as P	50 mg/L
					IC sulfatecal_00007	25 mL	Sulfate	250 mg/L
..IC Br cal_00005	07/30/12		Ricca, Lot 4101497		(Purchased Reagent)		Bromide	1000 mg/L
..IC CL cal_00008	09/30/12		Ricca, Lot 1103357		(Purchased Reagent)		Chloride	1000 mg/L
..IC FL cal_00004	11/30/12		Ricca, Lot 4106066		(Purchased Reagent)		Fluoride	1000 mg/L
..IC N02 CAL_00020	08/31/12		RICCA, Lot 1202582		(Purchased Reagent)		Nitrite as N	1000 ppm
..IC N03 cal_00008	11/30/12		Ricca, Lot 1105365		(Purchased Reagent)		Nitrate as N	1000 mg/L
..IC P04 cal_00008	09/30/13		Ricca, Lot 4110047		(Purchased Reagent)		Orthophosphate as P	1000 mg/L
..IC sulfatecal_00007	01/31/13		RICCA, Lot 2108045		(Purchased Reagent)		Sulfate	1000 mg/L
IC ICV daily_00819	06/21/12	06/20/12	Di Water, Lot na	25 mL	IC ICV weekly_00153	1 mL	Bromide	2 mg/L
							Chloride	10 mg/L
							Fluoride	2 mg/L
							Nitrite as N	2 mg/L
							Nitrate as N	2 mg/L
							Orthophosphate as P	2 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Sulfate	10 mg/L
.IC ICV weekly_00153	06/26/12	06/19/12	Di Water, Lot na	10 mL	IC BR ICV_00005	0.5 mL	Bromide	50 mg/L
					IC CL ICV_00004	2.5 mL	Chloride	250 mg/L
					IC F ICV_00003	0.5 mL	Fluoride	50 mg/L
					IC NO2 ICV_00004	0.5 mL	Nitrite as N	50 mg/L
					IC NO3 ICV_00003	0.5 mL	Nitrate as N	50 mg/L
					IC PO4 ICV_00006	0.5 mL	Orthophosphate as P	50 mg/L
					IC SO4 ICV_00004	2.5 mL	Sulfate	250 mg/L
..IC BR ICV_00005	02/28/13	SPEX, Lot 2-89br-2			(Purchased Reagent)		Bromide	1000 mg/L
..IC CL ICV_00004	07/15/13	LAB CHEM, Lot A195-13			(Purchased Reagent)		Chloride	1000 mg/L
..IC F ICV_00003	06/28/12	LAB CHEM, Lot 0169-19			(Purchased Reagent)		Fluoride	1000 mg/L
..IC NO2 ICV_00004	06/29/13	ERA, Lot 250611			(Purchased Reagent)		Nitrite as N	1000 mg/L
..IC NO3 ICV_00003	11/09/12	LAB CHEM, Lot 0312-12			(Purchased Reagent)		Nitrate as N	1000 mg/L
..IC PO4 ICV_00006	01/17/13	LAB CHEM, Lot A014-13			(Purchased Reagent)		Orthophosphate as P	1000 mg/L
..IC SO4 ICV_00004	07/15/13	LAB CHEM, Lot A195-12			(Purchased Reagent)		Sulfate	1000 mg/L
ICMS/MSD WEEK_00145	06/26/12	06/19/12	Di Water, Lot NA	10 mL	IC SPK 6 ANIO_00011	5 mL	Bromide	499.962 mg/L
							Chloride	2499.92 mg/L
							Fluoride	499.957 mg/L
							Nitrate as N	499.995 mg/L
							Orthophosphate as P	500.069 mg/L
							Sulfate	2500.26 mg/L
					IC SPK N02SOL_00005	5 mL	Nitrite as N	499.973 mg/L
.IC SPK 6 ANIO_00011	08/13/12	02/07/12	Di Water, Lot NA	1000 mL	IC MS/MSD Br_00003	1.2877 g	Bromide	999.925 mg/L
					IC MS/MSD CL_00001	8.2424 g	Chloride	4999.84 mg/L
					IC MS/MSD F_00002	2.21 g	Fluoride	999.914 mg/L
					IC MS/MSD N03_00003	6.0679 g	Nitrate as N	999.99 mg/L
					IC MS/MSD P04_00001	4.3937 g	Orthophosphate as P	1000.14 mg/L
					IC MS/MSD S04_00002	9.0704 g	Sulfate	5000.51 mg/L
..IC MS/MSD Br_00003	09/29/21	FISHER, Lot 110569			(Purchased Reagent)		Bromide	0.77652 g/g
..IC MS/MSD CL_00001	05/22/13	FISHER, Lot C32068			(Purchased Reagent)		Chloride	0.6066 g/g
..IC MS/MSD F_00002	09/29/21	FISHER, Lot 110901			(Purchased Reagent)		Fluoride	0.45245 g/g
..IC MS/MSD N03_00003	10/02/16	FISHER, Lot 035600			(Purchased Reagent)		Nitrate as N	0.1648 g/g
..IC MS/MSD P04_00001	04/24/17	FISHER, Lot 063408			(Purchased Reagent)		Orthophosphate as P	0.22763 g/g
..IC MS/MSD S04_00002	02/21/14	BAKER, Lot G29146			(Purchased Reagent)		Sulfate	0.5513 g/g
.IC SPK N02SOL_00005	02/07/13	02/07/12	Di Water, Lot na	500 mL	IC MS/MSD N02_00001	2.4628 g	Nitrite as N	999.946 mg/L
..IC MS/MSD N02_00001	06/09/17	fisher, Lot 041304			(Purchased Reagent)		Nitrite as N	0.20301 g/g
MV-2 Cleve_00012	10/28/12	04/28/12	P&T Methanol, Lot DE977	10 mL	MV-30265_00015	200 uL	2-Chloroethyl vinyl ether	40 ug/mL
.MV-30265_00015	01/31/16	RESTEK, Lot A079020			(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
MV-524 A_00014	09/30/12	03/14/12	Methanol, Lot df233	10 mL	MV-DWM589N_00041	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-EPA1208_00027	400 uL	1-Chlorohexane	40 ug/mL
					MV-STS440_00035	200 uL	Methyl tert-butyl ether	40 ug/mL
.MV-DWM589N_00041	12/31/13		Ultra Scientific, Lot CG-3928		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-EPA1208_00027	10/31/12	Ultra Scientific, Lot CF-3752			(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
.MV-STS440_00035	01/31/15	Ultra, Lot cc-4444			(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MV-624 A_00018	12/19/12	06/19/12	Methanol, Lot DF369	10 mL	MV-30462_00012	0.2 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
					MV-567117_00001	0.2 mL	Carbon disulfide	40 ug/mL
.MV-30462_00012	11/30/13		Restek, Lot A077815		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
.MV-567117_00001	05/31/14		RESTEK, Lot A088372		(Purchased Reagent)		Carbon disulfide	2000 ug/mL
MV-Acetates_00001	09/30/12	06/21/12	P&T Methanol, Lot DG256	10 mL	MV-cus14016_00001	200 uL	Methyl acetate	200 ug/mL
.MV-cus14016_00001	09/30/12		ULTRA, Lot CJ-2028		(Purchased Reagent)		Methyl acetate	10000 ug/mL
MV-Archon IS_00510	11/14/12		Supelco, Lot LB88967		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
MV-Archon SS_00643	11/14/12		Restek, Lot A087857		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
MV-Main GasKe_00029	06/22/12	05/22/12	P&T Methanol, Lot DF369	10 mL	MV- Acrolein_00010	100 uL	Acrolein	397.818 ug/mL
					MV-5M06036_00033	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-861149_00048	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
					MV-861149_00049	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
.MV- Acrolein_00010	06/22/12	12/22/11	P&T Methanol, Lot De997	5 mL	MV-48501_00005	0.2038 g	Acrolein	39781.8 ug/mL
..MV-48501_00005	06/30/12		Supelco, Lot LB85669v		(Purchased Reagent)		Acrolein	0.976 mL/mL
.MV-5M06036_00033	11/30/12		Supelco, Lot LB86965		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-861149_00048	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
.MV-861149_00049	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexanone	20000 ug/mL
MV-Main GasKe_00031	07/30/12	05/22/12	P&T Methanol, Lot DF369	10 mL	MV-5M06036_00033	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-861149_00048	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-861149_00049	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
.MV-5M06036_00033	11/30/12		Supelco, Lot LB86965		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-861149_00048	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
.MV-861149_00049	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
MV-Main_00023	06/30/12	01/25/12	P&T Methanol, Lot de997	10 mL	MV-1-Ch Hex_00008	10.2 uL	1-Chlorohexane	39.944 ug/mL
					MV-502111_00024	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloroethene, Total	80 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
							Xylenes, Total	120 ug/mL
					MV-506052_00025	200 uL	Iodomethane	40 ug/mL
					MV-861145_00020	200 uL	2-Chloro-1,3-butadiene	40 ug/mL
					MV-CUS11338_00029	500 uL	1,4-Dioxane	2000 ug/mL
							2-Methyl-2-propanol	800 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Isobutyl alcohol	800 ug/mL
							Isopropyl ether	200 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
					MV-CUS11338_00030	500 uL	1,4-Dioxane	2000 ug/mL
							2-Methyl-2-propanol	800 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Isobutyl alcohol	800 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl ether	200 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
.MV-1-Ch Hex_00008	07/25/12	01/25/12	P&T Methanol, Lot dd946	5 mL	MV-442258_00002	0.196 g	1-Chlorohexane	39160.8 ug/mL
..MV-442258_00002	07/31/13		Supelco, Lot LB77927		(Purchased Reagent)		1-Chlorohexane	0.999 mL/mL
.MV-502111_00024	04/30/13		Supelco, Lot LB83949		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	6000 ug/mL
.MV-506052_00025	01/31/13		Supelco, Lot LB89742		(Purchased Reagent)		Iodomethane	2000 ug/mL
.MV-861145_00020	06/30/12		Supelco, Lot LB85068		(Purchased Reagent)		2-Chloro-1,3-butadiene	2000 ug/mL
.MV-CUS11338_00029	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							2-Methyl-2-propanol	8000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Isobutyl alcohol	8000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	4000 ug/mL
							Propionitrile	4000 ug/mL
.MV-CUS11338_00030	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							2-Methyl-2-propanol	8000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Isobutyl alcohol	8000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	4000 ug/mL
							Propionitrile	4000 ug/mL
MV-SecSrc B_00007	10/18/12	04/18/12	P&T Methanol, Lot df233	5 mL	MV-8240CR310x_00014	100 uL	1,4-Dioxane	800 ug/mL
.MV-8240CR310x_00014	10/25/13		AccuStandard, Lot 210041266		(Purchased Reagent)		1,4-Dioxane	40000 ug/mL
MV-SS GasKe_00020	12/01/12	06/01/12	P&T Methanol, Lot De997	10 mL	MV-30006_00035	320 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-5s06036_00018	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MV-30006_00035	04/30/14		Restek, Lot A079446		(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
.MV-5s06036_00018	02/28/15		Supelco, Lot LB92231		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MV-SS Supp_00011	05/20/12	02/17/12	P&T Methanol, Lot de997	5 mL	MV-562811_00013	100 uL	Methyl acetate	200 ug/mL
					MV-564150_00011	100 uL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
.MV-562811_00013	07/31/13		RESTEK, Lot A086189		(Purchased Reagent)		Methyl acetate	10000 ug/mL
.MV-564150_00011	05/30/12		RESTEK, Lot A081643		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
MV-Supp Std_00023	12/19/12	05/17/12	P&T Methanol, Lot DF700	10 mL	MV-562811_00013	200 uL	Ethyl acetate	80 ug/mL
							Methyl acetate	200 ug/mL
							Vinyl acetate	80 ug/mL
					MV-564150_00012	200 uL	1,1,1-Trifluoro-2,2-dichloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							2-Nitropropane	40 ug/mL
							2-Pentanone	160 ug/mL
							3-Chloro-1-propene	40 ug/mL
							Carbon disulfide	40 ug/mL
							cis-1,4-Dichloro-2-butene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dichlorofluoromethane	40 ug/mL
							Ethyl ether	40 ug/mL
							Ethyl methacrylate	80 ug/mL
							Hexane	40 ug/mL
							Isopropyl alcohol	800 ug/mL
							Methyl methacrylate	80 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							Tert-amyl methyl ether	200 ug/mL
							Tert-butyl ethyl ether	200 ug/mL
							Tetrahydrofuran	80 ug/mL
							trans-1,4-Dichloro-2-butene	40 ug/mL
					MV-CUS13060_00013	240 uL	sec-Butyl Alcohol	1205.76 ug/mL
.MV-562811_00013	07/31/13		RESTEK, Lot A086189		(Purchased Reagent)		Ethyl acetate	4000 ug/mL
							Methyl acetate	10000 ug/mL
							Vinyl acetate	4000 ug/mL
.MV-564150_00012	01/30/13		RESTEK, Lot A086228		(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							2-Nitropropane	2000 ug/mL
							2-Pentanone	8000 ug/mL
							3-Chloro-1-propene	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	2000 ug/mL
							cis-1,4-Dichloro-2-butene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	4000 ug/mL
							Hexane	2000 ug/mL
							Isopropyl alcohol	40000 ug/mL
							Methyl methacrylate	4000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Tert-amyl methyl ether	10000 ug/mL
							Tert-butyl ethyl ether	10000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
.MV-CUS13060_00013	05/31/13		Ultra, Lot CH-1383		(Purchased Reagent)		sec-Butyl Alcohol	50240 ug/mL
MV-Supp Std_00025	10/02/12	06/19/12	P&T Methanol, Lot DF700	10 mL	MV-CUS14015_00001	200 uL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
.MV-CUS14015_00001	07/31/13		Ultra, Lot CJ-2219		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
NXN CAL INT_00154	07/09/12	07/02/12	Di Water, Lot NA	100 mL	NH3 CAL STD_00014	10 mg/L	Ammonia	100 mg/L
.NH3 CAL STD_00014	02/28/13		Ricca, Lot 1108313		(Purchased Reagent)		Ammonia	1000 mg/L
NXN ICV INT_00148	07/09/12	07/02/12	Di Water, Lot NA	100 mL	NH3 ICV STD_00011	10 mg/L	Ammonia	100 mg/L
.NH3 ICV STD_00011	01/27/14		LAB CHEM, Lot b025-07		(Purchased Reagent)		Ammonia	1000 mg/L
TDS LCS_00279	09/25/12	06/25/12	Di Water, Lot na	1000 mL	NaCl f_00004	0.5018 g	Total Dissolved Solids	501.8 mg/L
.NaCl f_00004	04/14/21		JT Baker, Lot J48622		(Purchased Reagent)		Total Dissolved Solids	1 g/g
TKN 25ppm_00096	07/11/12	07/10/12	Di Water, Lot 1	100 mL	TKN 100PPM_00008	25 mL	Nitrogen, Kjeldahl	25 mg/L
.TKN 100PPM_00008	08/16/12	06/16/12	Di Water, Lot 1	500 mL	TKN CAL STD_00003	50 mL	Nitrogen, Kjeldahl	100 mg/L
..TKN CAL STD_00003	06/24/13		Lab Chem, Lot A174-20		(Purchased Reagent)		Nitrogen, Kjeldahl	1000 mg/L
TKN ICV_00003	12/31/14		ERA, Lot P200-525		(Purchased Reagent)		Nitrogen, Kjeldahl	9.92 mg/L
TOC ICV Std_00012	01/31/13		Ricca, Lot 1201330		(Purchased Reagent)		Total Organic Carbon - Quad	1000 ppm
TOC LCS Std_00013	11/30/13		Ultra Scientific, Lot M01122		(Purchased Reagent)		Total Organic Carbon - Quad	1000 ppm

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB LF6 LTM

TestAmerica Job ID: 280-30235-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alabama	State Program	4	40730
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAC	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAC	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAC	7	E-10166
TestAmerica Denver	Louisiana	NELAC	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAC	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Jersey	NELAC	2	CO004
TestAmerica Denver	New Mexico	State Program	6	N/A
TestAmerica Denver	New York	NELAC	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAC	10	CO200001
TestAmerica Denver	Pennsylvania	NELAC	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Tennessee	State Program	4	TN02944
TestAmerica Denver	Texas	NELAC	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-08-00036
TestAmerica Denver	Utah	NELAC	8	QUAN5
TestAmerica Denver	Virginia	NELAC	3	
TestAmerica Denver	Washington	State Program	10	C1284
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
775VM1095QA	280-30235-3	96	90	106	102
LF6VM2449QA	280-30235-6	89	84	96	93
LF6VM2544QA	280-30235-7	85	82	94	91
TMCM0919QA	280-30235-8	85	82	93	89
061912QE	280-30235-9	98	91	108	106
061912QF	280-30235-10	87	82	97	95
061912QR	280-30235-11	86	82	97	91
	MB 280-126144/7	86	80	92	89
	LCS 280-126144/6	87	83	104	88

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z7877.D

Lab ID: LCS 280-126144/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.80	96	80-130	
1,1,1-Trichloroethane	5.00	4.11	82	65-130	
1,2,3-Trichloropropane	5.00	4.50	90	75-125	
1,2,3-Trichlorobenzene	5.00	5.06	101	55-140	
1,1-Dichloroethane	5.00	4.31	86	70-135	
1,2,4-Trichlorobenzene	5.00	5.11	102	65-135	
1,2-Dibromo-3-Chloropropane	5.00	4.87 J	97	50-130	
1,1-Dichloropropene	5.00	4.61	92	75-130	
1,1-Dichloroethene	5.00	4.50	90	70-130	
1,1,2-Trichloroethane	5.00	4.62	92	75-125	
1,1,2,2-Tetrachloroethane	5.00	5.15	103	65-130	
1,2,4-Trimethylbenzene	5.00	4.73	95	75-130	
1,2-Dichlorobenzene	5.00	4.82	96	70-120	
1,2-Dichloroethane	5.00	4.31	86	70-130	
1,3-Dichlorobenzene	5.00	4.90	98	75-125	
1,3-Dichloropropane	5.00	5.22	104	75-125	
1,3,5-Trimethylbenzene	5.00	4.78	96	75-130	
2-Butanone (MEK)	20.0	16.3	81	30-150	
1,4-Dichlorobenzene	5.00	4.95	99	75-125	
1,2-Dichloropropane	5.00	4.94	99	75-125	
2,2-Dichloropropane	5.00	4.53	91	70-135	
2-Hexanone	20.0	18.9	95	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	19.1	96	60-135	
4-Isopropyltoluene	5.00	4.61	92	75-130	
Benzene	5.00	4.82	96	80-120	
Acetone	20.0	18.5	92	40-140	
Bromobenzene	5.00	5.22	104	75-125	
Bromoform	5.00	4.88	98	70-130	
Bromomethane	5.00	3.47	69	30-145	
Carbon tetrachloride	5.00	4.00	80	65-140	
Carbon disulfide	5.00	3.78	76	35-160	
2-Chlorotoluene	5.00	4.47	89	75-125	
4-Chlorotoluene	5.00	4.84	97	75-130	
Chlorobenzene	5.00	4.99	100	80-120	
Chlorobromomethane	5.00	4.54	91	65-130	
Chlorodibromomethane	5.00	4.83	97	60-135	
Chloroform	5.00	4.49	90	65-135	
Chloroethane	5.00	3.77	75	60-135	
Chloromethane	5.00	3.40	68	40-125	
cis-1,2-Dichloroethene	5.00	4.66	93	70-125	
cis-1,3-Dichloropropene	5.00	4.96	99	70-130	
Dibromomethane	5.00	4.67	93	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z7877.D

Lab ID: LCS 280-126144/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorobromomethane	5.00	4.51	90	75-120	
Dichlorodifluoromethane	5.00	2.71	54	30-155	
Ethylbenzene	5.00	5.30	106	75-125	
Hexachlorobutadiene	5.00	5.02	100	50-140	
Isopropylbenzene	5.00	4.89	98	75-125	
Ethylene Dibromide	5.00	4.91	98	80-120	
Methylene Chloride	5.00	4.20 J	84	55-140	
Methyl tert-butyl ether	5.00	4.16 J	83	65-125	
m-Xylene & p-Xylene	10.0	10.2	102	75-130	
Naphthalene	5.00	5.22	104	55-140	
n-Butylbenzene	5.00	5.21	104	70-135	
N-Propylbenzene	5.00	4.95	99	70-130	
o-Xylene	5.00	5.23	105	80-120	
Styrene	5.00	5.11	102	65-135	
sec-Butylbenzene	5.00	4.87	97	70-125	
tert-Butylbenzene	5.00	4.71	94	70-130	
trans-1,2-Dichloroethene	5.00	4.38	88	60-140	
trans-1,3-Dichloropropene	5.00	4.53	91	55-140	
Tetrachloroethene	5.00	5.32	106	45-150	
Toluene	5.00	4.90	98	75-120	
Trichloroethene	5.00	4.68	94	70-125	
Trichlorofluoromethane	5.00	3.10	62	60-145	
Vinyl chloride	5.00	3.56	71	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Lab File ID: Z7878.D Lab Sample ID: MB 280-126144/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: MSV_Z Date Analyzed: 06/29/2012 07:50

GC Column: DB-624 (75.53) ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-126144/6	Z7877.D	06/29/2012 07:29
775VM1095QA	280-30235-3	Z7886.D	06/29/2012 10:50
LF6VM2449QA	280-30235-6	Z7887.D	06/29/2012 11:12
LF6VM2544QA	280-30235-7	Z7888.D	06/29/2012 11:33
TMCM0919QA	280-30235-8	Z7889.D	06/29/2012 11:55
061912QE	280-30235-9	Z7890.D	06/29/2012 12:16
061912QF	280-30235-10	Z7891.D	06/29/2012 12:37
061912QR	280-30235-11	Z7892.D	06/29/2012 12:59

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Lab File ID: Z7127.D BFB Injection Date: 06/11/2012

Instrument ID: MSV_Z BFB Injection Time: 10:51

Analysis Batch No.: 123533

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.0	
75	30.0 - 60.0 % of mass 95	48.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.0	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	61.5	
175	5.0 - 9.0 % of mass 174	4.5	(7.4)1
176	95.0 - 101.0 % of mass 174	60.5	(98.2)1
177	5.0 - 9.0 % of mass 176	4.1	(6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-123533/2	Z7128.D	06/11/2012	10:59
	IC 280-123533/3	Z7129.D	06/11/2012	11:21
	IC 280-123533/4	Z7130.D	06/11/2012	11:42
	ICIS 280-123533/5	Z7131.D	06/11/2012	12:03
	IC 280-123533/6	Z7132.D	06/11/2012	12:25
	IC 280-123533/7	Z7133.D	06/11/2012	12:46
	ICV 280-123533/8	Z7134.D	06/11/2012	13:07
	IC 280-123533/9	Z7135.D	06/11/2012	13:29
	IC 280-123533/10	Z7136.D	06/11/2012	13:50
	IC 280-123533/11	Z7137.D	06/11/2012	14:11
	IC 280-123533/12	Z7138.D	06/11/2012	14:33
	IC 280-123533/13	Z7139.D	06/11/2012	14:54
	IC 280-123533/14	Z7140.D	06/11/2012	15:15
	IC 280-123533/15	Z7141.D	06/11/2012	15:37
	ICV 280-123533/16	Z7142.D	06/11/2012	15:58
	ICV 280-123533/17	Z7143.D	06/11/2012	16:19
	ICV 280-123533/18	Z7144.D	06/11/2012	16:41

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Lab File ID: Z7145.D BFB Injection Date: 06/11/2012

Instrument ID: MSV_Z BFB Injection Time: 23:51

Analysis Batch No.: 123534

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.6	
75	30.0 - 60.0 % of mass 95	47.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.9	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	62.1	
175	5.0 - 9.0 % of mass 174	4.6	(7.5)1
176	95.0 - 101.0 % of mass 174	60.7	(97.7)1
177	5.0 - 9.0 % of mass 176	4.3	(7.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 280-123534/2	Z7146.D	06/12/2012	00:11

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Lab File ID: Z7872.D BFB Injection Date: 06/29/2012

Instrument ID: MSV_Z BFB Injection Time: 05:57

Analysis Batch No.: 126144

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.7	
75	30.0 - 60.0 % of mass 95	44.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	68.4	
175	5.0 - 9.0 % of mass 174	5.0	(7.3)1
176	95.0 - 101.0 % of mass 174	66.9	(97.8)1
177	5.0 - 9.0 % of mass 176	4.4	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-126144/2	Z7873.D	06/29/2012	06:03
	CCV 280-126144/3	Z7874.D	06/29/2012	06:25
	CCV 280-126144/4	Z7875.D	06/29/2012	06:46
	LCS 280-126144/6	Z7877.D	06/29/2012	07:29
	MB 280-126144/7	Z7878.D	06/29/2012	07:50
775VM1095QA	280-30235-3	Z7886.D	06/29/2012	10:50
LF6VM2449QA	280-30235-6	Z7887.D	06/29/2012	11:12
LF6VM2544QA	280-30235-7	Z7888.D	06/29/2012	11:33
TMCM0919QA	280-30235-8	Z7889.D	06/29/2012	11:55
061912QE	280-30235-9	Z7890.D	06/29/2012	12:16
061912QF	280-30235-10	Z7891.D	06/29/2012	12:37
061912QR	280-30235-11	Z7892.D	06/29/2012	12:59

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Sample No.: ICIS 280-123533/5 Date Analyzed: 06/11/2012 12:03

Instrument ID: MSV_Z GC Column: DB-624 (75.53) ID: 0.53(mm)

Lab File ID (Standard): Z7131.D Heated Purge: (Y/N) N

Calibration ID: 9582

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		912076	4.77	208964	9.20	304398	13.22
UPPER LIMIT		1824152	5.27	417928	9.70	608796	13.72
LOWER LIMIT		456038	4.27	104482	8.70	152199	12.72
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-123533/8		1050715	4.77	238465	9.21	327233	13.22
ICV 280-123533/16		1088018	4.77	273058	9.20	397465	13.22
ICV 280-123533/17		982037	4.78	216059	9.20	356103	13.22
ICV 280-123533/18		1125787	4.77	231068	9.20	339276	13.24
ICV 280-123534/2		1060586	4.75	229359	9.19	369521	13.21
CCV 280-126144/2		866520	4.76	176390	9.20	288637	13.20
CCV 280-126144/3		906620	4.77	192480	9.20	291366	13.22
CCV 280-126144/4		881644	4.78	179945	9.20	300489	13.20
LCS 280-126144/6		925389	4.77	188127	9.20	321949	13.20
MB 280-126144/7		930716	4.78	203575	9.21	302999	13.23
280-30235-3	775VM1095QA	802306	4.78	171394	9.22	250586	13.24
280-30235-6	LF6VM2449QA	878868	4.78	189093	9.22	278226	13.24
280-30235-7	LF6VM2544QA	886972	4.78	189591	9.21	280224	13.23
280-30235-8	TMCM0919QA	907377	4.78	194479	9.22	291406	13.24
280-30235-9	061912QE	776284	4.78	165005	9.22	238975	13.24
280-30235-10	061912QF	843089	4.78	178487	9.22	257562	13.24
280-30235-11	061912QR	883834	4.78	183862	9.21	279145	13.23

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: 775VM1095QA | Lab Sample ID: 280-30235-3

Matrix: Water | Lab File ID: Z7886.D

Analysis Method: 8260B/DoD | Date Collected: 06/19/2012 11:39

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 10:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.36	J	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: 775VM1095QA | Lab Sample ID: 280-30235-3

Matrix: Water | Lab File ID: Z7886.D

Analysis Method: 8260B/DoD | Date Collected: 06/19/2012 11:39

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 10:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.33	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	42		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Client Sample ID: 775VM1095QA Lab Sample ID: 280-30235-3

Matrix: Water Lab File ID: Z7886.D

Analysis Method: 8260B/DoD Date Collected: 06/19/2012 11:39

Sample wt/vol: 20(mL) Date Analyzed: 06/29/2012 10:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126144 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	106		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		70-120
460-00-4	4-Bromofluorobenzene (Surr)	102		75-120
1868-53-7	Dibromofluoromethane (Surr)	96		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\Z7886.D
Lab Smp Id: 280-30235-H-3 Client Smp ID: 775VM1095QA
Inj Date : 29-JUN-2012 10:50
Operator : MEIERG Inst ID: Z.i
Smp Info : 280-30235-h-3,,PH<2
Misc Info : 280-30235-H-3
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\8260B-H2O.m
Meth Date : 29-Jun-2012 11:05 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 62 Fluorobenzene	96	4.781	4.777	(1.000)	802306	12.5000		
* 86 Chlorobenzene-d5	119	9.218	9.197	(1.000)	171394	12.5000		
* 111 1,4-Dichlorobenzene-d4	152	13.238	13.199	(1.000)	250586	12.5000		(Q)
$ 51 Dibromofluoromethane (Surr)	111	3.981	3.965	(0.833)	383662	8.66288	8.66288	
$ 56 1,2-Dichloroethane-d4	65	4.363	4.330	(0.913)	169547	8.09448	8.09448	
$ 75 Toluene-d8	98	6.974	6.958	(0.757)	819420	9.56180	9.56180	
$ 98 4-Bromofluorobenzene (Surr)	95	11.219	11.204	(0.848)	415581	9.21491	9.21491	
M 1 1,2-Dichloroethene (total)	96	Compound Not Detected.						
M 2 Xylene (total)	106	Compound Not Detected.						
6 dichlorodifluoromethane	85	Compound Not Detected.						
8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.						
7 Chloromethane	50	Compound Not Detected.						
9 Vinyl Chloride	62	Compound Not Detected.						
11 Ethylene Oxide	43	Compound Not Detected.						
12 Bromomethane	94	Compound Not Detected.						
13 Chloroethane	64	Compound Not Detected.						
14 Dichlorofluoromethane	67	Compound Not Detected.						
16 Trichlorofluoromethane	101	Compound Not Detected.						
17 Ethyl Ether	59	Compound Not Detected.						
19 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.						
20 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.						
21 Acrolein	56	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
23 1,1-Dichloroethene	96	Compound Not Detected.					
24 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
39 Allyl Chloride	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
28 Methylene Chloride	84	2.380	2.376	(0.498)	8156	0.33191	0.331915(a)
30 tert-Butyl alcohol	59	Compound Not Detected.					
31 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
34 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
35 Vinyl Acetate	43	Compound Not Detected.					
37 Isopropyl ether	87	Compound Not Detected.					
38 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
42 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
41 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
49 2-Butanol	45	Compound Not Detected.					
46 Methacrylonitrile	41	Compound Not Detected.					
47 Bromochloromethane	128	Compound Not Detected.					
48 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	3.807	3.785	(0.796)	5719	0.10953	0.109525(aQ)
52 1,1,1-Trichloroethane	97	4.033	4.029	(0.844)	19202	0.36181	0.361814(a)
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
59 Benzene	78	Compound Not Detected.					
57 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	5.268	5.247	(1.102)	1456020	41.7442	41.7442
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
67 Dibromomethane	93	Compound Not Detected.					
68 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
84 Dibromochloromethane	129	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
85	1,2-Dibromoethane	107	Compound Not Detected.					
88	1-Chlorohexane	91	Compound Not Detected.					
87	Chlorobenzene	112	Compound Not Detected.					
89	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90	Ethylbenzene	106	Compound Not Detected.					
91	m and p-Xylene	106	Compound Not Detected.					
92	o-Xylene	106	Compound Not Detected.					
93	Styrene	104	Compound Not Detected.					
94	Bromoform	173	Compound Not Detected.					
95	isopropyl benzene	105	Compound Not Detected.					
96	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97	Cyclohexanone	55	Compound Not Detected.					
99	Bromobenzene	156	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	1,2,3-Trichloropropane	110	Compound Not Detected.					
102	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103	n-Propylbenzene	120	Compound Not Detected.					
104	2-Chlorotoluene	126	Compound Not Detected.					
106	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
105	4-Chlorotoluene	126	Compound Not Detected.					
107	tert-Butylbenzene	119	Compound Not Detected.					
108	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109	sec-Butylbenzene	134	Compound Not Detected.					
110	1,3-Dichlorobenzene	146	Compound Not Detected.					
112	4-Isopropyltoluene	119	Compound Not Detected.					
113	1,4-dichlorobenzene	146	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
115	1,2-Dichlorobenzene	146	Compound Not Detected.					
117	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119	Hexachlorobutadiene	225	Compound Not Detected.					
120	Naphthalene	128	Compound Not Detected.					
121	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

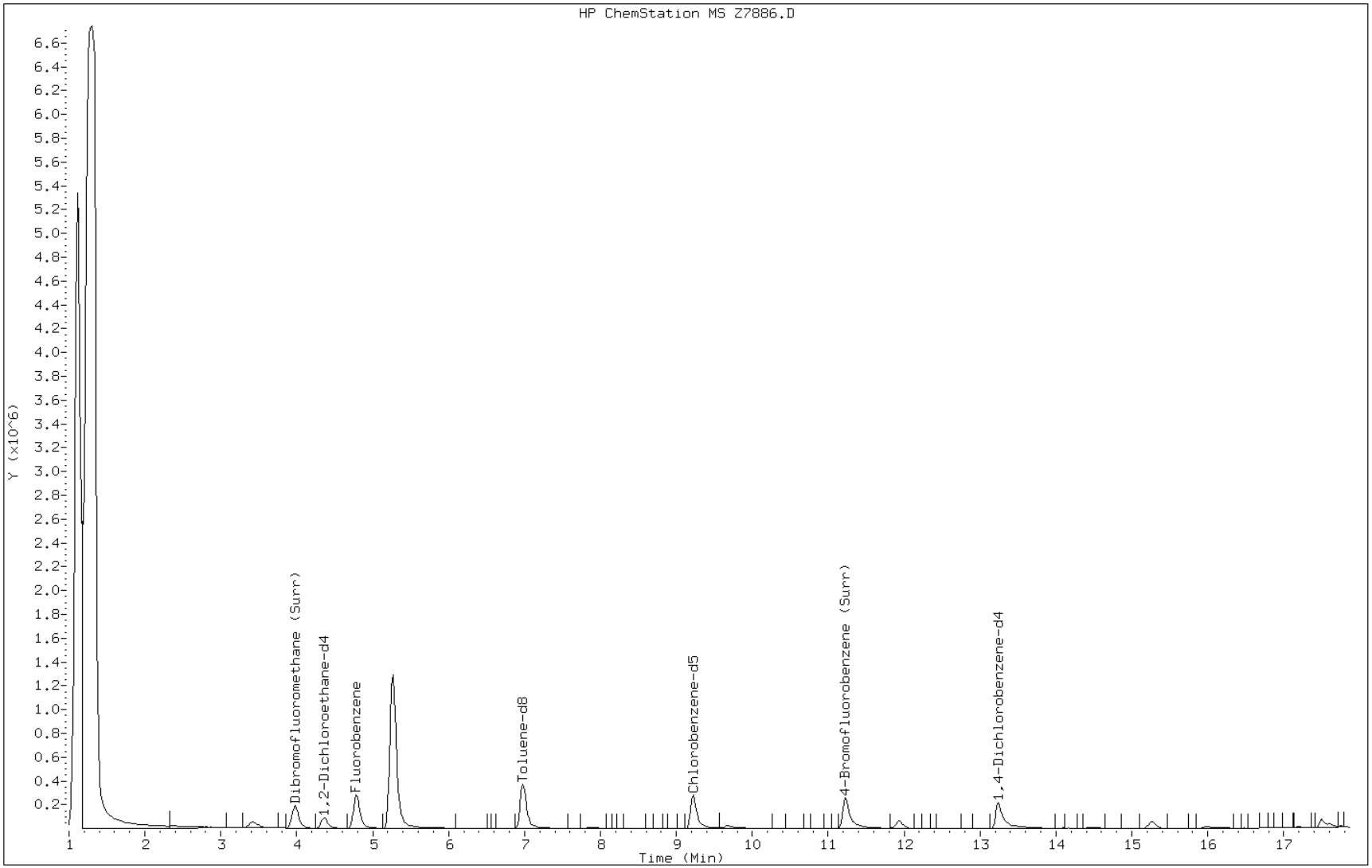
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Z7886.D

Date: 29-JUN-2012 10:50

Client ID: 775VM1095QA Instrument: Z.i

Sample Info: 280-30235-h-3,,PH<2 Operator: MEIERG



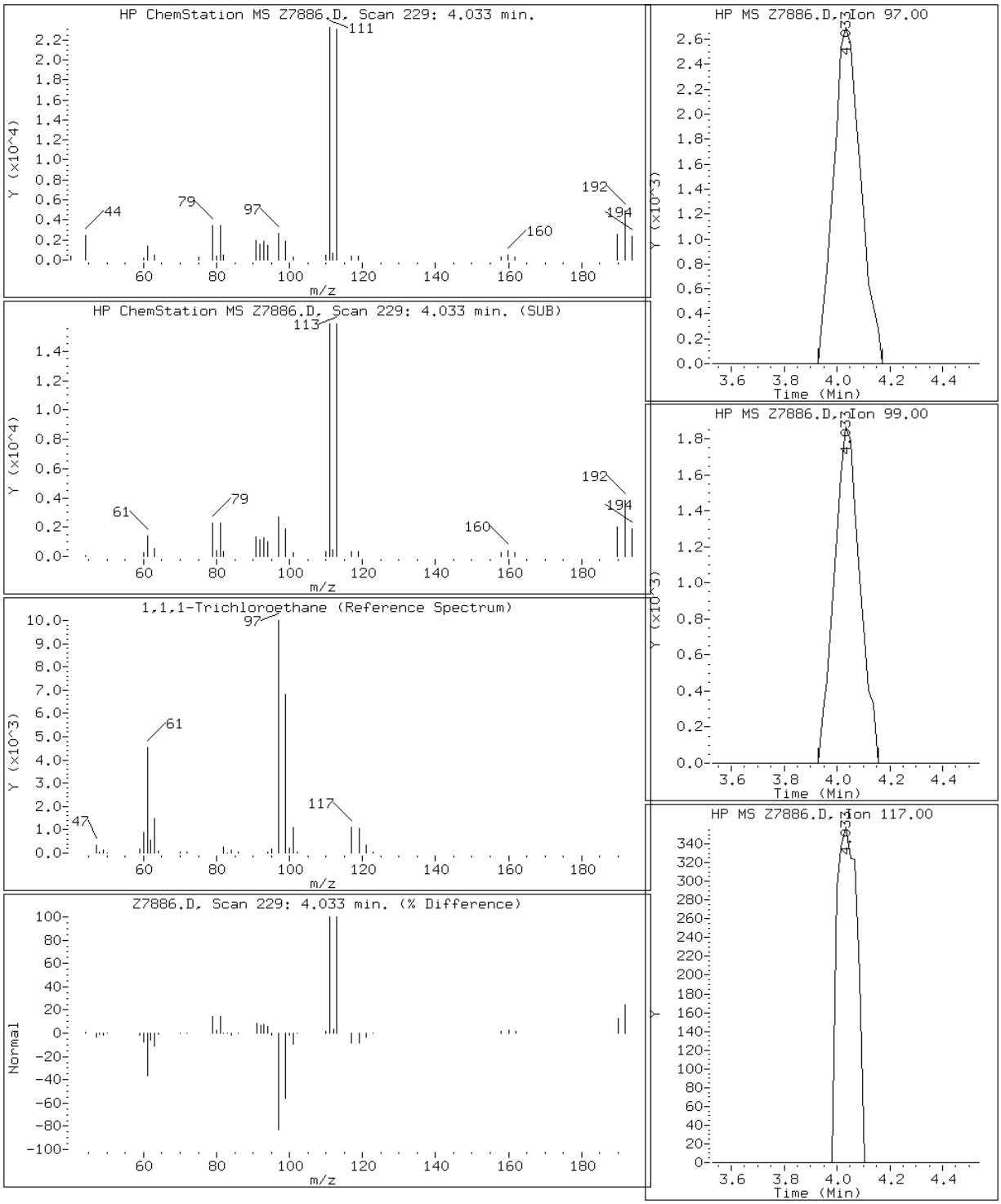
Data File: Z7886.D

Date: 29-JUN-2012 10:50

Client ID: 775VM1095QA Instrument: Z.i

Sample Info: 280-30235-h-3,,PH<2 Operator: MEIERG

52 1,1,1-Trichloroethane



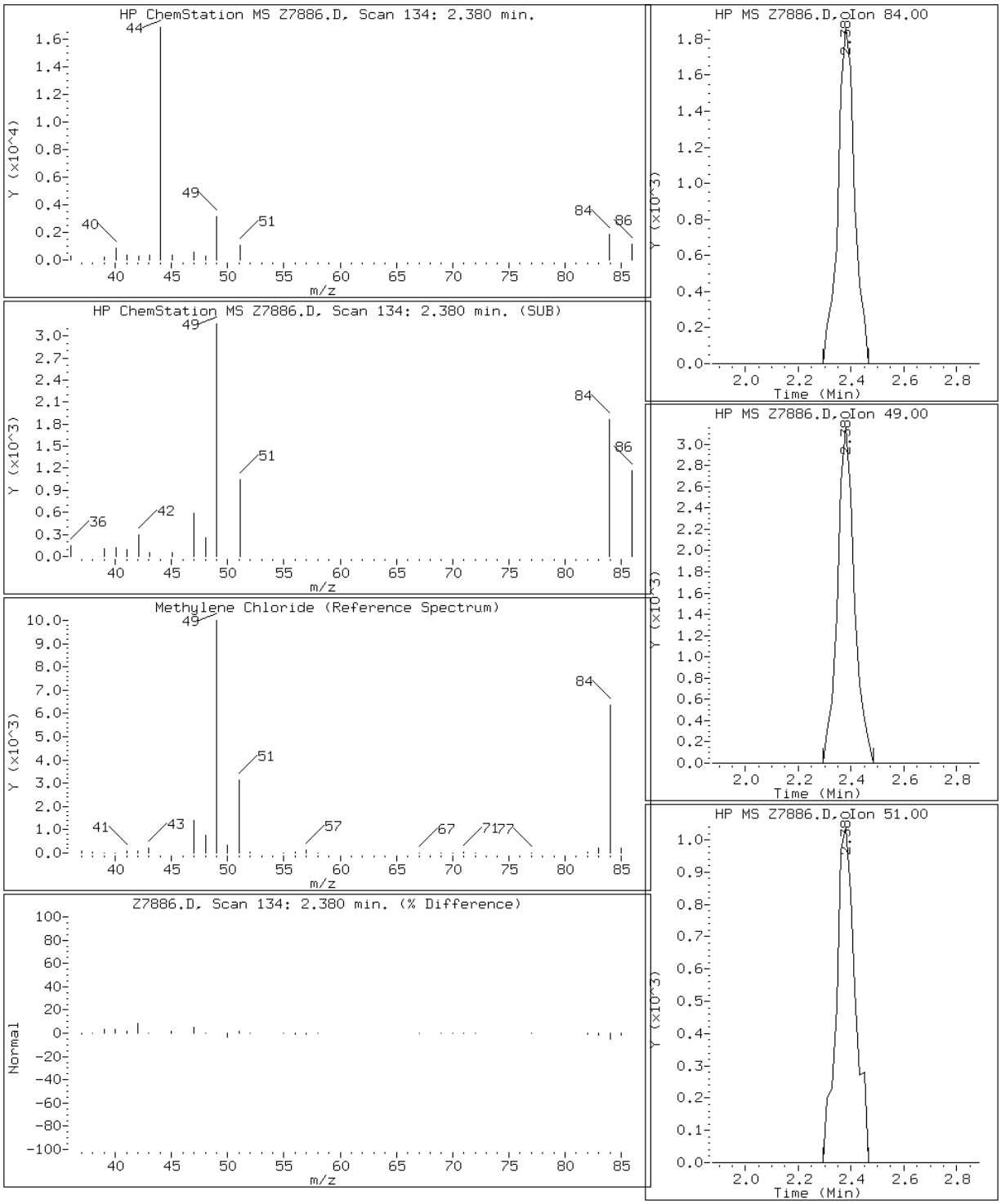
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Date: 29-JUN-2012 10:50

Client ID: 775VM1095QA Instrument: Z.i

Sample Info: 280-30235-h-3,,PH<2 Operator: MEIERG

28 Methylene Chloride



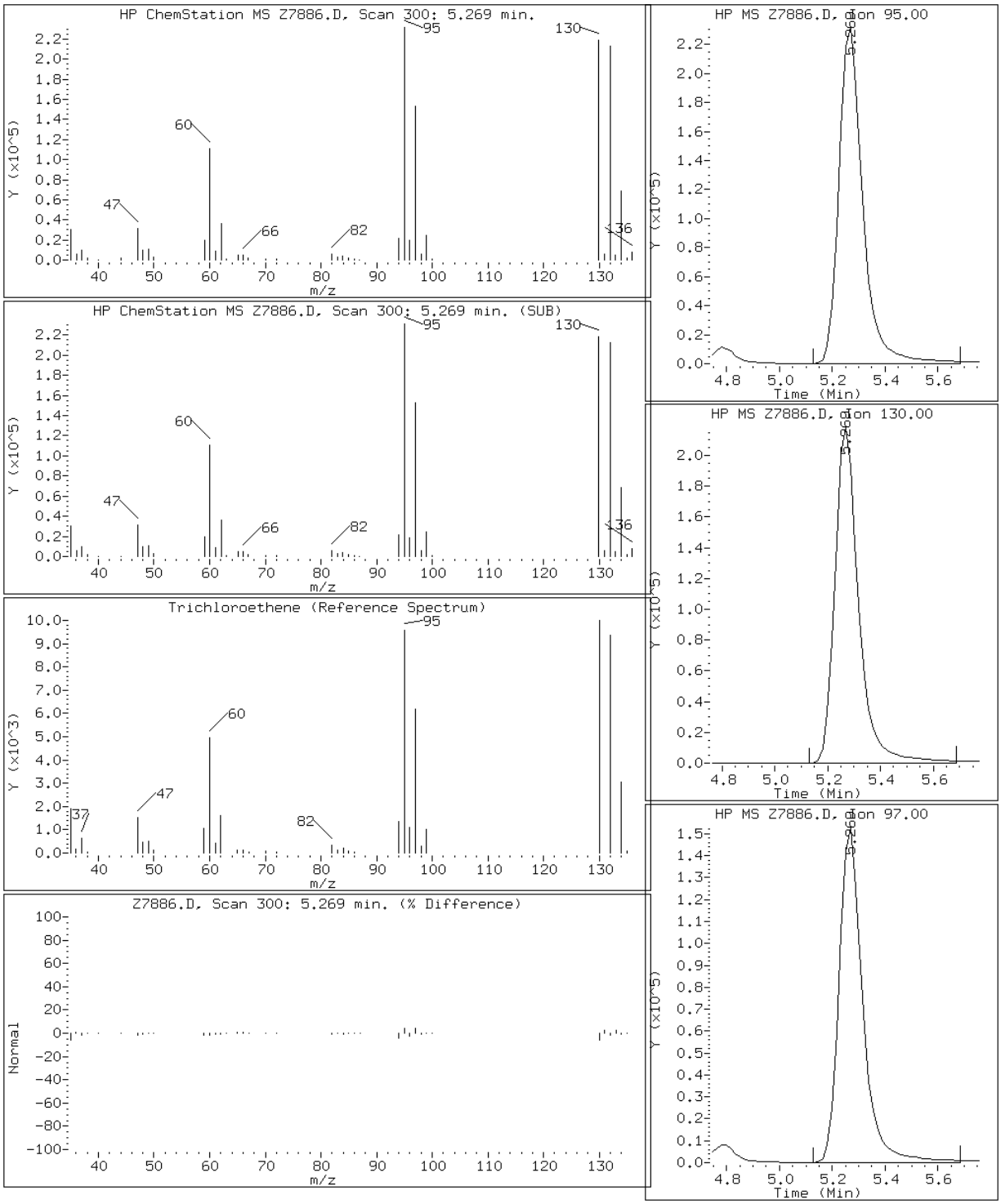
Data File: Z7886.D

Date: 29-JUN-2012 10:50

Client ID: 775VM1095QA Instrument: Z.i

Sample Info: 280-30235-h-3,,PH<2 Operator: MEIERG

63 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: LF6VM2449QA | Lab Sample ID: 280-30235-6

Matrix: Water | Lab File ID: Z7887.D

Analysis Method: 8260B/DoD | Date Collected: 06/19/2012 15:32

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 11:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: LF6VM2449QA | Lab Sample ID: 280-30235-6

Matrix: Water | Lab File ID: Z7887.D

Analysis Method: 8260B/DoD | Date Collected: 06/19/2012 15:32

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 11:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.49	J	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Client Sample ID: LF6VM2449QA Lab Sample ID: 280-30235-6

Matrix: Water Lab File ID: Z7887.D

Analysis Method: 8260B/DoD Date Collected: 06/19/2012 15:32

Sample wt/vol: 20(mL) Date Analyzed: 06/29/2012 11:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126144 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		70-120
460-00-4	4-Bromofluorobenzene (Surr)	93		75-120
1868-53-7	Dibromofluoromethane (Surr)	89		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\Z7887.D
Lab Smp Id: 280-30235-G-6 Client Smp ID: LF6VM2449QA
Inj Date : 29-JUN-2012 11:12
Operator : MEIERG Inst ID: Z.i
Smp Info : 280-30235-g-6,,PH<2
Misc Info : 280-30235-G-6
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\8260B-H2O.m
Meth Date : 29-Jun-2012 11:05 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	4.782	4.777	(1.000)	878868	12.5000	
* 86	Chlorobenzene-d5	119	9.219	9.197	(1.000)	189093	12.5000	
* 111	1,4-Dichlorobenzene-d4	152	13.238	13.199	(1.000)	278226	12.5000	(Q)
$ 51	Dibromofluoromethane (Surr)	111	3.981	3.965	(0.833)	387349	7.98421	7.98421
$ 56	1,2-Dichloroethane-d4	65	4.364	4.330	(0.913)	173760	7.57295	7.57295
$ 75	Toluene-d8	98	6.974	6.958	(0.757)	816796	8.63907	8.63907
$ 98	4-Bromofluorobenzene (Surr)	95	11.220	11.204	(0.848)	420597	8.39964	8.39964
M 1	1,2-Dichloroethene (total)	96				14857	0.49309	0.493093(a)
M 2	Xylene (total)	106	Compound Not Detected.					
6	dichlorodifluoromethane	85	Compound Not Detected.					
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
7	Chloromethane	50	Compound Not Detected.					
9	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
16	Trichlorofluoromethane	101	Compound Not Detected.					
17	Ethyl Ether	59	Compound Not Detected.					
19	1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
20	2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
21	Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
23 1,1-Dichloroethene	96	Compound Not Detected.					
24 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
39 Allyl Chloride	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
28 Methylene Chloride	84	2.380	2.376	(0.498)	7795	0.28959	0.289589(a)
30 tert-Butyl alcohol	59	Compound Not Detected.					
31 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
34 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
35 Vinyl Acetate	43	Compound Not Detected.					
37 Isopropyl ether	87	Compound Not Detected.					
38 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
42 cis-1,2-Dichloroethene	96	3.477	3.472	(0.727)	14857	0.49309	0.493093(a)
43 2,2-Dichloropropane	77	Compound Not Detected.					
41 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
49 2-Butanol	45	Compound Not Detected.					
46 Methacrylonitrile	41	Compound Not Detected.					
47 Bromochloromethane	128	Compound Not Detected.					
48 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
59 Benzene	78	Compound Not Detected.					
57 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	5.269	5.247	(1.102)	5436	0.14227	0.142274(a)
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
67 Dibromomethane	93	Compound Not Detected.					
68 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
84 Dibromochloromethane	129	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
85	1,2-Dibromoethane	107	Compound Not Detected.					
88	1-Chlorohexane	91	Compound Not Detected.					
87	Chlorobenzene	112	Compound Not Detected.					
89	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90	Ethylbenzene	106	Compound Not Detected.					
91	m and p-Xylene	106	Compound Not Detected.					
92	o-Xylene	106	Compound Not Detected.					
93	Styrene	104	Compound Not Detected.					
94	Bromoform	173	Compound Not Detected.					
95	isopropyl benzene	105	Compound Not Detected.					
96	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97	Cyclohexanone	55	Compound Not Detected.					
99	Bromobenzene	156	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	1,2,3-Trichloropropane	110	Compound Not Detected.					
102	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103	n-Propylbenzene	120	Compound Not Detected.					
104	2-Chlorotoluene	126	Compound Not Detected.					
106	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
105	4-Chlorotoluene	126	Compound Not Detected.					
107	tert-Butylbenzene	119	Compound Not Detected.					
108	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109	sec-Butylbenzene	134	Compound Not Detected.					
110	1,3-Dichlorobenzene	146	Compound Not Detected.					
112	4-Isopropyltoluene	119	Compound Not Detected.					
113	1,4-dichlorobenzene	146	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
115	1,2-Dichlorobenzene	146	Compound Not Detected.					
117	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119	Hexachlorobutadiene	225	Compound Not Detected.					
120	Naphthalene	128	Compound Not Detected.					
121	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

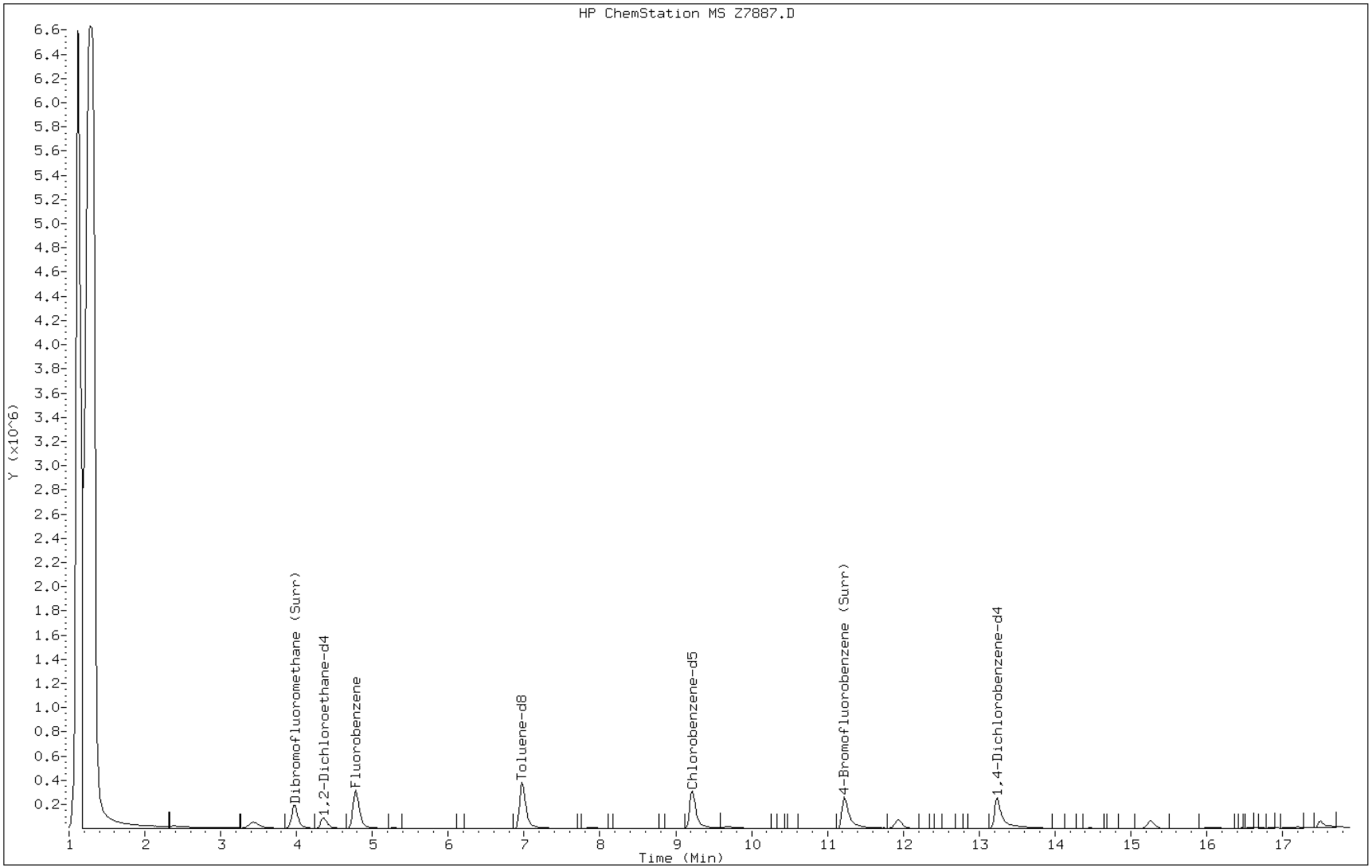
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Z7887.D

Date: 29-JUN-2012 11:12

Client ID: LF6VM2449QA Instrument: Z.i

Sample Info: 280-30235-g-6,,PH<2 Operator: MEIERG



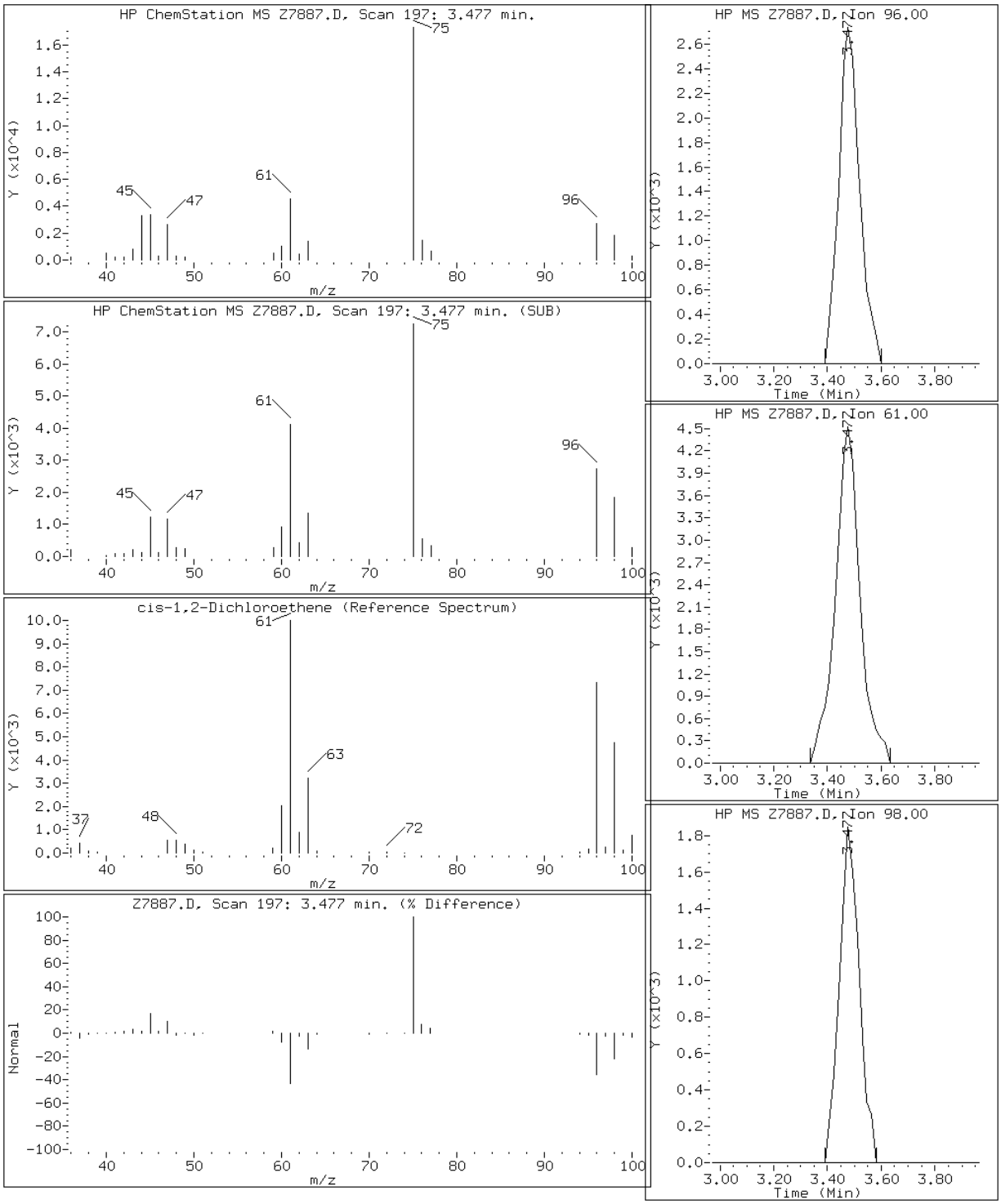
Data File: Z7887.D

Date: 29-JUN-2012 11:12

Client ID: LF6VM2449QA Instrument: Z.i

Sample Info: 280-30235-g-6,,PH<2 Operator: MEIERG

42 cis-1,2-Dichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: LF6VM2544QA | Lab Sample ID: 280-30235-7

Matrix: Water | Lab File ID: Z7888.D

Analysis Method: 8260B/DoD | Date Collected: 06/19/2012 11:44

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 11:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: LF6VM2544QA | Lab Sample ID: 280-30235-7

Matrix: Water | Lab File ID: Z7888.D

Analysis Method: 8260B/DoD | Date Collected: 06/19/2012 11:44

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 11:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Client Sample ID: LF6VM2544QA Lab Sample ID: 280-30235-7

Matrix: Water Lab File ID: Z7888.D

Analysis Method: 8260B/DoD Date Collected: 06/19/2012 11:44

Sample wt/vol: 20(mL) Date Analyzed: 06/29/2012 11:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126144 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		70-120
460-00-4	4-Bromofluorobenzene (Surr)	91		75-120
1868-53-7	Dibromofluoromethane (Surr)	85		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\Z7888.D
Lab Smp Id: 280-30235-H-7 Client Smp ID: LF6VM2544QA
Inj Date : 29-JUN-2012 11:33
Operator : MEIERG Inst ID: Z.i
Smp Info : 280-30235-h-7,,PH<2
Misc Info : 280-30235-H-7
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\8260B-H2O.m
Meth Date : 29-Jun-2012 11:05 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
*	62 Fluorobenzene	96	4.777	4.777	(1.000)	886972	12.5000		
*	86 Chlorobenzene-d5	119	9.214	9.197	(1.000)	189591	12.5000		
*	111 1,4-Dichlorobenzene-d4	152	13.234	13.199	(1.000)	280224	12.5000		(Q)
$	51 Dibromofluoromethane (Surr)	111	3.977	3.965	(0.832)	375958	7.67861	7.67861	
$	56 1,2-Dichloroethane-d4	65	4.359	4.330	(0.913)	169915	7.33772	7.33772	
$	75 Toluene-d8	98	6.970	6.958	(0.756)	802651	8.46716	8.46716	
$	98 4-Bromofluorobenzene (Surr)	95	11.233	11.204	(0.849)	411942	8.16813	8.16813	
M	1 1,2-Dichloroethene (total)	96	Compound Not Detected.						
M	2 Xylene (total)	106	Compound Not Detected.						
	6 dichlorodifluoromethane	85	Compound Not Detected.						
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.						
	7 Chloromethane	50	Compound Not Detected.						
	9 Vinyl Chloride	62	Compound Not Detected.						
	11 Ethylene Oxide	43	Compound Not Detected.						
	12 Bromomethane	94	Compound Not Detected.						
	13 Chloroethane	64	Compound Not Detected.						
	14 Dichlorofluoromethane	67	Compound Not Detected.						
	16 Trichlorofluoromethane	101	Compound Not Detected.						
	17 Ethyl Ether	59	Compound Not Detected.						
	19 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.						
	20 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.						
	21 Acrolein	56	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
23 1,1-Dichloroethene	96	Compound Not Detected.					
24 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
39 Allyl Chloride	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
28 Methylene Chloride	84	2.376	2.376	(0.497)	7630	0.28087	0.280869(a)
30 tert-Butyl alcohol	59	Compound Not Detected.					
31 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
34 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
35 Vinyl Acetate	43	Compound Not Detected.					
37 Isopropyl ether	87	Compound Not Detected.					
38 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
42 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
41 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
49 2-Butanol	45	Compound Not Detected.					
46 Methacrylonitrile	41	Compound Not Detected.					
47 Bromochloromethane	128	Compound Not Detected.					
48 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
59 Benzene	78	Compound Not Detected.					
57 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
67 Dibromomethane	93	Compound Not Detected.					
68 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
84 Dibromochloromethane	129	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85 1,2-Dibromoethane	107	Compound Not Detected.					
88 1-Chlorohexane	91	Compound Not Detected.					
87 Chlorobenzene	112	Compound Not Detected.					
89 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90 Ethylbenzene	106	Compound Not Detected.					
91 m and p-Xylene	106	Compound Not Detected.					
92 o-Xylene	106	Compound Not Detected.					
93 Styrene	104	Compound Not Detected.					
94 Bromoform	173	Compound Not Detected.					
95 isopropyl benzene	105	Compound Not Detected.					
96 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	Compound Not Detected.					
99 Bromobenzene	156	Compound Not Detected.					
100 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101 1,2,3-Trichloropropane	110	Compound Not Detected.					
102 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103 n-Propylbenzene	120	Compound Not Detected.					
104 2-Chlorotoluene	126	Compound Not Detected.					
106 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
105 4-Chlorotoluene	126	Compound Not Detected.					
107 tert-Butylbenzene	119	Compound Not Detected.					
108 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109 sec-Butylbenzene	134	Compound Not Detected.					
110 1,3-Dichlorobenzene	146	Compound Not Detected.					
112 4-Isopropyltoluene	119	Compound Not Detected.					
113 1,4-dichlorobenzene	146	Compound Not Detected.					
116 n-Butylbenzene	91	Compound Not Detected.					
115 1,2-Dichlorobenzene	146	Compound Not Detected.					
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119 Hexachlorobutadiene	225	Compound Not Detected.					
120 Naphthalene	128	Compound Not Detected.					
121 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

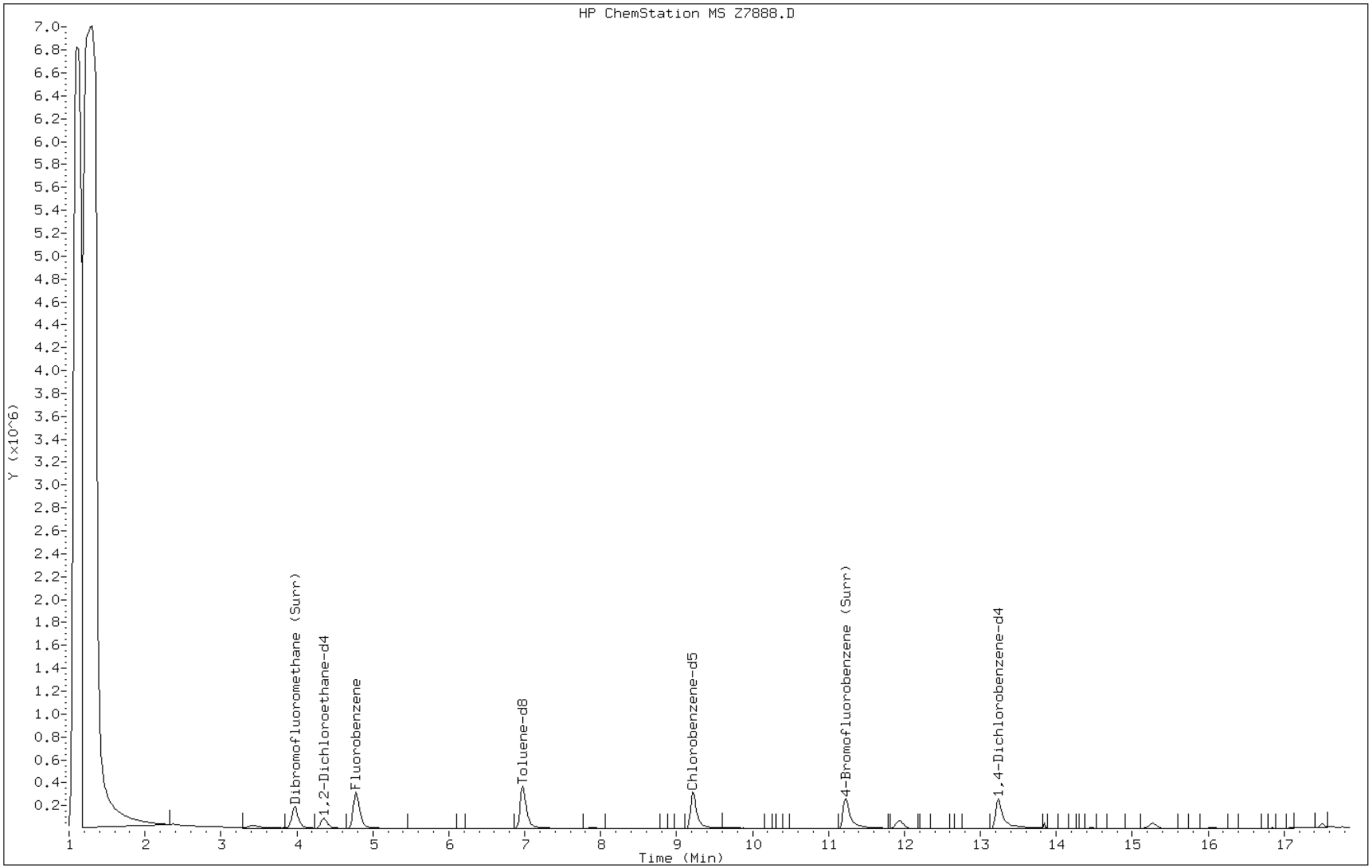
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Z7888.D

Date: 29-JUN-2012 11:33

Client ID: LF6VM2544QA Instrument: Z.i

Sample Info: 280-30235-h-7,,PH<2 Operator: MEIERG



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: TMCM0919QA | Lab Sample ID: 280-30235-8

Matrix: Water | Lab File ID: Z7889.D

Analysis Method: 8260B/DoD | Date Collected: 06/19/2012 12:48

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 11:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: TMCM0919QA | Lab Sample ID: 280-30235-8

Matrix: Water | Lab File ID: Z7889.D

Analysis Method: 8260B/DoD | Date Collected: 06/19/2012 12:48

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 11:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Client Sample ID: TMCM0919QA Lab Sample ID: 280-30235-8

Matrix: Water Lab File ID: Z7889.D

Analysis Method: 8260B/DoD Date Collected: 06/19/2012 12:48

Sample wt/vol: 20(mL) Date Analyzed: 06/29/2012 11:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126144 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		70-120
460-00-4	4-Bromofluorobenzene (Surr)	89		75-120
1868-53-7	Dibromofluoromethane (Surr)	85		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\Z7889.D
Lab Smp Id: 280-30235-G-8 Client Smp ID: TMCM0919QA
Inj Date : 29-JUN-2012 11:55
Operator : MEIERG Inst ID: Z.i
Smp Info : 280-30235-g-8,,PH<2
Misc Info : 280-30235-G-8
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\8260B-H2O.m
Meth Date : 29-Jun-2012 11:05 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
*	62 Fluorobenzene	96	4.784	4.777	(1.000)	907377	12.5000		
*	86 Chlorobenzene-d5	119	9.221	9.197	(1.000)	194479	12.5000		
*	111 1,4-Dichlorobenzene-d4	152	13.240	13.199	(1.000)	291406	12.5000		(Q)
$	51 Dibromofluoromethane (Surr)	111	3.966	3.965	(0.829)	385113	7.68872	7.68872	
$	56 1,2-Dichloroethane-d4	65	4.349	4.330	(0.909)	174219	7.35439	7.35439	
$	75 Toluene-d8	98	6.976	6.958	(0.757)	814520	8.37641	8.37641	
$	98 4-Bromofluorobenzene (Surr)	95	11.222	11.204	(0.848)	420863	8.02480	8.02480	
M	1 1,2-Dichloroethene (total)	96	Compound Not Detected.						
M	2 Xylene (total)	106	Compound Not Detected.						
	6 dichlorodifluoromethane	85	Compound Not Detected.						
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.						
	7 Chloromethane	50	Compound Not Detected.						
	9 Vinyl Chloride	62	Compound Not Detected.						
	11 Ethylene Oxide	43	Compound Not Detected.						
	12 Bromomethane	94	Compound Not Detected.						
	13 Chloroethane	64	Compound Not Detected.						
	14 Dichlorofluoromethane	67	Compound Not Detected.						
	16 Trichlorofluoromethane	101	Compound Not Detected.						
	17 Ethyl Ether	59	Compound Not Detected.						
	19 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.						
	20 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.						
	21 Acrolein	56	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
23 1,1-Dichloroethene	96	Compound Not Detected.					
24 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
39 Allyl Chloride	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
28 Methylene Chloride	84	2.382	2.376	(0.498)	7634	0.27470	0.274697(a)
30 tert-Butyl alcohol	59	Compound Not Detected.					
31 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
34 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
35 Vinyl Acetate	43	Compound Not Detected.					
37 Isopropyl ether	87	Compound Not Detected.					
38 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
42 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
41 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
49 2-Butanol	45	Compound Not Detected.					
46 Methacrylonitrile	41	Compound Not Detected.					
47 Bromochloromethane	128	Compound Not Detected.					
48 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
59 Benzene	78	Compound Not Detected.					
57 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
67 Dibromomethane	93	Compound Not Detected.					
68 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
84 Dibromochloromethane	129	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
85	1,2-Dibromoethane	107	Compound Not Detected.					
88	1-Chlorohexane	91	Compound Not Detected.					
87	Chlorobenzene	112	Compound Not Detected.					
89	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90	Ethylbenzene	106	Compound Not Detected.					
91	m and p-Xylene	106	Compound Not Detected.					
92	o-Xylene	106	Compound Not Detected.					
93	Styrene	104	Compound Not Detected.					
94	Bromoform	173	Compound Not Detected.					
95	isopropyl benzene	105	Compound Not Detected.					
96	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97	Cyclohexanone	55	Compound Not Detected.					
99	Bromobenzene	156	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	1,2,3-Trichloropropane	110	Compound Not Detected.					
102	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103	n-Propylbenzene	120	Compound Not Detected.					
104	2-Chlorotoluene	126	Compound Not Detected.					
106	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
105	4-Chlorotoluene	126	Compound Not Detected.					
107	tert-Butylbenzene	119	Compound Not Detected.					
108	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109	sec-Butylbenzene	134	Compound Not Detected.					
110	1,3-Dichlorobenzene	146	Compound Not Detected.					
112	4-Isopropyltoluene	119	Compound Not Detected.					
113	1,4-dichlorobenzene	146	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
115	1,2-Dichlorobenzene	146	Compound Not Detected.					
117	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119	Hexachlorobutadiene	225	Compound Not Detected.					
120	Naphthalene	128	Compound Not Detected.					
121	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

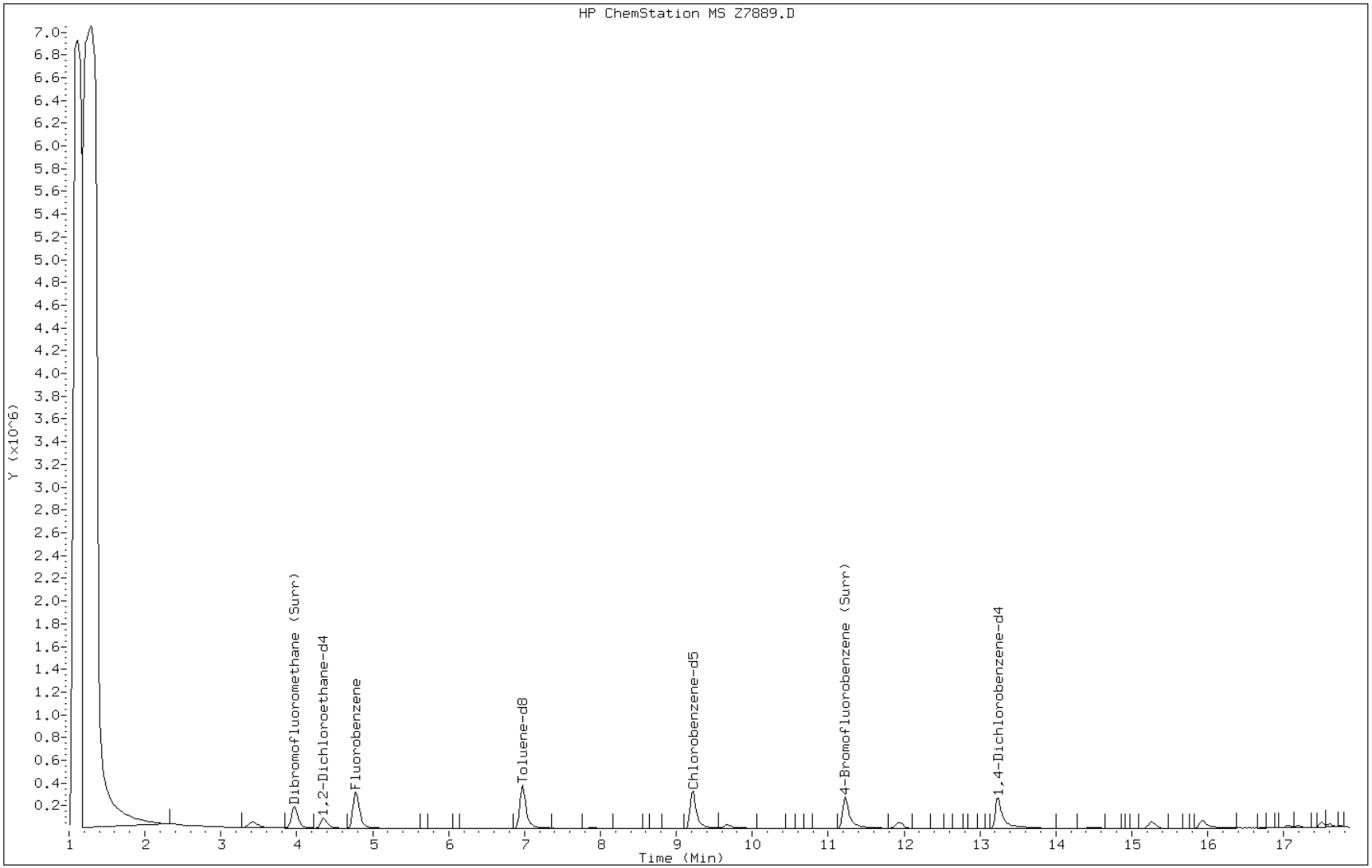
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Z7889.D

Date: 29-JUN-2012 11:55

Client ID: TMCM0919QA Instrument: Z.i

Sample Info: 280-30235-g-8,,PH<2 Operator: MEIERG



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: 061912QE | Lab Sample ID: 280-30235-9

Matrix: Water | Lab File ID: Z7890.D

Analysis Method: 8260B/DoD | Date Collected: 06/19/2012 12:51

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 12:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: 061912QE | Lab Sample ID: 280-30235-9

Matrix: Water | Lab File ID: Z7890.D

Analysis Method: 8260B/DoD | Date Collected: 06/19/2012 12:51

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 12:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	1.5	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Client Sample ID: 061912QE Lab Sample ID: 280-30235-9

Matrix: Water Lab File ID: Z7890.D

Analysis Method: 8260B/DoD Date Collected: 06/19/2012 12:51

Sample wt/vol: 20(mL) Date Analyzed: 06/29/2012 12:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126144 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	108		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		70-120
460-00-4	4-Bromofluorobenzene (Surr)	106		75-120
1868-53-7	Dibromofluoromethane (Surr)	98		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\Z7890.D
Lab Smp Id: 280-30235-H-9 Client Smp ID: 061912QE
Inj Date : 29-JUN-2012 12:16
Operator : MEIERG Inst ID: Z.i
Smp Info : 280-30235-h-9,,PH<2
Misc Info : 280-30235-H-9
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\8260B-H2O.m
Meth Date : 29-Jun-2012 11:05 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
*	62 Fluorobenzene	96	4.782	4.777	(1.000)	776284	12.5000		
*	86 Chlorobenzene-d5	119	9.219	9.197	(1.000)	165005	12.5000		
*	111 1,4-Dichlorobenzene-d4	152	13.239	13.199	(1.000)	238975	12.5000		(Q)
$	51 Dibromofluoromethane (Surr)	111	3.982	3.965	(0.833)	378324	8.82870	8.82870	
$	56 1,2-Dichloroethane-d4	65	4.365	4.330	(0.913)	166691	8.22490	8.22490	
$	75 Toluene-d8	98	6.975	6.958	(0.757)	800511	9.70284	9.70284	
$	98 4-Bromofluorobenzene (Surr)	95	11.221	11.204	(0.848)	409143	9.51294	9.51294	
M	1 1,2-Dichloroethene (total)	96	Compound Not Detected.						
M	2 Xylene (total)	106	Compound Not Detected.						
	6 dichlorodifluoromethane	85	Compound Not Detected.						
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.						
	7 Chloromethane	50	Compound Not Detected.						
	9 Vinyl Chloride	62	Compound Not Detected.						
	11 Ethylene Oxide	43	Compound Not Detected.						
	12 Bromomethane	94	Compound Not Detected.						
	13 Chloroethane	64	Compound Not Detected.						
	14 Dichlorofluoromethane	67	Compound Not Detected.						
	16 Trichlorofluoromethane	101	Compound Not Detected.						
	17 Ethyl Ether	59	Compound Not Detected.						
	19 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.						
	20 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.						
	21 Acrolein	56	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
23 1,1-Dichloroethene	96	Compound Not Detected.					
24 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
39 Allyl Chloride	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
28 Methylene Chloride	84	2.381	2.376	(0.498)	35299	1.48467	1.48467(a)
30 tert-Butyl alcohol	59	Compound Not Detected.					
31 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
34 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
35 Vinyl Acetate	43	Compound Not Detected.					
37 Isopropyl ether	87	Compound Not Detected.					
38 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
42 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
41 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
49 2-Butanol	45	Compound Not Detected.					
46 Methacrylonitrile	41	Compound Not Detected.					
47 Bromochloromethane	128	Compound Not Detected.					
48 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	3.808	3.785	(0.796)	4819	0.09538	0.0953828(a)
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
59 Benzene	78	Compound Not Detected.					
57 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
67 Dibromomethane	93	Compound Not Detected.					
68 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	7.079	7.057	(1.480)	13353	0.15646	0.156460(a)
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
84 Dibromochloromethane	129	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85 1,2-Dibromoethane	107	Compound Not Detected.					
88 1-Chlorohexane	91	Compound Not Detected.					
87 Chlorobenzene	112	Compound Not Detected.					
89 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90 Ethylbenzene	106	Compound Not Detected.					
91 m and p-Xylene	106	Compound Not Detected.					
92 o-Xylene	106	Compound Not Detected.					
93 Styrene	104	Compound Not Detected.					
94 Bromoform	173	Compound Not Detected.					
95 isopropyl benzene	105	Compound Not Detected.					
96 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	Compound Not Detected.					
99 Bromobenzene	156	Compound Not Detected.					
100 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101 1,2,3-Trichloropropane	110	Compound Not Detected.					
102 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103 n-Propylbenzene	120	Compound Not Detected.					
104 2-Chlorotoluene	126	Compound Not Detected.					
106 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
105 4-Chlorotoluene	126	Compound Not Detected.					
107 tert-Butylbenzene	119	Compound Not Detected.					
108 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109 sec-Butylbenzene	134	Compound Not Detected.					
110 1,3-Dichlorobenzene	146	Compound Not Detected.					
112 4-Isopropyltoluene	119	Compound Not Detected.					
113 1,4-dichlorobenzene	146	Compound Not Detected.					
116 n-Butylbenzene	91	Compound Not Detected.					
115 1,2-Dichlorobenzene	146	Compound Not Detected.					
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119 Hexachlorobutadiene	225	Compound Not Detected.					
120 Naphthalene	128	Compound Not Detected.					
121 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

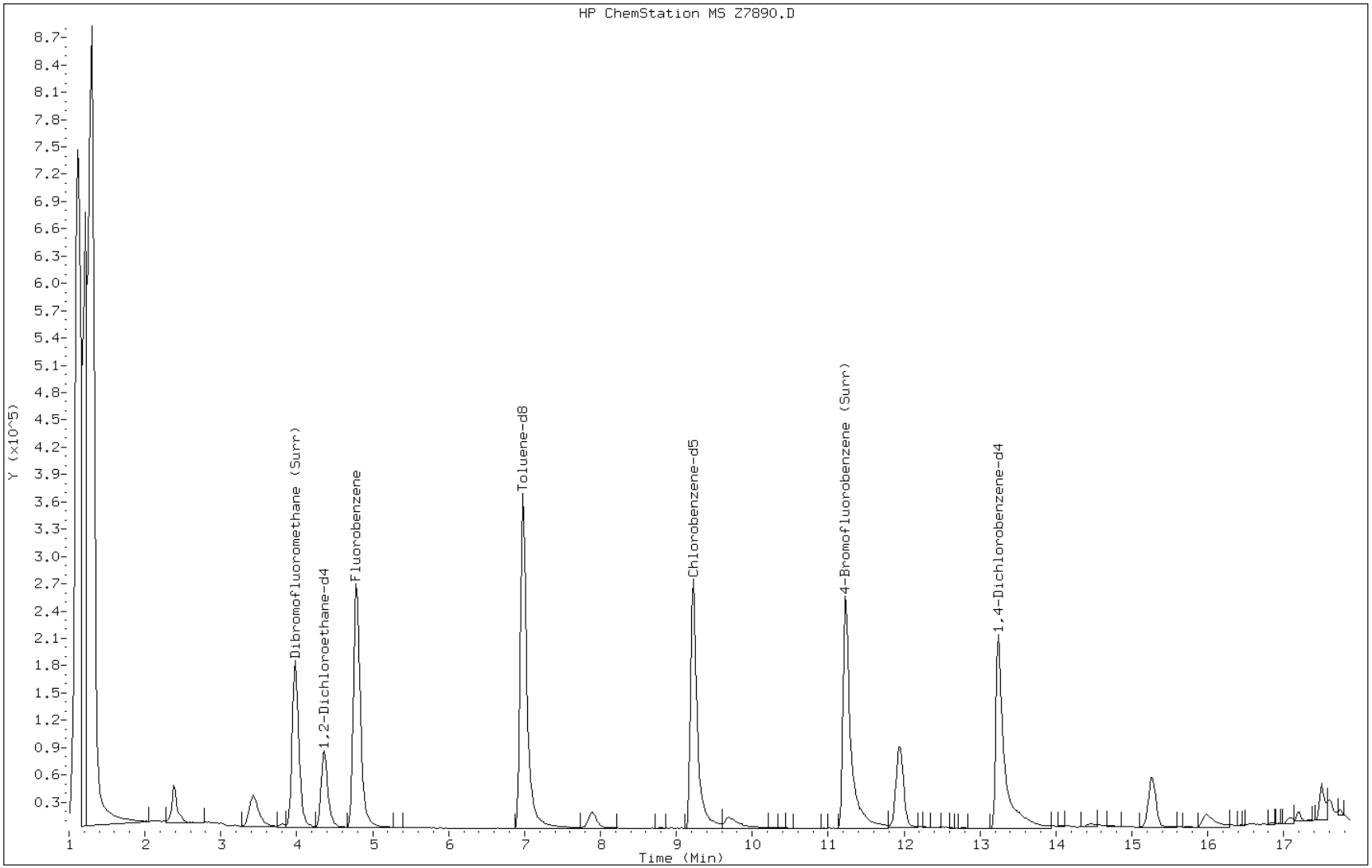
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Z7890.D

Date: 29-JUN-2012 12:16

Client ID: 061912QE Instrument: Z.i

Sample Info: 280-30235-h-9,,PH<2 Operator: MEIERG



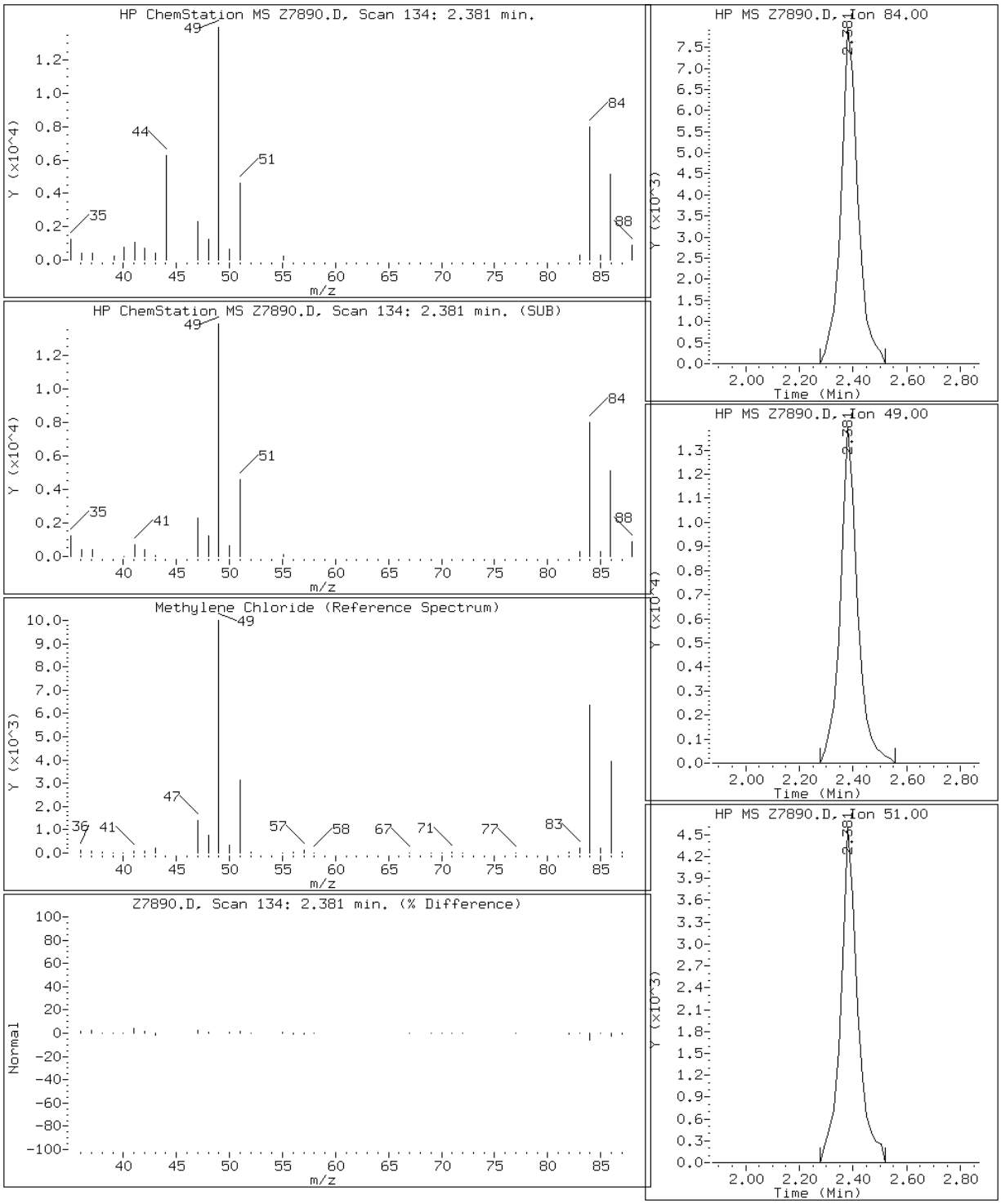
Data File: Z7890.D

Date: 29-JUN-2012 12:16

Client ID: 061912QE Instrument: Z.i

Sample Info: 280-30235-h-9,,PH<2 Operator: MEIERG

28 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: 061912QF | Lab Sample ID: 280-30235-10

Matrix: Water | Lab File ID: Z7891.D

Analysis Method: 8260B/DoD | Date Collected: 06/19/2012 13:25

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 12:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: 061912QF | Lab Sample ID: 280-30235-10

Matrix: Water | Lab File ID: Z7891.D

Analysis Method: 8260B/DoD | Date Collected: 06/19/2012 13:25

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 12:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	1.1	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Client Sample ID: 061912QF Lab Sample ID: 280-30235-10

Matrix: Water Lab File ID: Z7891.D

Analysis Method: 8260B/DoD Date Collected: 06/19/2012 13:25

Sample wt/vol: 20(mL) Date Analyzed: 06/29/2012 12:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126144 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		70-120
460-00-4	4-Bromofluorobenzene (Surr)	95		75-120
1868-53-7	Dibromofluoromethane (Surr)	87		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\Z7891.D
Lab Smp Id: 280-30235-C-10 Client Smp ID: 061912QF
Inj Date : 29-JUN-2012 12:37
Operator : MEIERG Inst ID: Z.i
Smp Info : 280-30235-c-10,,PH<2
Misc Info : 280-30235-C-10
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\8260B-H2O.m
Meth Date : 29-Jun-2012 11:05 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
*	62 Fluorobenzene	96	4.783	4.777	(1.000)	843089	12.5000		
*	86 Chlorobenzene-d5	119	9.220	9.197	(1.000)	178487	12.5000		
*	111 1,4-Dichlorobenzene-d4	152	13.239	13.199	(1.000)	257562	12.5000		(Q)
$	51 Dibromofluoromethane (Surr)	111	3.965	3.965	(0.829)	365102	7.84502	7.84502	
$	56 1,2-Dichloroethane-d4	65	4.348	4.330	(0.909)	162928	7.40221	7.40221	
$	75 Toluene-d8	98	6.975	6.958	(0.757)	781135	8.75283	8.75283	
$	98 4-Bromofluorobenzene (Surr)	95	11.221	11.204	(0.848)	395164	8.52487	8.52487	
M	1 1,2-Dichloroethene (total)	96	Compound Not Detected.						
M	2 Xylene (total)	106	Compound Not Detected.						
	6 dichlorodifluoromethane	85	Compound Not Detected.						
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.						
	7 Chloromethane	50	Compound Not Detected.						
	9 Vinyl Chloride	62	Compound Not Detected.						
	11 Ethylene Oxide	43	Compound Not Detected.						
	12 Bromomethane	94	Compound Not Detected.						
	13 Chloroethane	64	Compound Not Detected.						
	14 Dichlorofluoromethane	67	Compound Not Detected.						
	16 Trichlorofluoromethane	101	Compound Not Detected.						
	17 Ethyl Ether	59	Compound Not Detected.						
	19 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.						
	20 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.						
	21 Acrolein	56	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
23 1,1-Dichloroethene	96	Compound Not Detected.					
24 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
39 Allyl Chloride	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
28 Methylene Chloride	84	2.364	2.376	(0.494)	28811	1.11577	1.11577(a)
30 tert-Butyl alcohol	59	Compound Not Detected.					
31 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
34 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
35 Vinyl Acetate	43	Compound Not Detected.					
37 Isopropyl ether	87	Compound Not Detected.					
38 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
42 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
41 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
49 2-Butanol	45	Compound Not Detected.					
46 Methacrylonitrile	41	Compound Not Detected.					
47 Bromochloromethane	128	Compound Not Detected.					
48 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	3.791	3.785	(0.793)	3729	0.06796	0.0679599(a)
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
59 Benzene	78	Compound Not Detected.					
57 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
67 Dibromomethane	93	Compound Not Detected.					
68 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	7.080	7.057	(1.480)	14771	0.15936	0.159360(a)
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
84 Dibromochloromethane	129	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85 1,2-Dibromoethane	107	Compound Not Detected.					
88 1-Chlorohexane	91	Compound Not Detected.					
87 Chlorobenzene	112	Compound Not Detected.					
89 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90 Ethylbenzene	106	Compound Not Detected.					
91 m and p-Xylene	106	Compound Not Detected.					
92 o-Xylene	106	Compound Not Detected.					
93 Styrene	104	Compound Not Detected.					
94 Bromoform	173	Compound Not Detected.					
95 isopropyl benzene	105	Compound Not Detected.					
96 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	Compound Not Detected.					
99 Bromobenzene	156	Compound Not Detected.					
100 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101 1,2,3-Trichloropropane	110	Compound Not Detected.					
102 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103 n-Propylbenzene	120	Compound Not Detected.					
104 2-Chlorotoluene	126	Compound Not Detected.					
106 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
105 4-Chlorotoluene	126	Compound Not Detected.					
107 tert-Butylbenzene	119	Compound Not Detected.					
108 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109 sec-Butylbenzene	134	Compound Not Detected.					
110 1,3-Dichlorobenzene	146	Compound Not Detected.					
112 4-Isopropyltoluene	119	Compound Not Detected.					
113 1,4-dichlorobenzene	146	Compound Not Detected.					
116 n-Butylbenzene	91	Compound Not Detected.					
115 1,2-Dichlorobenzene	146	Compound Not Detected.					
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119 Hexachlorobutadiene	225	Compound Not Detected.					
120 Naphthalene	128	Compound Not Detected.					
121 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

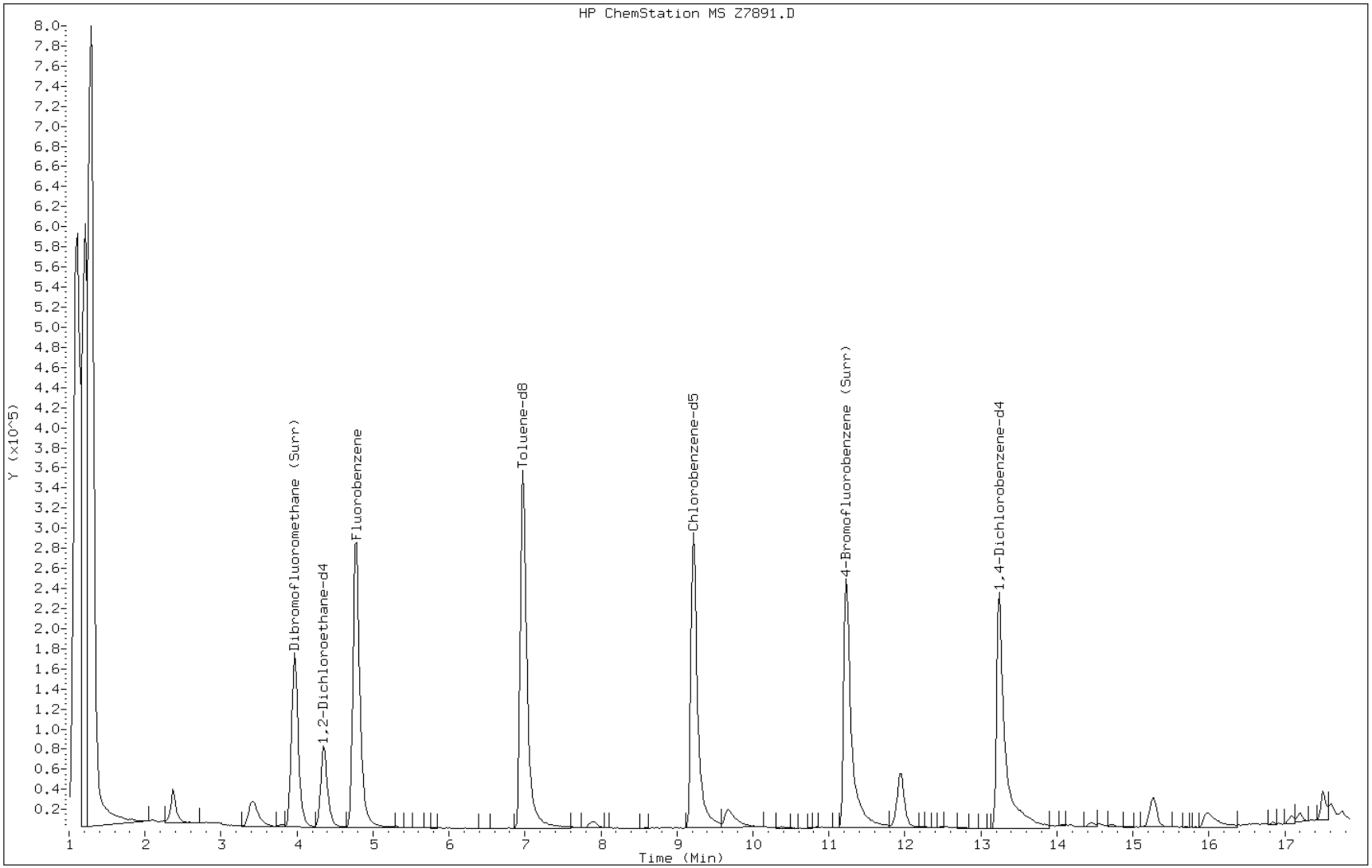
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Z7891.D

Date: 29-JUN-2012 12:37

Client ID: 061912QF Instrument: Z.i

Sample Info: 280-30235-c-10,,PH<2 Operator: MEIERG



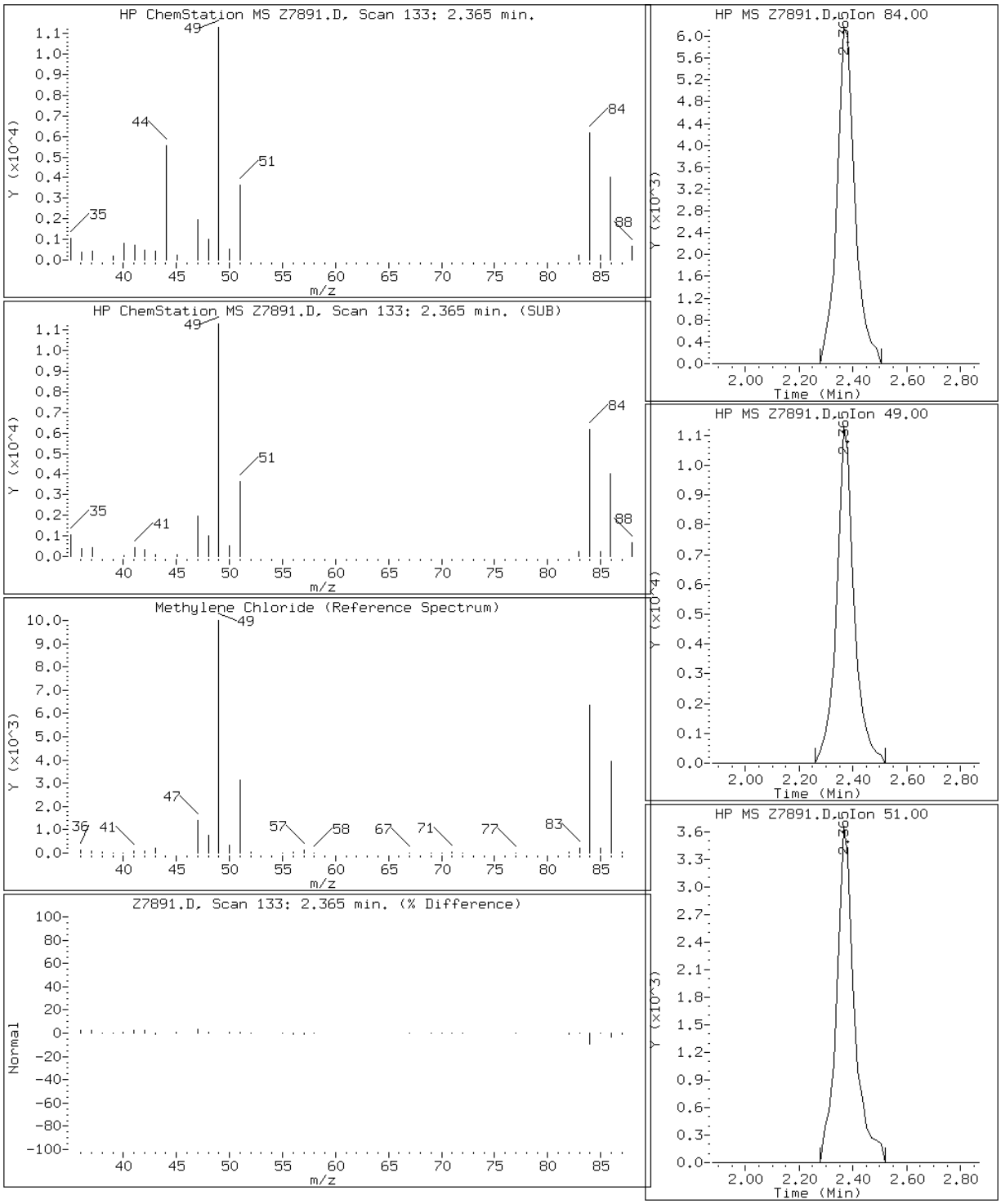
Data File: Z7891.D

Date: 29-JUN-2012 12:37

Client ID: 061912QF Instrument: Z.i

Sample Info: 280-30235-c-10,,PH<2 Operator: MEIERG

28 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: 061912QR | Lab Sample ID: 280-30235-11

Matrix: Water | Lab File ID: Z7892.D

Analysis Method: 8260B/DoD | Date Collected: 06/19/2012 08:45

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 12:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: 061912QR | Lab Sample ID: 280-30235-11

Matrix: Water | Lab File ID: Z7892.D

Analysis Method: 8260B/DoD | Date Collected: 06/19/2012 08:45

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 12:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.39	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Client Sample ID: 061912QR Lab Sample ID: 280-30235-11

Matrix: Water Lab File ID: Z7892.D

Analysis Method: 8260B/DoD Date Collected: 06/19/2012 08:45

Sample wt/vol: 20(mL) Date Analyzed: 06/29/2012 12:59

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126144 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		70-120
460-00-4	4-Bromofluorobenzene (Surr)	91		75-120
1868-53-7	Dibromofluoromethane (Surr)	86		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\Z7892.D
Lab Smp Id: 280-30235-B-11 Client Smp ID: 061912QR
Inj Date : 29-JUN-2012 12:59
Operator : MEIERG Inst ID: Z.i
Smp Info : 280-30235-b-11,,PH<2
Misc Info : 280-30235-B-11
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\8260B-H2O.m
Meth Date : 29-Jun-2012 11:05 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
*	62 Fluorobenzene	96	4.777	4.777	(1.000)	883834	12.5000		
*	86 Chlorobenzene-d5	119	9.214	9.197	(1.000)	183862	12.5000		
*	111 1,4-Dichlorobenzene-d4	152	13.233	13.199	(1.000)	279145	12.5000		(Q)
$	51 Dibromofluoromethane (Surr)	111	3.976	3.965	(0.832)	376507	7.71713	7.71713	
$	56 1,2-Dichloroethane-d4	65	4.359	4.330	(0.913)	169498	7.34570	7.34570	
$	75 Toluene-d8	98	6.969	6.958	(0.756)	805727	8.76445	8.76445	
$	98 4-Bromofluorobenzene (Surr)	95	11.232	11.204	(0.849)	410391	8.16883	8.16883	
M	1 1,2-Dichloroethene (total)	96	Compound Not Detected.						
M	2 Xylene (total)	106	Compound Not Detected.						
	6 dichlorodifluoromethane	85	Compound Not Detected.						
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.						
	7 Chloromethane	50	Compound Not Detected.						
	9 Vinyl Chloride	62	Compound Not Detected.						
	11 Ethylene Oxide	43	Compound Not Detected.						
	12 Bromomethane	94	Compound Not Detected.						
	13 Chloroethane	64	Compound Not Detected.						
	14 Dichlorofluoromethane	67	Compound Not Detected.						
	16 Trichlorofluoromethane	101	Compound Not Detected.						
	17 Ethyl Ether	59	Compound Not Detected.						
	19 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.						
	20 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.						
	21 Acrolein	56	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
23 1,1-Dichloroethene	96	Compound Not Detected.					
24 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
39 Allyl Chloride	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
28 Methylene Chloride	84	2.375	2.376	(0.497)	10481	0.38719	0.387188(a)
30 tert-Butyl alcohol	59	Compound Not Detected.					
31 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
34 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
35 Vinyl Acetate	43	Compound Not Detected.					
37 Isopropyl ether	87	Compound Not Detected.					
38 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
42 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
41 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
49 2-Butanol	45	Compound Not Detected.					
46 Methacrylonitrile	41	Compound Not Detected.					
47 Bromochloromethane	128	Compound Not Detected.					
48 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
59 Benzene	78	Compound Not Detected.					
57 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
67 Dibromomethane	93	Compound Not Detected.					
68 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
84 Dibromochloromethane	129	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85 1,2-Dibromoethane	107	Compound Not Detected.					
88 1-Chlorohexane	91	Compound Not Detected.					
87 Chlorobenzene	112	Compound Not Detected.					
89 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90 Ethylbenzene	106	Compound Not Detected.					
91 m and p-Xylene	106	Compound Not Detected.					
92 o-Xylene	106	Compound Not Detected.					
93 Styrene	104	Compound Not Detected.					
94 Bromoform	173	Compound Not Detected.					
95 isopropyl benzene	105	Compound Not Detected.					
96 cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97 Cyclohexanone	55	Compound Not Detected.					
99 Bromobenzene	156	Compound Not Detected.					
100 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101 1,2,3-Trichloropropane	110	Compound Not Detected.					
102 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103 n-Propylbenzene	120	Compound Not Detected.					
104 2-Chlorotoluene	126	Compound Not Detected.					
106 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
105 4-Chlorotoluene	126	Compound Not Detected.					
107 tert-Butylbenzene	119	Compound Not Detected.					
108 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109 sec-Butylbenzene	134	Compound Not Detected.					
110 1,3-Dichlorobenzene	146	Compound Not Detected.					
112 4-Isopropyltoluene	119	Compound Not Detected.					
113 1,4-dichlorobenzene	146	Compound Not Detected.					
116 n-Butylbenzene	91	Compound Not Detected.					
115 1,2-Dichlorobenzene	146	Compound Not Detected.					
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119 Hexachlorobutadiene	225	Compound Not Detected.					
120 Naphthalene	128	Compound Not Detected.					
121 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

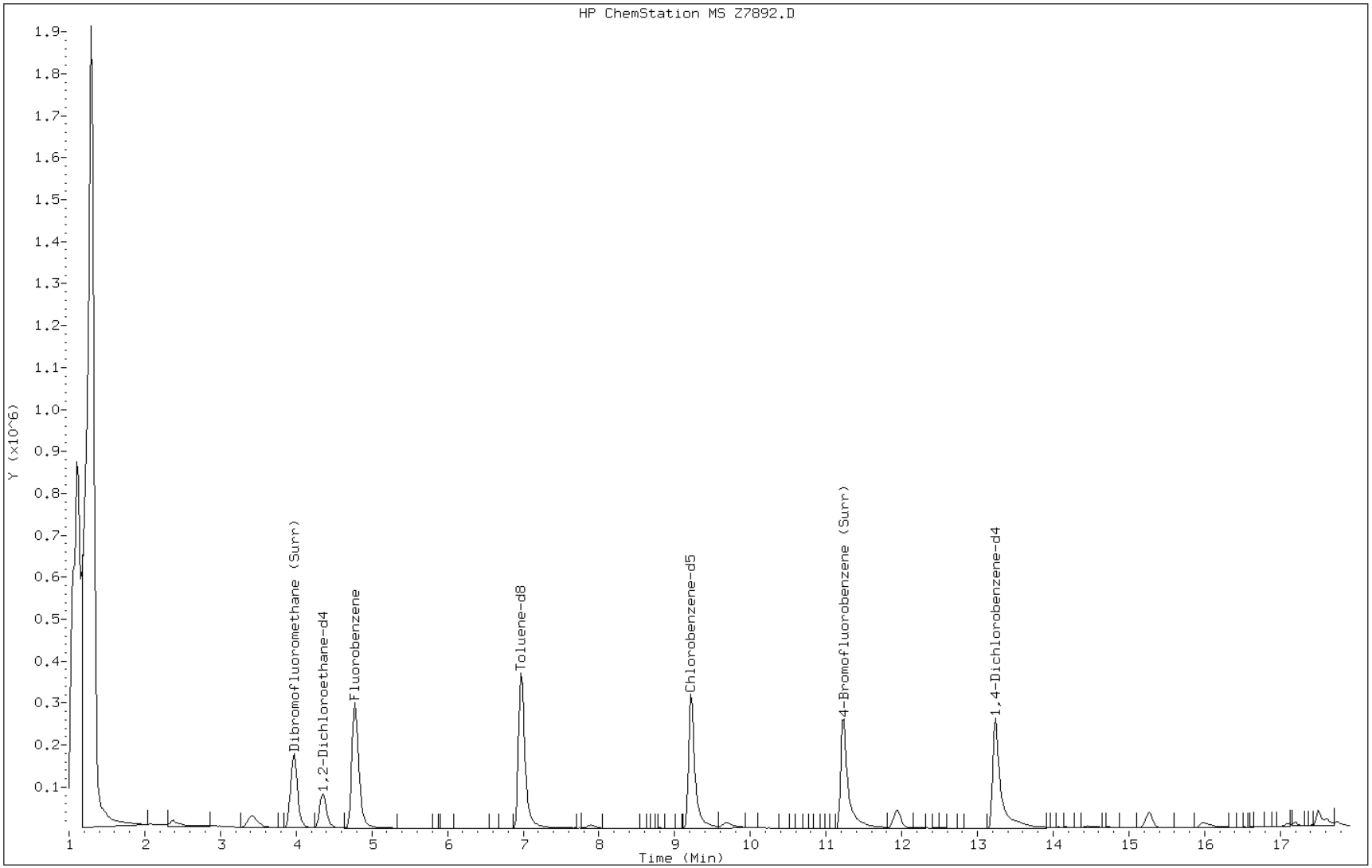
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Z7892.D

Date: 29-JUN-2012 12:59

Client ID: 061912QR Instrument: Z.i

Sample Info: 280-30235-b-11,,PH<2 Operator: MEIERG



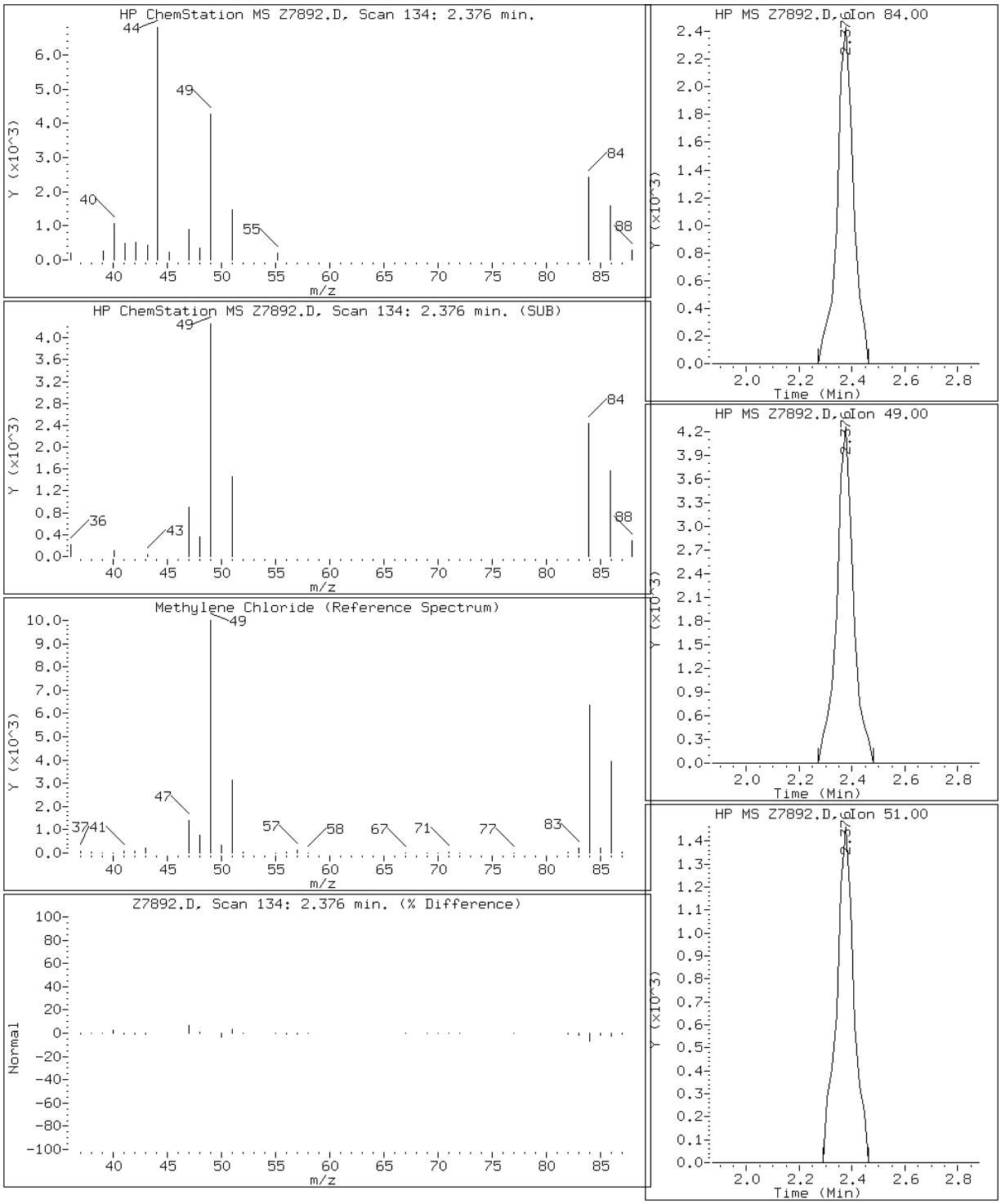
Data File: Z7892.D

Date: 29-JUN-2012 12:59

Client ID: 061912QR Instrument: Z.i

Sample Info: 280-30235-b-11,,PH<2 Operator: MEIERG

28 Methylene Chloride



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30235-1 Analy Batch No.: 123533

SDG No.:

Instrument ID: MSV_Z GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2012 10:59 Calibration End Date: 06/11/2012 12:46 Calibration ID: 9582

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-123533/2	Z7128.D
Level 2	IC 280-123533/3	Z7129.D
Level 3	IC 280-123533/4	Z7130.D
Level 4	ICIS 280-123533/5	Z7131.D
Level 5	IC 280-123533/6	Z7132.D
Level 6	IC 280-123533/7	Z7133.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorofluoromethane	1.0711 0.9494	0.9390	1.0991	1.0722	0.9309	Ave		1.0103				7.7		15.0			
Isopropyl alcohol	+++++ 0.0074	0.0080	0.0091	0.0090	0.0075	Ave		0.0082				10.0		15.0			
Ethyl ether	0.2679 0.2225	0.2292	0.2642	0.2588	0.2221	Ave		0.2441				8.9		15.0			
2,2-Dichloro-1,1,1-trifluoroethane	1.1176 0.9599	0.9811	1.1427	1.1108	0.9464	Ave		1.0431				8.6		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5627 0.5172	0.5057	0.5873	0.5898	0.5004	Ave		0.5439				7.5		15.0			
Carbon disulfide	1.6210 1.4387	1.4364	1.6359	1.6020	1.3839	Ave		1.5196				7.4		15.0			
Methyl acetate	0.1139 0.1063	0.1002	0.1157	0.1160	0.1018	Ave		0.1090				6.5		15.0			
Allyl chloride	0.7914 0.7357	0.7126	0.8185	0.8163	0.7210	Ave		0.7659				6.3		15.0			
Methyl tert-butyl ether	+++++ 0.5932	0.5615	0.6460	0.6523	0.5733	Ave		0.6053				6.9		15.0			
Hexane	3.1702 3.1792	3.1884	3.3399	3.3297	3.2281	Ave		3.2392				2.4		15.0			
Vinyl acetate	0.5334 0.5445	0.4494	0.5590	0.5562	0.4952	Ave		0.5230				8.2		15.0			
Tert-butyl ethyl ether	1.2727 1.1798	1.1129	1.2826	1.3088	1.1470	Ave		1.2173				6.7		15.0			
Ethyl acetate	+++++ 0.2274	0.1408	0.2300	0.2440	0.2251	Lin2	0.1248	0.2473							0.9916		0.9900
2-Butanol	+++++ 0.0119	0.0082	0.0108	0.0114	0.0119	Ave		0.0108				14.2		15.0			
Tetrahydrofuran	+++++ 0.0388	0.0321	0.0346	0.0374	0.0391	Ave		0.0364				8.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30235-1 Analy Batch No.: 123533

SDG No.:

Instrument ID: MSV_Z GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2012 10:59 Calibration End Date: 06/11/2012 12:46 Calibration ID: 9582

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexane	0.8951 0.7906	0.8095	0.8407	0.8205	0.8065	Ave		0.8271				4.5		15.0			
2-Pentanone	+++++ 0.1472	0.1452	0.1721	0.1823	0.1947	Ave		0.1683				12.9		15.0			
Tert-amyl methyl ether	0.9110 0.7768	0.7992	0.8302	0.8325	0.8250	Ave		0.8291				5.5		15.0			
Methylcyclohexane	0.8163 0.7115	0.7573	0.7741	0.7653	0.7322	Ave		0.7594				4.8		15.0			
Methyl methacrylate	+++++ 0.0507	0.0430	0.0517	0.0528	0.0495	Ave		0.0495				7.8		15.0			
2-Nitropropane	+++++ 0.0302	0.0137	0.0232	0.0263	0.0266	Lin2	0.0852	0.0293							0.9979		0.9900
2-Chloroethyl vinyl ether	+++++ 0.1280	0.0849	0.1075	0.1176	0.1157	Ave		0.1108				14.6		15.0			
Ethyl methacrylate	1.1919 1.5046	1.1835	1.3215	1.3630	1.4257	Ave		1.3317				9.6		15.0			
trans-1,4-Dichloro-2-butene	+++++ 0.1880	0.1145	0.1587	0.1474	0.1837	Lin2	0.0619	0.1832							0.9935		0.9900
cis-1,4-Dichloro-2-butene	+++++ 0.2286	0.0557	0.1467	0.1847	0.2493	Lin2	0.1282	0.2390							0.9925		0.9900
Dibromofluoromethane (Surr)	+++++ 0.6385	0.7261	0.7159	0.6956	0.6740	Ave		0.6900				5.1		15.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2912	0.3562	0.3437	0.3244	0.3162	Ave		0.3263				7.7		15.0			
Toluene-d8 (Surr)	6.5660 6.0300	6.6962	6.2600	6.1195	5.8284	Ave		6.2500				5.3		15.0			
4-Bromofluorobenzene (Surr)	2.5453 2.0837	2.1140	2.1982	2.1572	2.3996	Ave		2.2497				8.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30235-1 Analy Batch No.: 123533

SDG No.:

Instrument ID: MSV_Z GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2012 10:59 Calibration End Date: 06/11/2012 12:46 Calibration ID: 9582

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-123533/2	Z7128.D
Level 2	IC 280-123533/3	Z7129.D
Level 3	IC 280-123533/4	Z7130.D
Level 4	ICIS 280-123533/5	Z7131.D
Level 5	IC 280-123533/6	Z7132.D
Level 6	IC 280-123533/7	Z7133.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorofluoromethane	FB	Ave	86415 4589173	152760	392870	782367	2322303	1.00 60.0	2.00	5.00	10.0	30.0
Isopropyl alcohol	FB	Ave	+++++ 716430	26126	65311	131783	374145	+++++ 1200	40.0	100	200	600
Ethyl ether	FB	Ave	21612 1075643	37278	94457	188834	554195	1.00 60.0	2.00	5.00	10.0	30.0
2,2-Dichloro-1,1,1-trifluoroethane	FB	Ave	90164 4639876	159601	408464	810492	2360922	1.00 60.0	2.00	5.00	10.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	45400 2499939	82258	209938	430381	1248458	1.00 60.0	2.00	5.00	10.0	30.0
Carbon disulfide	FB	Ave	130781 6954443	233664	584760	1168916	3452505	1.00 60.0	2.00	5.00	10.0	30.0
Methyl acetate	FB	Ave	45965 2569574	81512	206834	423278	1270258	5.00 300	10.0	25.0	50.0	150
Allyl chloride	FB	Ave	63849 3556196	115925	292588	595638	1798815	1.00 60.0	2.00	5.00	10.0	30.0
Methyl tert-butyl ether	FB	Ave	+++++ 2867360	91346	230934	475986	1430326	+++++ 60.0	2.00	5.00	10.0	30.0
Hexane	CBZ	Ave	59327 3371333	108116	270418	556624	1658418	1.00 60.0	2.00	5.00	10.0	30.0
Vinyl acetate	FB	Ave	86064 5263808	146215	399621	811743	2470940	2.00 120	4.00	10.0	20.0	60.0
Tert-butyl ethyl ether	FB	Ave	513381 28514214	905222	2292346	4774762	14307474	5.00 300	10.0	25.0	50.0	150
Ethyl acetate	FB	Lin2	+++++ 2198162	45800	164401	356104	1123247	+++++ 120	4.00	10.0	20.0	60.0
2-Butanol	FB	Ave	+++++ 1720202	39940	115430	249002	888757	+++++ 1800	60.0	150	300	900
Tetrahydrofuran	FB	Ave	+++++ 375259	10442	24746	54559	195092	+++++ 120	4.00	10.0	20.0	60.0
Cyclohexane	FB	Ave	72212 3821863	131685	300529	598677	2011898	1.00 60.0	2.00	5.00	10.0	30.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30235-1 Analy Batch No.: 123533

SDG No.:

Instrument ID: MSV_Z GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2012 10:59 Calibration End Date: 06/11/2012 12:46 Calibration ID: 9582

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Pentanone	FB	Ave	+++++ 2845490	94497	246127	532179	1943196	+++++ 240	8.00	20.0	40.0	120
Tert-amyl methyl ether	FB	Ave	367494 18775999	650078	1483823	3037328	10290690	5.00 300	10.0	25.0	50.0	150
Methylcyclohexane	FB	Ave	65856 3439090	123198	276715	558405	1826712	1.00 60.0	2.00	5.00	10.0	30.0
Methyl methacrylate	FB	Ave	+++++ 490041	13998	36939	77117	247020	+++++ 120	4.00	10.0	20.0	60.0
2-Nitropropane	FB	Lin2	+++++ 145922	2235	8281	19178	66379	+++++ 60.0	2.00	5.00	10.0	30.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 618628	13813	38440	85841	288715	+++++ 60.0	2.00	5.00	10.0	30.0
Ethyl methacrylate	CBZ	Ave	44611 3190987	80266	213988	455699	1464894	2.00 120	4.00	10.0	20.0	60.0
trans-1,4-Dichloro-2-butene	DCB	Lin2	+++++ 297691	5974	19494	35898	137296	+++++ 60.0	2.00	5.00	10.0	30.0
cis-1,4-Dichloro-2-butene	DCB	Lin2	+++++ 362146	2903	18011	44970	186314	+++++ 60.0	2.00	5.00	10.0	30.0
Dibromofluoromethane (Surr)	FB	Ave	+++++ 3086260	118122	255904	507528	1681507	+++++ 60.0	2.00	5.00	10.0	30.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 1407494	57947	122861	236712	788842	+++++ 60.0	2.00	5.00	10.0	30.0
Toluene-d8 (Surr)	CBZ	Ave	122874 6394352	227064	506855	1023010	2994299	1.00 60.0	2.00	5.00	10.0	30.0
4-Bromofluorobenzene (Surr)	DCB	Ave	65745 3300345	110277	269962	525318	1793196	1.00 60.0	2.00	5.00	10.0	30.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\Z7128.D
Lab Smp Id: IC
Inj Date : 11-JUN-2012 10:59
Operator : MEIERG Inst ID: Z.i
Smp Info : IC,,S1.0
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\8260B-H2O.m
Meth Date : 11-Jun-2012 23:25 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	4.761	4.761	(1.000)	1008473	12.5000	
* 86 Chlorobenzene-d5	119	9.216	9.216	(1.000)	233922	12.5000	
* 111 1,4-Dichlorobenzene-d4	152	13.235	13.235	(1.000)	322880	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	3.961	3.961	(0.832)	63116	1.00000	1.13378
$ 56 1,2-Dichloroethane-d4	65	4.344	4.344	(0.912)	30106	1.00000	1.14348
$ 75 Toluene-d8	98	6.989	6.989	(0.758)	122874	1.00000	1.05055
$ 98 4-Bromofluorobenzene (Surr)	95	11.269	11.269	(0.851)	65745	1.00000	1.13139
11 Ethylene Oxide	43	1.577	1.577	(0.331)	77467	125.000	143.676(a)
14 Dichlorofluoromethane	67	1.734	1.734	(0.364)	86415	1.00000	1.06021(a)
19 1,2-dichloro-1,1,2-trifluoro	117	1.908	1.908	(0.401)	53778	1.00000	1.11270(a)
17 Ethyl Ether	59	1.908	1.908	(0.401)	21612	1.00000	1.09731(a)
20 2,2-dichloro-1,1,1-trifluoro	83	1.942	1.942	(0.408)	90164	1.00000	1.07144(a)
24 Trichlorotrifluoroethane	151	2.116	2.116	(0.445)	45400	1.00000	1.03471(a)
18 2-propanol	45	1.890	1.890	(0.397)	15082	20.0000	22.7394(a)
27 Methyl Acetate	43	2.273	2.273	(0.477)	45965	5.00000	5.22649
39 Allyl Chloride	41	2.273	2.273	(0.477)	63849	1.00000	1.03326(a)
26 Carbon Disulfide	76	2.238	2.238	(0.470)	130781	1.00000	1.06672(a)
33 Methyl t-butyl ether	73	2.586	2.586	(0.543)	52547	1.00000	1.07606(a)
34 Hexane	57	2.778	2.778	(0.301)	59327	1.00000	0.978696(a)
35 Vinyl acetate	43	2.934	2.934	(0.616)	86064	2.00000	2.03989(a)
40 ETBE	59	3.334	3.334	(0.700)	513381	5.00000	5.22751
44 Ethyl Acetate	43	3.543	3.543	(0.744)	38146	2.00000	3.47216(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
48 Tetrahydrofuran	42	3.769	3.769	(0.792)	9163	2.00000	3.12002(a)
49 2-Butanol	45	3.735	3.735	(0.784)	21787	30.0000	24.9767
53 Cyclohexane	56	4.100	4.100	(0.861)	72212	1.00000	1.08212(a)
60 TAME	73	4.605	4.605	(0.967)	367494	5.00000	5.49377
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	5.527	5.527	(1.161)	65856	1.00000	1.07484
68 Methyl Methacrylate	100	5.788	5.788	(1.216)	7237	2.00000	1.81046(a)
71 2-nitropropane	41	6.258	6.258	(1.314)	2254	1.00000	2.01734(aQ)
72 2-Chloroethyl vinyl ether	63	6.467	6.467	(1.358)	5252	1.00000	0.587744(aQ)
78 Ethyl methacrylate	69	7.702	7.702	(0.836)	44611	2.00000	1.79009(a)
83 Tetrahydrothiophene	60	Compound Not Detected.					
96 cis-1,4-dichloro-2-butene	53	11.234	11.234	(0.849)	1264	1.00000	1.80706(aQ)
102 t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
114 1,2,3-Trimethylbenzene	105	13.409	13.409	(1.013)	103468	1.00000	1.01804

QC Flag Legend

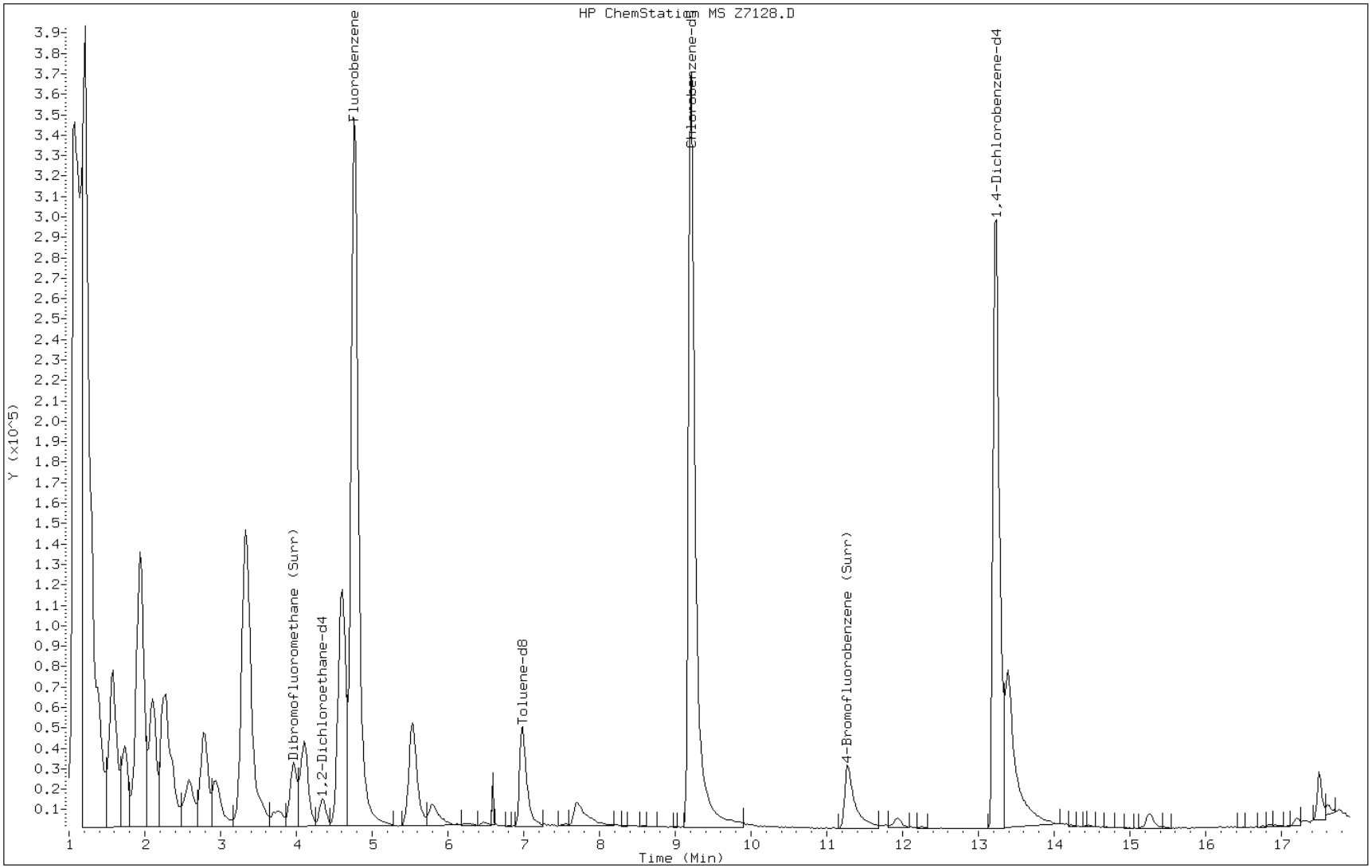
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Z7128.D

Date: 11-JUN-2012 10:59

Client ID: Instrument: Z.i

Sample Info: IC,,S1.0 Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\Z7129.D
Lab Smp Id: IC
Inj Date : 11-JUN-2012 11:21
Operator : MEIERG Inst ID: Z.i
Smp Info : IC,,S2.0
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\8260B-H2O.m
Meth Date : 11-Jun-2012 23:25 Z.i Quant Type: ISTD
Cal Date : 11-JUN-2012 10:59 Cal File: Z7128.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	4.779	4.779	(1.000)	1016727	12.5000	
* 86 Chlorobenzene-d5	119	9.216	9.216	(1.000)	211934	12.5000	
* 111 1,4-Dichlorobenzene-d4	152	13.236	13.236	(1.000)	326032	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	3.961	3.961	(0.829)	118122	2.00000	2.10465
$ 56 1,2-Dichloroethane-d4	65	4.344	4.344	(0.909)	57947	2.00000	2.18306
$ 75 Toluene-d8	98	6.989	6.989	(0.758)	227064	2.00000	2.14277
$ 98 4-Bromofluorobenzene (Surr)	95	11.252	11.252	(0.850)	110277	2.00000	1.87939
11 Ethylene Oxide	43	1.577	1.577	(0.330)	134950	250.000	248.257(a)
14 Dichlorofluoromethane	67	1.751	1.751	(0.367)	152760	2.00000	1.85897(a)
19 1,2-dichloro-1,1,2-trifluoro	117	1.925	1.925	(0.403)	90537	2.00000	1.85805(a)
17 Ethyl Ether	59	1.908	1.908	(0.399)	37278	2.00000	1.87736(a)
20 2,2-dichloro-1,1,1-trifluoro	83	1.943	1.943	(0.407)	159601	2.00000	1.88119(a)
24 Trichlorotrifluoroethane	151	2.117	2.117	(0.443)	82258	2.00000	1.85952(a)
18 2-propanol	45	1.908	1.908	(0.399)	26126	40.0000	39.0709(a)
27 Methyl Acetate	43	2.291	2.291	(0.479)	81512	10.0000	9.19315
39 Allyl Chloride	41	2.291	2.291	(0.479)	115925	2.00000	1.86077(a)
26 Carbon Disulfide	76	2.239	2.239	(0.468)	233664	2.00000	1.89041(a)
33 Methyl t-butyl ether	73	2.587	2.587	(0.541)	91346	2.00000	1.85540(a)
34 Hexane	57	2.795	2.795	(0.303)	108116	2.00000	1.96859(a)
35 Vinyl acetate	43	2.935	2.935	(0.614)	146215	4.00000	3.43746
40 ETBE	59	3.335	3.335	(0.698)	905222	10.0000	9.14260
44 Ethyl Acetate	43	3.561	3.561	(0.745)	45800	4.00000	3.83710(aQ)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
48	Tetrahydrofuran	42	3.787	3.787	(0.792)	10442	4.00000	3.52665(aQ)
49	2-Butanol	45	3.735	3.735	(0.782)	39940	60.0000	45.4157
53	Cyclohexane	56	4.101	4.101	(0.858)	131685	2.00000	1.95731(a)
60	TAME	73	4.605	4.605	(0.964)	650078	10.0000	9.63930
64	2-Pentanone	43	5.580	5.580	(1.167)	94497	8.00000	6.90230
65	Methyl Cyclohexane	55	5.527	5.527	(1.157)	123198	2.00000	1.99440
68	Methyl Methacrylate	100	5.771	5.771	(1.208)	13998	4.00000	3.47342(a)
71	2-nitropropane	41	6.258	6.258	(1.309)	2235	2.00000	2.00164(aQ)
72	2-Chloroethyl vinyl ether	63	6.467	6.467	(1.353)	13813	2.00000	1.53324(aQ)
78	Ethyl methacrylate	69	7.685	7.685	(0.834)	80266	4.00000	3.55497
83	Tetrahydrothiophene	60	8.346	8.346	(0.906)	1647	2.00000	2.09514(Q)
96	cis-1,4-dichloro-2-butene	53	11.183	11.183	(0.845)	2903	2.00000	2.06796(a)
102	t-1,4-Dichloro-2-butene	53	11.792	11.792	(0.891)	5974	2.00000	2.02368(aQ)
114	1,2,3-Trimethylbenzene	105	13.392	13.392	(1.012)	193460	2.00000	1.88508

QC Flag Legend

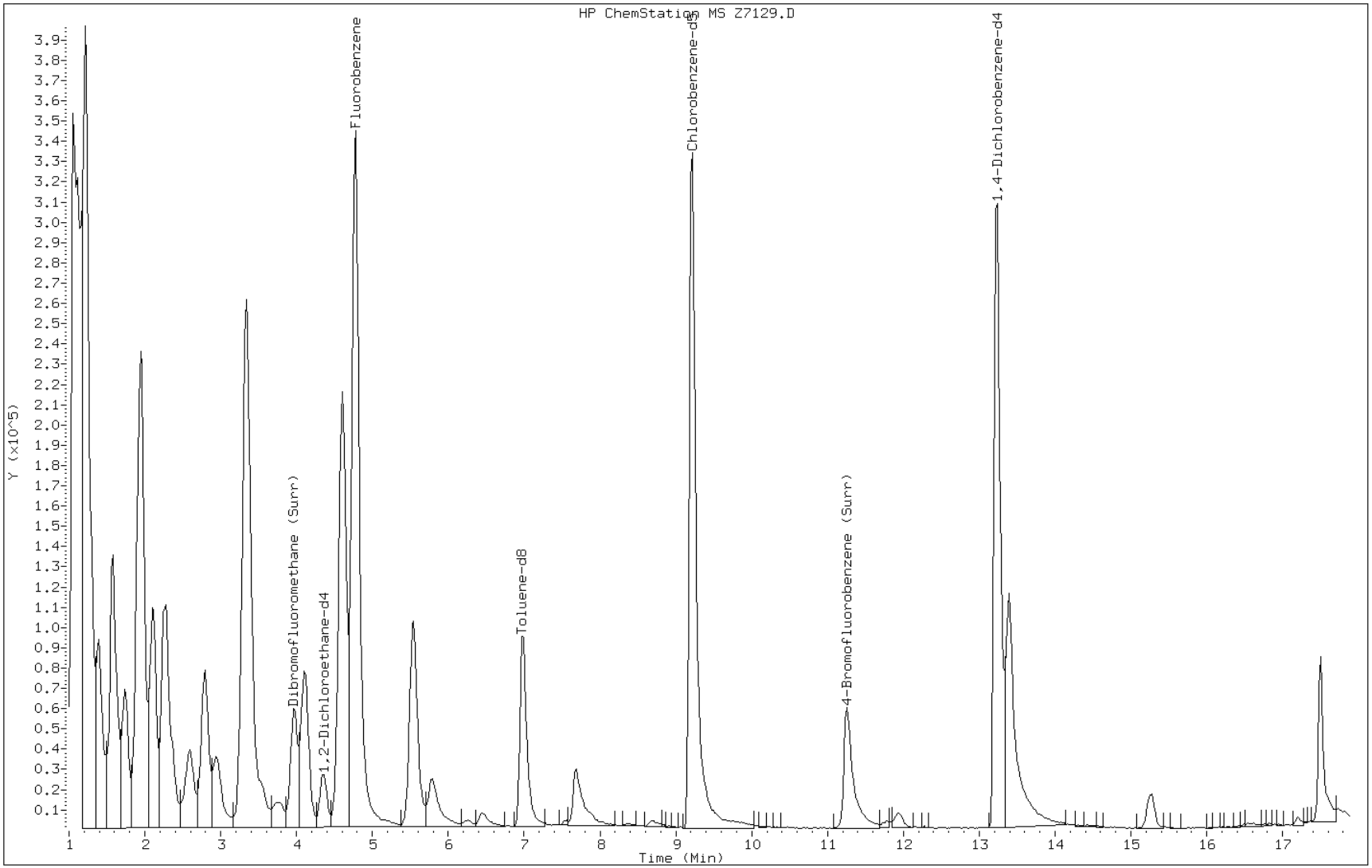
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Z7129.D

Date: 11-JUN-2012 11:21

Client ID: Instrument: Z.i

Sample Info: IC,,S2.0 Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\Z7130.D
Lab Smp Id: IC
Inj Date : 11-JUN-2012 11:42
Operator : MEIERG Inst ID: Z.i
Smp Info : IC,,S5.0
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\8260B-H2O.m
Meth Date : 11-Jun-2012 23:25 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 13:44 Cal File: Z4907.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	4.761	4.761	(1.000)	893657	12.5000	
* 86 Chlorobenzene-d5	119	9.216	9.216	(1.000)	202417	12.5000	
* 111 1,4-Dichlorobenzene-d4	152	13.218	13.218	(1.000)	307029	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	3.961	3.961	(0.832)	255904	5.00000	5.18752
$ 56 1,2-Dichloroethane-d4	65	4.344	4.344	(0.912)	122861	5.00000	5.26602
$ 75 Toluene-d8	98	6.971	6.971	(0.756)	506855	5.00000	5.00801
$ 98 4-Bromofluorobenzene (Surr)	95	11.217	11.217	(0.849)	269962	5.00000	4.88557
11 Ethylene Oxide	43	1.577	1.577	(0.331)	336333	625.000	703.934
14 Dichlorofluoromethane	67	1.751	1.751	(0.368)	392870	5.00000	5.43932
19 1,2-dichloro-1,1,2-trifluoro	117	1.925	1.925	(0.404)	230127	5.00000	5.37319
17 Ethyl Ether	59	1.908	1.908	(0.401)	94457	5.00000	5.41207
20 2,2-dichloro-1,1,1-trifluoro	83	1.942	1.942	(0.408)	408464	5.00000	5.47752
24 Trichlorotrifluoroethane	151	2.116	2.116	(0.445)	209938	5.00000	5.39942
18 2-propanol	45	1.908	1.908	(0.401)	65311	100.000	111.122
27 Methyl Acetate	43	2.290	2.290	(0.481)	206834	25.0000	26.5398
39 Allyl Chloride	41	2.290	2.290	(0.481)	292588	5.00000	5.34326
26 Carbon Disulfide	76	2.238	2.238	(0.470)	584760	5.00000	5.38239
33 Methyl t-butyl ether	73	2.586	2.586	(0.543)	230934	5.00000	5.33665
34 Hexane	57	2.795	2.795	(0.303)	270418	5.00000	5.15531
35 Vinyl acetate	43	2.934	2.934	(0.616)	399621	10.0000	10.6888
40 ETBE	59	3.334	3.334	(0.700)	2292346	25.0000	26.3408
44 Ethyl Acetate	43	3.543	3.543	(0.744)	164401	10.0000	10.8578

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
48	Tetrahydrofuran	42	3.787	3.787	(0.795)	24746	10.0000	9.50862
49	2-Butanol	45	3.717	3.717	(0.781)	115430	150.000	149.331
53	Cyclohexane	56	4.100	4.100	(0.861)	300529	5.00000	5.08211
60	TAME	73	4.605	4.605	(0.967)	1483823	25.0000	25.0320
64	2-Pentanone	43	5.527	5.527	(1.161)	246127	20.0000	20.4535
65	Methyl Cyclohexane	55	5.527	5.527	(1.161)	276715	5.00000	5.09652
68	Methyl Methacrylate	100	5.771	5.771	(1.212)	36939	10.0000	10.4282
71	2-nitropropane	41	6.223	6.223	(1.307)	8281	5.00000	5.01273(M)
72	2-Chloroethyl vinyl ether	63	6.414	6.414	(1.347)	38440	5.00000	4.85446
78	Ethyl methacrylate	69	7.650	7.650	(0.830)	213988	10.0000	9.92310
83	Tetrahydrothiophene	60	8.294	8.294	(0.900)	21198	5.00000	4.58482(Q)
96	cis-1,4-dichloro-2-butene	53	11.130	11.130	(0.842)	18011	5.00000	4.66993(Q)
102	t-1,4-Dichloro-2-butene	53	11.704	11.704	(0.885)	19494	5.00000	5.10629(Q)
114	1,2,3-Trimethylbenzene	105	13.392	13.392	(1.013)	484596	5.00000	5.01416

QC Flag Legend

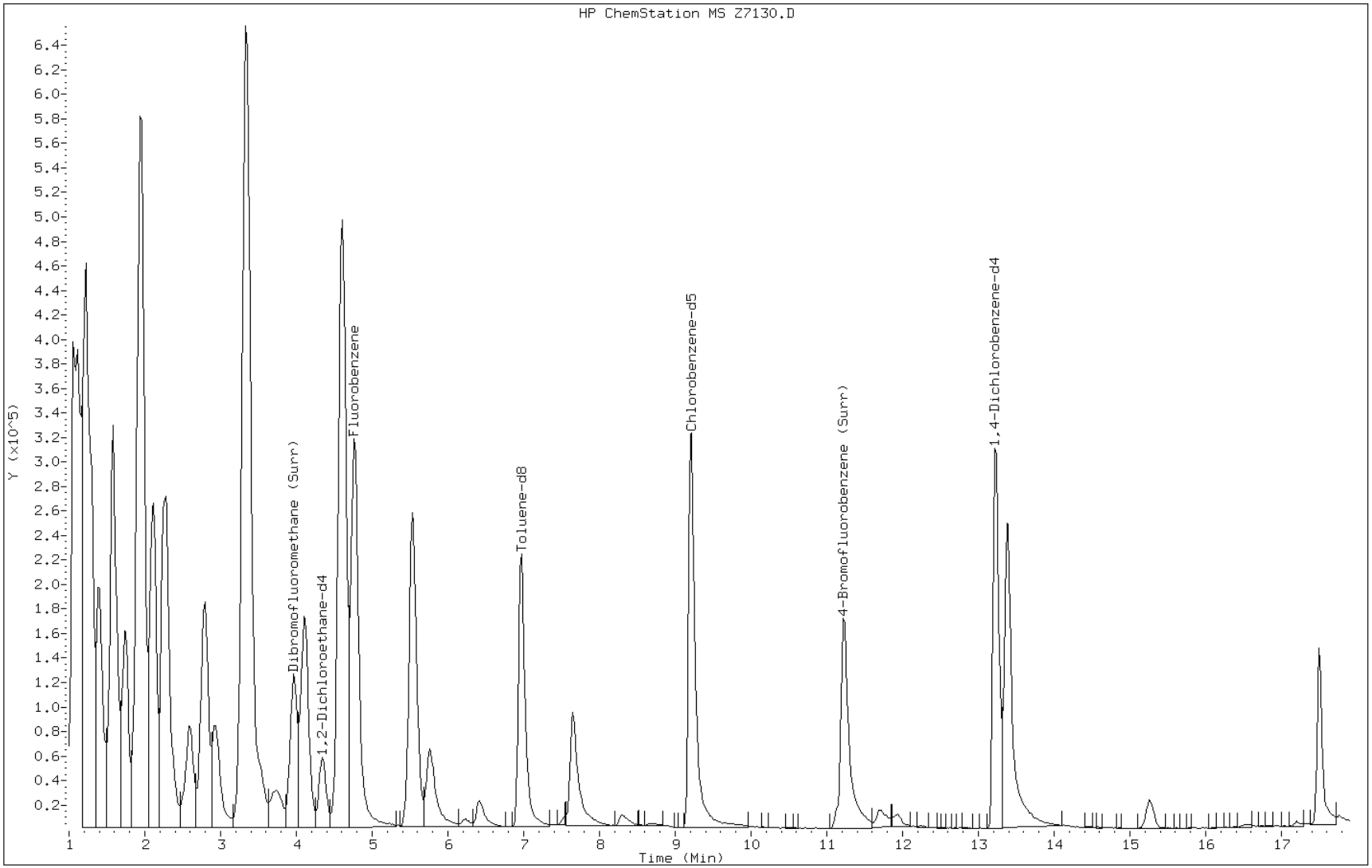
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: Z7130.D

Date: 11-JUN-2012 11:42

Client ID: Instrument: Z.i

Sample Info: IC,,S5.0 Operator: MEIERG



Manual Integration Report

Data File: Z7130.D
Inj. Date and Time: 11-JUN-2012 11:42
Instrument ID: Z.i
Client ID:
Compound: 71 2-nitropropane
CAS #: 79-46-9
Report Date: 06/12/2012

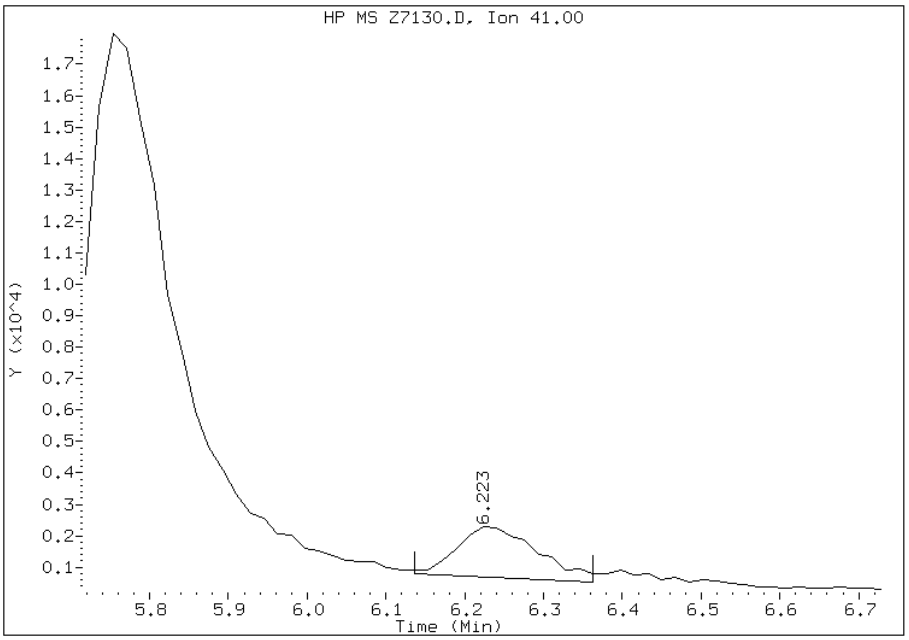
Processing Integration Results

RT: 6.22

Response: 11717

Amount: 6

Conc: 6



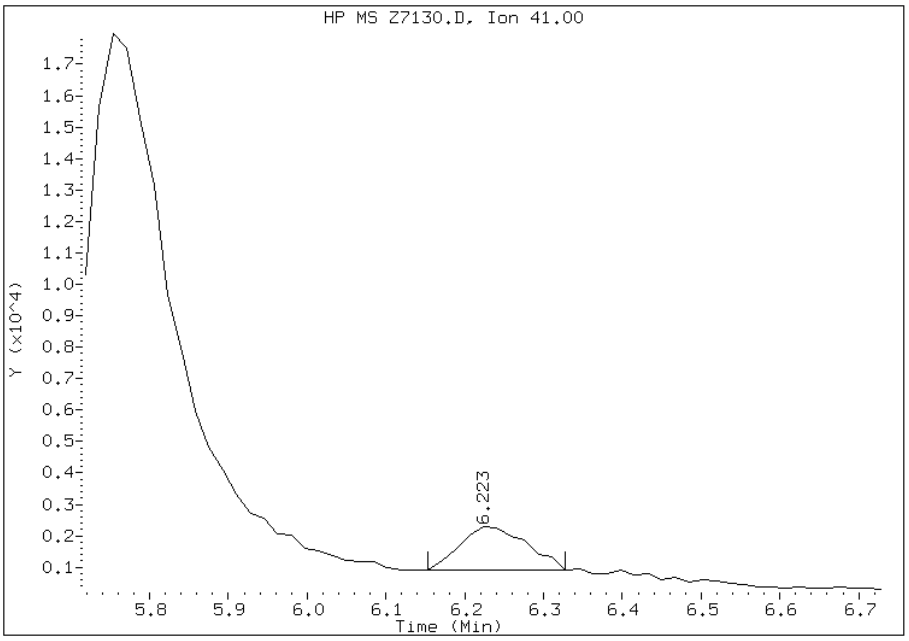
Manual Integration Results

RT: 6.22

Response: 8281

Amount: 5

Conc: 5



Manually Integrated By: tinkhams
Manual Integration Reason: Baseline Event

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\Z7131.D
Lab Smp Id: ICIS
Inj Date : 11-JUN-2012 12:03
Operator : MEIERG Inst ID: Z.i
Smp Info : ICIS,,S10
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\8260B-H2O.m
Meth Date : 11-Jun-2012 23:28 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	4.767	4.767	(1.000)	912076	12.5000	
* 86 Chlorobenzene-d5	119	9.204	9.204	(1.000)	208964	12.5000	
* 111 1,4-Dichlorobenzene-d4	152	13.224	13.224	(1.000)	304398	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	3.966	3.966	(0.832)	507528	10.0000	10.0805
$ 56 1,2-Dichloroethane-d4	65	4.349	4.349	(0.912)	236712	10.0000	9.94096
$ 75 Toluene-d8	98	6.959	6.959	(0.756)	1023010	10.0000	9.79123
$ 98 4-Bromofluorobenzene (Surr)	95	11.205	11.205	(0.847)	525318	10.0000	9.58898
11 Ethylene Oxide	43	1.583	1.583	(0.332)	665382	1250.00	1364.50
14 Dichlorofluoromethane	67	1.757	1.757	(0.369)	782367	10.0000	10.6132
19 1,2-dichloro-1,1,2-trifluoro	117	1.931	1.931	(0.405)	462128	10.0000	10.5722
17 Ethyl Ether	59	1.913	1.913	(0.401)	188834	10.0000	10.6011
20 2,2-dichloro-1,1,1-trifluoro	83	1.948	1.948	(0.409)	810492	10.0000	10.6492
24 Trichlorotrifluoroethane	151	2.122	2.122	(0.445)	430381	10.0000	10.8455
18 2-propanol	45	1.913	1.913	(0.401)	131783	200.000	219.692
27 Methyl Acetate	43	2.279	2.279	(0.478)	423278	50.0000	53.2159
39 Allyl Chloride	41	2.296	2.296	(0.482)	595638	10.0000	10.6579
26 Carbon Disulfide	76	2.244	2.244	(0.471)	1168916	10.0000	10.5419
33 Methyl t-butyl ether	73	2.592	2.592	(0.544)	475986	10.0000	10.7774
34 Hexane	57	2.801	2.801	(0.304)	556624	10.0000	10.2791
35 Vinyl acetate	43	2.940	2.940	(0.617)	811743	20.0000	21.2734
40 ETBE	59	3.340	3.340	(0.701)	4774762	50.0000	53.7576
44 Ethyl Acetate	43	3.531	3.531	(0.741)	356104	20.0000	21.2924(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
48	Tetrahydrofuran	42	3.775	3.775	(0.792)	54559	20.0000	20.5409
49	2-Butanol	45	3.705	3.705	(0.777)	249002	300.000	315.627
53	Cyclohexane	56	4.106	4.106	(0.861)	598677	10.0000	9.91950
60	TAME	73	4.610	4.610	(0.967)	3037328	50.0000	50.2048
64	2-Pentanone	43	5.515	5.515	(1.157)	532179	40.0000	43.3318
65	Methyl Cyclohexane	55	5.532	5.532	(1.161)	558405	10.0000	10.0770
68	Methyl Methacrylate	100	5.759	5.759	(1.208)	77117	20.0000	21.3312
71	2-nitropropane	41	6.228	6.228	(1.307)	19178	10.0000	10.0227
72	2-Chloroethyl vinyl ether	63	6.402	6.402	(1.343)	85841	10.0000	10.6216
78	Ethyl methacrylate	69	7.638	7.638	(0.830)	455699	20.0000	20.4697
83	Tetrahydrothiophene	60	8.282	8.282	(0.900)	58364	10.0000	9.06785
96	cis-1,4-dichloro-2-butene	53	11.118	11.118	(0.841)	44970	10.0000	9.32771(Q)
102	t-1,4-Dichloro-2-butene	53	11.658	11.658	(0.882)	35898	10.0000	8.82152
114	1,2,3-Trimethylbenzene	105	13.380	13.380	(1.012)	983257	10.0000	10.2618

QC Flag Legend

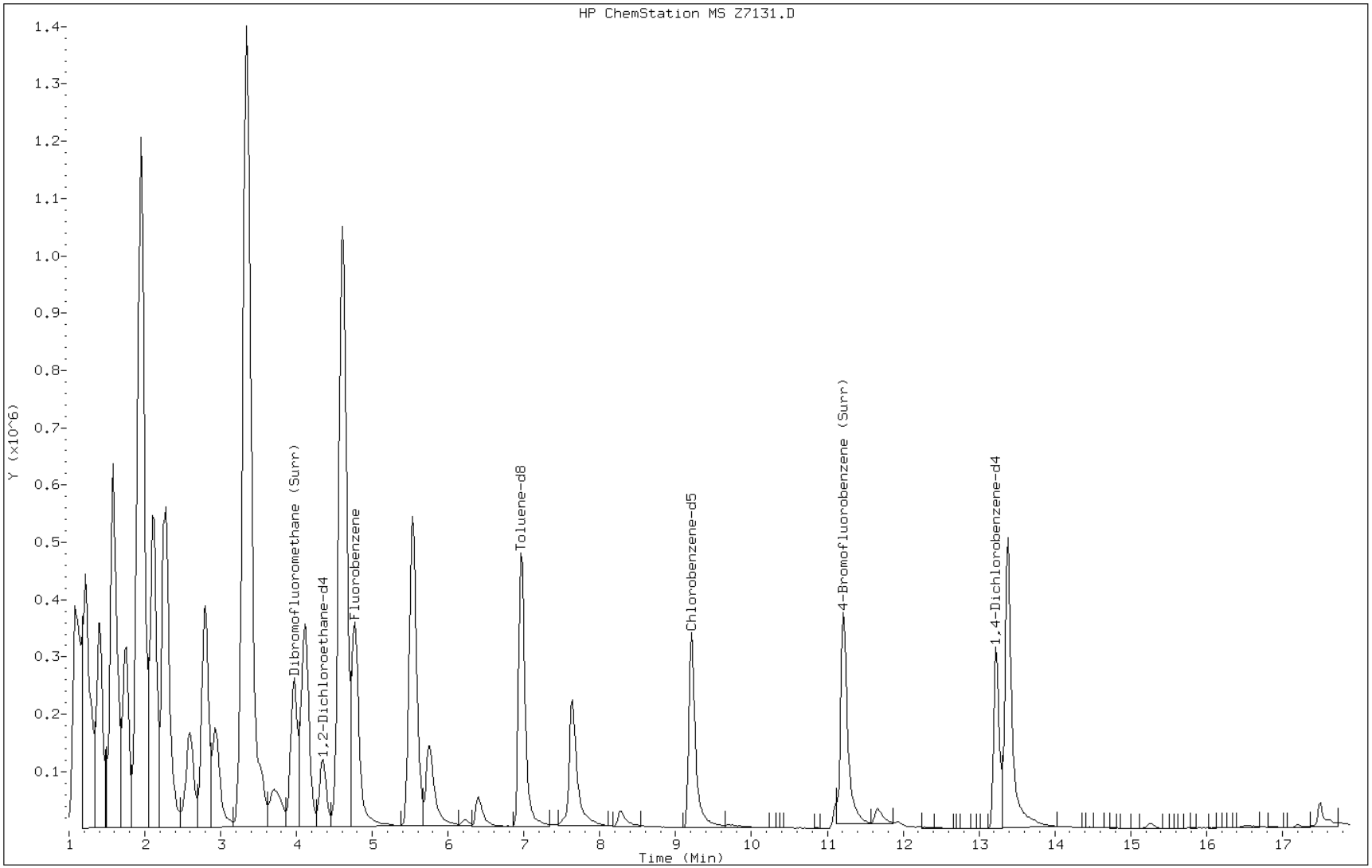
Q - Qualifier signal failed the ratio test.

Data File: Z7131.D

Date: 11-JUN-2012 12:03

Client ID: Instrument: Z.i

Sample Info: ICIS,,S10 Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\Z7132.D
Lab Smp Id: IC
Inj Date : 11-JUN-2012 12:25
Operator : MEIERG Inst ID: Z.i
Smp Info : IC,,S30
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\8260B-H2O.m
Meth Date : 11-Jun-2012 23:25 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 14:27 Cal File: Z4909.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	4.762	4.762	(1.000)	1039473	12.5000	
* 86 Chlorobenzene-d5	119	9.199	9.199	(1.000)	214059	12.5000	
* 111 1,4-Dichlorobenzene-d4	152	13.219	13.219	(1.000)	311366	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	3.944	3.944	(0.828)	1681507	30.0000	29.3048
$ 56 1,2-Dichloroethane-d4	65	4.327	4.327	(0.909)	788842	30.0000	29.0680
$ 75 Toluene-d8	98	6.955	6.955	(0.756)	2994299	30.0000	27.9763
$ 98 4-Bromofluorobenzene (Surr)	95	11.200	11.200	(0.847)	1793196	30.0000	31.9999
11 Ethylene Oxide	43	1.561	1.561	(0.328)	1881866	3750.00	3386.17
14 Dichlorofluoromethane	67	1.735	1.735	(0.364)	2322303	30.0000	27.6422
19 1,2-dichloro-1,1,2-trifluoro	117	1.909	1.909	(0.401)	1346821	30.0000	27.0354
17 Ethyl Ether	59	1.891	1.891	(0.397)	554195	30.0000	27.2992
20 2,2-dichloro-1,1,1-trifluoro	83	1.943	1.943	(0.408)	2360922	30.0000	27.2188
24 Trichlorotrifluoroethane	151	2.100	2.100	(0.441)	1248458	30.0000	27.6050
18 2-propanol	45	1.891	1.891	(0.397)	374145	600.000	547.283
27 Methyl Acetate	43	2.274	2.274	(0.478)	1270258	150.000	140.128
39 Allyl Chloride	41	2.274	2.274	(0.478)	1798815	30.0000	28.2419
26 Carbon Disulfide	76	2.222	2.222	(0.467)	3452505	30.0000	27.3205
33 Methyl t-butyl ether	73	2.587	2.587	(0.543)	1430326	30.0000	28.4167
34 Hexane	57	2.779	2.779	(0.302)	1658418	30.0000	29.8969
35 Vinyl acetate	43	2.918	2.918	(0.613)	2470940	60.0000	56.8196
40 ETBE	59	3.335	3.335	(0.700)	14307474	150.000	141.341
44 Ethyl Acetate	43	3.509	3.509	(0.737)	1123247	60.0000	56.1720

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
48 Tetrahydrofuran	42	3.770	3.770	(0.792)	195092	60.0000	64.4480
49 2-Butanol	45	3.666	3.666	(0.770)	888757	900.000	988.489
53 Cyclohexane	56	4.101	4.101	(0.861)	2011898	30.0000	29.2497
60 TAME	73	4.606	4.606	(0.967)	10290690	150.000	149.250
64 2-Pentanone	43	5.476	5.476	(1.150)	1943196	120.000	138.830
65 Methyl Cyclohexane	55	5.528	5.528	(1.161)	1826712	30.0000	28.9247
68 Methyl Methacrylate	100	5.737	5.737	(1.205)	247020	60.0000	59.9535
71 2-nitropropane	41	6.207	6.207	(1.303)	66379	30.0000	28.2692
72 2-Chloroethyl vinyl ether	63	6.381	6.381	(1.340)	288715	30.0000	31.3461
78 Ethyl methacrylate	69	7.616	7.616	(0.828)	1464894	60.0000	64.2359
83 Tetrahydrothiophene	60	8.242	8.242	(0.896)	240456	30.0000	30.7416
96 cis-1,4-dichloro-2-butene	53	11.079	11.079	(0.838)	186314	30.0000	32.8928(Q)
102 t-1,4-Dichloro-2-butene	53	11.618	11.618	(0.879)	137296	30.0000	30.8661
114 1,2,3-Trimethylbenzene	105	13.376	13.376	(1.012)	2986181	30.0000	30.4679

QC Flag Legend

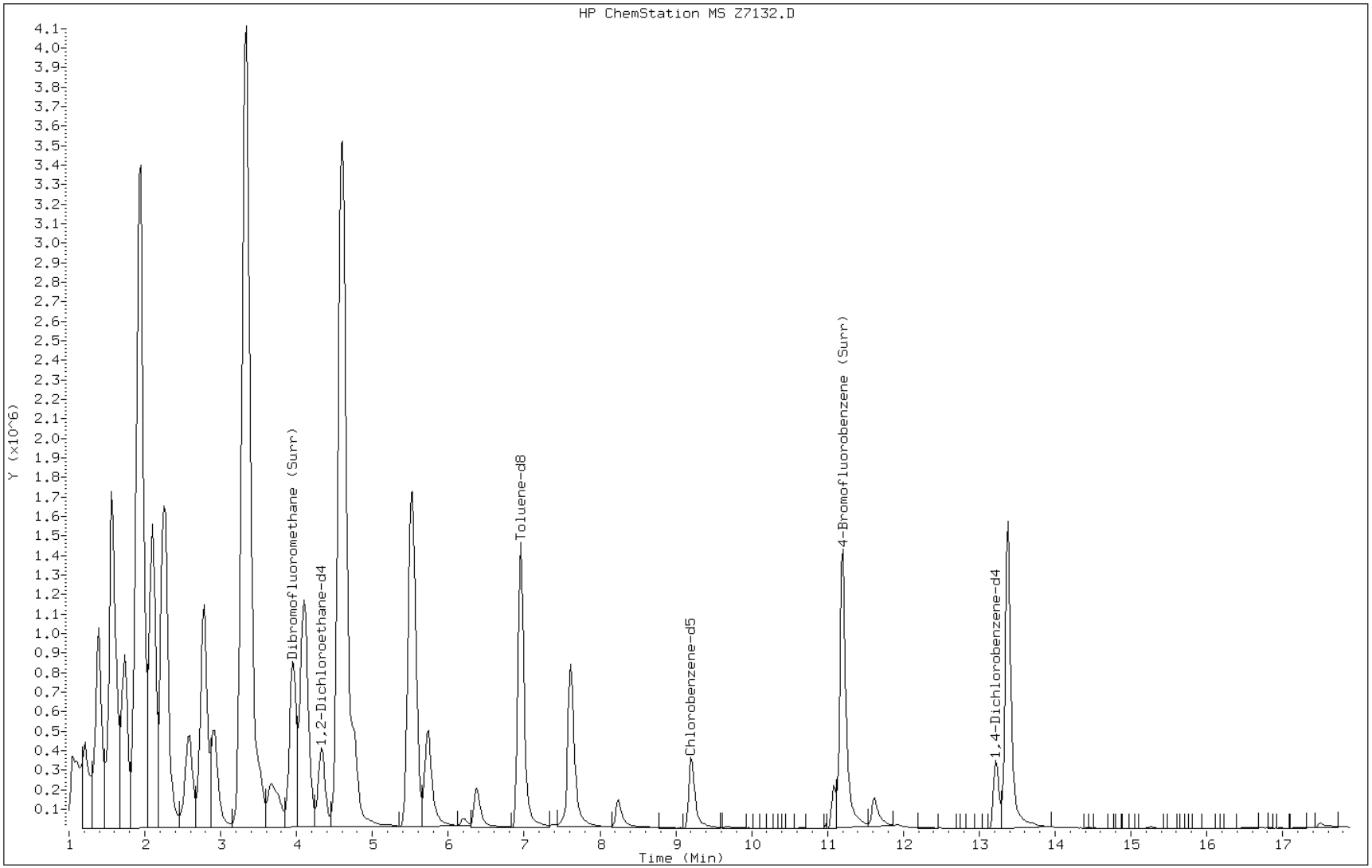
Q - Qualifier signal failed the ratio test.

Data File: Z7132.D

Date: 11-JUN-2012 12:25

Client ID: Instrument: Z.i

Sample Info: IC,,S30 Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\Z7133.D
Lab Smp Id: IC
Inj Date : 11-JUN-2012 12:46
Operator : MEIERG Inst ID: Z.i
Smp Info : IC,,S60
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\8260B-H2O.m
Meth Date : 11-Jun-2012 23:27 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	4.765	4.765	(1.000)	1007059	12.5000	
* 86 Chlorobenzene-d5	119	9.202	9.202	(1.000)	220923	12.5000	
* 111 1,4-Dichlorobenzene-d4	152	13.222	13.222	(1.000)	329973	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	3.947	3.947	(0.828)	3086260	60.0000	55.5176
$ 56 1,2-Dichloroethane-d4	65	4.330	4.330	(0.909)	1407494	60.0000	53.5341
$ 75 Toluene-d8	98	6.958	6.958	(0.756)	6394352	60.0000	57.8874
$ 98 4-Bromofluorobenzene (Surr)	95	11.186	11.186	(0.846)	3300345	60.0000	55.5742
11 Ethylene Oxide	43	1.563	1.563	(0.328)	3578205	7500.00	6645.74
14 Dichlorofluoromethane	67	1.737	1.737	(0.365)	4589173	60.0000	56.3828
19 1,2-dichloro-1,1,2-trifluoro	117	1.911	1.911	(0.401)	2679313	60.0000	55.5142
17 Ethyl Ether	59	1.894	1.894	(0.398)	1075643	60.0000	54.6907
20 2,2-dichloro-1,1,1-trifluoro	83	1.929	1.929	(0.405)	4639876	60.0000	55.2144
24 Trichlorotrifluoroethane	151	2.103	2.103	(0.441)	2499939	60.0000	57.0560
18 2-propanol	45	1.894	1.894	(0.398)	716430	1200.00	1081.69
27 Methyl Acetate	43	2.259	2.259	(0.474)	2569574	300.000	292.586
39 Allyl Chloride	41	2.277	2.277	(0.478)	3556196	60.0000	57.6304
26 Carbon Disulfide	76	2.225	2.225	(0.467)	6954443	60.0000	56.8036
33 Methyl t-butyl ether	73	2.573	2.573	(0.540)	2867360	60.0000	58.8002
34 Hexane	57	2.781	2.781	(0.302)	3371333	60.0000	58.8880
35 Vinyl acetate	43	2.921	2.921	(0.613)	5263808	120.000	124.938(A)
40 ETBE	59	3.338	3.338	(0.701)	28514214	300.000	290.754
44 Ethyl Acetate	43	3.512	3.512	(0.737)	2198162	120.000	111.873

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
48	Tetrahydrofuran	42	3.756	3.756	(0.788)	375259	120.000	127.956(A)
49	2-Butanol	45	3.669	3.669	(0.770)	1720202	1800.00	1974.82(A)
53	Cyclohexane	56	4.104	4.104	(0.861)	3821863	60.0000	57.3520
60	TAME	73	4.609	4.609	(0.967)	18775999	300.000	281.082
64	2-Pentanone	43	5.479	5.479	(1.150)	2845490	240.000	209.837
65	Methyl Cyclohexane	55	5.531	5.531	(1.161)	3439090	60.0000	56.2083
68	Methyl Methacrylate	100	5.722	5.722	(1.201)	490041	120.000	122.765(A)
71	2-nitropropane	41	6.209	6.209	(1.303)	145922	60.0000	62.7930(AM)
72	2-Chloroethyl vinyl ether	63	6.366	6.366	(1.336)	618628	60.0000	69.3270(A)
78	Ethyl methacrylate	69	7.601	7.601	(0.826)	3190987	120.000	135.578(A)
83	Tetrahydrothiophene	60	8.228	8.228	(0.894)	540778	60.0000	64.7537(A)
96	cis-1,4-dichloro-2-butene	53	11.082	11.082	(0.838)	362146	60.0000	58.9932
102	t-1,4-Dichloro-2-butene	53	11.604	11.604	(0.878)	297691	60.0000	62.3426(A)
114	1,2,3-Trimethylbenzene	105	13.378	13.378	(1.012)	6199744	60.0000	59.6889

QC Flag Legend

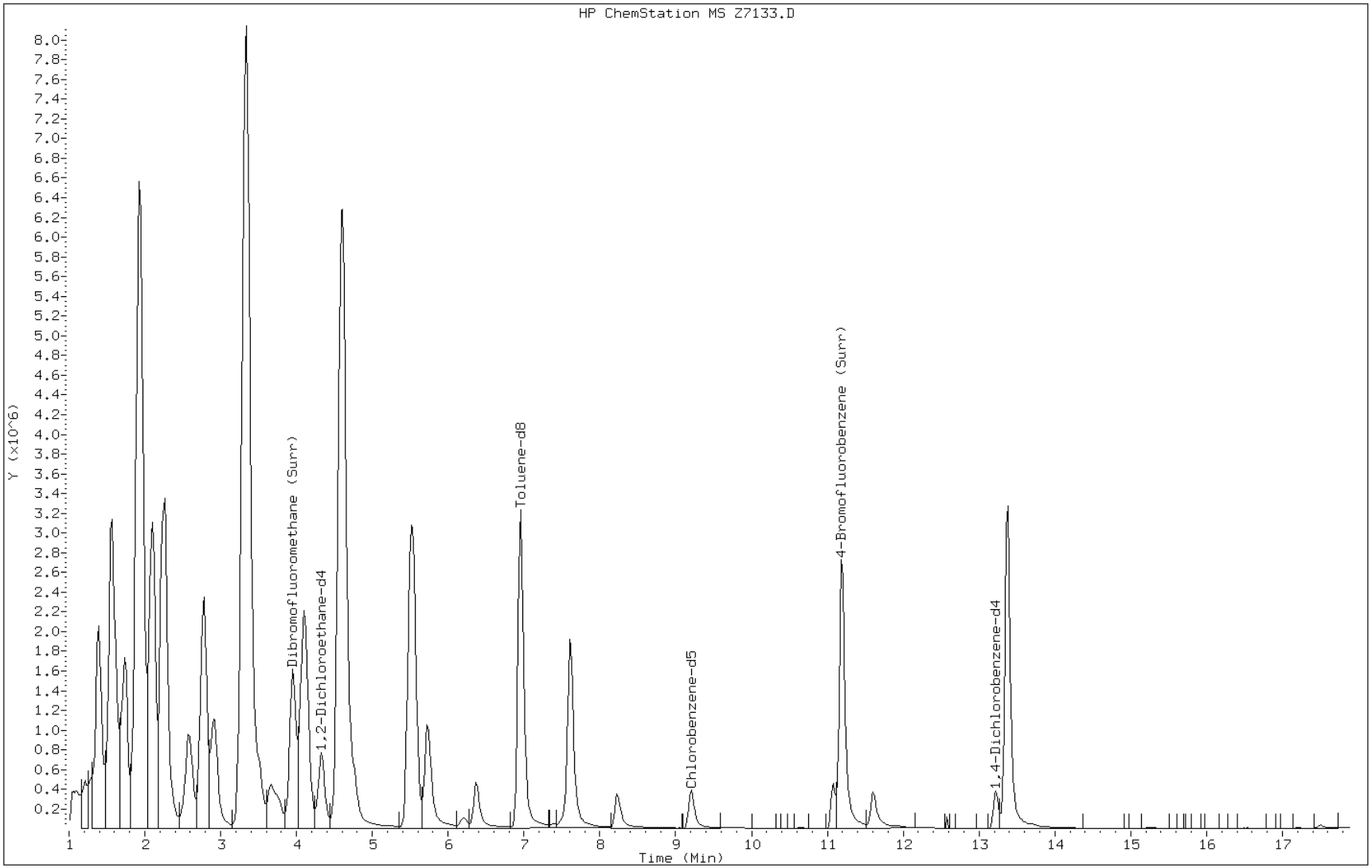
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

Data File: Z7133.D

Date: 11-JUN-2012 12:46

Client ID: Instrument: Z.i

Sample Info: IC,,S60 Operator: MEIERG



Manual Integration Report

Data File: Z7133.D
Inj. Date and Time: 11-JUN-2012 12:46
Instrument ID: Z.i
Client ID:
Compound: 71 2-nitropropane
CAS #: 79-46-9
Report Date: 06/12/2012

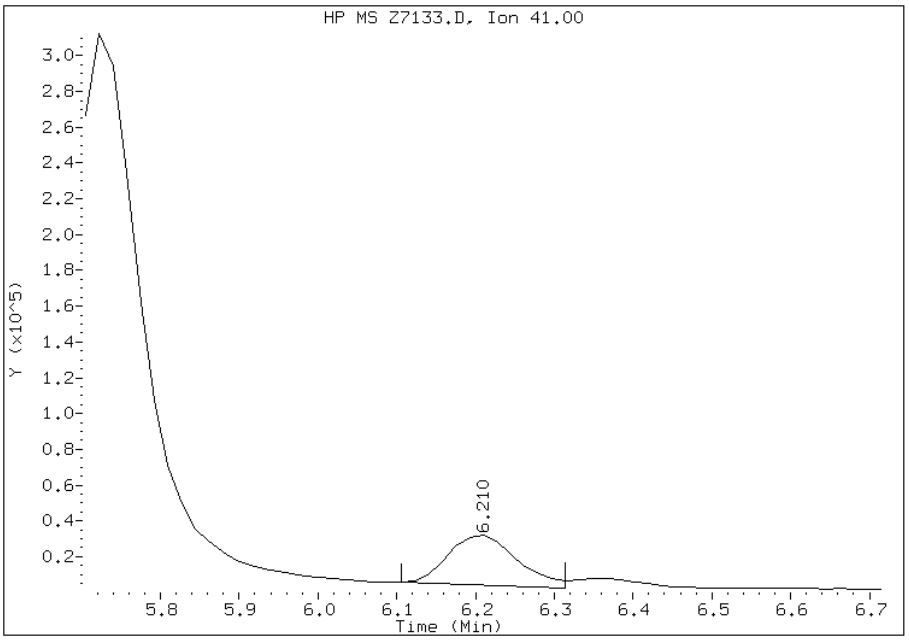
Processing Integration Results

RT: 6.21

Response: 174724

Amount: 80

Conc: 80



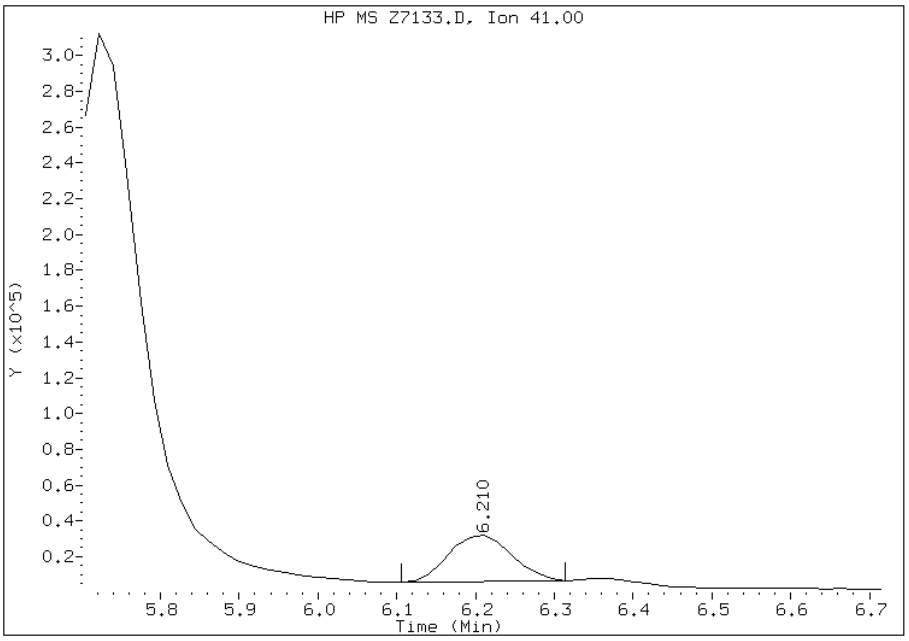
Manual Integration Results

RT: 6.21

Response: 145922

Amount: 63

Conc: 63



Manually Integrated By: tinkhams
Manual Integration Reason: Baseline Event

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30235-1 Analy Batch No.: 123533

SDG No.:

Instrument ID: MSV_Z GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2012 13:29 Calibration End Date: 06/11/2012 15:37 Calibration ID: 9583

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-123533/9	Z7135.D
Level 2	IC 280-123533/10	Z7136.D
Level 3	IC 280-123533/11	Z7137.D
Level 4	IC 280-123533/12	Z7138.D
Level 5	IC 280-123533/13	Z7139.D
Level 6	IC 280-123533/14	Z7140.D
Level 7	IC 280-123533/15	Z7141.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloroethene, Total	+++++ 0.4551	0.4133 0.4508	0.4099	0.4134	0.4772	Ave		0.4366				6.5		15.0			
Xylenes, Total	+++++ 2.9523	2.7987 2.9902	2.6869	2.6845	3.0134	Ave		2.8543				5.3		15.0			
Dichlorodifluoromethane	+++++ 0.6981	0.4947 0.6871	0.4853	0.5991	0.6982	Lin2	0.0276	0.6863							0.9924		0.9900
Chloromethane	+++++ 0.5032	0.4132 0.4895	0.4141	0.4450	0.5076	Ave		0.4621			0.1000	9.4		15.0			
Vinyl chloride	+++++ 0.4030	0.3530 0.3935	0.3643	0.3697	0.4217	Ave		0.3842				6.8		30.0			
Bromomethane	+++++ 0.3642	0.3446 0.3502	0.3565	0.3408	0.3859	Ave		0.3570				4.6		15.0			
Chloroethane	+++++ 0.2573	0.2483 0.2388	0.2451	0.2386	0.2710	Ave		0.2498				5.0		15.0			
Trichlorofluoromethane	+++++ 0.9484	0.8385 0.9064	0.8561	0.8642	0.9844	Ave		0.8997				6.4		15.0			
Acrolein	+++++ 0.0174	0.0175 0.0174	0.0167	0.0159	0.0185	Ave		0.0172				5.2		15.0			
1,1-Dichloroethene	+++++ 0.4177	0.3659 0.3964	0.3726	0.3671	0.4218	Ave		0.3903				6.5		30.0			
Acetone	+++++ 0.0317	0.0474 0.0292	0.0376	0.0307	0.0342	Lin2	-0.176	0.0301							0.9944		0.9900
Iodomethane	+++++ 0.9433	0.7906 0.8981	0.8133	0.7946	0.9368	Ave		0.8628				8.3		15.0			
Acetonitrile	+++++ 0.0071	+++++ 0.0063	0.0070	0.0062	0.0072	Ave		0.0068				7.3		15.0			
Methylene Chloride	+++++ 0.3648	+++++ 0.3496	0.4624	0.3537	0.3838	Ave		0.3828				12.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30235-1 Analy Batch No.: 123533

SDG No.:

Instrument ID: MSV_Z GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2012 13:29 Calibration End Date: 06/11/2012 15:37 Calibration ID: 9583

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Methyl-2-propanol	+++++ 0.0136	0.0129 0.0136	0.0128	0.0123	0.0147	Ave		0.0133				6.4		15.0			
Acrylonitrile	+++++ 0.0354	0.0322 0.0352	0.0319	0.0308	0.0369	Ave		0.0337				7.2		15.0			
trans-1,2-Dichloroethene	0.4037 0.4712	0.4088 0.4605	0.4243	0.4137	0.4735	Ave		0.4365				7.0		15.0			
1,1-Dichloroethane	0.8251 0.9113	0.8018 0.8984	0.8507	0.7872	0.9185	Ave		0.8562			0.1000	6.3		15.0			
2-Butanone (MEK)	+++++ 0.0697	0.0814 0.0708	0.0652	0.0696	0.0813	Ave		0.0730				9.2		15.0			
Isopropyl ether	+++++ 0.3048	0.2696 0.3018	0.2737	0.2639	0.3129	Ave		0.2878				7.3		15.0			
2-Chloro-1,3-butadiene	+++++ 0.8353	0.7665 0.8166	0.7940	0.7458	0.8653	Ave		0.8039				5.5		15.0			
cis-1,2-Dichloroethene	0.4126 0.4390	0.4177 0.4412	0.3954	0.4131	0.4808	Ave		0.4285				6.5		15.0			
2,2-Dichloropropane	+++++ 0.6901	0.7328 0.6777	0.6614	0.6776	0.7726	Ave		0.7021				6.0		15.0			
Propionitrile	+++++ 0.0124	+++++ 0.0125	0.0103	0.0115	0.0138	Ave		0.0121				10.9		15.0			
Methacrylonitrile	+++++ 0.0999	0.0906 0.0989	0.0808	0.0899	0.1119	Ave		0.0953				11.2		15.0			
Chlorobromomethane	0.1509 0.1985	0.1816 0.1957	0.1690	0.1812	0.2147	Ave		0.1845				11.3		15.0			
Isobutyl alcohol	+++++ 0.0033	+++++ 0.0038	0.0017	0.0025	0.0035	Lin2	1.8431	0.0037							0.9913		0.9900
Chloroform	0.7856 0.8406	0.7931 0.8256	0.7458	0.7926	0.9114	Ave		0.8135				6.5		30.0			
1,1,1-Trichloroethane	0.7930 0.8506	0.8123 0.8361	0.7610	0.8136	0.9214	Ave		0.8269				6.1		15.0			
1,4-Dioxane	+++++ 0.0011	+++++ 0.0011	0.0002	0.0006	0.0009	Lin1	7.3154	0.0011							0.9976		0.9900
1,1-Dichloropropene	0.7348 0.7294	0.7088 0.7399	0.6629	0.6874	0.7731	Ave		0.7195				5.1		15.0			
Carbon tetrachloride	0.7187 0.7944	0.7564 0.8110	0.6956	0.7359	0.8450	Ave		0.7653				7.0		15.0			
1,2-Dichloroethane	0.2868 0.3678	0.3543 0.3676	0.3260	0.3509	0.3968	Ave		0.3500				10.0		15.0			
Benzene	1.1706 1.3001	1.1950 1.2919	1.1462	1.1877	1.3580	Ave		1.2357				6.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30235-1 Analy Batch No.: 123533

SDG No.:

Instrument ID: MSV_Z GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2012 13:29 Calibration End Date: 06/11/2012 15:37 Calibration ID: 9583

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Trichloroethene	0.5127 0.5689	0.5556 0.5606	0.5130	0.5286	0.5646	Ave		0.5434				4.5		15.0			
1,2-Dichloropropane	0.3896 0.4884	0.4522 0.5119	0.4356	0.4506	0.4789	Ave		0.4582				8.7		30.0			
Dibromomethane	0.1874 0.2549	0.2413 0.2653	0.2141	0.2314	0.2574	Ave		0.2360				11.7		15.0			
Dichlorobromomethane	+++++ 0.7366	0.6703 0.7272	0.6330	0.6769	0.7303	Ave		0.6957				6.0		15.0			
cis-1,3-Dichloropropene	0.4622 0.6354	0.5491 0.6226	0.5148	0.5580	0.6169	Ave		0.5656				11.3		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.2092	0.1498 0.2172	0.1530	0.1868	0.2180	Lin2	0.1131	0.2129							0.9937		0.9900
2-Hexanone	+++++ 0.5528	0.2017 0.6180	0.2524	0.4264	0.5559	Lin	0.4558	0.6240							0.9980		
Toluene	1.1519 1.4816	1.3418 1.5886	1.2788	1.3241	1.4530	Ave		1.3743				10.5		30.0			
trans-1,3-Dichloropropene	0.2923 0.4697	0.3982 0.5100	0.3717	0.4081	0.4548	Lin2	0.0093	0.4568							0.9919		0.9900
1,1,2-Trichloroethane	+++++ 0.2625	0.2408 0.2881	0.2331	0.2464	0.2837	Ave		0.2591				8.9		15.0			
Tetrachloroethene	1.5961 2.0887	2.0565 2.2344	1.8161	2.1172	2.2428	Ave		2.0217				11.6		15.0			
1,3-Dichloropropane	1.4961 2.0215	2.0011 2.1206	1.6502	1.9600	2.1448	Ave		1.9135				12.8		15.0			
Chlorodibromomethane	1.6280 2.1225	2.1502 2.1585	1.7875	2.1075	2.2667	Ave		2.0316				11.4		15.0			
Ethylene Dibromide	+++++ 1.6452	1.5000 1.5810	1.2163	1.4928	1.7113	Ave		1.5244				11.3		15.0			
Chlorobenzene	3.4658 4.7298	4.5157 4.7376	4.2427	4.4540	4.7666	Ave		4.4160			0.3000	10.4		15.0			
1-Chlorohexane	+++++ 3.2335	2.8654 3.2246	2.8799	2.9812	3.2019	Ave		3.0644				5.7		15.0			
1,1,1,2-Tetrachloroethane	1.5673 2.1908	2.0486 2.1554	1.9859	1.9659	2.2554	Ave		2.0242				11.3		15.0			
Ethylbenzene	1.7581 2.3393	2.1986 2.3741	2.1112	2.1167	2.3708	Ave		2.1812				10.0		30.0			
Cyclohexanone	+++++ 0.0249	+++++ 0.0273	0.0102	0.0164	0.0228	Lin2	4.2002	0.0263							0.9928		0.9900
m-Xylene & p-Xylene	+++++ 3.0567	2.9179 3.0811	2.7873	2.7820	3.1212	Ave		2.9577				5.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30235-1 Analy Batch No.: 123533

SDG No.:

Instrument ID: MSV_Z GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2012 13:29 Calibration End Date: 06/11/2012 15:37 Calibration ID: 9583

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichloropropane	+++++ 0.2376	0.2033 0.2344	0.1938	0.2145	0.2428	Ave		0.2211				9.1		15.0			
o-Xylene	2.0883 2.7437	2.5602 2.8084	2.4861	2.4896	2.7978	Ave		2.5677				9.9		15.0			
Styrene	+++++ 4.4955	3.5258 4.6096	3.7692	3.9359	4.5841	Ave		4.1533				11.3		15.0			
Bromoform	+++++ 1.2643	1.0083 1.3022	1.0137	1.0937	1.3099	Ave		1.1653			0.1000	12.3		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1777	+++++ 0.1704	0.1112	0.1450	0.1688	Lin2	0.0610	0.1778							0.9988		0.9900
Isopropylbenzene	4.9053 5.3614	5.2241 5.7650	5.1594	5.2673	5.1211	Ave		5.2576				5.0		15.0			
Bromobenzene	0.8607 1.1696	1.1198 1.2469	1.0528	1.1126	1.1973	Ave		1.1085				11.4		15.0			
1,1,2,2-Tetrachloroethane	0.7794 0.9539	0.9913 0.9909	0.8958	0.9398	1.0351	Ave		0.9409			0.3000	8.9		15.0			
N-Propylbenzene	1.0671 1.3465	1.2750 1.3604	1.2216	1.2871	1.3486	Ave		1.2723				8.1		15.0			
2-Chlorotoluene	0.9453 1.1141	1.0541 1.1382	1.0215	1.0354	1.1112	Ave		1.0600				6.3		15.0			
4-Chlorotoluene	+++++ 1.2268	1.0437 1.2195	0.9770	1.0272	1.2012	Ave		1.1159				10.0		15.0			
1,3,5-Trimethylbenzene	3.7281 4.1240	3.7997 4.0789	3.7111	3.8803	4.1458	Ave		3.9240				4.8		15.0			
tert-Butylbenzene	4.1666 4.5939	4.4604 4.5767	4.2465	4.3801	4.5258	Ave		4.4214				3.7		15.0			
1,2,4-Trimethylbenzene	3.4412 4.0708	3.5530 4.1047	3.5659	3.7643	3.9922	Ave		3.7846				7.2		15.0			
sec-Butylbenzene	0.9464 1.1572	1.1484 1.1888	1.0949	1.1002	1.1431	Ave		1.1113				7.2		15.0			
1,3-Dichlorobenzene	+++++ 2.1335	1.7526 2.2151	1.7376	1.9042	2.0906	Ave		1.9723				10.3		15.0			
1,4-Dichlorobenzene	+++++ 2.4157	2.4289 2.4099	2.2907	2.3065	2.4096	Ave		2.3769				2.6		15.0			
4-Isopropyltoluene	4.7577 5.0859	4.9112 5.1453	4.6745	4.8086	4.9822	Ave		4.9093				3.5		15.0			
1,2-Dichlorobenzene	+++++ 1.8503	1.6805 1.8519	1.5858	1.6993	1.8220	Ave		1.7483				6.3		15.0			
n-Butylbenzene	3.5056 5.1177	4.7864 4.9991	4.4874	4.7131	4.9592	Ave		4.6526				11.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30235-1 Analy Batch No.: 123533

SDG No.:

Instrument ID: MSV_Z GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2012 13:29 Calibration End Date: 06/11/2012 15:37 Calibration ID: 9583

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Naphthalene	+++++ 1.5550	1.2397 1.5383	1.1374	1.4588	1.5727	Ave		1.4170				13.0		15.0			
1,2,4-Trichlorobenzene	+++++ 1.5160	1.3767 1.5090	1.2738	1.3944	1.4646	Ave		1.4224				6.5		15.0			
Hexachlorobutadiene	1.1166 1.3246	1.3195 1.2975	1.2479	1.3772	1.2972	Lin2	0.0036	1.3289							0.9988		0.9900
1,2,3-Trichlorobenzene	+++++ 1.1647	0.9824 1.1558	0.9477	1.1003	1.1148	Ave		1.0776				8.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30235-1 Analy Batch No.: 123533

SDG No.:

Instrument ID: MSV_Z GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2012 13:29 Calibration End Date: 06/11/2012 15:37 Calibration ID: 9583

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-123533/9	Z7135.D
Level 2	IC 280-123533/10	Z7136.D
Level 3	IC 280-123533/11	Z7137.D
Level 4	IC 280-123533/12	Z7138.D
Level 5	IC 280-123533/13	Z7139.D
Level 6	IC 280-123533/14	Z7140.D
Level 7	IC 280-123533/15	Z7141.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloroethene, Total	FB	Ave	+++++ 2122087	70304 4305081	129671	343275	733482	+++++ 60.0	2.00 120	4.00	10.0	20.0
Xylenes, Total	CBZ	Ave	+++++ 4884554	150555 10030415	309060	693454	1511192	+++++ 90.0	3.00 180	6.00	15.0	30.0
Dichlorodifluoromethane	FB	Lin2	+++++ 1627417	42080 3280421	76770	248768	536611	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloromethane	FB	Ave	+++++ 1173012	35143 2337118	65513	184780	390109	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 939559	30021 1878763	57625	153493	324083	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromomethane	FB	Ave	+++++ 849050	29310 1672050	56402	141488	296591	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroethane	FB	Ave	+++++ 599759	21118 1140216	38765	99079	208256	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 2211023	71323 4327611	135420	358845	756578	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acrolein	FB	Ave	+++++ 404877	14912 828450	26393	65919	142401	+++++ 300	10.0 600	20.0	50.0	100
1,1-Dichloroethene	FB	Ave	+++++ 973825	31121 1892885	58942	152421	324163	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acetone	FB	Lin2	+++++ 295248	16123 558265	23790	50959	105251	+++++ 120	4.00 240	8.00	20.0	40.0
Iodomethane	FB	Ave	+++++ 2199167	67245 4288214	128656	329909	720011	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acetonitrile	FB	Ave	+++++ 164723	+++++ 299563	11143	25676	55669	+++++ 300	+++++ 600	20.0	50.0	100
Methylene Chloride	FB	Ave	+++++ 850425	+++++ 1669384	73142	146849	294935	+++++ 30.0	+++++ 60.0	2.00	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 633712	21933 1301234	40474	101779	225823	+++++ 600	20.0 1200	40.0	100	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30235-1 Analy Batch No.: 123533

SDG No.:

Instrument ID: MSV_Z GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2012 13:29 Calibration End Date: 06/11/2012 15:37 Calibration ID: 9583

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Acrylonitrile	FB	Ave	+++++ 825529	27361 1679236	50399	127867	283886	+++++ 300	10.0 600	20.0	50.0	100
trans-1,2-Dichloroethene	FB	Ave	9267 1098617	34774 2198683	67126	171760	363940	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,1-Dichloroethane	FB	Ave	18939 2124633	68201 4289550	134568	326866	705919	0.300 30.0	1.00 60.0	2.00	5.00	10.0
2-Butanone (MEK)	FB	Ave	+++++ 649836	27680 1352242	41227	115657	249969	+++++ 120	4.00 240	8.00	20.0	40.0
Isopropyl ether	FB	Ave	+++++ 3553113	114665 7204514	216446	547869	1202556	+++++ 150	5.00 300	10.0	25.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 1947261	65196 3898935	125607	309670	665020	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	9470 1023470	35530 2106398	62545	171515	369542	0.300 30.0	1.00 60.0	2.00	5.00	10.0
2,2-Dichloropropane	FB	Ave	+++++ 1608929	62334 3235693	104634	281334	593802	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Propionitrile	FB	Ave	+++++ 288253	+++++ 594863	16254	47627	106391	+++++ 300	+++++ 600	20.0	50.0	100
Methacrylonitrile	FB	Ave	+++++ 2329051	77087 4720780	127881	373428	860049	+++++ 300	10.0 600	20.0	50.0	100
Chlorobromomethane	FB	Ave	3463 462694	15444 934347	26741	75232	164983	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Isobutyl alcohol	FB	Lin2	+++++ 154047	+++++ 367410	5336	20586	53734	+++++ 600	+++++ 1200	40.0	100	200
Chloroform	FB	Ave	18033 1959833	67456 3941984	117974	329096	700456	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	18202 1982919	69096 3991838	120389	337809	708153	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dioxane	FB	Lin1	+++++ 127529	+++++ 255575	1907	11525	34312	+++++ 1500	+++++ 3000	100	250	500
1,1-Dichloropropene	FB	Ave	16865 1700581	60288 3532662	104863	285429	594200	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Carbon tetrachloride	FB	Ave	16496 1851901	64340 3872106	110037	305539	649419	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichloroethane	FB	Ave	6584 857473	30135 1755111	51574	145699	304932	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Benzene	FB	Ave	26869 3030887	101645 6168578	181318	493158	1043685	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Trichloroethene	FB	Ave	11768 1326271	47257 2676687	81146	219495	433925	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichloropropane	FB	Ave	8943 1138580	38459 2444307	68914	187109	368043	0.300 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30235-1 Analy Batch No.: 123533

SDG No.:

Instrument ID: MSV_Z GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2012 13:29 Calibration End Date: 06/11/2012 15:37 Calibration ID: 9583

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dibromomethane	FB	Ave	4301 594365	20525 1266561	33868	96077	197791	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Dichlorobromomethane	FB	Ave	+++++ 1717279	57015 3472175	100135	281064	561242	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	10609 1481227	46702 2972686	81438	231670	474131	0.300 30.0	1.00 60.0	2.00	5.00	10.0
4-Methyl-2-pentanone (MIBK)	FB	Lin2	+++++ 1950494	50951 4147792	96793	310270	670103	+++++ 120	4.00 240	8.00	20.0	40.0
2-Hexanone	CBZ	Lin	+++++ 1219453	14467 2764242	38708	146873	371671	+++++ 120	4.00 240	8.00	20.0	40.0
Toluene	FB	Ave	26440 3454159	114127 7585189	202285	549769	1116693	0.300 30.0	1.00 60.0	2.00	5.00	10.0
trans-1,3-Dichloropropene	FB	Lin2	6709 1095042	33870 2435093	58796	169429	349571	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,1,2-Trichloroethane	FB	Ave	+++++ 611958	20479 1375573	36870	102301	218007	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Tetrachloroethene	CBZ	Ave	8603 1151894	36877 2498410	69633	182306	374905	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	8064 1114813	35883 2371144	63270	168766	358522	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Chlorodibromomethane	CBZ	Ave	8775 1170555	38556 2413501	68536	181470	378906	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylene Dibromide	CBZ	Ave	+++++ 907327	26897 1767748	46633	128535	286058	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorobenzene	CBZ	Ave	18681 2608405	80975 5297331	162668	383509	796793	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1-Chlorohexane	CBZ	Ave	+++++ 1783241	51381 3605561	110420	256693	535234	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	8448 1208215	36735 2410099	76142	169273	377022	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylbenzene	CBZ	Ave	9476 1290097	39424 2654620	80944	182263	396303	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Cyclohexanone	CBZ	Lin2	+++++ 548185	+++++ 1223076	15638	56509	152585	+++++ 1200	+++++ 2400	80.0	200	400
m-Xylene & p-Xylene	CBZ	Ave	+++++ 3371426	104647 6890220	213740	479086	1043501	+++++ 60.0	2.00 120	4.00	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 224372	5408 430777	12104	28786	73144	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
o-Xylene	CBZ	Ave	11256 1513128	45908 3140195	95320	214368	467691	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Styrene	CBZ	Ave	+++++ 2479229	63224 5154195	144514	338904	766283	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30235-1 Analy Batch No.: 123533

SDG No.:

Instrument ID: MSV_Z GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2012 13:29 Calibration End Date: 06/11/2012 15:37 Calibration ID: 9583

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromoform	CBZ	Ave	+++++ 697268	18080 1456025	38867	94169	218974	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Lin2	+++++ 167799	+++++ 313110	6945	19461	50857	+++++ 30.0	+++++ 60.0	2.00	5.00	10.0
Isopropylbenzene	DCB	Ave	40549 5062723	138956 10593301	322204	706850	1542578	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Bromobenzene	DCB	Ave	7115 1104480	29786 2291197	65747	149301	360649	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,1,2,2-Tetrachloroethane	DCB	Ave	6443 900724	26368 1820747	55945	126123	311804	0.300 30.0	1.00 60.0	2.00	5.00	10.0
N-Propylbenzene	DCB	Ave	8821 1271491	33913 2499774	76292	172726	406220	0.300 30.0	1.00 60.0	2.00	5.00	10.0
2-Chlorotoluene	DCB	Ave	7814 1052072	28037 2091483	63795	138946	334728	0.300 30.0	1.00 60.0	2.00	5.00	10.0
4-Chlorotoluene	DCB	Ave	+++++ 1158482	27761 2240871	61012	137851	361822	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	30818 3894301	101069 7495068	231762	520724	1248795	0.300 30.0	1.00 60.0	2.00	5.00	10.0
tert-Butylbenzene	DCB	Ave	34443 4338048	118643 8409774	265198	587794	1363277	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	28446 3844008	94507 7542505	222689	505157	1202526	0.300 30.0	1.00 60.0	2.00	5.00	10.0
sec-Butylbenzene	DCB	Ave	7823 1092742	30547 2184441	68377	147647	344322	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 2014654	46619 4070341	108513	255530	629722	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	+++++ 2281190	64607 4428269	143053	309516	725840	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Isopropyltoluene	DCB	Ave	39329 4802592	130635 9454511	291926	645291	1500764	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 1747252	44700 3402898	99035	228041	548832	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
n-Butylbenzene	DCB	Ave	28979 4832656	127315 9185965	280241	632470	1493818	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Naphthalene	DCB	Ave	+++++ 1468370	32976 2826582	71032	195760	473745	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 1431560	36620 2772757	79552	187121	441173	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Hexachlorobutadiene	DCB	Lin2	9230 1250823	35097 2384186	77932	184807	390733	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 1099786	26131 2123805	59186	147649	335802	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30235-1 Analy Batch No.: 123533

SDG No.:

Instrument ID: MSV_Z GC Column: DB-624 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2012 13:29 Calibration End Date: 06/11/2012 15:37 Calibration ID: 9583

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\Z7135.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 11-JUN-2012 13:29
Operator : MEIERG Inst ID: Z.i
Smp Info : IC,,M0.3
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\8260B-H2O.m
Meth Date : 12-Jun-2012 06:00 meierg Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	4.780	4.767	(1.000)	956382	12.5000	
* 86 Chlorobenzene-d5	119	9.217	9.204	(1.000)	224585	12.5000	
* 111 1,4-Dichlorobenzene-d4	152	13.237	13.207	(1.000)	344433	12.5000	(Q)
M 1 1,2-Dichloroethene (total)	96				18737	0.60000	0.566278(a)
M 2 Xylene (total)	106				34838	0.90000	0.687754(a)
M 3 1,3-Dichloropropene (total)	75				17318	0.60000	0.553210(a)
M 4 Trihalomethanes (total)	83				43724	1.20000	0.958740(a)
5 Chlorotrifluoroethene	116	1.300	1.305	(0.272)	1768	0.30000	1.29037(Q)
6 dichlorodifluoromethane	85	1.335	1.322	(0.279)	12214	0.30000	0.577382(a)
7 Chloromethane	50	1.369	1.374	(0.287)	10130	0.30000	0.286522(aQ)
10 2-Chloro-1,1,1-trifluoroethan	118	1.474	1.479	(0.308)	12155	0.30000	0.275176(aQ)
9 Vinyl Chloride	62	1.456	1.461	(0.305)	8102	0.30000	0.275635(aQ)
12 Bromomethane	94	1.613	1.618	(0.338)	9391	0.30000	0.343782(a)
13 Chloroethane	64	1.648	1.635	(0.345)	5682	0.30000	0.297256(a)
16 Trichlorofluoromethane	101	1.804	1.774	(0.378)	19707	0.30000	0.286296(a)
15 Ethanol	45	Compound Not Detected.					
21 Acrolein	56	2.013	1.983	(0.421)	4387	1.50000	3.32916(a)
22 Acetone	43	2.100	2.070	(0.439)	8559	1.20000	1.51245(aQ)
23 1,1-Dichloroethene	96	2.083	2.070	(0.436)	7958	0.30000	0.266523(a)
25 Iodomethane	142	2.187	2.175	(0.458)	18301	0.30000	0.277236(a)
29 Acetonitrile	41	2.274	2.262	(0.476)	1082	3.00000	2.09131(aQ)
30 tert-Butyl alcohol	59	2.466	2.453	(0.516)	6350	6.00000	6.23620(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
28 Methylene Chloride	84	2.379	2.366	(0.498)	23324	0.30000	0.796271(a)
31 Acrylonitrile	53	2.553	2.523	(0.534)	6902	3.00000	2.67498(a)
32 trans-1,2-Dichloroethene	96	2.587	2.575	(0.541)	9267	0.30000	0.277450(a)
37 Isopropyl ether	87	3.005	2.992	(0.629)	30278	1.50000	1.37511(a)
36 1,1-Dichloroethane	63	2.918	2.905	(0.611)	18939	0.30000	0.289123(a)
38 Chloroprene	53	3.005	2.992	(0.629)	17900	0.30000	0.291020(aQ)
41 2-Butanone	43	Compound Not Detected.					
42 cis-1,2-Dichloroethene	96	3.475	3.462	(0.727)	9470	0.30000	0.288829(a)
45 Propionitrile	54	3.562	3.497	(0.745)	1411	3.00000	1.52635(aQ)
43 2,2-Dichloropropane	77	3.492	3.480	(0.731)	20508	0.30000	0.381797(a)
46 Methacrylonitrile	41	3.701	3.671	(0.774)	16661	3.00000	2.28386(a)
47 Bromochloromethane	128	3.736	3.706	(0.782)	3463	0.30000	0.245320(a)
50 Chloroform	83	3.805	3.793	(0.796)	18033	0.30000	0.289714(a)
52 1,1,1-Trichloroethane	97	4.032	4.019	(0.843)	18202	0.30000	0.287718(a)
58 Isobutanol	41	Compound Not Detected.					
54 1,1-Dichloropropene	75	4.223	4.193	(0.884)	16865	0.30000	0.306371(a)
55 Carbon Tetrachloride	117	4.240	4.228	(0.887)	16496	0.30000	0.281736(a)
57 1,2-Dichloroethane	62	4.449	4.437	(0.931)	6584	0.30000	0.245845(aQ)
59 Benzene	78	4.449	4.437	(0.931)	26869	0.30000	0.284206(a)
61 n-Butanol	56	4.797	4.611	(1.004)	6095	9.00000	0.000000(aQ)
63 Trichloroethene	95	5.267	5.255	(1.102)	11768	0.30000	0.283035(a)
66 1,2-Dichloropropane	63	5.563	5.516	(1.164)	8943	0.30000	0.255110(a)
69 1,4-Dioxane	88	Compound Not Detected.					
67 Dibromomethane	93	5.720	5.672	(1.197)	4301	0.30000	0.238233(a)
70 Bromodichloromethane	83	5.946	5.916	(1.244)	13091	0.30000	0.245933(aQ)
73 cis-1,3-Dichloropropene	75	6.624	6.560	(1.386)	10609	0.30000	0.245174(a)
74 4-Methyl-2-pentanone	43	6.938	6.803	(1.451)	10295	1.20000	2.04542(aQ)
76 Toluene	91	7.112	7.064	(1.488)	26440	0.30000	0.251463(a)
77 trans-1,3-Dichloropropene	75	7.512	7.395	(1.571)	6709	0.30000	0.308036(a)
79 1,1,2-Trichloroethane	97	7.721	7.656	(1.615)	4123	0.30000	0.207998(a)
82 2-Hexanone	43	Compound Not Detected.					
81 1,3-Dichloropropane	76	7.964	7.917	(0.864)	8064	0.30000	0.234564(a)
80 Tetrachloroethene	164	7.929	7.899	(0.860)	8603	0.30000	0.236844(a)
84 Dibromochloromethane	129	8.295	8.265	(0.900)	8775	0.30000	0.240407(a)
85 1,2-Dibromoethane	107	8.486	8.404	(0.921)	5510	0.30000	0.201178(a)
88 1-Chlorohexane	91	9.321	9.291	(1.011)	13212	0.30000	0.239967(a)
87 Chlorobenzene	112	9.269	9.239	(1.006)	18681	0.30000	0.235450(aQ)
89 1,1,1,2-Tetrachloroethane	131	9.408	9.396	(1.021)	8448	0.30000	0.232289(a)
90 Ethylbenzene	106	9.513	9.466	(1.032)	9476	0.30000	0.241797(a)
91 m and p-Xylene	106	9.722	9.674	(1.055)	23582	0.60000	0.443768(a)
92 o-Xylene	106	10.365	10.318	(1.125)	11256	0.30000	0.243986(a)
93 Styrene	104	10.470	10.353	(1.136)	12588	0.30000	0.168690(aQ)
94 Bromoform	173	10.661	10.597	(1.157)	3825	0.30000	0.182686(a)
95 isopropyl benzene	105	11.027	10.979	(0.833)	40549	0.30000	0.279895(a)
97 Cyclohexanone	55	Compound Not Detected.					
100 1,1,2,2-Tetrachloroethane	83	11.549	11.484	(0.872)	6443	0.30000	0.248515(aQ)
101 1,2,3-Trichloropropane	110	Compound Not Detected.					
99 Bromobenzene	156	11.531	11.414	(0.871)	7115	0.30000	0.232935(a)
103 n-Propylbenzene	120	11.758	11.693	(0.888)	8821	0.30000	0.251608(a)
104 2-Chlorotoluene	126	11.845	11.780	(0.895)	7814	0.30000	0.267536(a)
106 1,3,5-Trimethylbenzene	105	12.071	12.023	(0.912)	30818	0.30000	0.285024(a)
105 4-Chlorotoluene	126	12.088	11.971	(0.913)	5610	0.30000	0.182450(a)
107 tert-Butylbenzene	119	12.593	12.563	(0.951)	34443	0.30000	0.282710(a)
108 1,2,4-Trimethylbenzene	105	12.715	12.667	(0.961)	28446	0.30000	0.272778(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 sec-Butylbenzene	134	12.993	12.963	(0.982)	7823	0.30000	0.255478(a)
112 4-Isopropyltoluene	119	13.289	13.241	(1.004)	39329	0.30000	0.290733(a)
110 1,3-Dichlorobenzene	146	13.150	13.085	(0.993)	12123	0.30000	0.223075(a)
113 1,4-dichlorobenzene	146	13.271	13.241	(1.003)	21298	0.30000	0.325188(a)
116 n-Butylbenzene	91	14.072	13.972	(1.063)	28979	0.30000	0.226042(aQ)
115 1,2-Dichlorobenzene	146	13.985	13.885	(1.057)	11637	0.30000	0.241561(a)
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	16.717	16.565	(1.263)	8344	0.30000	0.212888(a)
119 Hexachlorobutadiene	225	16.839	16.809	(1.272)	9230	0.30000	0.297649(a)
120 Naphthalene	128	Compound Not Detected.					
121 1,2,3-Trichlorobenzene	180	17.187	17.087	(1.298)	7702	0.30000	0.259387(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Z7135.D

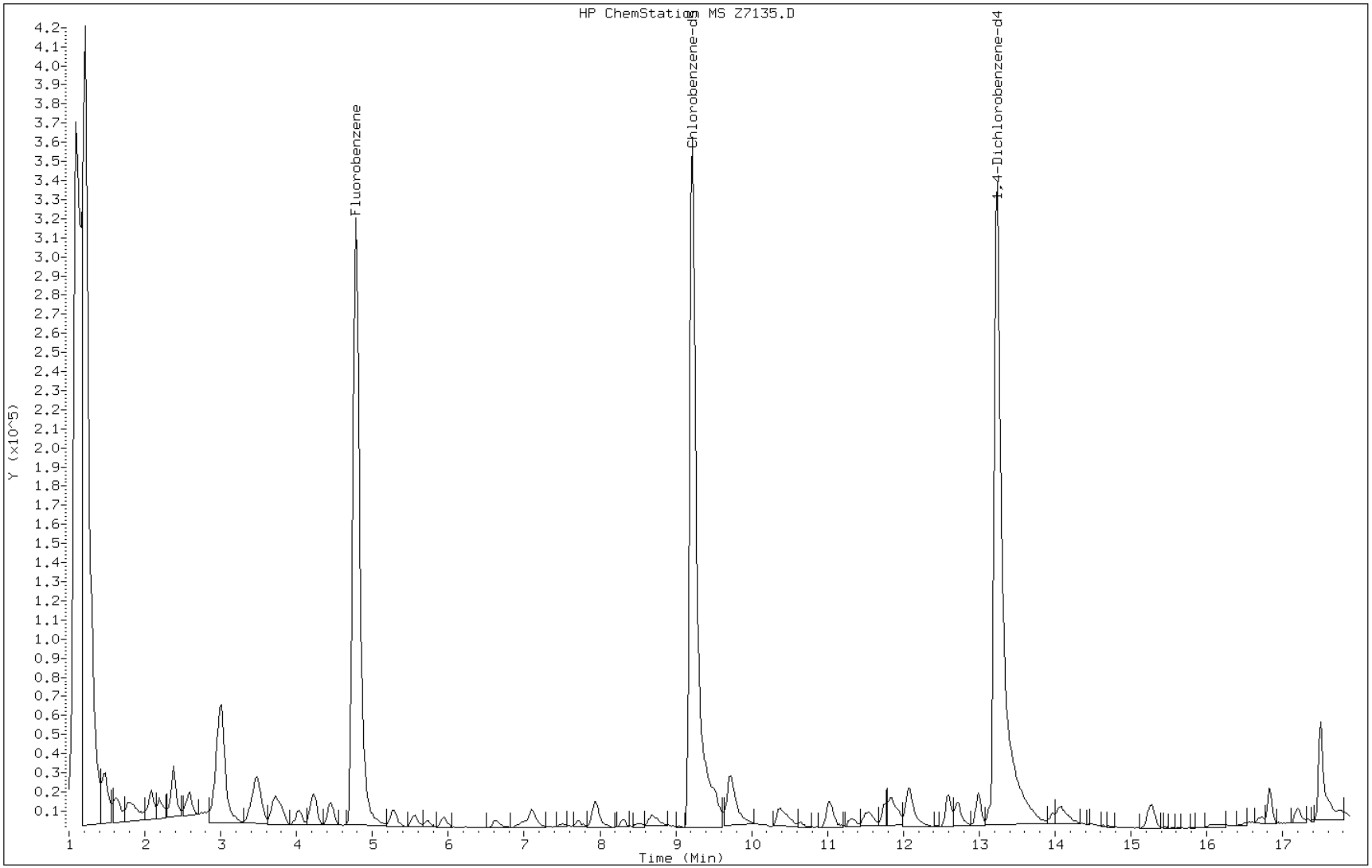
Date: 11-JUN-2012 13:29

Client ID: IC

Instrument: Z.i

Sample Info: IC,,M0.3

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\Z7136.D
Lab Smp Id: IC Client Smp ID: IC
Inj Date : 11-JUN-2012 13:50
Operator : MEIERG Inst ID: Z.i
Smp Info : IC,,M1.0
Misc Info :
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Meth Date : 12-Jun-2012 06:00 meierg Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	4.797	4.767	(1.000)	1063214	12.5000	
* 86	Chlorobenzene-d5	119	9.217	9.204	(1.000)	224147	12.5000	
* 111	1,4-Dichlorobenzene-d4	152	13.236	13.207	(1.000)	332491	12.5000	(Q)
M 1	1,2-Dichloroethene (total)	96				70304	2.00000	1.91126
M 2	Xylene (total)	106				150555	3.00000	2.97015
M 3	1,3-Dichloropropene (total)	75				80572	2.00000	1.95863
M 4	Trihalomethanes (total)	83				181107	4.00000	3.86190
5	Chlorotrifluoroethene	116	1.299	1.305	(0.271)	10029	1.00000	1.59714
6	dichlorodifluoromethane	85	1.334	1.322	(0.278)	42080	1.00000	1.06562(a)
7	Chloromethane	50	1.369	1.374	(0.285)	35143	1.00000	0.894123(aQ)
10	2-Chloro-1,1,1-trifluoroethan	118	1.491	1.479	(0.311)	45421	1.00000	0.924962(a)
9	Vinyl Chloride	62	1.456	1.461	(0.304)	30021	1.00000	0.918710(a)
12	Bromomethane	94	1.613	1.618	(0.336)	29310	1.00000	0.965155(a)
13	Chloroethane	64	1.647	1.635	(0.344)	21118	1.00000	0.993785(a)
16	Trichlorofluoromethane	101	1.787	1.774	(0.373)	71323	1.00000	0.932040(a)
15	Ethanol	45	Compound Not Detected.					
21	Acrolein	56	2.013	1.983	(0.420)	14912	10.0000	10.1792(a)
22	Acetone	43	2.100	2.070	(0.438)	16123	4.00000	4.09213(a)
23	1,1-Dichloroethene	96	2.100	2.070	(0.438)	31121	1.00000	0.937552(a)
25	Iodomethane	142	2.204	2.175	(0.460)	67245	1.00000	0.916317(a)
29	Acetonitrile	41	2.291	2.262	(0.478)	5445	10.0000	9.46672(a)
30	tert-Butyl alcohol	59	2.465	2.453	(0.514)	21933	20.0000	19.3756(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
28 Methylene Chloride	84	2.378	2.366	(0.496)	46134	1.00000	1.41674(a)
31 Acrylonitrile	53	2.552	2.523	(0.532)	27361	10.0000	9.53867(a)
32 trans-1,2-Dichloroethene	96	2.587	2.575	(0.539)	34774	1.00000	0.936505(a)
37 Isopropyl ether	87	3.005	2.992	(0.626)	114665	5.00000	4.68438(a)
36 1,1-Dichloroethane	63	2.918	2.905	(0.608)	68201	1.00000	0.936541(a)
38 Chloroprene	53	3.022	2.992	(0.630)	65196	1.00000	0.953457(a)
41 2-Butanone	43	3.492	3.462	(0.728)	27680	4.00000	4.45844(a)
42 cis-1,2-Dichloroethene	96	3.475	3.462	(0.724)	35530	1.00000	0.974757(a)
45 Propionitrile	54	3.544	3.497	(0.739)	9670	10.0000	9.40945(a)
43 2,2-Dichloropropane	77	3.492	3.480	(0.728)	62334	1.00000	1.04387(a)
46 Methacrylonitrile	41	3.701	3.671	(0.771)	77087	10.0000	9.50517(a)
47 Bromochloromethane	128	3.718	3.706	(0.775)	15444	1.00000	0.984128(a)
50 Chloroform	83	3.805	3.793	(0.793)	67456	1.00000	0.974841(a)
52 1,1,1-Trichloroethane	97	4.049	4.019	(0.844)	69096	1.00000	0.982453(a)
58 Isobutanol	41	4.484	4.367	(0.935)	2333	20.0000	30.4417(aQ)
54 1,1-Dichloropropene	75	4.205	4.193	(0.877)	60288	1.00000	0.985150(a)
55 Carbon Tetrachloride	117	4.240	4.228	(0.884)	64340	1.00000	0.988450(a)
57 1,2-Dichloroethane	62	4.449	4.437	(0.927)	30135	1.00000	1.01217
59 Benzene	78	4.449	4.437	(0.927)	101645	1.00000	0.967117(a)
61 n-Butanol	56	4.780	4.611	(0.996)	7623	30.0000	0.000000(aQ)
63 Trichloroethene	95	5.284	5.255	(1.102)	47257	1.00000	1.02238
66 1,2-Dichloropropane	63	5.545	5.516	(1.156)	38459	1.00000	0.986853(a)
69 1,4-Dioxane	88	Compound Not Detected.					
67 Dibromomethane	93	5.719	5.672	(1.192)	20525	1.00000	1.02265
70 Bromodichloromethane	83	5.945	5.916	(1.239)	57015	1.00000	0.963482(a)
73 cis-1,3-Dichloropropene	75	6.607	6.560	(1.377)	46702	1.00000	0.970839(a)
74 4-Methyl-2-pentanone	43	6.902	6.803	(1.439)	50951	4.00000	4.22678(a)
76 Toluene	91	7.094	7.064	(1.479)	114127	1.00000	0.976364(a)
77 trans-1,3-Dichloropropene	75	7.477	7.395	(1.559)	33870	1.00000	0.987791(a)
79 1,1,2-Trichloroethane	97	7.703	7.656	(1.606)	20479	1.00000	0.929318(a)
82 2-Hexanone	43	8.347	8.108	(0.906)	14467	4.00000	6.99049
81 1,3-Dichloropropane	76	7.964	7.917	(0.864)	35883	1.00000	1.04580
80 Tetrachloroethene	164	7.929	7.899	(0.860)	36877	1.00000	1.01722
84 Dibromochloromethane	129	8.295	8.265	(0.900)	38556	1.00000	1.05837
85 1,2-Dibromoethane	107	8.469	8.404	(0.919)	26897	1.00000	0.983965(a)
88 1-Chlorohexane	91	9.304	9.291	(1.009)	51381	1.00000	0.935048(a)
87 Chlorobenzene	112	9.269	9.239	(1.006)	80975	1.00000	1.02258
89 1,1,1,2-Tetrachloroethane	131	9.408	9.396	(1.021)	36735	1.00000	1.01205
90 Ethylbenzene	106	9.495	9.466	(1.030)	39424	1.00000	1.00794
91 m and p-Xylene	106	9.704	9.674	(1.053)	104647	2.00000	1.97310(a)
92 o-Xylene	106	10.348	10.318	(1.123)	45908	1.00000	0.997050
93 Styrene	104	10.417	10.353	(1.130)	63224	1.00000	0.848909(a)
94 Bromoform	173	10.644	10.597	(1.155)	18080	1.00000	0.865206(a)
95 isopropyl benzene	105	11.009	10.979	(0.832)	138956	1.00000	0.993612(a)
97 Cyclohexanone	55	11.218	11.049	(1.217)	3861	40.0000	60.6927(aQ)
100 1,1,2,2-Tetrachloroethane	83	11.531	11.484	(0.871)	26368	1.00000	1.05358
101 1,2,3-Trichloropropane	110	11.566	11.519	(0.874)	5408	1.00000	0.919622(a)
99 Bromobenzene	156	11.479	11.414	(0.867)	29786	1.00000	1.01017
103 n-Propylbenzene	120	11.722	11.693	(0.886)	33913	1.00000	1.00207
104 2-Chlorotoluene	126	11.809	11.780	(0.892)	28037	1.00000	0.994410(a)
106 1,3,5-Trimethylbenzene	105	12.053	12.023	(0.911)	101069	1.00000	0.968322(a)
105 4-Chlorotoluene	126	12.036	11.971	(0.909)	27761	1.00000	0.935278(a)
107 tert-Butylbenzene	119	12.592	12.563	(0.951)	118643	1.00000	1.00880
108 1,2,4-Trimethylbenzene	105	12.697	12.667	(0.959)	94507	1.00000	0.938810(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 sec-Butylbenzene	134	12.993	12.963	(0.982)	30547	1.00000	1.03341
112 4-Isopropyltoluene	119	13.271	13.241	(1.003)	130635	1.00000	1.00038
110 1,3-Dichlorobenzene	146	13.132	13.085	(0.992)	46619	1.00000	0.888645(a)
113 1,4-dichlorobenzene	146	13.271	13.241	(1.003)	64607	1.00000	1.02188
116 n-Butylbenzene	91	14.019	13.972	(1.059)	127315	1.00000	1.02875
115 1,2-Dichlorobenzene	146	13.950	13.885	(1.054)	44700	1.00000	0.961211(a)
117 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118 1,2,4-Trichlorobenzene	180	16.647	16.565	(1.258)	36620	1.00000	0.967875(a)
119 Hexachlorobutadiene	225	16.821	16.809	(1.271)	35097	1.00000	1.03849
120 Naphthalene	128	16.925	16.826	(1.279)	32976	1.00000	0.874909(a)
121 1,2,3-Trichlorobenzene	180	17.151	17.087	(1.296)	26131	1.00000	0.911646(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Z7136.D

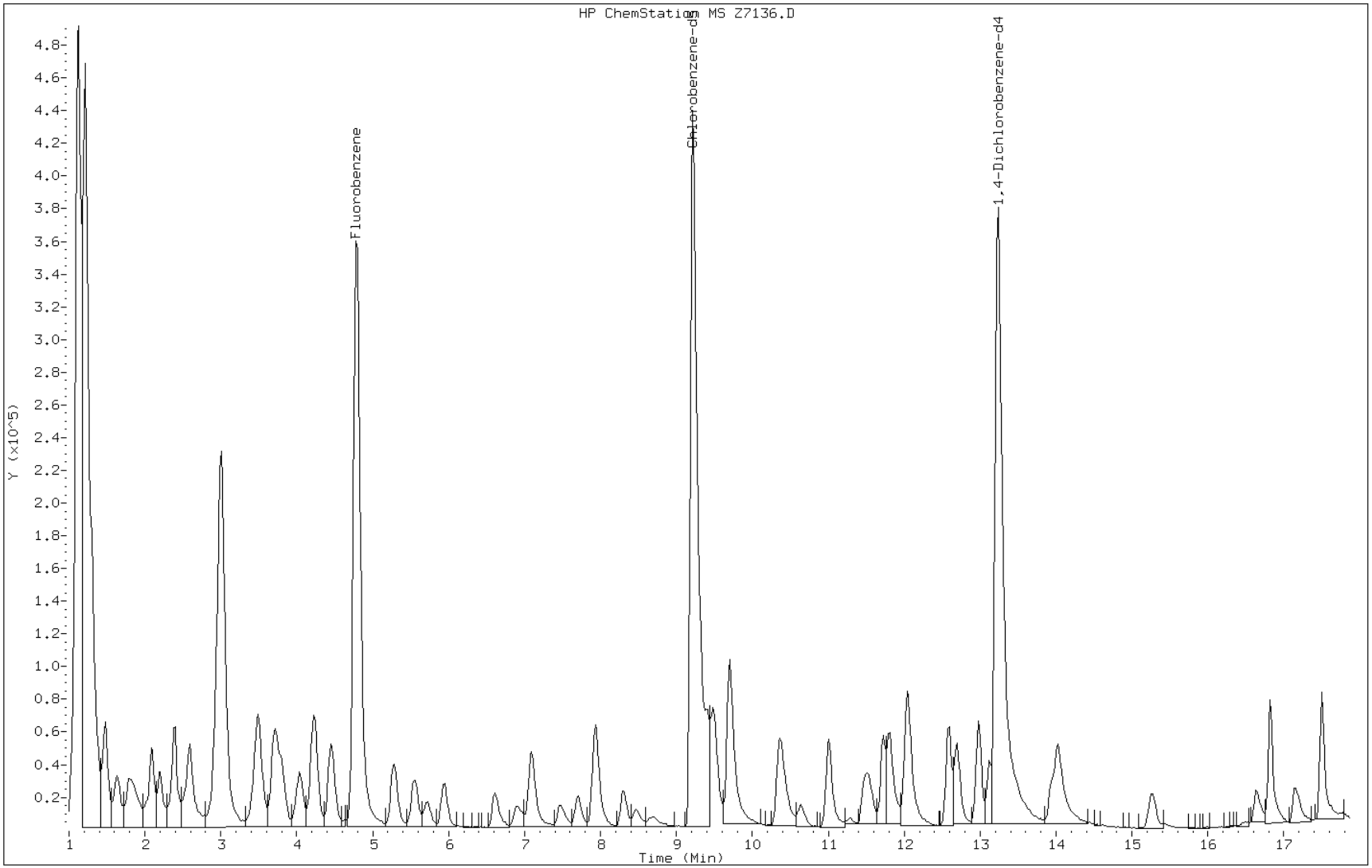
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Instrument: Z.i

Sample Info: IC,,M1.0

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\Z7137.D
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Operator : MEIERG Inst ID: Z.i
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Comment :
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Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	4.764	4.767	(1.000)	988684	12.5000	
* 86	Chlorobenzene-d5	119	9.201	9.204	(1.000)	239632	12.5000	
* 111	1,4-Dichlorobenzene-d4	152	13.220	13.207	(1.000)	390315	12.5000	(Q)
M 1	1,2-Dichloroethene (total)	96				129671	4.00000	3.78932
M 2	Xylene (total)	106				309060	6.00000	5.70604
M 3	1,3-Dichloropropene (total)	75				140234	4.00000	3.56393
M 4	Trihalomethanes (total)	83				325512	8.00000	7.15266
5	Chlorotrifluoroethene	116	1.301	1.305	(0.273)	20401	2.00000	2.05025
6	dichlorodifluoromethane	85	1.336	1.322	(0.280)	76770	2.00000	1.75900(a)
7	Chloromethane	50	1.371	1.374	(0.288)	65513	2.00000	1.79246(aQ)
10	2-Chloro-1,1,1-trifluoroethan	118	1.475	1.479	(0.310)	88897	2.00000	1.94678
9	Vinyl Chloride	62	1.440	1.461	(0.302)	57625	2.00000	1.89639
12	Bromomethane	94	1.614	1.618	(0.339)	56402	2.00000	1.99728(a)
13	Chloroethane	64	1.649	1.635	(0.346)	38765	2.00000	1.96174(a)
16	Trichlorofluoromethane	101	1.788	1.774	(0.375)	135420	2.00000	1.90305(a)
15	Ethanol	45	1.875	1.861	(0.394)	11231	100.000	159.730(aQ)
21	Acrolein	56	1.997	1.983	(0.419)	26393	20.0000	19.3745(a)
22	Acetone	43	2.084	2.070	(0.438)	23790	8.00000	7.78538(a)
23	1,1-Dichloroethene	96	2.084	2.070	(0.438)	58942	2.00000	1.90955
25	Iodomethane	142	2.188	2.175	(0.459)	128656	2.00000	1.88529
29	Acetonitrile	41	2.258	2.262	(0.474)	11143	20.0000	20.8337(a)
30	tert-Butyl alcohol	59	2.449	2.453	(0.514)	40474	40.0000	38.4500(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
28 Methylene Chloride	84	2.362	2.366	(0.496)	73142	2.00000	2.41545(a)
31 Acrylonitrile	53	2.536	2.523	(0.532)	50399	20.0000	18.8947(a)
32 trans-1,2-Dichloroethene	96	2.571	2.575	(0.540)	67126	2.00000	1.94406
37 Isopropyl ether	87	2.989	2.992	(0.627)	216446	10.0000	9.50898(a)
36 1,1-Dichloroethane	63	2.902	2.905	(0.609)	134568	2.00000	1.98720
38 Chloroprene	53	3.006	2.992	(0.631)	125607	2.00000	1.97541
41 2-Butanone	43	3.476	3.462	(0.730)	41227	8.00000	7.14104
42 cis-1,2-Dichloroethene	96	3.459	3.462	(0.726)	62545	2.00000	1.84526
45 Propionitrile	54	3.528	3.497	(0.741)	16254	20.0000	17.0083(a)
43 2,2-Dichloropropane	77	3.476	3.480	(0.730)	104634	2.00000	1.88433(a)
46 Methacrylonitrile	41	3.667	3.671	(0.770)	127881	20.0000	16.9570
47 Bromochloromethane	128	3.702	3.706	(0.777)	26741	2.00000	1.83245
50 Chloroform	83	3.789	3.793	(0.795)	117974	2.00000	1.83342
52 1,1,1-Trichloroethane	97	4.033	4.019	(0.847)	120389	2.00000	1.84081
58 Isobutanol	41	4.433	4.367	(0.931)	5336	40.0000	41.2475(aQ)
54 1,1-Dichloropropene	75	4.207	4.193	(0.883)	104863	2.00000	1.84271
55 Carbon Tetrachloride	117	4.224	4.228	(0.887)	110037	2.00000	1.81792
57 1,2-Dichloroethane	62	4.433	4.437	(0.931)	51574	2.00000	1.86284
59 Benzene	78	4.433	4.437	(0.931)	181318	2.00000	1.85523
61 n-Butanol	56	4.764	4.611	(1.000)	7099	60.0000	0.000000(aQ)
63 Trichloroethene	95	5.268	5.255	(1.106)	81146	2.00000	1.88790
66 1,2-Dichloropropane	63	5.529	5.516	(1.161)	68914	2.00000	1.90163
69 1,4-Dioxane	88	5.825	5.742	(1.223)	1907	100.000	112.999(a)
67 Dibromomethane	93	5.703	5.672	(1.197)	33868	2.00000	1.81466
70 Bromodichloromethane	83	5.930	5.916	(1.245)	100135	2.00000	1.81972
73 cis-1,3-Dichloropropene	75	6.591	6.560	(1.383)	81438	2.00000	1.82055
74 4-Methyl-2-pentanone	43	6.869	6.803	(1.442)	96793	8.00000	7.16087
76 Toluene	91	7.078	7.064	(1.486)	202285	2.00000	1.86102
77 trans-1,3-Dichloropropene	75	7.443	7.395	(1.562)	58796	2.00000	1.74338(a)
79 1,1,2-Trichloroethane	97	7.687	7.656	(1.614)	36870	2.00000	1.79925
82 2-Hexanone	43	8.261	8.108	(0.898)	38708	8.00000	8.93322(Q)
81 1,3-Dichloropropane	76	7.931	7.917	(0.862)	63270	2.00000	1.72482
80 Tetrachloroethene	164	7.913	7.899	(0.860)	69633	2.00000	1.79665
84 Dibromochloromethane	129	8.279	8.265	(0.900)	68536	2.00000	1.75976
85 1,2-Dibromoethane	107	8.453	8.404	(0.919)	46633	2.00000	1.59572
88 1-Chlorohexane	91	9.305	9.291	(1.011)	110420	2.00000	1.87961
87 Chlorobenzene	112	9.253	9.239	(1.006)	162668	2.00000	1.92148
89 1,1,1,2-Tetrachloroethane	131	9.410	9.396	(1.023)	76142	2.00000	1.96216
90 Ethylbenzene	106	9.479	9.466	(1.030)	80944	2.00000	1.93573
91 m and p-Xylene	106	9.688	9.674	(1.053)	213740	4.00000	3.76961
92 o-Xylene	106	10.332	10.318	(1.123)	95320	2.00000	1.93642
93 Styrene	104	10.384	10.353	(1.129)	144514	2.00000	1.81500
94 Bromoform	173	10.628	10.597	(1.155)	38867	2.00000	1.73976
95 isopropyl benzene	105	10.993	10.979	(0.832)	322204	2.00000	1.96262
97 Cyclohexanone	55	11.202	11.049	(1.217)	15638	80.0000	83.5320(aQ)
100 1,1,2,2-Tetrachloroethane	83	11.515	11.484	(0.871)	55945	2.00000	1.90421
101 1,2,3-Trichloropropane	110	11.550	11.519	(0.874)	12104	2.00000	1.75334
99 Bromobenzene	156	11.463	11.414	(0.867)	65747	2.00000	1.89944
103 n-Propylbenzene	120	11.707	11.693	(0.885)	76292	2.00000	1.92033
104 2-Chlorotoluene	126	11.794	11.780	(0.892)	63795	2.00000	1.92746
106 1,3,5-Trimethylbenzene	105	12.037	12.023	(0.911)	231762	2.00000	1.89151
105 4-Chlorotoluene	126	12.020	11.971	(0.909)	61012	2.00000	1.75100
107 tert-Butylbenzene	119	12.577	12.563	(0.951)	265198	2.00000	1.92088
108 1,2,4-Trimethylbenzene	105	12.681	12.667	(0.959)	222689	2.00000	1.88442

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 sec-Butylbenzene	134	12.977	12.963	(0.982)	68377	2.00000	1.97051
112 4-Isopropyltoluene	119	13.255	13.241	(1.003)	291926	2.00000	1.90434
110 1,3-Dichlorobenzene	146	13.116	13.085	(0.992)	108513	2.00000	1.76202
113 1,4-dichlorobenzene	146	13.255	13.241	(1.003)	143053	2.00000	1.92745
116 n-Butylbenzene	91	14.003	13.972	(1.059)	280241	2.00000	1.92897
115 1,2-Dichlorobenzene	146	13.916	13.885	(1.053)	99035	2.00000	1.81411
117 1,2-Dibromo-3-chloropropane	157	15.396	15.277	(1.165)	6945	2.00000	2.01372(Q)
118 1,2,4-Trichlorobenzene	180	16.614	16.565	(1.257)	79552	2.00000	1.79109
119 Hexachlorobutadiene	225	16.822	16.809	(1.272)	77932	2.00000	1.92369
120 Naphthalene	128	16.892	16.826	(1.278)	71032	2.00000	1.60540
121 1,2,3-Trichlorobenzene	180	17.136	17.087	(1.296)	59186	2.00000	1.75895

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Z7137.D

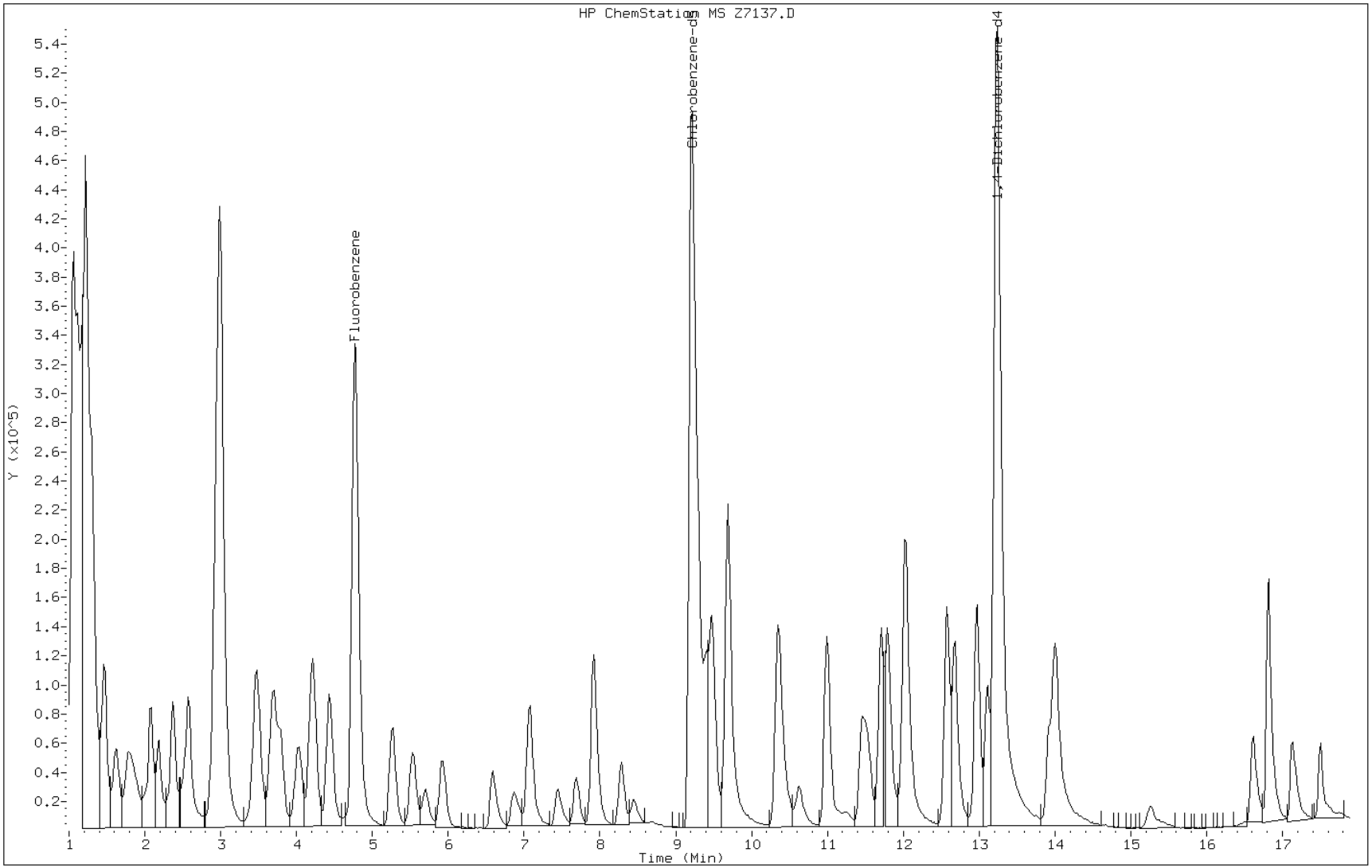
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Instrument: Z.i

Sample Info: IC,,M2.0

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\Z7138.D
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Operator : MEIERG Inst ID: Z.i
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Integrator: HP RTE Compound Sublist: 1-mainbo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	4.767	4.767	(1.000)	1038033	12.5000	
*	86 Chlorobenzene-d5	119	9.205	9.204	(1.000)	215263	12.5000	
*	111 1,4-Dichlorobenzene-d4	152	13.224	13.207	(1.000)	335488	12.5000	(Q)
M	1 1,2-Dichloroethene (total)	96				343275	10.0000	9.55753
M	2 Xylene (total)	106				693454	15.0000	14.2538
M	3 1,3-Dichloropropene (total)	75				401099	10.0000	9.51523
M	4 Trihalomethanes (total)	83				885799	20.0000	19.6155
	5 Chlorotrifluoroethene	116	1.305	1.305	(0.274)	89168	5.00000	4.69027
	6 dichlorodifluoromethane	85	1.322	1.322	(0.277)	248768	5.00000	4.70959
	7 Chloromethane	50	1.374	1.374	(0.288)	184780	5.00000	4.81530
	10 2-Chloro-1,1,1-trifluoroethan	118	1.461	1.479	(0.307)	231242	5.00000	4.82329
	9 Vinyl Chloride	62	1.444	1.461	(0.303)	153493	5.00000	4.81118
	12 Bromomethane	94	1.618	1.618	(0.339)	141488	5.00000	4.77211
	13 Chloroethane	64	1.635	1.635	(0.343)	99079	5.00000	4.77563
	16 Trichlorofluoromethane	101	1.775	1.774	(0.372)	358845	5.00000	4.80310
	15 Ethanol	45	1.879	1.861	(0.394)	17308	250.000	234.456(a)
	21 Acrolein	56	2.001	1.983	(0.420)	65919	50.0000	46.0891
	22 Acetone	43	2.088	2.070	(0.438)	50959	20.0000	18.1744
	23 1,1-Dichloroethene	96	2.070	2.070	(0.434)	152421	5.00000	4.70323
	25 Iodomethane	142	2.175	2.175	(0.456)	329909	5.00000	4.60457
	29 Acetonitrile	41	2.262	2.262	(0.474)	25676	50.0000	45.7234
	30 tert-Butyl alcohol	59	2.453	2.453	(0.515)	101779	100.000	92.0927

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
28 Methylene Chloride	84	2.366	2.366	(0.496)	146849	5.00000	4.61901(a)
31 Acrylonitrile	53	2.540	2.523	(0.533)	127867	50.0000	45.6587
32 trans-1,2-Dichloroethene	96	2.575	2.575	(0.540)	171760	5.00000	4.73791
37 Isopropyl ether	87	2.993	2.992	(0.628)	547869	25.0000	22.9249
36 1,1-Dichloroethane	63	2.906	2.905	(0.610)	326866	5.00000	4.59743
38 Chloroprene	53	2.993	2.992	(0.628)	309670	5.00000	4.63862
41 2-Butanone	43	3.462	3.462	(0.726)	115657	20.0000	19.0809
42 cis-1,2-Dichloroethene	96	3.462	3.462	(0.726)	171515	5.00000	4.81962
45 Propionitrile	54	3.515	3.497	(0.737)	47627	50.0000	47.4679
43 2,2-Dichloropropane	77	3.480	3.480	(0.730)	281334	5.00000	4.82561(a)
46 Methacrylonitrile	41	3.671	3.671	(0.770)	373428	50.0000	47.1623
47 Bromochloromethane	128	3.706	3.706	(0.777)	75232	5.00000	4.91025
50 Chloroform	83	3.793	3.793	(0.796)	329096	5.00000	4.87130
52 1,1,1-Trichloroethane	97	4.037	4.019	(0.847)	337809	5.00000	4.91971
58 Isobutanol	41	4.402	4.367	(0.923)	20586	100.000	89.9486(a)
54 1,1-Dichloropropene	75	4.193	4.193	(0.880)	285429	5.00000	4.77726
55 Carbon Tetrachloride	117	4.228	4.228	(0.887)	305539	5.00000	4.80784
57 1,2-Dichloroethane	62	4.437	4.437	(0.931)	145699	5.00000	5.01242
59 Benzene	78	4.437	4.437	(0.931)	493158	5.00000	4.80605
61 n-Butanol	56	4.750	4.611	(0.996)	7921	150.000	0.000000(aQ)
63 Trichloroethene	95	5.255	5.255	(1.102)	219495	5.00000	4.86388
66 1,2-Dichloropropane	63	5.533	5.516	(1.161)	187109	5.00000	4.91766
69 1,4-Dioxane	88	5.812	5.742	(1.219)	11525	250.000	215.524
67 Dibromomethane	93	5.690	5.672	(1.193)	96077	5.00000	4.90311
70 Bromodichloromethane	83	5.916	5.916	(1.241)	281064	5.00000	4.86485
73 cis-1,3-Dichloropropene	75	6.577	6.560	(1.380)	231670	5.00000	4.93277
74 4-Methyl-2-pentanone	43	6.838	6.803	(1.434)	310270	20.0000	18.9609
76 Toluene	91	7.064	7.064	(1.482)	549769	5.00000	4.81740
77 trans-1,3-Dichloropropene	75	7.430	7.395	(1.558)	169429	5.00000	4.58246
79 1,1,2-Trichloroethane	97	7.673	7.656	(1.609)	102301	5.00000	4.75494
82 2-Hexanone	43	8.195	8.108	(0.890)	146873	20.0000	19.3644
81 1,3-Dichloropropane	76	7.917	7.917	(0.860)	168766	5.00000	5.12162
80 Tetrachloroethene	164	7.917	7.899	(0.860)	182306	5.00000	5.23631
84 Dibromochloromethane	129	8.282	8.265	(0.900)	181470	5.00000	5.18699
85 1,2-Dibromoethane	107	8.439	8.404	(0.917)	128535	5.00000	4.89622
88 1-Chlorohexane	91	9.292	9.291	(1.009)	256693	5.00000	4.86417
87 Chlorobenzene	112	9.257	9.239	(1.006)	383509	5.00000	5.04296
89 1,1,1,2-Tetrachloroethane	131	9.396	9.396	(1.021)	169273	5.00000	4.85595
90 Ethylbenzene	106	9.466	9.466	(1.028)	182263	5.00000	4.85216
91 m and p-Xylene	106	9.674	9.674	(1.051)	479086	10.0000	9.40589
92 o-Xylene	106	10.336	10.318	(1.123)	214368	5.00000	4.84788
93 Styrene	104	10.370	10.353	(1.127)	338904	5.00000	4.73827
94 Bromoform	173	10.614	10.597	(1.153)	94169	5.00000	4.69238
95 isopropyl benzene	105	10.980	10.979	(0.830)	706850	5.00000	5.00922
97 Cyclohexanone	55	11.119	11.049	(1.208)	56509	200.000	177.324
100 1,1,2,2-Tetrachloroethane	83	11.502	11.484	(0.870)	126123	5.00000	4.99444
101 1,2,3-Trichloropropane	110	11.536	11.519	(0.872)	28786	5.00000	4.85128
99 Bromobenzene	156	11.432	11.414	(0.864)	149301	5.00000	5.01822
103 n-Propylbenzene	120	11.693	11.693	(0.884)	172726	5.00000	5.05815
104 2-Chlorotoluene	126	11.797	11.780	(0.892)	138946	5.00000	4.88408
106 1,3,5-Trimethylbenzene	105	12.024	12.023	(0.909)	520724	5.00000	4.94438
105 4-Chlorotoluene	126	11.989	11.971	(0.907)	137851	5.00000	4.60276
107 tert-Butylbenzene	119	12.563	12.563	(0.950)	587794	5.00000	4.95329
108 1,2,4-Trimethylbenzene	105	12.667	12.667	(0.958)	505157	5.00000	4.97328

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 sec-Butylbenzene	134	12.963	12.963	(0.980)	147647	5.00000	4.95030
112 4-Isopropyltoluene	119	13.259	13.241	(1.003)	645291	5.00000	4.89739
110 1,3-Dichlorobenzene	146	13.102	13.085	(0.991)	255530	5.00000	4.82737
113 1,4-dichlorobenzene	146	13.259	13.241	(1.003)	309516	5.00000	4.85184
116 n-Butylbenzene	91	13.990	13.972	(1.058)	632470	5.00000	5.06492
115 1,2-Dichlorobenzene	146	13.903	13.885	(1.051)	228041	5.00000	4.85990
117 1,2-Dibromo-3-chloropropane	157	15.364	15.277	(1.162)	19461	5.00000	4.84094
118 1,2,4-Trichlorobenzene	180	16.583	16.565	(1.254)	187121	5.00000	4.90147
119 Hexachlorobutadiene	225	16.809	16.809	(1.271)	184807	5.00000	5.22715
120 Naphthalene	128	16.861	16.826	(1.275)	195760	5.00000	5.14745
121 1,2,3-Trichlorobenzene	180	17.122	17.087	(1.295)	147649	5.00000	5.10509

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

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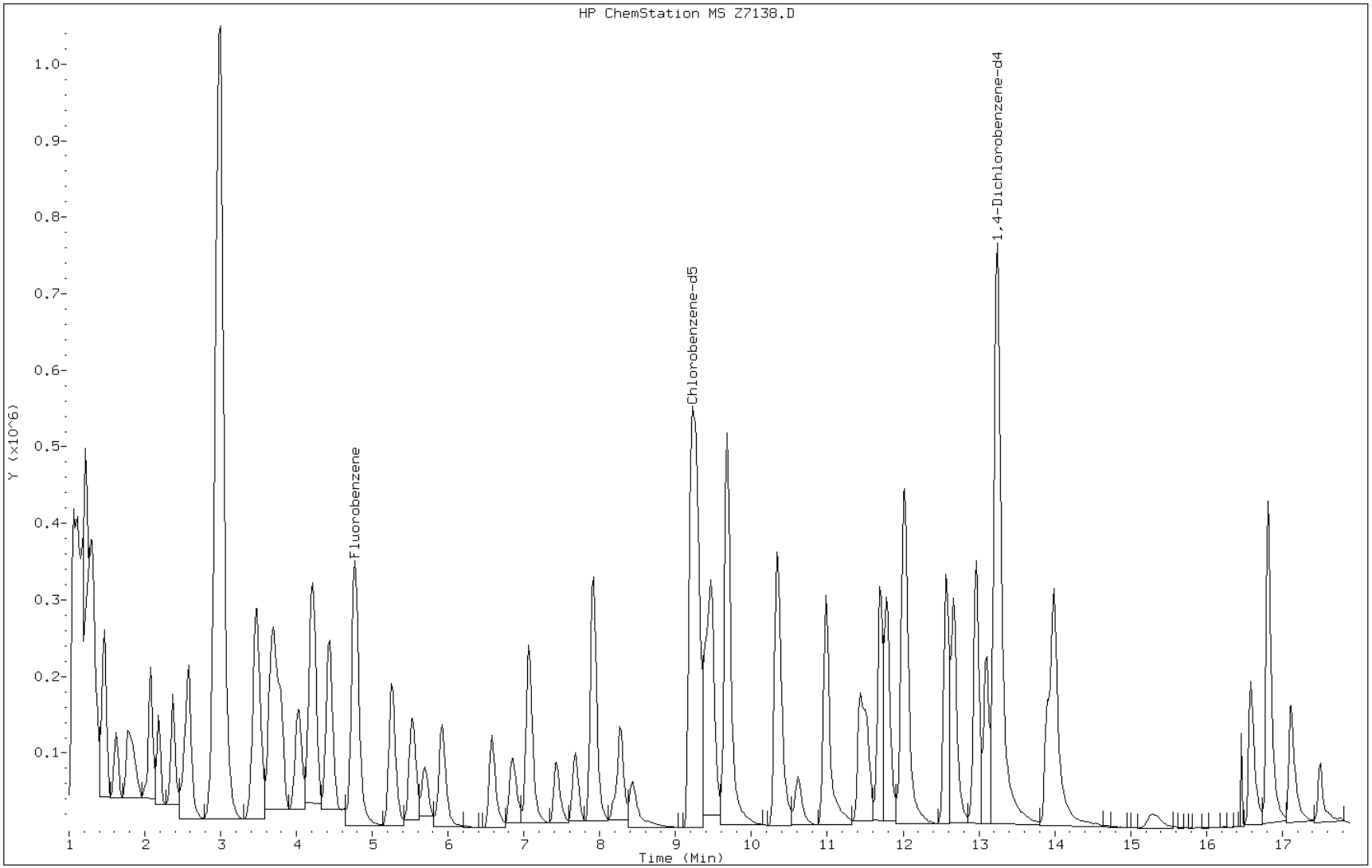
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Instrument: Z.i

Sample Info: IC,,M5.0

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

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Dil Factor: 1.00000
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Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
*	62 Fluorobenzene	96	4.780	4.767	(1.000)	960682	12.5000		
*	86 Chlorobenzene-d5	119	9.199	9.204	(1.000)	208953	12.5000		
*	111 1,4-Dichlorobenzene-d4	152	13.219	13.207	(1.000)	376528	12.5000		(Q)
M	1 1,2-Dichloroethene (total)	96				733482	20.0000	22.0678	
M	2 Xylene (total)	106				1511192	30.0000	32.0018	
M	3 1,3-Dichloropropene (total)	75				823702	20.0000	20.9814	
M	4 Trihalomethanes (total)	83				1859578	40.0000	44.0978	
	5 Chlorotrifluoroethene	116	1.299	1.305	(0.272)	206461	10.0000	9.90871	
	6 dichlorodifluoromethane	85	1.317	1.322	(0.276)	536611	10.0000	10.5181	
	7 Chloromethane	50	1.369	1.374	(0.287)	390109	10.0000	10.9846	
	10 2-Chloro-1,1,1-trifluoroethan	118	1.473	1.479	(0.308)	472901	10.0000	10.6581	
	9 Vinyl Chloride	62	1.456	1.461	(0.305)	324083	10.0000	10.9762	
	12 Bromomethane	94	1.613	1.618	(0.337)	296591	10.0000	10.8089	
	13 Chloroethane	64	1.630	1.635	(0.341)	208256	10.0000	10.8462	
	16 Trichlorofluoromethane	101	1.769	1.774	(0.370)	756578	10.0000	10.9421	
	15 Ethanol	45	Compound Not Detected.						
	21 Acrolein	56	1.995	1.983	(0.418)	142401	100.000	107.580	
	22 Acetone	43	2.082	2.070	(0.436)	105251	40.0000	43.2724	
	23 1,1-Dichloroethene	96	2.065	2.070	(0.432)	324163	10.0000	10.8080	
	25 Iodomethane	142	2.169	2.175	(0.454)	720011	10.0000	10.8584	
	29 Acetonitrile	41	2.256	2.262	(0.472)	55669	100.000	107.116	
	30 tert-Butyl alcohol	59	2.448	2.453	(0.512)	225823	200.000	220.783	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
28 Methylene Chloride	84	2.361	2.366	(0.494)	294935	10.0000	10.0239
31 Acrylonitrile	53	2.517	2.523	(0.527)	283886	100.000	109.532
32 trans-1,2-Dichloroethene	96	2.570	2.575	(0.538)	363940	10.0000	10.8474
37 Isopropyl ether	87	2.987	2.992	(0.625)	1202556	50.0000	54.3710
36 1,1-Dichloroethane	63	2.900	2.905	(0.607)	705919	10.0000	10.7283
38 Chloroprene	53	2.987	2.992	(0.625)	665020	10.0000	10.7636
41 2-Butanone	43	3.457	3.462	(0.723)	249969	40.0000	44.5598
42 cis-1,2-Dichloroethene	96	3.457	3.462	(0.723)	369542	10.0000	11.2203
45 Propionitrile	54	3.509	3.497	(0.734)	106391	100.000	114.573
43 2,2-Dichloropropane	77	3.474	3.480	(0.727)	593802	10.0000	11.0053
46 Methacrylonitrile	41	3.666	3.671	(0.767)	860049	100.000	117.366
47 Bromochloromethane	128	3.701	3.706	(0.774)	164983	10.0000	11.6351
50 Chloroform	83	3.788	3.793	(0.793)	700456	10.0000	11.2030
52 1,1,1-Trichloroethane	97	4.014	4.019	(0.840)	708153	10.0000	11.1436
58 Isobutanol	41	4.397	4.367	(0.920)	53734	200.000	211.751
54 1,1-Dichloropropene	75	4.188	4.193	(0.876)	594200	10.0000	10.7460
55 Carbon Tetrachloride	117	4.223	4.228	(0.884)	649419	10.0000	11.0418
57 1,2-Dichloroethane	62	4.432	4.437	(0.927)	304932	10.0000	11.3351
59 Benzene	78	4.432	4.437	(0.927)	1043685	10.0000	10.9901
61 n-Butanol	56	4.623	4.611	(0.967)	7503	300.000	0.000000(a)
63 Trichloroethene	95	5.249	5.255	(1.098)	433925	10.0000	10.3897
66 1,2-Dichloropropane	63	5.528	5.516	(1.157)	368043	10.0000	10.4519
69 1,4-Dioxane	88	5.789	5.742	(1.211)	34312	500.000	490.598
67 Dibromomethane	93	5.684	5.672	(1.189)	197791	10.0000	10.9066
70 Bromodichloromethane	83	5.911	5.916	(1.237)	561242	10.0000	10.4965
73 cis-1,3-Dichloropropene	75	6.572	6.560	(1.375)	474131	10.0000	10.9081
74 4-Methyl-2-pentanone	43	6.833	6.803	(1.430)	670103	40.0000	42.3628
76 Toluene	91	7.059	7.064	(1.477)	1116693	10.0000	10.5730
77 trans-1,3-Dichloropropene	75	7.407	7.395	(1.550)	349571	10.0000	10.0732
79 1,1,2-Trichloroethane	97	7.668	7.656	(1.604)	218007	10.0000	10.9488
82 2-Hexanone	43	8.155	8.108	(0.887)	371671	40.0000	41.3267
81 1,3-Dichloropropane	76	7.912	7.917	(0.860)	358522	10.0000	11.2088
80 Tetrachloroethene	164	7.912	7.899	(0.860)	374905	10.0000	11.0934
84 Dibromochloromethane	129	8.260	8.265	(0.898)	378906	10.0000	11.1574
85 1,2-Dibromoethane	107	8.416	8.404	(0.915)	286058	10.0000	11.2257
88 1-Chlorohexane	91	9.286	9.291	(1.009)	535234	10.0000	10.4486
87 Chlorobenzene	112	9.251	9.239	(1.006)	796793	10.0000	10.7938
89 1,1,1,2-Tetrachloroethane	131	9.391	9.396	(1.021)	377022	10.0000	11.1423
90 Ethylbenzene	106	9.460	9.466	(1.028)	396303	10.0000	10.8689
91 m and p-Xylene	106	9.669	9.674	(1.051)	1043501	20.0000	21.1057
92 o-Xylene	106	10.313	10.318	(1.121)	467691	10.0000	10.8961
93 Styrene	104	10.348	10.353	(1.125)	766283	10.0000	11.0370
94 Bromoform	173	10.609	10.597	(1.153)	218974	10.0000	11.2408
95 isopropyl benzene	105	10.974	10.979	(0.830)	1542578	10.0000	9.74024
97 Cyclohexanone	55	11.079	11.049	(1.204)	152585	400.000	399.724
100 1,1,2,2-Tetrachloroethane	83	11.496	11.484	(0.870)	311804	10.0000	11.0015
101 1,2,3-Trichloropropane	110	11.531	11.519	(0.872)	73144	10.0000	10.9833
99 Bromobenzene	156	11.427	11.414	(0.864)	360649	10.0000	10.8007
103 n-Propylbenzene	120	11.688	11.693	(0.884)	406220	10.0000	10.5992
104 2-Chlorotoluene	126	11.775	11.780	(0.891)	334728	10.0000	10.4836
106 1,3,5-Trimethylbenzene	105	12.018	12.023	(0.909)	1248795	10.0000	10.5651
105 4-Chlorotoluene	126	11.983	11.971	(0.907)	361822	10.0000	10.7642
107 tert-Butylbenzene	119	12.575	12.563	(0.951)	1363277	10.0000	10.2360
108 1,2,4-Trimethylbenzene	105	12.662	12.667	(0.958)	1202526	10.0000	10.5485

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 sec-Butylbenzene	134	12.958	12.963	(0.980)	344322	10.0000	10.2861
112 4-Isopropyltoluene	119	13.254	13.241	(1.003)	1500764	10.0000	10.1485
110 1,3-Dichlorobenzene	146	13.097	13.085	(0.991)	629722	10.0000	10.5998
113 1,4-dichlorobenzene	146	13.254	13.241	(1.003)	725840	10.0000	10.1378
116 n-Butylbenzene	91	13.984	13.972	(1.058)	1493818	10.0000	10.6588
115 1,2-Dichlorobenzene	146	13.897	13.885	(1.051)	548832	10.0000	10.4216
117 1,2-Dibromo-3-chloropropane	157	15.324	15.277	(1.159)	50857	10.0000	10.2585
118 1,2,4-Trichlorobenzene	180	16.577	16.565	(1.254)	441173	10.0000	10.2966
119 Hexachlorobutadiene	225	16.821	16.809	(1.272)	390733	10.0000	9.80678
120 Naphthalene	128	16.838	16.826	(1.274)	473745	10.0000	11.0992
121 1,2,3-Trichlorobenzene	180	17.099	17.087	(1.294)	335802	10.0000	10.3451

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Z7139.D

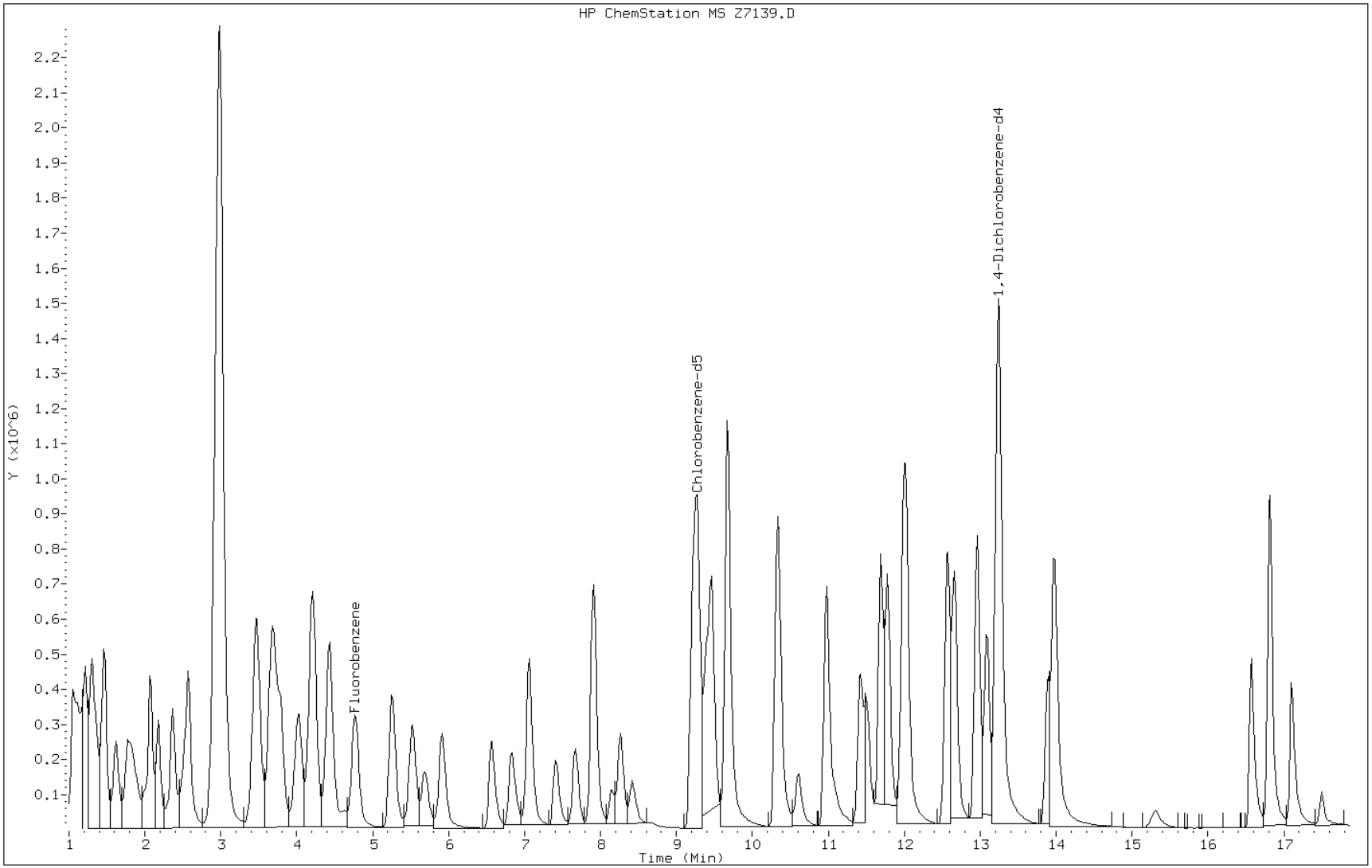
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Instrument: Z.i

Sample Info: IC,,M10

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

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Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	4.767	4.767	(1.000)	971390	12.5000	
* 86	Chlorobenzene-d5	119	9.205	9.204	(1.000)	229787	12.5000	
* 111	1,4-Dichlorobenzene-d4	152	13.207	13.207	(1.000)	393458	12.5000	
M 1	1,2-Dichloroethene (total)	96				2122087	60.0000	63.1168
M 2	Xylene (total)	106				4884554	90.0000	94.0636
M 3	1,3-Dichloropropene (total)	75				2576269	60.0000	64.6657
M 4	Trihalomethanes (total)	83				5544935	120.000	126.655
5	Chlorotrifluoroethene	116	1.305	1.305	(0.274)	694306	30.0000	30.1273
6	dichlorodifluoromethane	85	1.322	1.322	(0.277)	1627417	30.0000	30.8579
7	Chloromethane	50	1.374	1.374	(0.288)	1173012	30.0000	32.6654
10	2-Chloro-1,1,1-trifluoroethan	118	1.479	1.479	(0.310)	1399459	30.0000	31.1928
9	Vinyl Chloride	62	1.461	1.461	(0.307)	939559	30.0000	31.4705
12	Bromomethane	94	1.618	1.618	(0.339)	849050	30.0000	30.6014
13	Chloroethane	64	1.653	1.635	(0.347)	599759	30.0000	30.8918
16	Trichlorofluoromethane	101	1.775	1.774	(0.372)	2211023	30.0000	31.6246
15	Ethanol	45	1.862	1.861	(0.391)	78279	1500.00	1133.12
21	Acrolein	56	2.001	1.983	(0.420)	404877	300.000	302.502
22	Acetone	43	2.088	2.070	(0.438)	295248	120.000	123.956
23	1,1-Dichloroethene	96	2.070	2.070	(0.434)	973825	30.0000	32.1107
25	Iodomethane	142	2.175	2.175	(0.456)	2199167	30.0000	32.7998
29	Acetonitrile	41	2.262	2.262	(0.474)	164723	300.000	313.460
30	tert-Butyl alcohol	59	2.453	2.453	(0.515)	633712	600.000	612.740

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
28 Methylene Chloride	84	2.366	2.366	(0.496)	850425	30.0000	28.5846
31 Acrylonitrile	53	2.523	2.523	(0.529)	825529	300.000	315.003
32 trans-1,2-Dichloroethene	96	2.575	2.575	(0.540)	1098617	30.0000	32.3839
37 Isopropyl ether	87	2.993	2.992	(0.628)	3553113	150.000	158.876
36 1,1-Dichloroethane	63	2.906	2.905	(0.610)	2124633	30.0000	31.9335
38 Chloroprene	53	2.993	2.992	(0.628)	1947261	30.0000	31.1696
41 2-Butanone	43	3.462	3.462	(0.726)	649836	120.000	114.564
42 cis-1,2-Dichloroethene	96	3.462	3.462	(0.726)	1023470	30.0000	30.7329
45 Propionitrile	54	3.515	3.497	(0.737)	288253	300.000	307.000
43 2,2-Dichloropropane	77	3.480	3.480	(0.730)	1608929	30.0000	29.4906
46 Methacrylonitrile	41	3.671	3.671	(0.770)	2329051	300.000	314.329
47 Bromochloromethane	128	3.706	3.706	(0.777)	462694	30.0000	32.2710
50 Chloroform	83	3.793	3.793	(0.796)	1959833	30.0000	30.9998
52 1,1,1-Trichloroethane	97	4.037	4.019	(0.847)	1982919	30.0000	30.8596
58 Isobutanol	41	4.367	4.367	(0.916)	154047	600.000	558.085
54 1,1-Dichloropropene	75	4.193	4.193	(0.880)	1700581	30.0000	30.4156
55 Carbon Tetrachloride	117	4.228	4.228	(0.887)	1851901	30.0000	31.1400
57 1,2-Dichloroethane	62	4.437	4.437	(0.931)	857473	30.0000	31.5231
59 Benzene	78	4.437	4.437	(0.931)	3030887	30.0000	31.5638
61 n-Butanol	56	4.628	4.611	(0.971)	27371	900.000	0.000000(a)
63 Trichloroethene	95	5.255	5.255	(1.102)	1326271	30.0000	31.4056
66 1,2-Dichloropropane	63	5.516	5.516	(1.157)	1138580	30.0000	31.9776
69 1,4-Dioxane	88	5.759	5.742	(1.208)	127529	1500.00	1558.65
67 Dibromomethane	93	5.690	5.672	(1.193)	594365	30.0000	32.4133
70 Bromodichloromethane	83	5.916	5.916	(1.241)	1717279	30.0000	31.7631
73 cis-1,3-Dichloropropene	75	6.560	6.560	(1.376)	1481227	30.0000	33.7024
74 4-Methyl-2-pentanone	43	6.821	6.803	(1.431)	1950494	120.000	119.292
76 Toluene	91	7.064	7.064	(1.482)	3454159	30.0000	32.3439
77 trans-1,3-Dichloropropene	75	7.395	7.395	(1.551)	1095042	30.0000	30.9633
79 1,1,2-Trichloroethane	97	7.673	7.656	(1.609)	611958	30.0000	30.3952
82 2-Hexanone	43	8.126	8.108	(0.883)	1219453	120.000	111.998
81 1,3-Dichloropropane	76	7.917	7.917	(0.860)	1114813	30.0000	31.6934
80 Tetrachloroethene	164	7.900	7.899	(0.858)	1151894	30.0000	30.9942
84 Dibromochloromethane	129	8.265	8.265	(0.898)	1170555	30.0000	31.3434
85 1,2-Dibromoethane	107	8.422	8.404	(0.915)	907327	30.0000	32.3778
88 1-Chlorohexane	91	9.292	9.291	(1.009)	1783241	30.0000	31.6555
87 Chlorobenzene	112	9.239	9.239	(1.004)	2608405	30.0000	32.1314
89 1,1,1,2-Tetrachloroethane	131	9.396	9.396	(1.021)	1208215	30.0000	32.4694
90 Ethylbenzene	106	9.466	9.466	(1.028)	1290097	30.0000	32.1738
91 m and p-Xylene	106	9.674	9.674	(1.051)	3371426	60.0000	62.0074
92 o-Xylene	106	10.318	10.318	(1.121)	1513128	30.0000	32.0562
93 Styrene	104	10.353	10.353	(1.125)	2479229	30.0000	32.4716
94 Bromoform	173	10.597	10.597	(1.151)	697268	30.0000	32.5483
95 isopropyl benzene	105	10.979	10.979	(0.831)	5062723	30.0000	30.5918
97 Cyclohexanone	55	11.066	11.049	(1.202)	548185	1200.00	1186.85
100 1,1,2,2-Tetrachloroethane	83	11.484	11.484	(0.870)	900724	30.0000	30.4132
101 1,2,3-Trichloropropane	110	11.519	11.519	(0.872)	224372	30.0000	32.2420
99 Bromobenzene	156	11.414	11.414	(0.864)	1104480	30.0000	31.6536
103 n-Propylbenzene	120	11.693	11.693	(0.885)	1271491	30.0000	31.7487
104 2-Chlorotoluene	126	11.780	11.780	(0.892)	1052072	30.0000	31.5327(Q)
106 1,3,5-Trimethylbenzene	105	12.024	12.023	(0.910)	3894301	30.0000	31.5292
105 4-Chlorotoluene	126	11.971	11.971	(0.906)	1158482	30.0000	32.9819
107 tert-Butylbenzene	119	12.563	12.563	(0.951)	4338048	30.0000	31.1703
108 1,2,4-Trimethylbenzene	105	12.667	12.667	(0.959)	3844008	30.0000	32.2686

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109	sec-Butylbenzene	134	12.963	12.963	(0.982)	1092742	30.0000	31.2395
112	4-Isopropyltoluene	119	13.242	13.241	(1.003)	4802592	30.0000	31.0787
110	1,3-Dichlorobenzene	146	13.085	13.085	(0.991)	2014654	30.0000	32.4524
113	1,4-dichlorobenzene	146	13.242	13.241	(1.003)	2281190	30.0000	30.4904
116	n-Butylbenzene	91	13.972	13.972	(1.058)	4832656	30.0000	32.9987
115	1,2-Dichlorobenzene	146	13.885	13.885	(1.051)	1747252	30.0000	31.7503
117	1,2-Dibromo-3-chloropropane	157	15.295	15.277	(1.158)	167799	30.0000	30.7452
118	1,2,4-Trichlorobenzene	180	16.565	16.565	(1.254)	1431560	30.0000	31.9736
119	Hexachlorobutadiene	225	16.809	16.809	(1.273)	1250823	30.0000	29.9488
120	Naphthalene	128	16.826	16.826	(1.274)	1468370	30.0000	32.9217
121	1,2,3-Trichlorobenzene	180	17.105	17.087	(1.295)	1099786	30.0000	32.4235

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

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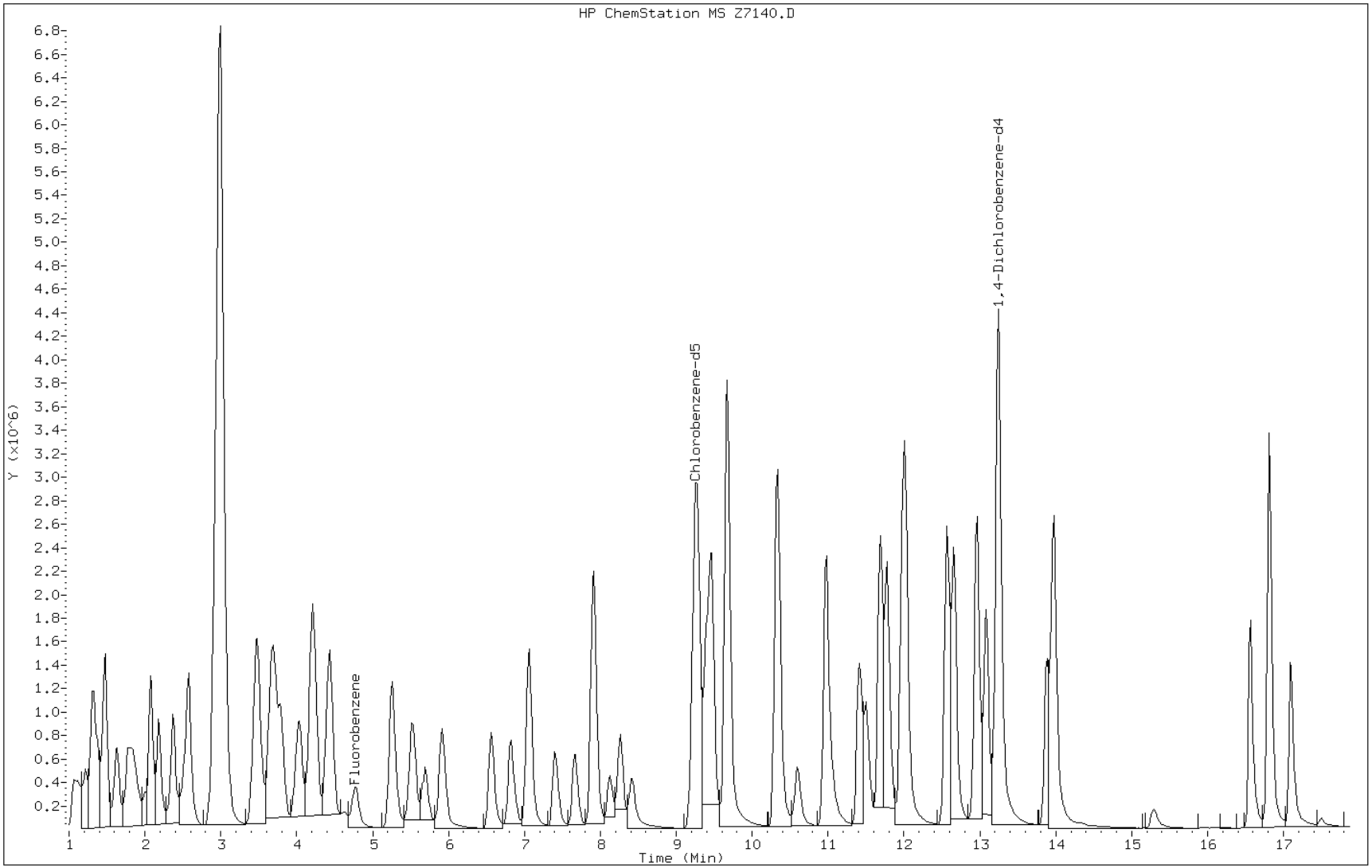
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Instrument: Z.i

Sample Info: IC,,M30

Operator: MEIERG



TestAmerica

VOLATILE REPORT SW-846

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Dil Factor: 1.00000
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Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	4.767	4.767	(1.000)	994715	12.5000	
* 86 Chlorobenzene-d5	119	9.204	9.204	(1.000)	232948	12.5000	
* 111 1,4-Dichlorobenzene-d4	152	13.207	13.207	(1.000)	382816	12.5000	
M 1 1,2-Dichloroethene (total)	96				4305081	120.000	125.059
M 2 Xylene (total)	106				10030415	180.000	190.629
M 3 1,3-Dichloropropene (total)	75				5407779	120.000	133.155
M 4 Trihalomethanes (total)	83				11283685	240.000	254.399
5 Chlorotrifluoroethene	116	1.305	1.305	(0.274)	1498479	60.0000	62.1509(A)
6 dichlorodifluoromethane	85	1.322	1.322	(0.277)	3280421	60.0000	60.4086(A)
7 Chloromethane	50	1.374	1.374	(0.288)	2337118	60.0000	63.5567(A)
10 2-Chloro-1,1,1-trifluoroethan	118	1.479	1.479	(0.310)	2843145	60.0000	61.8854(A)
9 Vinyl Chloride	62	1.461	1.461	(0.307)	1878763	60.0000	61.4536(A)
12 Bromomethane	94	1.618	1.618	(0.339)	1672050	60.0000	58.8508
13 Chloroethane	64	1.635	1.635	(0.343)	1140216	60.0000	57.3520
16 Trichlorofluoromethane	101	1.774	1.774	(0.372)	4327611	60.0000	60.4471(A)
15 Ethanol	45	1.861	1.861	(0.391)	150564	3000.00	2128.38
21 Acrolein	56	1.983	1.983	(0.416)	828450	600.000	604.458(A)
22 Acetone	43	2.070	2.070	(0.434)	558265	240.000	230.748
23 1,1-Dichloroethene	96	2.070	2.070	(0.434)	1892885	60.0000	60.9520(A)
25 Iodomethane	142	2.175	2.175	(0.456)	4288214	60.0000	62.4574(A)
29 Acetonitrile	41	2.262	2.262	(0.474)	299563	600.000	556.688
30 tert-Butyl alcohol	59	2.453	2.453	(0.515)	1301234	1200.00	1228.67(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
28 Methylene Chloride	84	2.366	2.366	(0.496)	1669384	60.0000	54.7958
31 Acrylonitrile	53	2.523	2.523	(0.529)	1679236	600.000	625.734(A)
32 trans-1,2-Dichloroethene	96	2.575	2.575	(0.540)	2198683	60.0000	63.2907(A)
37 Isopropyl ether	87	2.992	2.992	(0.628)	7204514	300.000	314.592(A)
36 1,1-Dichloroethane	63	2.905	2.905	(0.609)	4289550	60.0000	62.9608(A)
38 Chloroprene	53	2.992	2.992	(0.628)	3898935	60.0000	60.9464(A)
41 2-Butanone	43	3.462	3.462	(0.726)	1352242	240.000	232.805
42 cis-1,2-Dichloroethene	96	3.462	3.462	(0.726)	2106398	60.0000	61.7680(A)
45 Propionitrile	54	3.497	3.497	(0.734)	594863	600.000	618.695(A)
43 2,2-Dichloropropane	77	3.480	3.480	(0.730)	3235693	60.0000	57.9175
46 Methacrylonitrile	41	3.671	3.671	(0.770)	4720780	600.000	622.178(A)
47 Bromochloromethane	128	3.706	3.706	(0.777)	934347	60.0000	63.6388(A)
50 Chloroform	83	3.793	3.793	(0.796)	3941984	60.0000	60.8906(A)
52 1,1,1-Trichloroethane	97	4.019	4.019	(0.843)	3991838	60.0000	60.6672(A)
58 Isobutanol	41	4.367	4.367	(0.916)	367410	1200.00	1269.23(A)
54 1,1-Dichloropropene	75	4.193	4.193	(0.880)	3532662	60.0000	61.7015(A)
55 Carbon Tetrachloride	117	4.228	4.228	(0.887)	3872106	60.0000	63.5833(A)
57 1,2-Dichloroethane	62	4.437	4.437	(0.931)	1755111	60.0000	63.0098(A)
59 Benzene	78	4.437	4.437	(0.931)	6168578	60.0000	62.7336(A)
61 n-Butanol	56	4.611	4.611	(0.967)	45125	1800.00	0.000000(a)
63 Trichloroethene	95	5.255	5.255	(1.102)	2676687	60.0000	61.8968(A)
66 1,2-Dichloropropane	63	5.516	5.516	(1.157)	2444307	60.0000	67.0397(A)
69 1,4-Dioxane	88	5.742	5.742	(1.204)	255575	3000.00	2962.86
67 Dibromomethane	93	5.672	5.672	(1.190)	1266561	60.0000	67.4513(A)
70 Bromodichloromethane	83	5.916	5.916	(1.241)	3472175	60.0000	62.7160(A)
73 cis-1,3-Dichloropropene	75	6.560	6.560	(1.376)	2972686	60.0000	66.0515(A)
74 4-Methyl-2-pentanone	43	6.803	6.803	(1.427)	4147792	240.000	246.209(A)
76 Toluene	91	7.064	7.064	(1.482)	7585189	60.0000	69.3604(A)
77 trans-1,3-Dichloropropene	75	7.395	7.395	(1.551)	2435093	60.0000	67.1039(A)
79 1,1,2-Trichloroethane	97	7.656	7.656	(1.606)	1375573	60.0000	66.7208(A)
82 2-Hexanone	43	8.108	8.108	(0.881)	2764242	240.000	243.388(A)
81 1,3-Dichloropropane	76	7.917	7.917	(0.860)	2371144	60.0000	66.4953(A)
80 Tetrachloroethene	164	7.899	7.899	(0.858)	2498410	60.0000	66.3130(A)
84 Dibromochloromethane	129	8.265	8.265	(0.898)	2413501	60.0000	63.7483(A)
85 1,2-Dibromoethane	107	8.404	8.404	(0.913)	1767748	60.0000	62.2258(A)
88 1-Chlorohexane	91	9.291	9.291	(1.009)	3605561	60.0000	63.1361(A)
87 Chlorobenzene	112	9.239	9.239	(1.004)	5297331	60.0000	64.3691(A)
89 1,1,1,2-Tetrachloroethane	131	9.396	9.396	(1.021)	2410099	60.0000	63.8899(A)
90 Ethylbenzene	106	9.466	9.466	(1.028)	2654620	60.0000	65.3054(A)
91 m and p-Xylene	106	9.674	9.674	(1.051)	6890220	120.000	125.006(A)
92 o-Xylene	106	10.318	10.318	(1.121)	3140195	60.0000	65.6234(A)
93 Styrene	104	10.353	10.353	(1.125)	5154195	60.0000	66.5908(A)
94 Bromoform	173	10.597	10.597	(1.151)	1456025	60.0000	67.0446(A)
95 isopropyl benzene	105	10.979	10.979	(0.831)	10593301	60.0000	65.7901(A)
97 Cyclohexanone	55	11.049	11.049	(1.200)	1223076	2400.00	2549.04(A)
100 1,1,2,2-Tetrachloroethane	83	11.484	11.484	(0.870)	1820747	60.0000	63.1871(A)
101 1,2,3-Trichloropropane	110	11.519	11.519	(0.872)	430777	60.0000	63.6231(A)
99 Bromobenzene	156	11.414	11.414	(0.864)	2291197	60.0000	67.4895(A)
103 n-Propylbenzene	120	11.693	11.693	(0.885)	2499774	60.0000	64.1537(A)
104 2-Chlorotoluene	126	11.780	11.780	(0.892)	2091483	60.0000	64.4285(A)
106 1,3,5-Trimethylbenzene	105	12.023	12.023	(0.910)	7495068	60.0000	62.3688(A)
105 4-Chlorotoluene	126	11.971	11.971	(0.906)	2240871	60.0000	65.5710(A)
107 tert-Butylbenzene	119	12.563	12.563	(0.951)	8409774	60.0000	62.1068(A)
108 1,2,4-Trimethylbenzene	105	12.667	12.667	(0.959)	7542505	60.0000	65.0757(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
109 sec-Butylbenzene	134	12.963	12.963	(0.982)	2184441	60.0000	64.1851(A)
112 4-Isopropyltoluene	119	13.241	13.241	(1.003)	9454511	60.0000	62.8833(A)
110 1,3-Dichlorobenzene	146	13.085	13.085	(0.991)	4070341	60.0000	67.3885(A)
113 1,4-dichlorobenzene	146	13.241	13.241	(1.003)	4428269	60.0000	60.8338(A)
116 n-Butylbenzene	91	13.972	13.972	(1.058)	9185965	60.0000	64.4680(A)
115 1,2-Dichlorobenzene	146	13.885	13.885	(1.051)	3402898	60.0000	63.5550(A)
117 1,2-Dibromo-3-chloropropane	157	15.277	15.277	(1.157)	313110	60.0000	58.2646
118 1,2,4-Trichlorobenzene	180	16.565	16.565	(1.254)	2772757	60.0000	63.6506(A)
119 Hexachlorobutadiene	225	16.809	16.809	(1.273)	2384186	60.0000	58.6284
120 Naphthalene	128	16.826	16.826	(1.274)	2826582	60.0000	65.1353(A)
121 1,2,3-Trichlorobenzene	180	17.087	17.087	(1.294)	2123805	60.0000	64.3538(A)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: Z7141.D

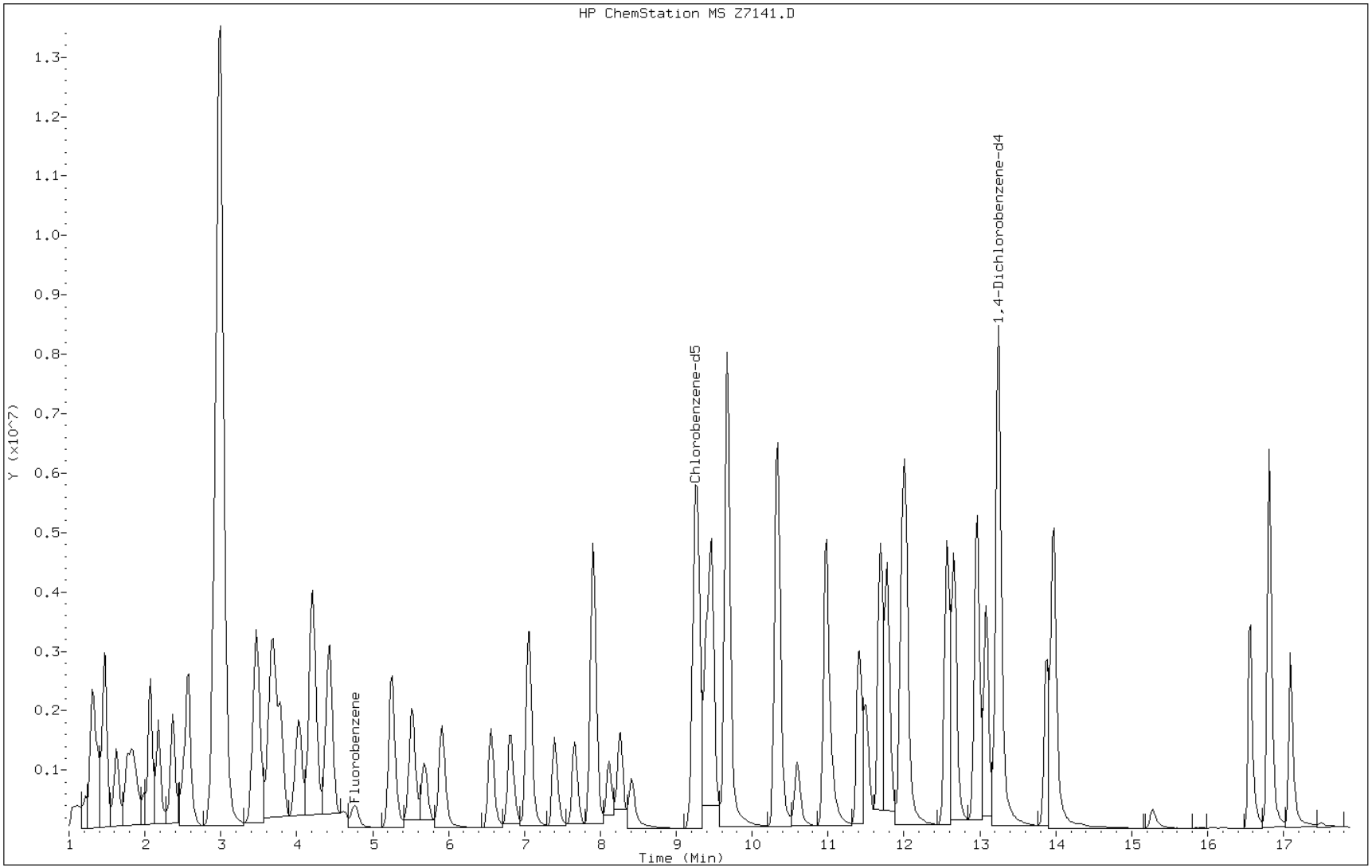
Date: 11-JUN-2012 15:37

Client ID: IC

Instrument: Z.i

Sample Info: IC,,M60

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Lab Sample ID: ICV 280-123533/8 Calibration Date: 06/11/2012 13:07

Instrument ID: MSV_Z Calib Start Date: 06/11/2012 10:59

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 06/11/2012 12:46

Lab File ID: Z7134.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	1.010	0.9732		9.63	10.0	-3.7	50.0
Ethyl ether	Ave	0.2441	0.2286		9.36	10.0	-6.4	35.0
Isopropyl alcohol	Ave	0.0082	0.0079		192	200	-3.8	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	1.043	1.013		9.71	10.0	-2.9	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.5439	0.5435		9.99	10.0	-0.0	35.0
Carbon disulfide	Ave	1.520	1.460		9.61	10.0	-3.9	20.0
Allyl chloride	Ave	0.7659	0.7642		9.98	10.0	-0.2	35.0
Methyl acetate	Ave	0.1090	0.1033		47.4	50.0	-5.3	55.0
Methyl tert-butyl ether	Ave	0.6053	0.5673		9.37	10.0	-6.3	20.0
Hexane	Ave	3.239	3.125		9.65	10.0	-3.5	20.0
Vinyl acetate	Ave	0.5230	0.4533		17.3	20.0	-13.3	55.0
Tert-butyl ethyl ether	Ave	1.217	1.166		47.9	50.0	-4.2	35.0
Ethyl acetate	Lin2	0.2134	0.2231		19.6	20.0	-2.0	55.0
2-Butanol	Ave	0.0108	0.0111		310	301	2.8	50.0
Tetrahydrofuran	Ave	0.0364	0.0363		19.9	20.0	-0.3	55.0
Cyclohexane	Ave	0.8271	0.8600		10.4	10.0	4.0	35.0
Tert-amyl methyl ether	Ave	0.8291	0.8143		49.1	50.0	-1.8	35.0
2-Pentanone	Ave	0.1683	0.1805		42.9	40.0	7.3	55.0
Methylcyclohexane	Ave	0.7594	0.7833		10.3	10.0	3.1	35.0
Methyl methacrylate	Ave	0.0495	0.0499		20.2	20.0	0.8	35.0
2-Nitropropane	Lin2	0.0240	0.0298		11.2	10.0	12.3	55.0
2-Chloroethyl vinyl ether	Ave	0.1108	0.1139		10.3	10.0	2.9	55.0
Ethyl methacrylate	Ave	1.332	1.314		19.7	20.0	-1.3	35.0
cis-1,4-Dichloro-2-butene	Lin2	0.1730	0.2030		10.1	10.0	0.9	55.0
trans-1,4-Dichloro-2-butene	Lin2	0.1585	0.1592		9.46	10.0	-5.4	55.0
Dibromofluoromethane (Surr)	Ave	0.6900	0.7284		9.50	9.00	5.6	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3263	0.3356		9.25	9.00	2.8	35.0
Toluene-d8 (Surr)	Ave	6.250	6.340		9.13	9.00	1.4	35.0
4-Bromofluorobenzene (Surr)	Ave	2.250	2.481		9.93	9.00	10.3	35.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\Z7134.D
Lab Smp Id: ICV
Inj Date : 11-JUN-2012 13:07
Operator : MEIERG Inst ID: Z.i
Smp Info : ICV,,S
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\8260B-H2O.m
Meth Date : 11-Jun-2012 23:25 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp-.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	4.768	4.765	(1.000)	1050715	12.5000	
* 86 Chlorobenzene-d5	119	9.205	9.202	(1.000)	238465	12.5000	
* 111 1,4-Dichlorobenzene-d4	152	13.224	13.222	(1.000)	327233	12.5000	
$ 51 Dibromofluoromethane (Surr)	111	3.967	3.947	(0.832)	551046	9.50072	9.50072(R)
$ 56 1,2-Dichloroethane-d4	65	4.350	4.330	(0.912)	253863	9.25451	9.25451(R)
$ 75 Toluene-d8	98	6.960	6.958	(0.756)	1088535	9.12949	9.12949(R)
$ 98 4-Bromofluorobenzene (Surr)	95	11.206	11.186	(0.847)	584535	9.92534	9.92534(R)
11 Ethylene Oxide	43	1.583	1.563	(0.332)	694636	1236.53	1236.53
14 Dichlorofluoromethane	67	1.757	1.737	(0.369)	818071	9.63326	9.63326
19 1,2-dichloro-1,1,2-trifluoro	117	1.931	1.911	(0.405)	491287	9.75632	9.75632
17 Ethyl Ether	59	1.914	1.894	(0.402)	192122	9.36251	9.36251
20 2,2-dichloro-1,1,1-trifluoro	83	1.949	1.929	(0.409)	851366	9.71029	9.71029
24 Trichlorotrifluoroethane	151	2.123	2.103	(0.445)	456806	9.99249	9.99249
18 2-propanol	45	1.914	1.894	(0.402)	132887	192.301	192.301
27 Methyl Acetate	43	2.279	2.259	(0.478)	433958	47.3598	47.3598
39 Allyl Chloride	41	2.279	2.277	(0.478)	642328	9.97684	9.97684
26 Carbon Disulfide	76	2.245	2.225	(0.471)	1227642	9.61070	9.61070
33 Methyl t-butyl ether	73	2.593	2.573	(0.544)	476860	9.37255	9.37255
34 Hexane	57	2.784	2.781	(0.302)	596136	9.64688	9.64688
35 Vinyl acetate	43	2.941	2.921	(0.617)	762126	17.3377	17.3377
40 ETBE	59	3.341	3.338	(0.701)	4900607	47.8943	47.8943
44 Ethyl Acetate	43	3.532	3.512	(0.741)	375033	19.5993	19.5993(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
48	Tetrahydrofuran	42	3.793	3.756	(0.796)	60987	19.9313	19.9313
49	2-Butanol	45	3.689	3.669	(0.774)	281753	310.017	310.017
53	Cyclohexane	56	4.106	4.104	(0.861)	722860	10.3968	10.3968
60	TAME	73	4.611	4.609	(0.967)	3422367	49.1050	49.1050
64	2-Pentanone	43	5.516	5.479	(1.157)	606971	42.9006	42.9006
65	Methyl Cyclohexane	55	5.533	5.531	(1.161)	658423	10.3141	10.3141
68	Methyl Methacrylate	100	5.759	5.722	(1.208)	83934	20.1534	20.1534
71	2-nitropropane	41	6.229	6.209	(1.307)	25074	11.2313	11.2313
72	2-Chloroethyl vinyl ether	63	6.403	6.366	(1.343)	95778	10.2875	10.2875
78	Ethyl methacrylate	69	7.639	7.601	(0.830)	501427	19.7373	19.7373
83	Tetrahydrothiophene	60	8.283	8.228	(0.900)	63891	8.77573	8.77573
96	cis-1,4-dichloro-2-butene	53	11.119	11.082	(0.841)	53144	10.0948	10.0948
102	t-1,4-Dichloro-2-butene	53	11.658	11.604	(0.882)	41668	9.46325	9.46325
114	1,2,3-Trimethylbenzene	105	13.381	13.378	(1.012)	1075187	10.4382	10.4382

QC Flag Legend

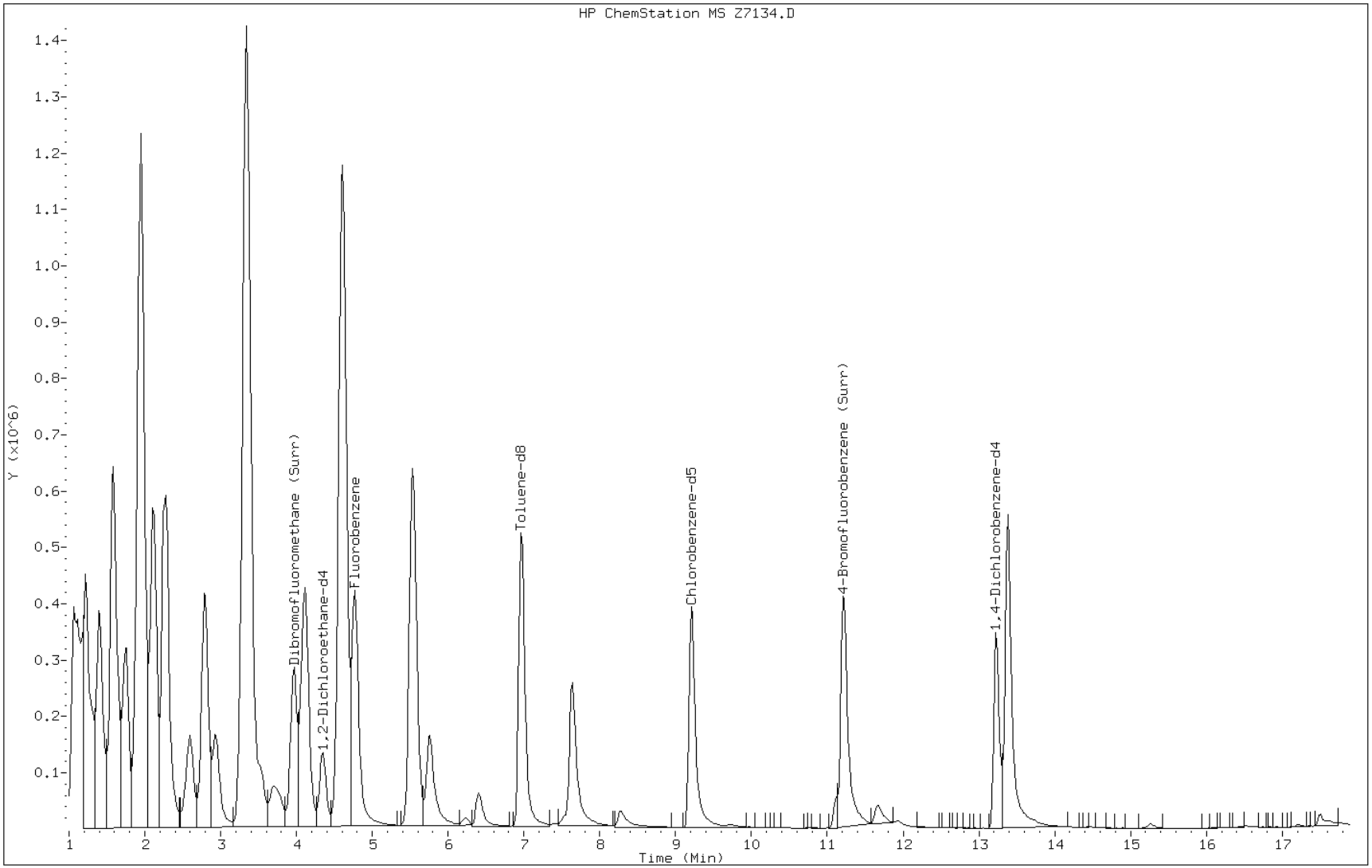
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: Z7134.D

Date: 11-JUN-2012 13:07

Client ID: Instrument: Z.i

Sample Info: ICV,,S Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Lab Sample ID: ICV 280-123533/16 Calibration Date: 06/11/2012 15:58

Instrument ID: MSV_Z Calib Start Date: 06/11/2012 13:29

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 06/11/2012 15:37

Lab File ID: Z7142.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloro-1,3-butadiene	Ave	0.8039	0.7251		9.02	10.0	-9.8	35.0
Propionitrile	Ave	0.0121	0.0115		94.9	100	-5.1	35.0
Methacrylonitrile	Ave	0.0953	0.0850		89.1	100	-10.9	50.0
Isobutyl alcohol	Lin2	0.0030	0.0033		201	200	0.7	50.0
1,4-Dioxane	Lin1	0.0008	0.0008		227	200	13.7	55.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\Z7142.D
Lab Smp Id: ICV
Inj Date : 11-JUN-2012 15:58
Operator : MEIERG Inst ID: Z.i
Smp Info : ICV,,B
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\8260B-H2O.m
Meth Date : 11-Jun-2012 23:45 tinkhams Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvmb-eth.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	4.765	4.767	(1.000)	1088018	12.5000	
* 86 Chlorobenzene-d5	119	9.202	9.204	(1.000)	273059	12.5000	
* 111 1,4-Dichlorobenzene-d4	152	13.222	13.207	(1.000)	397466	12.5000	(Q)
38 Chloroprene	53	2.990	2.992	(0.628)	631134	9.01958	9.01958
45 Propionitrile	54	3.512	3.497	(0.737)	99806	94.9028	94.9028
46 Methacrylonitrile	41	3.651	3.671	(0.766)	739443	89.0980	89.0980
58 Isobutanol	41	4.400	4.367	(0.923)	57532	201.443	201.443(Q)
69 1,4-Dioxane	88	5.774	5.742	(1.212)	13242	227.460	227.460(Q)

QC Flag Legend

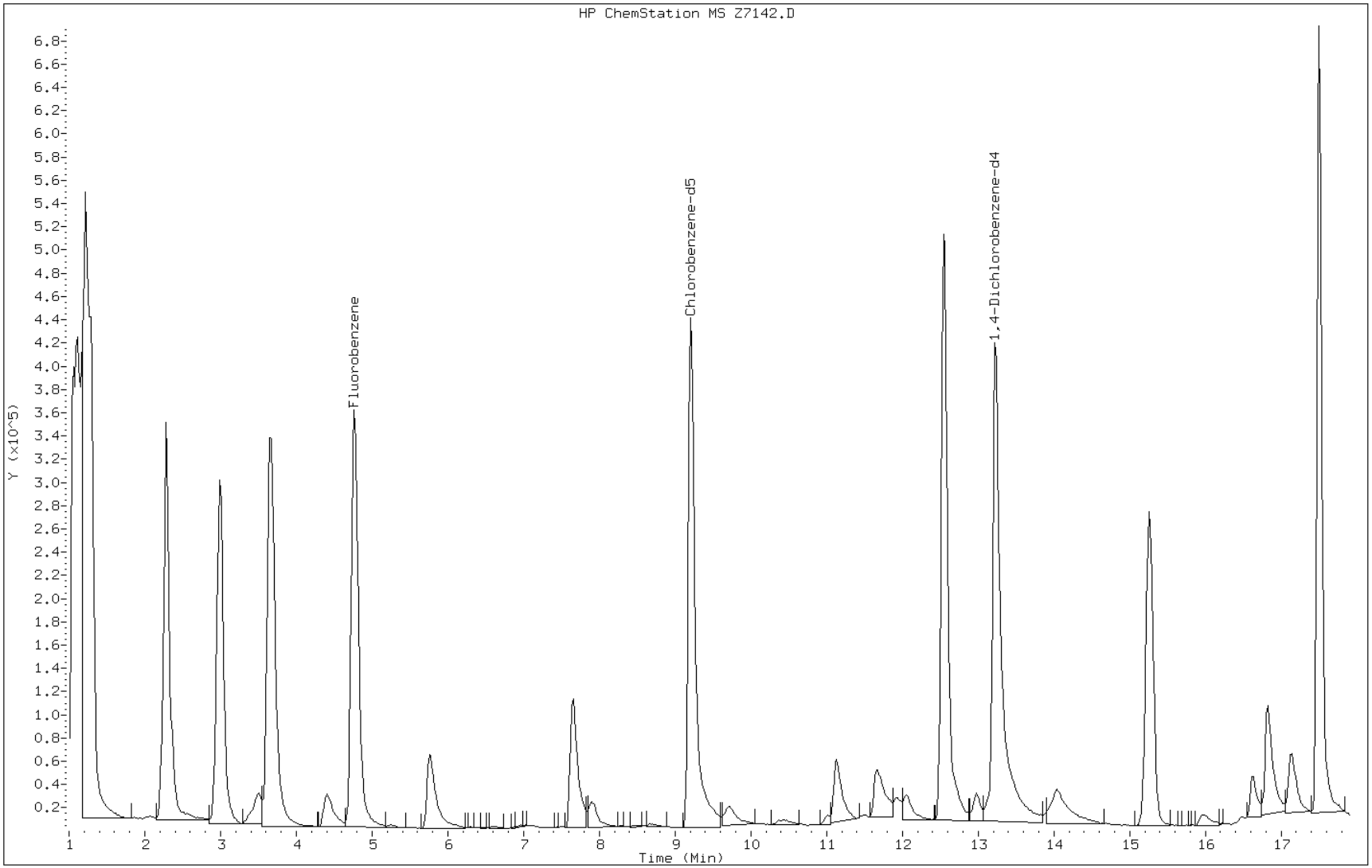
Q - Qualifier signal failed the ratio test.

Data File: Z7142.D

Date: 11-JUN-2012 15:58

Client ID: Instrument: Z.i

Sample Info: ICV,,B Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Lab Sample ID: ICV 280-123533/17 Calibration Date: 06/11/2012 16:19

Instrument ID: MSV_Z Calib Start Date: 06/11/2012 13:29

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 06/11/2012 15:37

Lab File ID: Z7143.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin2	0.6104	0.6118		9.26	10.0	-7.4	20.0
Chloromethane	Ave	0.4621	0.5098	0.1000	11.0	10.0	10.3	20.0
Vinyl chloride	Ave	0.3842	0.3895		10.1	10.0	1.4	20.0
Bromomethane	Ave	0.3570	0.3675		10.3	10.0	2.9	20.0
Chloroethane	Ave	0.2498	0.2525		10.1	10.0	1.0	20.0
Trichlorofluoromethane	Ave	0.8997	0.9043		10.1	10.0	0.5	20.0
Acetone	Lin2	0.0351	0.0343		43.4	40.0	8.5	20.0
2-Butanone (MEK)	Ave	0.0730	0.0588		32.2	40.0	-19.5	20.0
4-Methyl-2-pentanone (MIBK)	Lin2	0.1890	0.1632		32.1	40.0	-19.8	20.0
2-Hexanone	Lin	0.4345	0.4155		32.3	40.0	-19.2	20.0
Cyclohexanone	Lin2	0.0203	0.0148		194	250	-22.6	35.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\Z7143.D
Lab Smp Id: ICV Client Smp ID: ICV
Inj Date : 11-JUN-2012 16:19
Operator : MEIERG Inst ID: Z.i
Smp Info : ICV,,A
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\8260B-H2O.m
Meth Date : 12-Jun-2012 05:32 meierg Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-gka+bo.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	4.779	4.767	(1.000)	982037	12.5000	
* 86 Chlorobenzene-d5	119	9.199	9.204	(1.000)	216059	12.5000	
* 111 1,4-Dichlorobenzene-d4	152	13.219	13.207	(1.000)	356103	12.5000	(Q)
6 dichlorodifluoromethane	85	1.334	1.322	(0.279)	480678	9.25951	9.25951
7 Chloromethane	50	1.369	1.374	(0.286)	400512	11.0323	11.0323(Q)
9 Vinyl Chloride	62	1.456	1.461	(0.305)	305982	10.1378	10.1378
12 Bromomethane	94	1.612	1.618	(0.337)	288713	10.2930	10.2930
13 Chloroethane	64	1.647	1.635	(0.345)	198329	10.1046	10.1046
16 Trichlorofluoromethane	101	1.786	1.774	(0.374)	710459	10.0516	10.0516
21 Acrolein	56	1.995	1.983	(0.418)	126003	93.1219	93.1219
22 Acetone	43	2.082	2.070	(0.436)	107920	43.4116	43.4116
41 2-Butanone	43	3.474	3.462	(0.727)	184611	32.1934	32.1934
74 4-Methyl-2-pentanone	43	6.832	6.803	(1.430)	512984	32.0797	32.0797
82 2-Hexanone	43	8.155	8.109	(0.887)	287254	32.3287	32.3286
97 Cyclohexanone	55	11.113	11.049	(1.208)	64099	193.568	193.568
5 Chlorotrifluoroethene	116	1.299	1.305	(0.272)	205686	9.68775	9.68775
10 2-Chloro-1,1,1-trifluoroethan	118	1.473	1.479	(0.308)	461153	10.1673	10.1673

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: Z7143.D

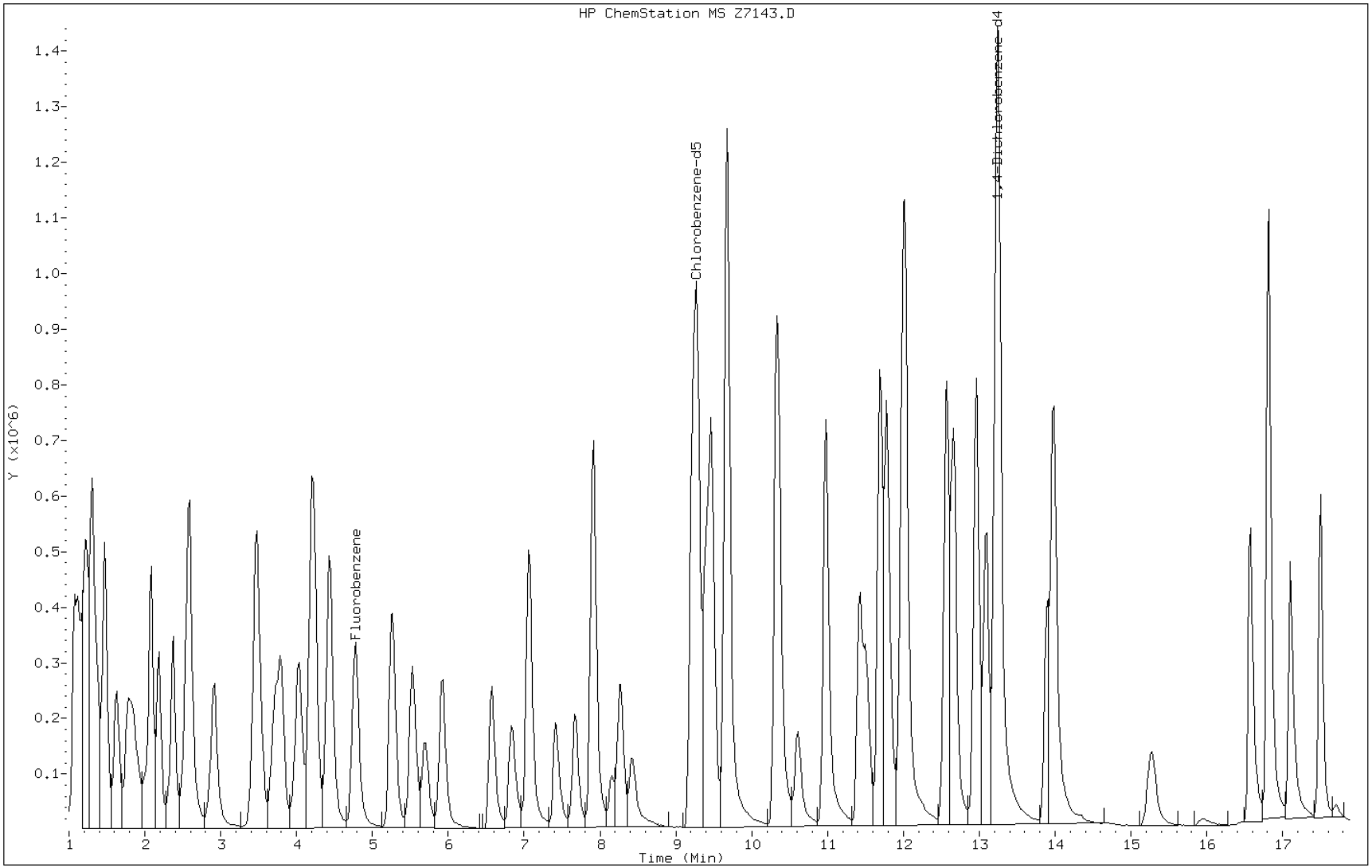
Date: 11-JUN-2012 16:19

Client ID: ICV

Instrument: Z.i

Sample Info: ICV,,A

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Lab Sample ID: ICV 280-123534/2 Calibration Date: 06/12/2012 00:11

Instrument ID: MSV_Z Calib Start Date: 06/11/2012 13:29

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 06/11/2012 15:37

Lab File ID: Z7146.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.4366	0.4368		20.2	20.0	0.0	20.0
Xylenes, Total	Ave	2.854	2.955		31.4	30.0	3.5	35.0
Acrolein	Ave	0.0172	0.0175		102	100	1.5	55.0
1,1-Dichloroethene	Ave	0.3903	0.4049		10.4	10.0	3.8	20.0
Iodomethane	Ave	0.8628	0.8556		9.92	10.0	-0.8	35.0
Methylene Chloride	Ave	0.3828	0.3732		9.75	10.0	-2.5	20.0
Acrylonitrile	Ave	0.0337	0.0357		106	100	5.7	55.0
trans-1,2-Dichloroethene	Ave	0.4365	0.4479		10.3	10.0	2.6	20.0
1,1-Dichloroethane	Ave	0.8562	0.8645	0.1000	10.1	10.0	1.0	20.0
cis-1,2-Dichloroethene	Ave	0.4285	0.4257		9.93	10.0	-0.7	20.0
2,2-Dichloropropane	Ave	0.7021	0.6890		9.81	10.0	-1.9	20.0
Chlorobromomethane	Ave	0.1845	0.1917		10.4	10.0	3.9	20.0
Chloroform	Ave	0.8135	0.7910		9.72	10.0	-2.8	20.0
1,1,1-Trichloroethane	Ave	0.8269	0.7561		9.14	10.0	-8.6	20.0
1,1-Dichloropropene	Ave	0.7195	0.6647		9.24	10.0	-7.6	20.0
Carbon tetrachloride	Ave	0.7653	0.7259		9.49	10.0	-5.1	20.0
Benzene	Ave	1.236	1.215		9.83	10.0	-1.7	20.0
1,2-Dichloroethane	Ave	0.3500	0.3572		10.2	10.0	2.0	20.0
Trichloroethene	Ave	0.5434	0.5063		9.32	10.0	-6.8	20.0
1,2-Dichloropropane	Ave	0.4582	0.4545		9.92	10.0	-0.8	20.0
Dibromomethane	Ave	0.2360	0.2414		10.2	10.0	2.3	20.0
Dichlorobromomethane	Ave	0.6957	0.6983		10.0	10.0	0.4	20.0
cis-1,3-Dichloropropene	Ave	0.5656	0.6008		10.6	10.0	6.2	20.0
Toluene	Ave	1.374	1.368		9.95	10.0	-0.5	20.0
trans-1,3-Dichloropropene	Lin2	0.4150	0.4543		10.1	10.0	0.6	20.0
1,1,2-Trichloroethane	Ave	0.2591	0.2516		9.71	10.0	-2.9	20.0
1,3-Dichloropropane	Ave	1.913	2.044		10.7	10.0	6.8	20.0
Tetrachloroethene	Ave	2.022	2.046		10.1	10.0	1.2	20.0
Chlorodibromomethane	Ave	2.032	2.175		10.7	10.0	7.1	20.0
Ethylene Dibromide	Ave	1.524	1.620		10.6	10.0	6.3	20.0
Chlorobenzene	Ave	4.416	4.596	0.3000	10.4	10.0	4.1	20.0
1-Chlorohexane	Ave	3.064	2.954		9.64	10.0	-3.6	35.0
1,1,1,2-Tetrachloroethane	Ave	2.024	2.173		10.7	10.0	7.4	20.0
Ethylbenzene	Ave	2.181	2.253		10.3	10.0	3.3	20.0
m-Xylene & p-Xylene	Ave	2.958	3.066		20.7	20.0	3.7	20.0
o-Xylene	Ave	2.568	2.732		10.6	10.0	6.4	20.0
Styrene	Ave	4.153	4.415		10.6	10.0	6.3	20.0
Bromoform	Ave	1.165	1.273	0.1000	10.9	10.0	9.2	20.0
Isopropylbenzene	Ave	5.258	5.439		10.3	10.0	3.5	20.0
Bromobenzene	Ave	1.109	1.206		10.9	10.0	8.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9409	1.018	0.3000	10.8	10.0	8.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Lab Sample ID: ICV 280-123534/2 Calibration Date: 06/12/2012 00:11

Instrument ID: MSV_Z Calib Start Date: 06/11/2012 13:29

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 06/11/2012 15:37

Lab File ID: Z7146.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.2211	0.2461		11.1	10.0	11.3	20.0
N-Propylbenzene	Ave	1.272	1.298		10.2	10.0	2.0	20.0
2-Chlorotoluene	Ave	1.060	1.089		10.3	10.0	2.7	20.0
4-Chlorotoluene	Ave	1.116	1.212		10.9	10.0	8.6	20.0
1,3,5-Trimethylbenzene	Ave	3.924	4.198		10.7	10.0	7.0	20.0
tert-Butylbenzene	Ave	4.421	4.483		10.1	10.0	1.4	20.0
1,2,4-Trimethylbenzene	Ave	3.785	3.885		10.3	10.0	2.6	20.0
sec-Butylbenzene	Ave	1.111	1.125		10.1	10.0	1.2	20.0
1,3-Dichlorobenzene	Ave	1.972	2.010		10.2	10.0	1.9	20.0
1,4-Dichlorobenzene	Ave	2.377	2.468		10.4	10.0	3.8	20.0
4-Isopropyltoluene	Ave	4.909	4.848		9.88	10.0	-1.2	20.0
1,2-Dichlorobenzene	Ave	1.748	1.957		11.2	10.0	12.0	20.0
n-Butylbenzene	Ave	4.653	5.070		10.9	10.0	9.0	20.0
1,2-Dibromo-3-Chloropropane	Lin2	0.1546	0.1753		10.6	10.0	6.2	20.0
1,2,4-Trichlorobenzene	Ave	1.422	1.488		10.5	10.0	4.6	20.0
Hexachlorobutadiene	Lin2	1.283	1.304		9.85	10.0	-1.5	20.0
Naphthalene	Ave	1.417	1.477		10.4	10.0	4.3	20.0
1,2,3-Trichlorobenzene	Ave	1.078	1.128		10.5	10.0	4.6	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\061112MA.B\Z7146.D
Lab Smp Id: ICV Client Smp ID: ICV
Inj Date : 12-JUN-2012 00:11
Operator : TINKHAMS Inst ID: Z.i
Smp Info : ICV,,MA
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\061112MA.B\8260B-H2O.m
Meth Date : 12-Jun-2012 06:06 meierg Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvam-.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
*	62 Fluorobenzene	96	4.750	4.767	(1.000)	1060586	12.5000		
*	86 Chlorobenzene-d5	119	9.187	9.204	(1.000)	229359	12.5000		
*	111 1,4-Dichlorobenzene-d4	152	13.206	13.207	(1.000)	369521	12.5000		(Q)
M	1 1,2-Dichloroethene (total)	96				741198	20.1931	20.1931	
M	2 Xylene (total)	106				1626424	31.3718	31.3718	
M	3 1,3-Dichloropropene (total)	75				895191	20.6837	20.6837	
M	4 Trihalomethanes (total)	83				1896335	41.3916	41.3916	
	21 Acrolein	56	1.966	1.983	(0.414)	148388	101.543	101.543	
	23 1,1-Dichloroethene	96	2.053	2.070	(0.432)	343556	10.3756	10.3756	
	25 Iodomethane	142	2.157	2.175	(0.454)	725963	9.91688	9.91688	
	28 Methylene Chloride	84	2.348	2.366	(0.494)	316647	9.74808	9.74808	
	31 Acrylonitrile	53	2.505	2.523	(0.527)	302538	105.733	105.733	
	32 trans-1,2-Dichloroethene	96	2.557	2.575	(0.538)	380022	10.2598	10.2598	
	36 1,1-Dichloroethane	63	2.888	2.905	(0.608)	733529	10.0978	10.0978	
	42 cis-1,2-Dichloroethene	96	3.445	3.462	(0.725)	361176	9.93333	9.93332	
	43 2,2-Dichloropropane	77	3.462	3.480	(0.729)	584589	9.81400	9.81400	
	47 Bromochloromethane	128	3.688	3.706	(0.777)	162682	10.3922	10.3922	
	50 Chloroform	83	3.758	3.793	(0.791)	671128	9.72284	9.72284	
	52 1,1,1-Trichloroethane	97	4.001	4.019	(0.842)	641543	9.14449	9.14449	
	54 1,1-Dichloropropene	75	4.175	4.193	(0.879)	563999	9.23899	9.23899	
	55 Carbon Tetrachloride	117	4.210	4.228	(0.886)	615886	9.48525	9.48525	
	57 1,2-Dichloroethane	62	4.419	4.437	(0.930)	303056	10.2042	10.2042	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
59 Benzene	78	4.402	4.437	(0.927)	1031042	9.83432	9.83432
63 Trichloroethene	95	5.237	5.255	(1.103)	429615	9.31757	9.31757
66 1,2-Dichloropropane	63	5.498	5.516	(1.158)	385621	9.91951	9.91951
67 Dibromomethane	93	5.672	5.672	(1.194)	204841	10.2314	10.2314
70 Bromodichloromethane	83	5.898	5.916	(1.242)	592495	10.0372	10.0372
73 cis-1,3-Dichloropropene	75	6.559	6.560	(1.381)	509751	10.6229	10.6229
76 Toluene	91	7.047	7.064	(1.484)	1160287	9.95093	9.95093
77 trans-1,3-Dichloropropene	75	7.395	7.395	(1.557)	385440	10.0607	10.0607
79 1,1,2-Trichloroethane	97	7.656	7.656	(1.612)	213489	9.71194	9.71194
81 1,3-Dichloropropane	76	7.899	7.917	(0.860)	375065	10.6827	10.6827
80 Tetrachloroethene	164	7.899	7.899	(0.860)	375428	10.1206	10.1206
84 Dibromochloromethane	129	8.247	8.265	(0.898)	399113	10.7068	10.7068
85 1,2-Dibromoethane	107	8.404	8.404	(0.915)	297230	10.6264	10.6264
88 1-Chlorohexane	91	9.274	9.291	(1.009)	541969	9.63880	9.63880
87 Chlorobenzene	112	9.239	9.239	(1.006)	843365	10.4083	10.4083
89 1,1,1,2-Tetrachloroethane	131	9.378	9.396	(1.021)	398807	10.7375	10.7375
90 Ethylbenzene	106	9.465	9.466	(1.030)	413426	10.3297	10.3297
91 m and p-Xylene	106	9.657	9.674	(1.051)	1125197	20.7333	20.7333
92 o-Xylene	106	10.318	10.318	(1.123)	501227	10.6385	10.6385
93 Styrene	104	10.335	10.353	(1.125)	810095	10.6300	10.6300
94 Bromoform	173	10.596	10.597	(1.153)	233599	10.9247	10.9247
95 isopropyl benzene	105	10.962	10.979	(0.830)	1607909	10.3453	10.3453
100 1,1,2,2-Tetrachloroethane	83	11.484	11.484	(0.870)	301047	10.8234	10.8234
101 1,2,3-Trichloropropane	110	11.519	11.519	(0.872)	72750	11.1313	11.1313
99 Bromobenzene	156	11.414	11.414	(0.864)	356403	10.8759	10.8759
103 n-Propylbenzene	120	11.693	11.693	(0.885)	383566	10.1979	10.1979
104 2-Chlorotoluene	126	11.780	11.780	(0.892)	321883	10.2724	10.2724
106 1,3,5-Trimethylbenzene	105	12.023	12.023	(0.910)	1241070	10.6989	10.6989
105 4-Chlorotoluene	126	11.971	11.971	(0.906)	358256	10.8602	10.8602
107 tert-Butylbenzene	119	12.563	12.563	(0.951)	1325391	10.1403	10.1403
108 1,2,4-Trimethylbenzene	105	12.650	12.667	(0.958)	1148378	10.2645	10.2645
109 sec-Butylbenzene	134	12.963	12.963	(0.982)	332554	10.1230	10.1230
112 4-Isopropyltoluene	119	13.241	13.241	(1.003)	1433232	9.87560	9.87560
110 1,3-Dichlorobenzene	146	13.085	13.085	(0.991)	594300	10.1932	10.1932
113 1,4-dichlorobenzene	146	13.241	13.241	(1.003)	729495	10.3821	10.3821
116 n-Butylbenzene	91	13.972	13.972	(1.058)	1498921	10.8981	10.8981
115 1,2-Dichlorobenzene	146	13.885	13.885	(1.051)	578598	11.1951	11.1951
117 1,2-Dibromo-3-chloropropane	157	15.312	15.277	(1.159)	51806	10.6191	10.6191(Q)
118 1,2,4-Trichlorobenzene	180	16.565	16.565	(1.254)	439774	10.4585	10.4585
119 Hexachlorobutadiene	225	16.808	16.809	(1.273)	385337	9.85451	9.85451
120 Naphthalene	128	16.843	16.826	(1.275)	436738	10.4262	10.4262
121 1,2,3-Trichlorobenzene	180	17.104	17.087	(1.295)	333340	10.4640	10.4640

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: Z7146.D

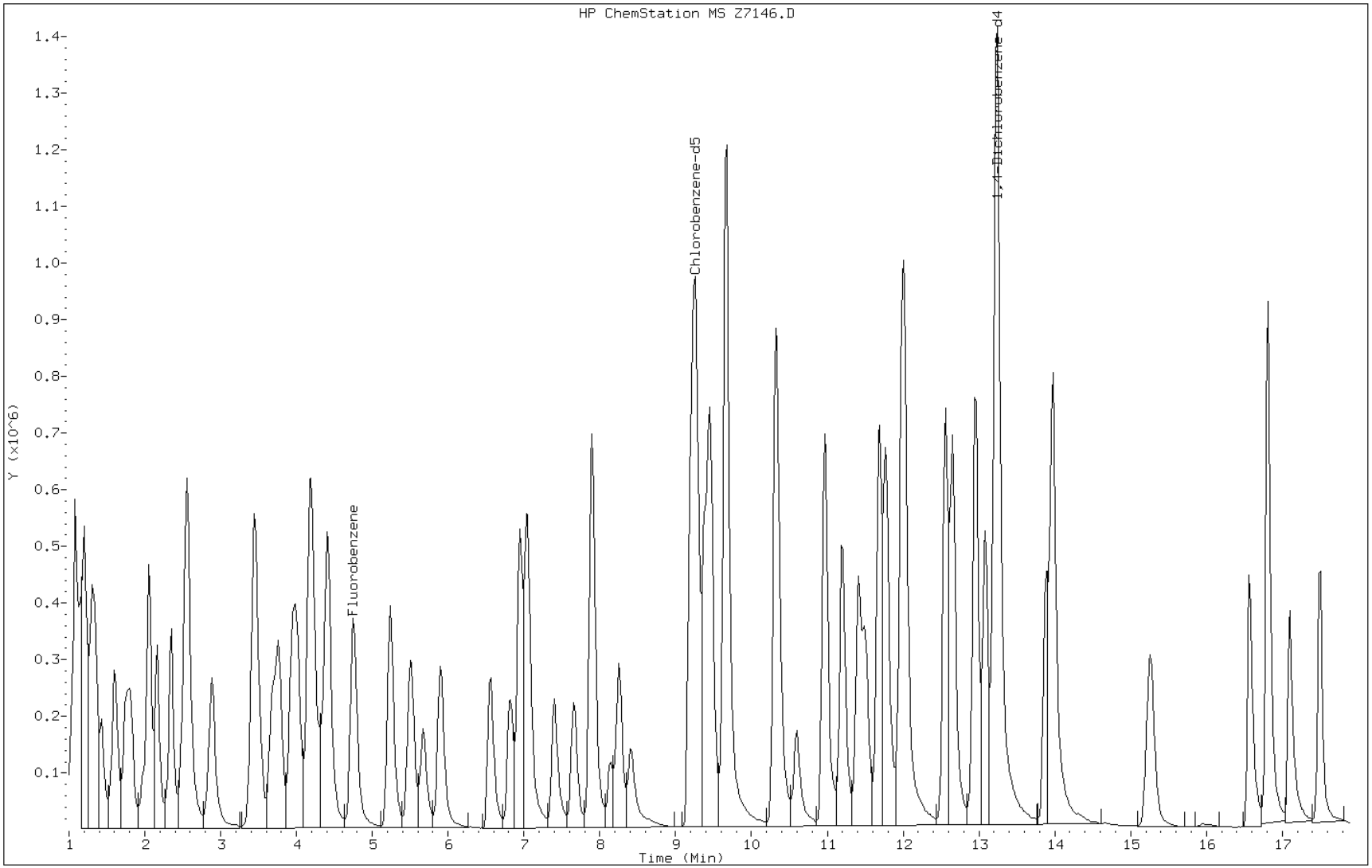
Date: 12-JUN-2012 00:11

Client ID: ICV

Instrument: Z.i

Sample Info: ICV,,MA

Operator: TINKHAMS



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Lab Sample ID: CCV 280-126144/2 Calibration Date: 06/29/2012 06:03

Instrument ID: MSV_Z Calib Start Date: 06/11/2012 13:29

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 06/11/2012 15:37

Lab File ID: Z7873.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin2	0.6104	0.5285		8.04	10.0	-19.6	20.0
Chloromethane	Ave	0.4621	0.4378	0.1000	9.47	10.0	-5.3	20.0
Vinyl chloride	Ave	0.3842	0.4092		10.7	10.0	6.5	20.0
Bromomethane	Ave	0.3570	0.3451		9.67	10.0	-3.3	20.0
Chloroethane	Ave	0.2498	0.2604		10.4	10.0	4.2	20.0
Trichlorofluoromethane	Ave	0.8997	0.7819		8.69	10.0	-13.1	20.0
Acrolein	Ave	0.0172	0.0172		99.4	99.5	-0.0	50.0
Acetone	Lin2	0.0351	0.0321		40.5	40.0	1.2	20.0
2-Butanone (MEK)	Ave	0.0730	0.0826		45.3	40.0	13.2	20.0
4-Methyl-2-pentanone (MIBK)	Lin2	0.1890	0.2337		45.3	40.0	13.3	20.0
2-Hexanone	Lin	0.4345	0.6307		46.1	40.0	15.3	20.0
Cyclohexanone	Lin2	0.0203	0.0269		461	400	15.3	50.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\Z7873.D
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 29-JUN-2012 06:03
Operator : MEIERG Inst ID: Z.i
Smp Info : CCV,,M
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\8260B-H2O.m
Meth Date : 29-Jun-2012 11:05 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-gase+.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	4.759	4.759	(1.000)	866520	12.5000	
* 86 Chlorobenzene-d5	119	9.197	9.197	(1.000)	176390	12.5000	
* 111 1,4-Dichlorobenzene-d4	152	13.199	13.199	(1.000)	288637	12.5000	(Q)
6 dichlorodifluoromethane	85	1.331	1.331	(0.280)	366352	10.0000	8.04498
7 Chloromethane	50	1.366	1.366	(0.287)	303496	10.0000	9.47444(Q)
9 Vinyl Chloride	62	1.453	1.453	(0.305)	283695	10.0000	10.6524
12 Bromomethane	94	1.610	1.610	(0.338)	239235	10.0000	9.66603
13 Chloroethane	64	1.645	1.645	(0.346)	180499	10.0000	10.4221
16 Trichlorofluoromethane	101	1.784	1.784	(0.375)	542043	10.0000	8.69122
21 Acrolein	56	1.993	1.993	(0.419)	118676	100.000	99.3993
22 Acetone	43	2.080	2.080	(0.437)	89076	40.0000	40.4660
41 2-Butanone	43	3.454	3.454	(0.726)	229071	40.0000	45.2719
74 4-Methyl-2-pentanone	43	6.830	6.830	(1.435)	647870	40.0000	45.3064
82 2-Hexanone	43	8.153	8.153	(0.886)	356009	40.0000	46.1255
97 Cyclohexanone	55	11.076	11.076	(1.204)	151555	400.000	461.047

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: Z7873.D

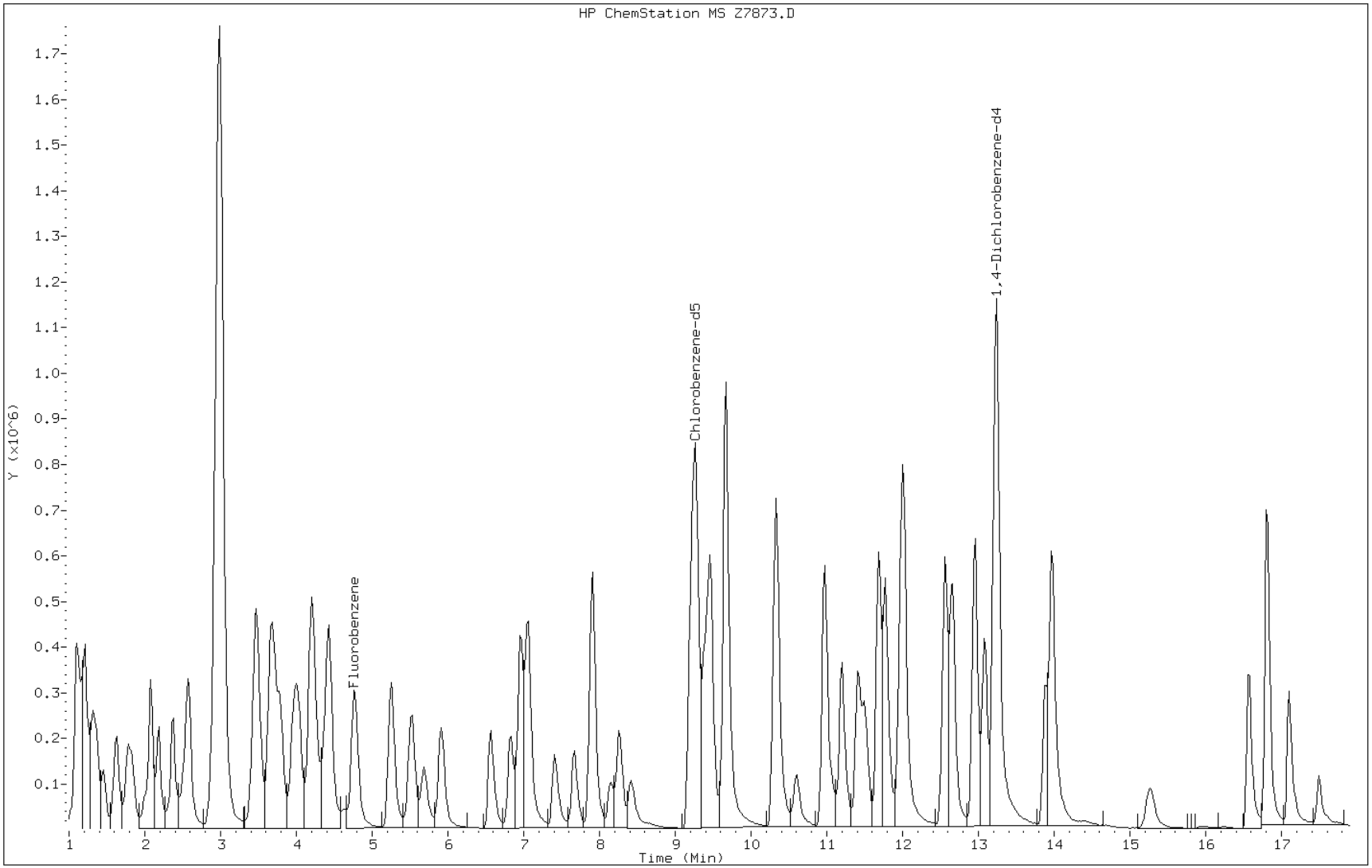
Date: 29-JUN-2012 06:03

Client ID: CCV

Instrument: Z.i

Sample Info: CCV,,M

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Lab Sample ID: CCV 280-126144/3 Calibration Date: 06/29/2012 06:25

Instrument ID: MSV_Z Calib Start Date: 06/11/2012 10:59

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 06/11/2012 12:46

Lab File ID: Z7874.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	1.010	0.8348		8.26	10.0	-17.4	50.0
Ethyl ether	Ave	0.2441	0.2186		8.95	10.0	-10.5	35.0
Isopropyl alcohol	Ave	0.0082	0.0074		181	200	-9.7	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	1.043	0.9128		8.75	10.0	-12.5	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.5439	0.4379		8.05	10.0	-19.5	50.0
Carbon disulfide	Ave	1.520	1.324		8.71	10.0	-12.9	20.0
Allyl chloride	Ave	0.7659	0.7063		9.22	10.0	-7.8	35.0
Methyl acetate	Ave	0.1090	0.1040		47.7	50.0	-4.6	50.0
Methyl tert-butyl ether	Ave	0.6053	0.5088		8.41	10.0	-15.9	20.0
Hexane	Ave	3.239	3.124		9.64	10.0	-3.6	20.0
Vinyl acetate	Ave	0.5230	0.3477		13.3	20.0	-33.5	50.0
Tert-butyl ethyl ether	Ave	1.217	1.070		44.0	50.0	-12.1	35.0
Ethyl acetate	Lin2	0.2134	0.2057		18.2	20.0	-9.0	50.0
2-Butanol	Ave	0.0108	0.0111		307	300	2.2	50.0
Tetrahydrofuran	Ave	0.0364	0.0359		19.7	20.0	-1.4	50.0
Cyclohexane	Ave	0.8271	0.8460		10.2	10.0	2.3	35.0
Tert-amyl methyl ether	Ave	0.8291	0.7626		46.0	50.0	-8.0	35.0
2-Pentanone	Ave	0.1683	0.1475		35.1	40.0	-12.4	50.0
Methylcyclohexane	Ave	0.7594	0.7555		9.95	10.0	-0.5	35.0
Methyl methacrylate	Ave	0.0495	0.0458		18.5	20.0	-7.5	35.0
2-Nitropropane	Lin2	0.0240	0.0248		9.50	10.0	-5.0	50.0
2-Chloroethyl vinyl ether	Ave	0.1108	0.1199		10.8	10.0	8.3	50.0
Ethyl methacrylate	Ave	1.332	1.398		21.0	20.0	5.0	35.0
cis-1,4-Dichloro-2-butene	Lin2	0.1730	0.1078		6.11	10.0	-38.9	50.0
trans-1,4-Dichloro-2-butene	Lin2	0.1585	0.1531		9.13	10.0	-8.7	50.0
Dibromofluoromethane (Surr)	Ave	0.6900	0.5821		7.59	9.00	-15.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3263	0.2534		6.99	9.00	-22.4*	20.0
Toluene-d8 (Surr)	Ave	6.250	6.005		8.65	9.00	-3.9	20.0
4-Bromofluorobenzene (Surr)	Ave	2.250	2.045		8.18	9.00	-9.1	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\Z7874.D
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 29-JUN-2012 06:25
Operator : MEIERG Inst ID: Z.i
Smp Info : CCV,,S
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\8260B-H2O.m
Meth Date : 29-Jun-2012 11:05 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
* 62 Fluorobenzene	96	4.765	4.765	(1.000)	906620	12.5000	
* 86 Chlorobenzene-d5	119	9.202	9.202	(1.000)	192480	12.5000	
* 111 1,4-Dichlorobenzene-d4	152	13.222	13.222	(1.000)	291366	12.5000	(Q)
$ 51 Dibromofluoromethane (Surr)	111	3.965	3.965	(0.832)	379946	10.0000	7.59189
$ 56 1,2-Dichloroethane-d4	65	4.330	4.330	(0.909)	165394	10.0000	6.98769
$ 75 Toluene-d8	98	6.958	6.958	(0.756)	832256	10.0000	8.64769
$ 98 4-Bromofluorobenzene (Surr)	95	11.204	11.204	(0.847)	428929	10.0000	8.17972
8 1,2-Dichlorotetrafluoroethane	85	1.390	1.390	(0.292)	517713	10.0000	8.19494
11 Ethylene Oxide	43	1.581	1.581	(0.332)	552988	1250.00	1140.84
14 Dichlorofluoromethane	67	1.738	1.738	(0.365)	605505	10.0000	8.26341
19 1,2-dichloro-1,1,2-trifluoro	117	1.929	1.929	(0.405)	358037	10.0000	8.24021
17 Ethyl Ether	59	1.912	1.912	(0.401)	158550	10.0000	8.95450
20 2,2-dichloro-1,1,1-trifluoro	83	1.946	1.946	(0.409)	662024	10.0000	8.75083
24 Trichlorotrifluoroethane	151	2.103	2.103	(0.441)	317580	10.0000	8.05109
18 2-propanol	45	1.912	1.912	(0.401)	107725	200.000	180.666
27 Methyl Acetate	43	2.277	2.277	(0.478)	377215	50.0000	47.7101
39 Allyl Chloride	41	2.277	2.277	(0.478)	512248	10.0000	9.22096
26 Carbon Disulfide	76	2.242	2.242	(0.471)	960332	10.0000	8.71293
33 Methyl t-butyl ether	73	2.590	2.590	(0.544)	369040	10.0000	8.40621
34 Hexane	57	2.782	2.782	(0.302)	481023	10.0000	9.64376
35 Vinyl acetate	43	2.921	2.921	(0.613)	504357	20.0000	13.2973
40 ETBE	59	3.338	3.338	(0.701)	3880378	50.0000	43.9509

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44 Ethyl Acetate	43	3.530	3.530	(0.741)	298342	20.0000	18.1912(Q)
48 Tetrahydrofuran	42	3.773	3.773	(0.792)	52050	20.0000	19.7142
49 2-Butanol	45	3.686	3.686	(0.774)	240357	300.000	306.502
53 Cyclohexane	56	4.104	4.104	(0.861)	613562	10.0000	10.2273
60 TAME	73	4.609	4.609	(0.967)	2765636	50.0000	45.9890
64 2-Pentanone	43	5.514	5.514	(1.157)	427965	40.0000	35.0561
65 Methyl Cyclohexane	55	5.531	5.531	(1.161)	547977	10.0000	9.94830
68 Methyl Methacrylate	100	5.740	5.740	(1.204)	66455	20.0000	18.4926
71 2-nitropropane	41	6.227	6.227	(1.307)	17959	10.0000	9.50381
72 2-Chloroethyl vinyl ether	63	6.384	6.384	(1.340)	86975	10.0000	10.8267
78 Ethyl methacrylate	69	7.636	7.636	(0.830)	430641	20.0000	21.0007
83 Tetrahydrothiophene	60	8.263	8.263	(0.898)	49956	10.0000	8.56035
96 cis-1,4-dichloro-2-butene	53	11.117	11.117	(0.841)	25129	10.0000	6.11232(Q)
102 t-1,4-Dichloro-2-butene	53	11.673	11.673	(0.883)	35690	10.0000	9.13278
114 1,2,3-Trimethylbenzene	105	13.379	13.379	(1.012)	852256	10.0000	9.29243

QC Flag Legend

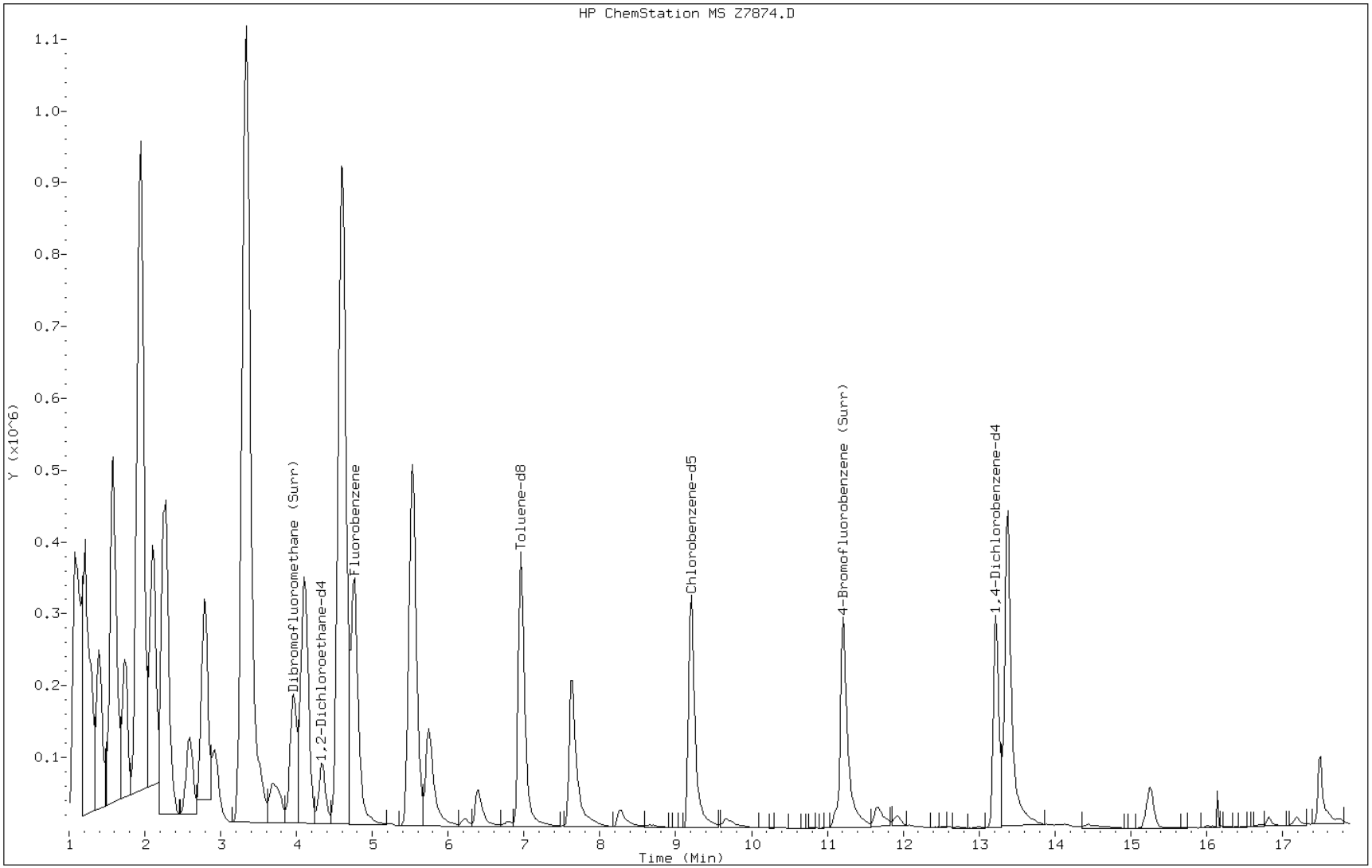
Q - Qualifier signal failed the ratio test.

Data File: Z7874.D

Date: 29-JUN-2012 06:25

Client ID: CCV Instrument: Z.i

Sample Info: CCV,,S Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Lab Sample ID: CCV 280-126144/4 Calibration Date: 06/29/2012 06:46

Instrument ID: MSV_Z Calib Start Date: 05/10/2012 09:56

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 05/10/2012 12:04

Lab File ID: Z7875.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Lin1	0.0005	0.0010		160	500	-100.0*	50.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\Z7875.D
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 29-JUN-2012 06:46
Operator : MEIERG Inst ID: Z.i
Smp Info : CCV,,M
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\8260B-H2O.m
Meth Date : 29-Jun-2012 11:05 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main-gka.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)	
*	62 Fluorobenzene	96	4.777	4.777	(1.000)	881644	12.5000		
*	86 Chlorobenzene-d5	119	9.197	9.197	(1.000)	179945	12.5000		
*	111 1,4-Dichlorobenzene-d4	152	13.199	13.199	(1.000)	300489	12.5000		(Q)
M	1 1,2-Dichloroethene (total)	96				597288	20.0000	19.5824	
M	2 Xylene (total)	106				1362145	30.0000	33.4855	
M	3 1,3-Dichloropropene (total)	75				725350	20.0000	20.0706	
M	4 Trihalomethanes (total)	83				1518192	40.0000	40.1414	
	23 1,1-Dichloroethene	96	2.080	2.080	(0.435)	263366	10.0000	9.56818	
	25 Iodomethane	142	2.184	2.184	(0.457)	559980	10.0000	9.20207	
	29 Acetonitrile	41	2.271	2.271	(0.476)	47583	100.000	99.7656	
	30 tert-Butyl alcohol	59	2.445	2.445	(0.512)	156213	200.000	166.419	
	28 Methylene Chloride	84	2.376	2.376	(0.497)	225404	10.0000	8.34752	
	31 Acrylonitrile	53	2.532	2.532	(0.530)	223517	100.000	93.9710	
	32 trans-1,2-Dichloroethene	96	2.585	2.585	(0.541)	294430	10.0000	9.56236	
	37 Isopropyl ether	87	2.985	2.985	(0.625)	914821	50.0000	45.0697	
	36 1,1-Dichloroethane	63	2.915	2.915	(0.610)	570391	10.0000	9.44574	
	38 Chloroprene	53	3.002	3.002	(0.628)	441951	10.0000	7.79438	
	42 cis-1,2-Dichloroethene	96	3.472	3.472	(0.727)	302858	10.0000	10.0200	
	45 Propionitrile	54	3.507	3.507	(0.734)	86112	100.000	101.048	
	43 2,2-Dichloropropane	77	3.489	3.489	(0.730)	494436	10.0000	9.98523	
	46 Methacrylonitrile	41	3.663	3.663	(0.767)	715088	100.000	106.332	
	47 Bromochloromethane	128	3.716	3.716	(0.778)	128086	10.0000	9.84285	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
50 Chloroform	83	3.785	3.785	(0.792)	566000	10.0000	9.86409
52 1,1,1-Trichloroethane	97	4.029	4.029	(0.843)	542436	10.0000	9.30111
58 Isobutanol	41	4.394	4.394	(0.920)	48510	200.000	208.678
54 1,1-Dichloropropene	75	4.203	4.203	(0.880)	528709	10.0000	10.4188
55 Carbon Tetrachloride	117	4.220	4.220	(0.883)	481524	10.0000	8.92111
57 1,2-Dichloroethane	62	4.429	4.429	(0.927)	220071	10.0000	8.91398
59 Benzene	78	4.429	4.429	(0.927)	926270	10.0000	10.6282
63 Trichloroethene	95	5.247	5.247	(1.098)	388147	10.0000	10.1268
66 1,2-Dichloropropane	63	5.525	5.525	(1.157)	346564	10.0000	10.7242
69 1,4-Dioxane	88	5.786	5.786	(1.211)	34180	500.000	524.709
67 Dibromomethane	93	5.682	5.682	(1.189)	166220	10.0000	9.98742
70 Bromodichloromethane	83	5.908	5.908	(1.237)	480588	10.0000	9.79388
73 cis-1,3-Dichloropropene	75	6.569	6.569	(1.375)	428668	10.0000	10.7463
76 Toluene	91	7.057	7.057	(1.477)	1036386	10.0000	10.6923
77 trans-1,3-Dichloropropene	75	7.405	7.405	(1.550)	296682	10.0000	9.32433
79 1,1,2-Trichloroethane	97	7.666	7.666	(1.605)	171525	10.0000	9.38665
81 1,3-Dichloropropane	76	7.909	7.909	(0.860)	312936	10.0000	11.3608
80 Tetrachloroethene	164	7.909	7.909	(0.860)	338019	10.0000	11.6144
84 Dibromochloromethane	129	8.275	8.275	(0.900)	300149	10.0000	10.2631
85 1,2-Dibromoethane	107	8.431	8.431	(0.917)	227807	10.0000	10.3809
88 1-Chlorohexane	91	9.284	9.284	(1.009)	540440	10.0000	12.2510
87 Chlorobenzene	112	9.249	9.249	(1.006)	687552	10.0000	10.8155
89 1,1,1,2-Tetrachloroethane	131	9.388	9.388	(1.021)	306402	10.0000	10.5150
90 Ethylbenzene	106	9.458	9.458	(1.028)	366086	10.0000	11.6587
91 m and p-Xylene	106	9.667	9.667	(1.051)	943395	20.0000	22.1569
92 o-Xylene	106	10.310	10.310	(1.121)	418750	10.0000	11.3286
93 Styrene	104	10.345	10.345	(1.125)	663059	10.0000	11.0898
94 Bromoform	173	10.606	10.606	(1.153)	171455	10.0000	10.2203
95 isopropyl benzene	105	10.972	10.972	(0.831)	1374831	10.0000	10.8778
100 1,1,2,2-Tetrachloroethane	83	11.494	11.494	(0.871)	253778	10.0000	11.2200
101 1,2,3-Trichloropropane	110	11.529	11.529	(0.873)	52721	10.0000	9.91990
99 Bromobenzene	156	11.424	11.424	(0.866)	304990	10.0000	11.4451
103 n-Propylbenzene	120	11.685	11.685	(0.885)	341306	10.0000	11.1590
104 2-Chlorotoluene	126	11.772	11.772	(0.892)	268731	10.0000	10.5464(Q)
106 1,3,5-Trimethylbenzene	105	12.016	12.016	(0.910)	1013715	10.0000	10.7465
105 4-Chlorotoluene	126	11.981	11.981	(0.908)	291835	10.0000	10.8791
107 tert-Butylbenzene	119	12.555	12.555	(0.951)	1105039	10.0000	10.3967
108 1,2,4-Trimethylbenzene	105	12.660	12.660	(0.959)	971795	10.0000	10.6817
109 sec-Butylbenzene	134	12.955	12.955	(0.982)	290407	10.0000	10.8708
112 4-Isopropyltoluene	119	13.251	13.251	(1.004)	1220312	10.0000	10.3402
110 1,3-Dichlorobenzene	146	13.077	13.077	(0.991)	501289	10.0000	10.5732
113 1,4-dichlorobenzene	146	13.251	13.251	(1.004)	607403	10.0000	10.6304
116 n-Butylbenzene	91	13.965	13.965	(1.058)	1299091	10.0000	11.6150
115 1,2-Dichlorobenzene	146	13.878	13.878	(1.051)	440646	10.0000	10.4846
117 1,2-Dibromo-3-chloropropane	157	15.322	15.322	(1.161)	38720	10.0000	9.82182(Q)
118 1,2,4-Trichlorobenzene	180	16.575	16.575	(1.256)	344534	10.0000	10.0759
119 Hexachlorobutadiene	225	16.801	16.801	(1.273)	320635	10.0000	10.0825
120 Naphthalene	128	16.836	16.836	(1.276)	342311	10.0000	10.0493
121 1,2,3-Trichlorobenzene	180	17.097	17.097	(1.295)	257755	10.0000	9.95012

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: Z7875.D

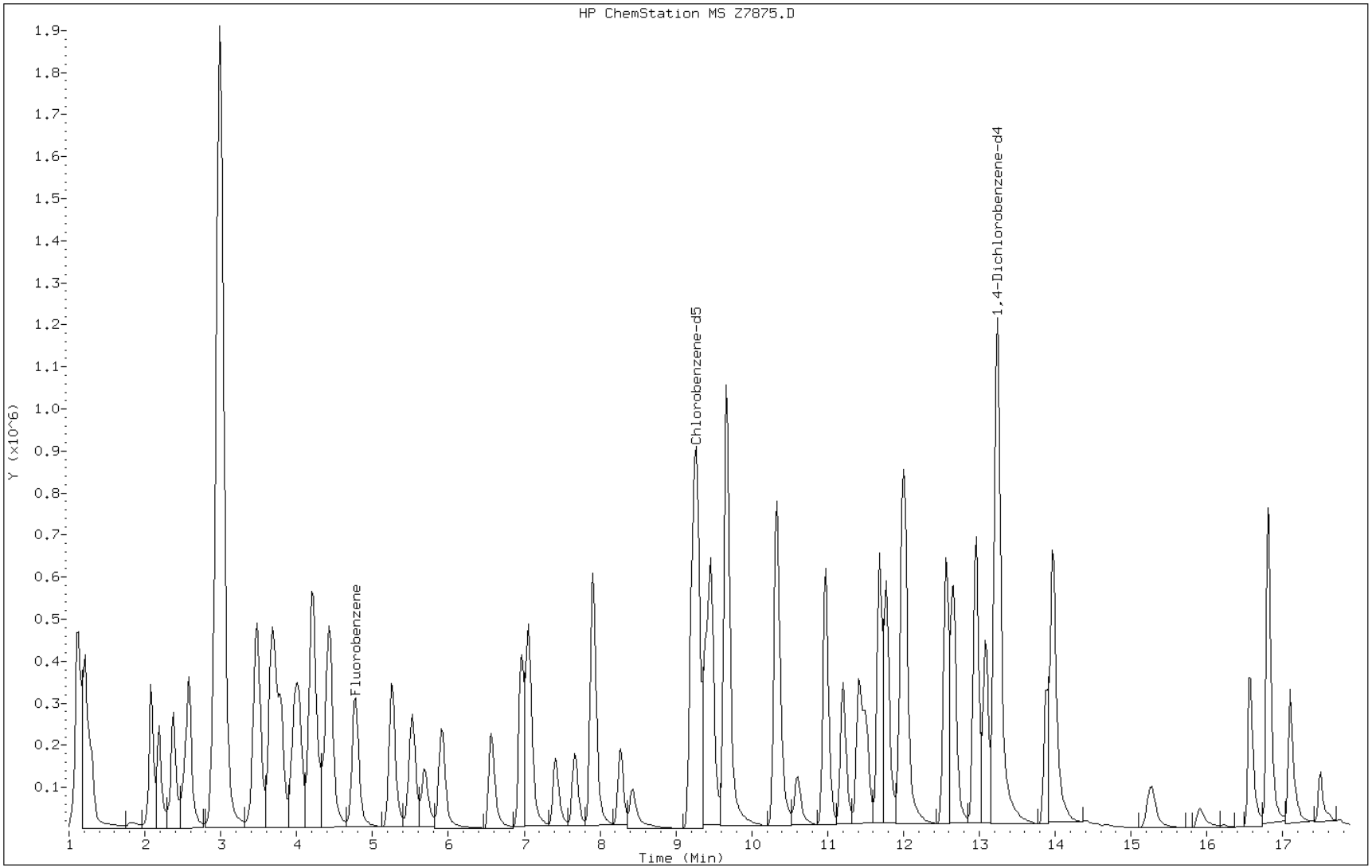
Date: 29-JUN-2012 06:46

Client ID: CCV

Instrument: Z.i

Sample Info: CCV,,M

Operator: MEIERG



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Lab Sample ID: CCV 280-126144/4 Calibration Date: 06/29/2012 06:46

Instrument ID: MSV_Z Calib Start Date: 06/11/2012 13:29

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 06/11/2012 15:37

Lab File ID: Z7875.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.4366	0.4234		19.6	20.0	-3.0	20.0
Xylenes, Total	Ave	2.854	3.154		33.5	30.0	10.5	35.0
1,1-Dichloroethene	Ave	0.3903	0.3734		9.57	10.0	-4.3	20.0
Iodomethane	Ave	0.8628	0.7939		9.20	10.0	-8.0	35.0
Acetonitrile	Ave	0.0068	0.0068		99.8	100	-0.2	50.0
Methylene Chloride	Ave	0.3828	0.3196		8.35	10.0	-16.5	20.0
2-Methyl-2-propanol	Ave	0.0133	0.0111		166	200	-16.8	50.0
Acrylonitrile	Ave	0.0337	0.0317		94.0	100	-6.0	50.0
trans-1,2-Dichloroethene	Ave	0.4365	0.4174		9.56	10.0	-4.4	20.0
1,1-Dichloroethane	Ave	0.8562	0.8087	0.1000	9.45	10.0	-5.5	20.0
Isopropyl ether	Ave	0.2878	0.2594		45.1	50.0	-9.9	35.0
2-Chloro-1,3-butadiene	Ave	0.8039	0.6266		7.79	10.0	-22.1	35.0
cis-1,2-Dichloroethene	Ave	0.4285	0.4294		10.0	10.0	0.2	20.0
2,2-Dichloropropane	Ave	0.7021	0.7010		9.99	10.0	-0.1	20.0
Propionitrile	Ave	0.0121	0.0122		101	100	1.0	50.0
Methacrylonitrile	Ave	0.0953	0.1014		106	100	6.3	50.0
Chlorobromomethane	Ave	0.1845	0.1816		9.84	10.0	-1.6	20.0
Chloroform	Ave	0.8135	0.8025		9.86	10.0	-1.4	20.0
1,1,1-Trichloroethane	Ave	0.8269	0.7691		9.30	10.0	-7.0	20.0
1,1-Dichloropropene	Ave	0.7195	0.7496		10.4	10.0	4.2	20.0
Carbon tetrachloride	Ave	0.7653	0.6827		8.92	10.0	-10.8	20.0
Isobutyl alcohol	Lin2	0.0030	0.0034		209	200	4.3	50.0
1,2-Dichloroethane	Ave	0.3500	0.3120		8.91	10.0	-10.9	20.0
Benzene	Ave	1.236	1.313		10.6	10.0	6.3	20.0
Trichloroethene	Ave	0.5434	0.5503		10.1	10.0	1.3	20.0
1,2-Dichloropropane	Ave	0.4582	0.4914		10.7	10.0	7.2	20.0
Dibromomethane	Ave	0.2360	0.2357		9.99	10.0	-0.1	20.0
1,4-Dioxane	Lin1	0.0008	0.0010		525	500	4.9	50.0
Dichlorobromomethane	Ave	0.6957	0.6814		9.79	10.0	-2.1	20.0
cis-1,3-Dichloropropene	Ave	0.5656	0.6078		10.7	10.0	7.5	20.0
Toluene	Ave	1.374	1.469		10.7	10.0	6.9	20.0
trans-1,3-Dichloropropene	Lin2	0.4150	0.4206		9.32	10.0	-6.8	20.0
1,1,2-Trichloroethane	Ave	0.2591	0.2432		9.39	10.0	-6.1	20.0
1,3-Dichloropropane	Ave	1.913	2.174		11.4	10.0	13.6	20.0
Tetrachloroethene	Ave	2.022	2.348		11.6	10.0	16.1	20.0
Chlorodibromomethane	Ave	2.032	2.085		10.3	10.0	2.6	20.0
Ethylene Dibromide	Ave	1.524	1.582		10.4	10.0	3.8	20.0
Chlorobenzene	Ave	4.416	4.776	0.3000	10.8	10.0	8.2	20.0
1-Chlorohexane	Ave	3.064	3.759		12.3	9.99	22.7	35.0
1,1,1,2-Tetrachloroethane	Ave	2.024	2.128		10.5	10.0	5.1	20.0
Ethylbenzene	Ave	2.181	2.543		11.7	10.0	16.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Lab Sample ID: CCV 280-126144/4 Calibration Date: 06/29/2012 06:46

Instrument ID: MSV_Z Calib Start Date: 06/11/2012 13:29

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 06/11/2012 15:37

Lab File ID: Z7875.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
m-Xylene & p-Xylene	Ave	2.958	3.277		22.2	20.0	10.8	20.0
o-Xylene	Ave	2.568	2.909		11.3	10.0	13.3	20.0
Styrene	Ave	4.153	4.606		11.1	10.0	10.9	20.0
Bromoform	Ave	1.165	1.191	0.1000	10.2	10.0	2.2	20.0
Isopropylbenzene	Ave	5.258	5.719		10.9	10.0	8.8	20.0
Bromobenzene	Ave	1.109	1.269		11.4	10.0	14.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9409	1.056	0.3000	11.2	10.0	12.2	20.0
1,2,3-Trichloropropane	Ave	0.2211	0.2193		9.92	10.0	-0.8	20.0
N-Propylbenzene	Ave	1.272	1.420		11.2	10.0	11.6	20.0
2-Chlorotoluene	Ave	1.060	1.118		10.5	10.0	5.5	20.0
4-Chlorotoluene	Ave	1.116	1.214		10.9	10.0	8.8	20.0
1,3,5-Trimethylbenzene	Ave	3.924	4.217		10.7	10.0	7.5	20.0
tert-Butylbenzene	Ave	4.421	4.597		10.4	10.0	4.0	20.0
1,2,4-Trimethylbenzene	Ave	3.785	4.043		10.7	10.0	6.8	20.0
sec-Butylbenzene	Ave	1.111	1.208		10.9	10.0	8.7	20.0
1,3-Dichlorobenzene	Ave	1.972	2.085		10.6	10.0	5.7	20.0
1,4-Dichlorobenzene	Ave	2.377	2.527		10.6	10.0	6.3	20.0
4-Isopropyltoluene	Ave	4.909	5.076		10.3	10.0	3.4	20.0
1,2-Dichlorobenzene	Ave	1.748	1.833		10.5	10.0	4.8	20.0
n-Butylbenzene	Ave	4.653	5.404		11.6	10.0	16.2	20.0
1,2-Dibromo-3-Chloropropane	Lin2	0.1546	0.1611		9.82	10.0	-1.8	20.0
1,2,4-Trichlorobenzene	Ave	1.422	1.433		10.1	10.0	0.8	20.0
Hexachlorobutadiene	Lin2	1.283	1.334		10.1	10.0	0.8	20.0
Naphthalene	Ave	1.417	1.424		10.0	10.0	0.5	20.0
1,2,3-Trichlorobenzene	Ave	1.078	1.072		9.95	10.0	-0.5	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\Z7875.D
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 29-JUN-2012 06:46
Operator : MEIERG Inst ID: Z.i
Smp Info : CCV,,M
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\8260B-H2O.m
Meth Date : 29-Jun-2012 11:05 Z.i Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main-gka.sub
Target Version: 4.14
Processing Host: DENPC186

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)	
*	62 Fluorobenzene	96	4.777	4.777	(1.000)	881644	12.5000		
*	86 Chlorobenzene-d5	119	9.197	9.197	(1.000)	179945	12.5000		
*	111 1,4-Dichlorobenzene-d4	152	13.199	13.199	(1.000)	300489	12.5000		(Q)
M	1 1,2-Dichloroethene (total)	96				597288	20.0000	19.5824	
M	2 Xylene (total)	106				1362145	30.0000	33.4855	
M	3 1,3-Dichloropropene (total)	75				725350	20.0000	20.0706	
M	4 Trihalomethanes (total)	83				1518192	40.0000	40.1414	
	23 1,1-Dichloroethene	96	2.080	2.080	(0.435)	263366	10.0000	9.56818	
	25 Iodomethane	142	2.184	2.184	(0.457)	559980	10.0000	9.20207	
	29 Acetonitrile	41	2.271	2.271	(0.476)	47583	100.000	99.7656	
	30 tert-Butyl alcohol	59	2.445	2.445	(0.512)	156213	200.000	166.419	
	28 Methylene Chloride	84	2.376	2.376	(0.497)	225404	10.0000	8.34752	
	31 Acrylonitrile	53	2.532	2.532	(0.530)	223517	100.000	93.9710	
	32 trans-1,2-Dichloroethene	96	2.585	2.585	(0.541)	294430	10.0000	9.56236	
	37 Isopropyl ether	87	2.985	2.985	(0.625)	914821	50.0000	45.0697	
	36 1,1-Dichloroethane	63	2.915	2.915	(0.610)	570391	10.0000	9.44574	
	38 Chloroprene	53	3.002	3.002	(0.628)	441951	10.0000	7.79438	
	42 cis-1,2-Dichloroethene	96	3.472	3.472	(0.727)	302858	10.0000	10.0200	
	45 Propionitrile	54	3.507	3.507	(0.734)	86112	100.000	101.048	
	43 2,2-Dichloropropane	77	3.489	3.489	(0.730)	494436	10.0000	9.98523	
	46 Methacrylonitrile	41	3.663	3.663	(0.767)	715088	100.000	106.332	
	47 Bromochloromethane	128	3.716	3.716	(0.778)	128086	10.0000	9.84285	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
50 Chloroform	83	3.785	3.785	(0.792)	566000	10.0000	9.86409
52 1,1,1-Trichloroethane	97	4.029	4.029	(0.843)	542436	10.0000	9.30111
58 Isobutanol	41	4.394	4.394	(0.920)	48510	200.000	208.678
54 1,1-Dichloropropene	75	4.203	4.203	(0.880)	528709	10.0000	10.4188
55 Carbon Tetrachloride	117	4.220	4.220	(0.883)	481524	10.0000	8.92111
57 1,2-Dichloroethane	62	4.429	4.429	(0.927)	220071	10.0000	8.91398
59 Benzene	78	4.429	4.429	(0.927)	926270	10.0000	10.6282
63 Trichloroethene	95	5.247	5.247	(1.098)	388147	10.0000	10.1268
66 1,2-Dichloropropane	63	5.525	5.525	(1.157)	346564	10.0000	10.7242
69 1,4-Dioxane	88	5.786	5.786	(1.211)	34180	500.000	524.709
67 Dibromomethane	93	5.682	5.682	(1.189)	166220	10.0000	9.98742
70 Bromodichloromethane	83	5.908	5.908	(1.237)	480588	10.0000	9.79388
73 cis-1,3-Dichloropropene	75	6.569	6.569	(1.375)	428668	10.0000	10.7463
76 Toluene	91	7.057	7.057	(1.477)	1036386	10.0000	10.6923
77 trans-1,3-Dichloropropene	75	7.405	7.405	(1.550)	296682	10.0000	9.32433
79 1,1,2-Trichloroethane	97	7.666	7.666	(1.605)	171525	10.0000	9.38665
81 1,3-Dichloropropane	76	7.909	7.909	(0.860)	312936	10.0000	11.3608
80 Tetrachloroethene	164	7.909	7.909	(0.860)	338019	10.0000	11.6144
84 Dibromochloromethane	129	8.275	8.275	(0.900)	300149	10.0000	10.2631
85 1,2-Dibromoethane	107	8.431	8.431	(0.917)	227807	10.0000	10.3809
88 1-Chlorohexane	91	9.284	9.284	(1.009)	540440	10.0000	12.2510
87 Chlorobenzene	112	9.249	9.249	(1.006)	687552	10.0000	10.8155
89 1,1,1,2-Tetrachloroethane	131	9.388	9.388	(1.021)	306402	10.0000	10.5150
90 Ethylbenzene	106	9.458	9.458	(1.028)	366086	10.0000	11.6587
91 m and p-Xylene	106	9.667	9.667	(1.051)	943395	20.0000	22.1569
92 o-Xylene	106	10.310	10.310	(1.121)	418750	10.0000	11.3286
93 Styrene	104	10.345	10.345	(1.125)	663059	10.0000	11.0898
94 Bromoform	173	10.606	10.606	(1.153)	171455	10.0000	10.2203
95 isopropyl benzene	105	10.972	10.972	(0.831)	1374831	10.0000	10.8778
100 1,1,2,2-Tetrachloroethane	83	11.494	11.494	(0.871)	253778	10.0000	11.2200
101 1,2,3-Trichloropropane	110	11.529	11.529	(0.873)	52721	10.0000	9.91990
99 Bromobenzene	156	11.424	11.424	(0.866)	304990	10.0000	11.4451
103 n-Propylbenzene	120	11.685	11.685	(0.885)	341306	10.0000	11.1590
104 2-Chlorotoluene	126	11.772	11.772	(0.892)	268731	10.0000	10.5464(Q)
106 1,3,5-Trimethylbenzene	105	12.016	12.016	(0.910)	1013715	10.0000	10.7465
105 4-Chlorotoluene	126	11.981	11.981	(0.908)	291835	10.0000	10.8791
107 tert-Butylbenzene	119	12.555	12.555	(0.951)	1105039	10.0000	10.3967
108 1,2,4-Trimethylbenzene	105	12.660	12.660	(0.959)	971795	10.0000	10.6817
109 sec-Butylbenzene	134	12.955	12.955	(0.982)	290407	10.0000	10.8708
112 4-Isopropyltoluene	119	13.251	13.251	(1.004)	1220312	10.0000	10.3402
110 1,3-Dichlorobenzene	146	13.077	13.077	(0.991)	501289	10.0000	10.5732
113 1,4-dichlorobenzene	146	13.251	13.251	(1.004)	607403	10.0000	10.6304
116 n-Butylbenzene	91	13.965	13.965	(1.058)	1299091	10.0000	11.6150
115 1,2-Dichlorobenzene	146	13.878	13.878	(1.051)	440646	10.0000	10.4846
117 1,2-Dibromo-3-chloropropane	157	15.322	15.322	(1.161)	38720	10.0000	9.82182(Q)
118 1,2,4-Trichlorobenzene	180	16.575	16.575	(1.256)	344534	10.0000	10.0759
119 Hexachlorobutadiene	225	16.801	16.801	(1.273)	320635	10.0000	10.0825
120 Naphthalene	128	16.836	16.836	(1.276)	342311	10.0000	10.0493
121 1,2,3-Trichlorobenzene	180	17.097	17.097	(1.295)	257755	10.0000	9.95012

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: Z7875.D

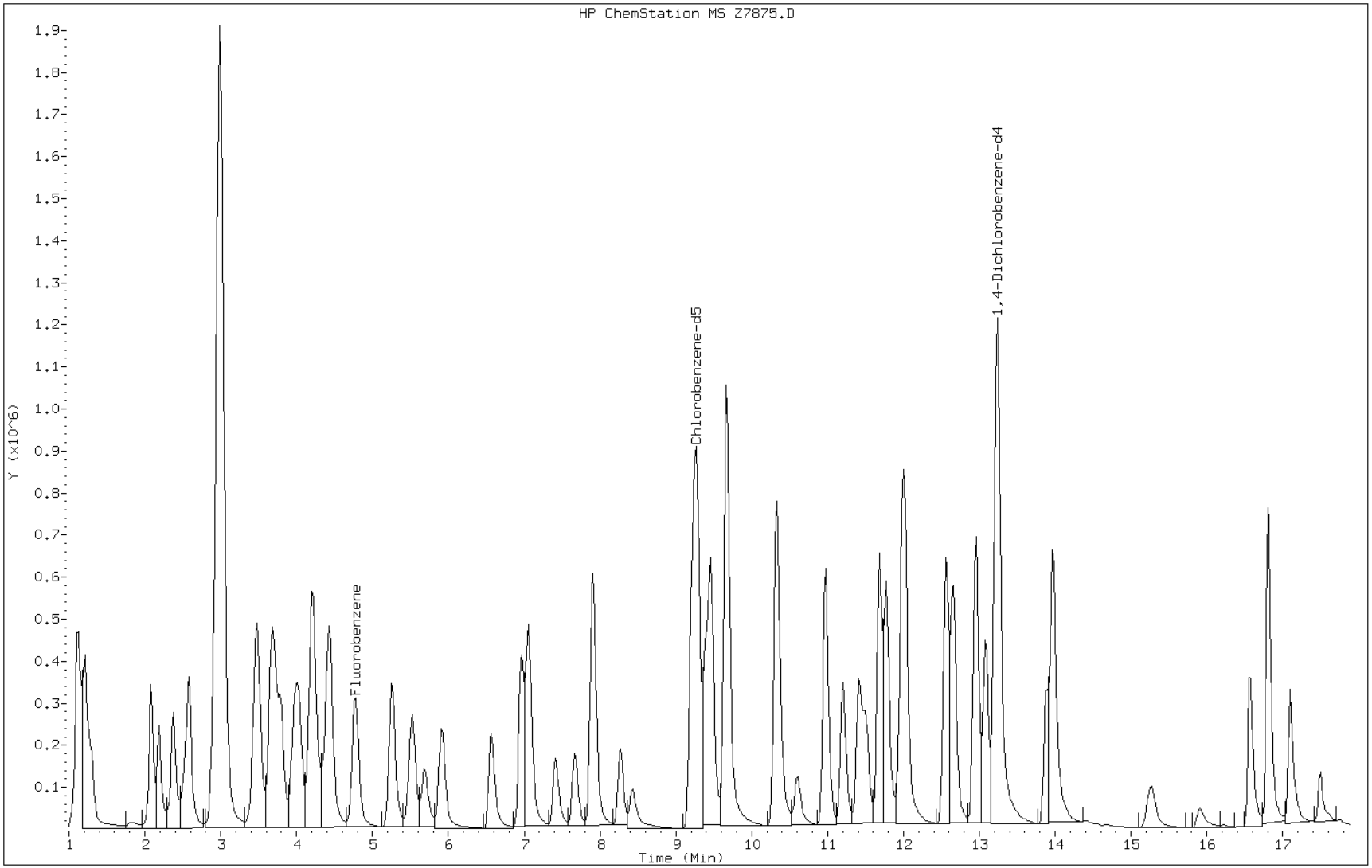
Date: 29-JUN-2012 06:46

Client ID: CCV

Instrument: Z.i

Sample Info: CCV,,M

Operator: MEIERG



TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\Z7127.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 11-JUN-2012 10:51
Operator : MEIERG Inst ID: Z.i
Smp Info : BFB,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\bfb390.m
Meth Date : 13-May-2011 06:15 meierg Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC186

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
1.786	1.903	(0.000)	95	16199			0.00- 100.00	100.00
1.786	1.903	(0.000)	50	3884			15.00- 40.00	23.98
1.786	1.903	(0.000)	75	7856			30.00- 60.00	48.50
1.786	1.903	(0.000)	96	1290			5.00- 9.00	7.96
1.786	1.903	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
1.786	1.903	(0.000)	174	9970			50.00- 0.00	61.55
1.786	1.903	(0.000)	175	737			5.00- 9.00	7.39
1.786	1.903	(0.000)	176	9794			95.00- 101.00	98.23
1.786	1.903	(0.000)	177	672			5.00- 9.00	6.86

Data File: Z7127.D

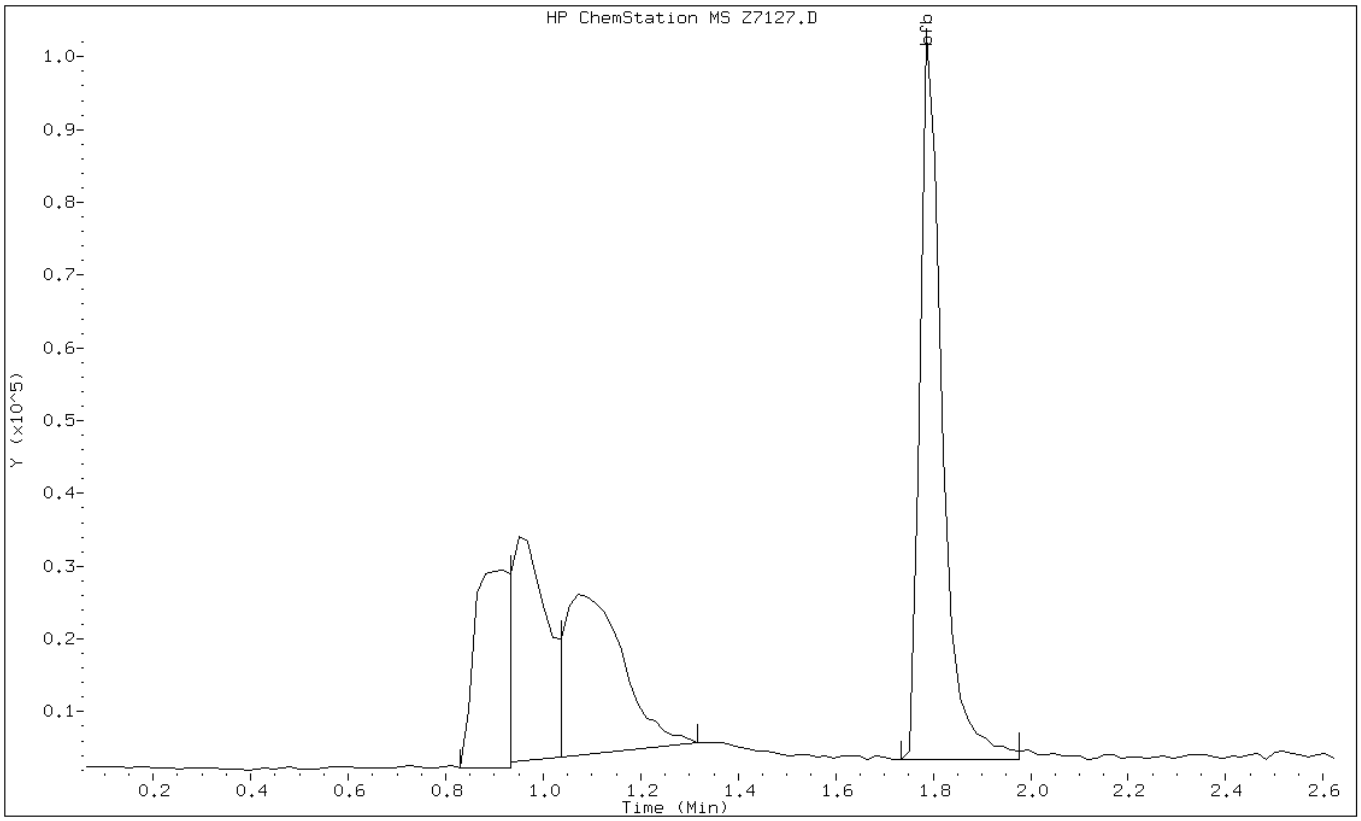
Date: 11-JUN-2012 10:51

Client ID: BFB

Instrument: Z.i

Sample Info: BFB,,

Operator: MEIERG



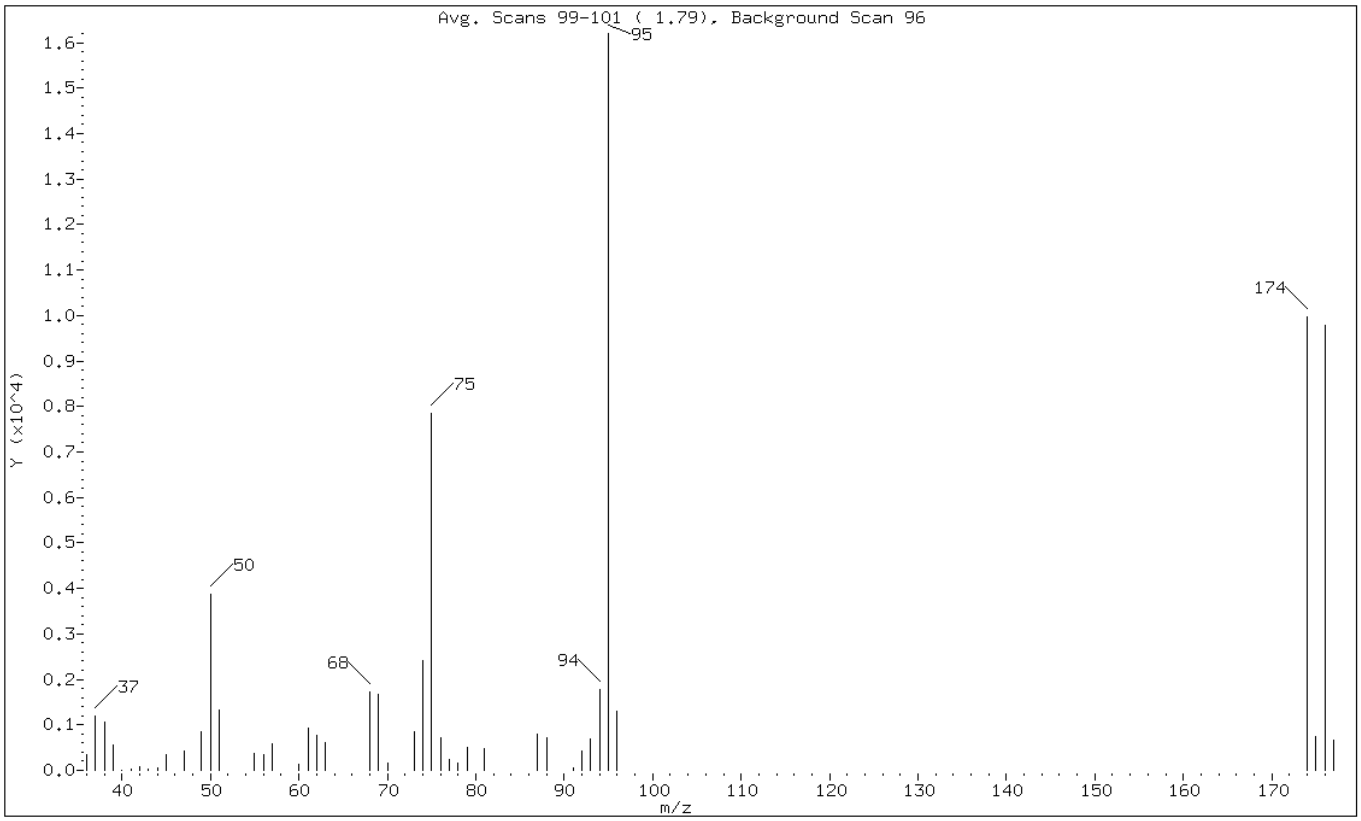
Data File: Z7127.D

Date: 11-JUN-2012 10:51

Client ID: BFB Instrument: Z.i

Sample Info: BFB,, Operator: MEIERG

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.98
75	30.00 - 60.00% of mass 95	48.50
96	5.00 - 9.00% of mass 95	7.96
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	61.55
175	5.00 - 9.00% of mass 174	4.55 (7.39)
176	95.00 - 101.00% of mass 174	60.46 (98.23)
177	5.00 - 9.00% of mass 176	4.15 (6.86)

Data File: Z7127.D

Date: 11-JUN-2012 10:51

Client ID: BFB Instrument: Z.i

Sample Info: BFB,, Operator: MEIERG

Data File: \\DenSvr03\Public\chem\MSV\Z.i\061112I.B\Z7127.D
Spectrum: Avg. Scans 99-101 (1.79), Background Scan 96
Location of Maximum: 95.00
Number of points: 44

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	332	50.00	3884	73.00	837	93.00	677
37.00	1197	51.00	1314	74.00	2422	94.00	1767
38.00	1055	55.00	359	75.00	7856	95.00	16199
39.00	552	56.00	357	76.00	704	96.00	1290
40.00	10	57.00	571	77.00	230	174.00	9970
41.00	24	60.00	145	78.00	161	175.00	737
42.00	67	61.00	923	79.00	512	176.00	9794
43.00	29	62.00	782	81.00	489	177.00	672
44.00	51	63.00	601	87.00	787		
45.00	354	68.00	1717	88.00	715		
47.00	422	69.00	1660	91.00	65		
49.00	851	70.00	163	92.00	430		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\Z.i\061112MA.B\Z7145.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 11-JUN-2012 23:51
Operator : TINKHAMS Inst ID: Z.i
Smp Info : BFB,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\061112MA.B\bfb390.m
Meth Date : 13-May-2011 06:15 meierg Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC088

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
1.786	1.903	(0.000)	95	18984			0.00- 100.00	100.00
1.786	1.903	(0.000)	50	4476			15.00- 40.00	23.58
1.786	1.903	(0.000)	75	9093			30.00- 60.00	47.90
1.786	1.903	(0.000)	96	1505			5.00- 9.00	7.93
1.786	1.903	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
1.786	1.903	(0.000)	174	11791			50.00- 0.00	62.11
1.786	1.903	(0.000)	175	881			5.00- 9.00	7.47
1.786	1.903	(0.000)	176	11514			95.00- 101.00	97.65
1.786	1.903	(0.000)	177	808			5.00- 9.00	7.02

Data File: Z7145.D

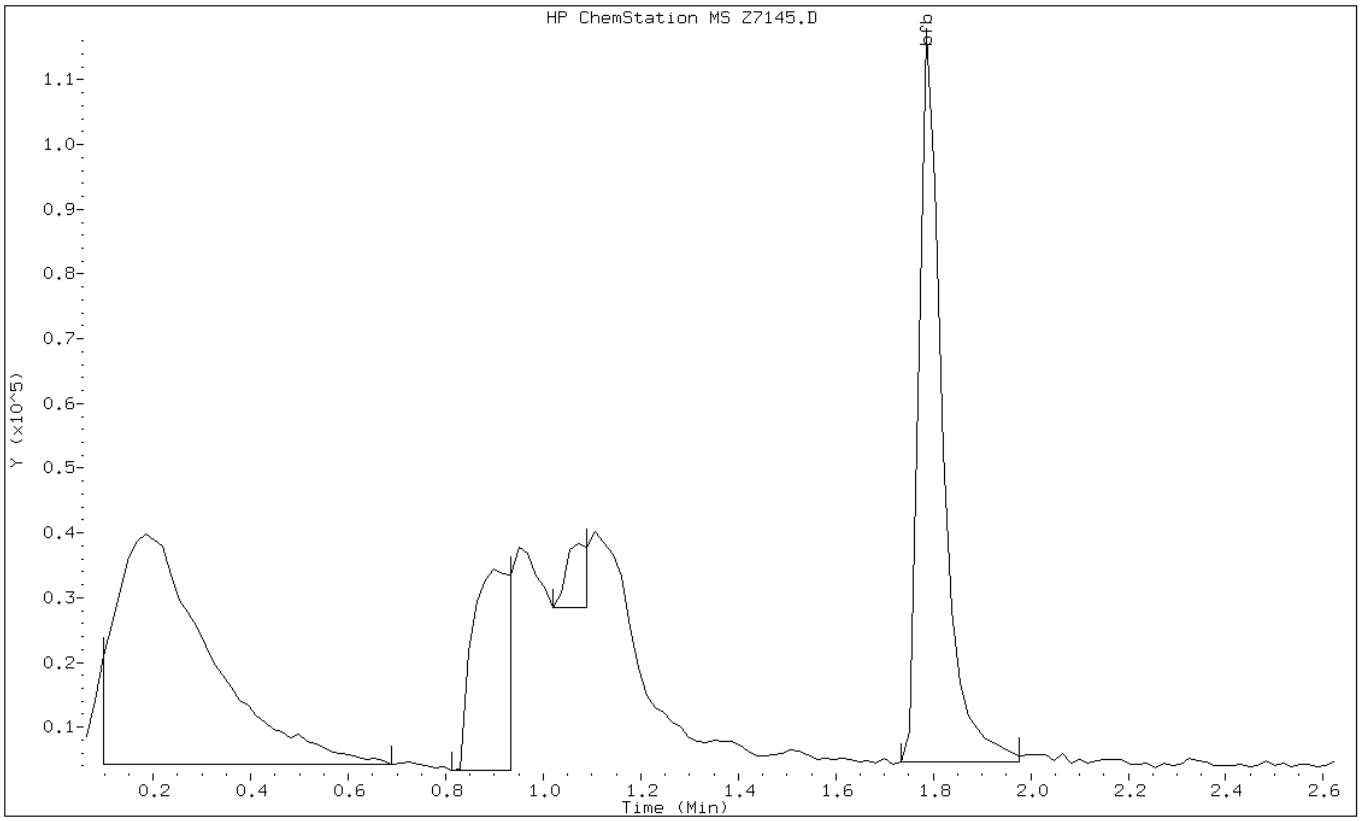
Date: 11-JUN-2012 23:51

Client ID: BFB

Instrument: Z.i

Sample Info: BFB,,

Operator: TINKHAMS



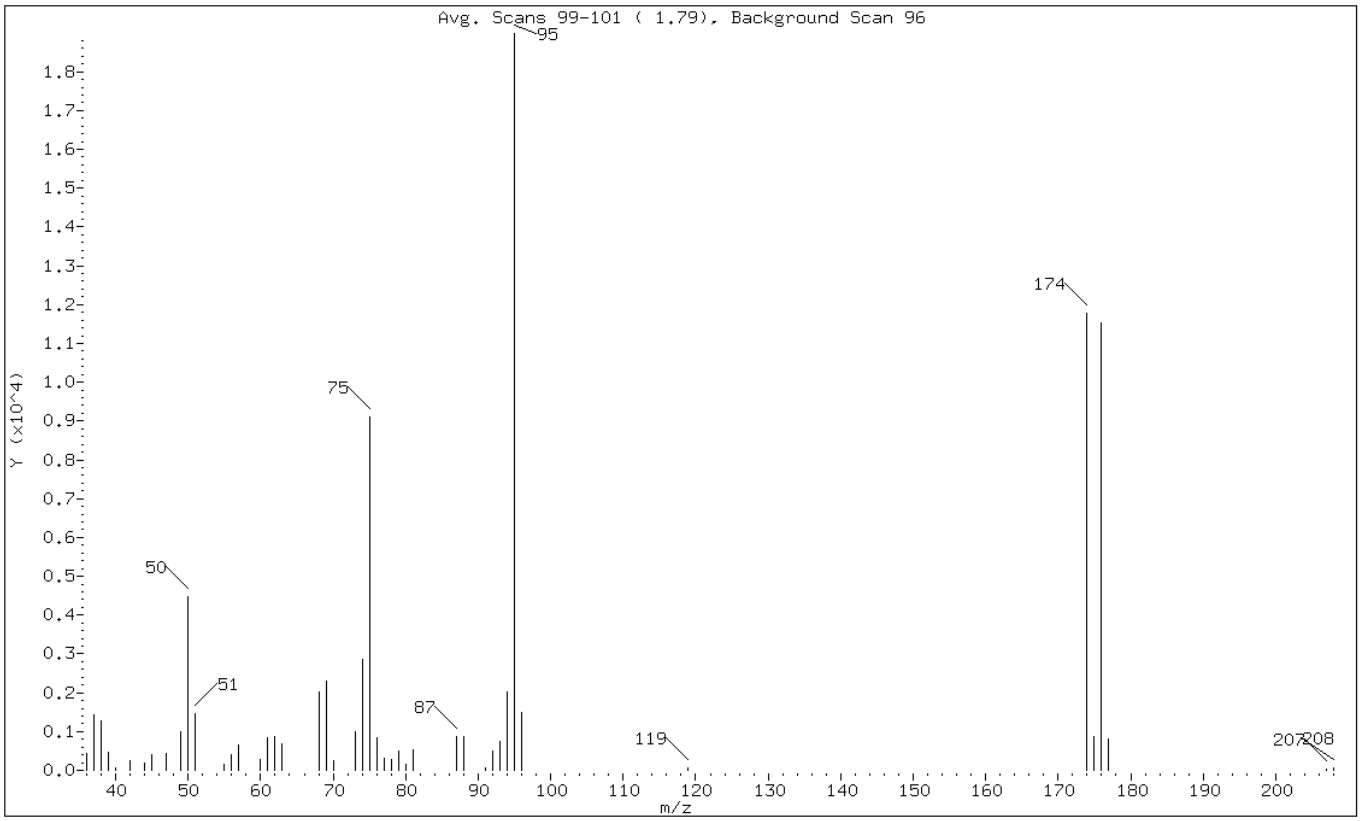
Data File: Z7145.D

Date: 11-JUN-2012 23:51

Client ID: BFB Instrument: Z.i

Sample Info: BFB,, Operator: TINKHAMS

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.58
75	30.00 - 60.00% of mass 95	47.90
96	5.00 - 9.00% of mass 95	7.93
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	62.11
175	5.00 - 9.00% of mass 174	4.64 (7.47)
176	95.00 - 101.00% of mass 174	60.65 (97.65)
177	5.00 - 9.00% of mass 176	4.26 (7.02)

Data File: Z7145.D

Date: 11-JUN-2012 23:51

Client ID: BFB Instrument: Z.i

Sample Info: BFB,, Operator: TINKHAMS

Data File: \\DenSvr03\Public\chem\MSV\Z.i\061112MA.B\Z7145.D
Spectrum: Avg. Scans 99-101 (1.79), Background Scan 96
Location of Maximum: 95.00
Number of points: 46

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	442	55.00	141	75.00	9093	94.00	2030
37.00	1444	56.00	416	76.00	825	95.00	18984
38.00	1272	57.00	667	77.00	305	96.00	1505
39.00	467	60.00	273	78.00	268	119.00	70
40.00	68	61.00	838	79.00	502	174.00	11791
42.00	249	62.00	867	80.00	145	175.00	881
44.00	186	63.00	693	81.00	536	176.00	11514
45.00	397	68.00	2021	87.00	874	177.00	808
47.00	437	69.00	2302	88.00	862	207.00	20
49.00	991	70.00	246	91.00	50	208.00	75
50.00	4476	73.00	993	92.00	496		
51.00	1452	74.00	2872	93.00	753		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\Z7872.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 29-JUN-2012 05:57
Operator : MEIERG Inst ID: Z.i
Smp Info : BFB,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\bfb390.m
Meth Date : 13-May-2011 06:15 meierg Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC186

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
1.801	1.903	(0.000)	95	45168			0.00- 100.00	100.00
1.801	1.903	(0.000)	50	9807			15.00- 40.00	21.71
1.801	1.903	(0.000)	75	20272			30.00- 60.00	44.88
1.801	1.903	(0.000)	96	3135			5.00- 9.00	6.94
1.801	1.903	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
1.801	1.903	(0.000)	174	30896			50.00- 0.00	68.40
1.801	1.903	(0.000)	175	2243			5.00- 9.00	7.26
1.801	1.903	(0.000)	176	30216			95.00- 101.00	97.80
1.801	1.903	(0.000)	177	2002			5.00- 9.00	6.63

Data File: Z7872.D

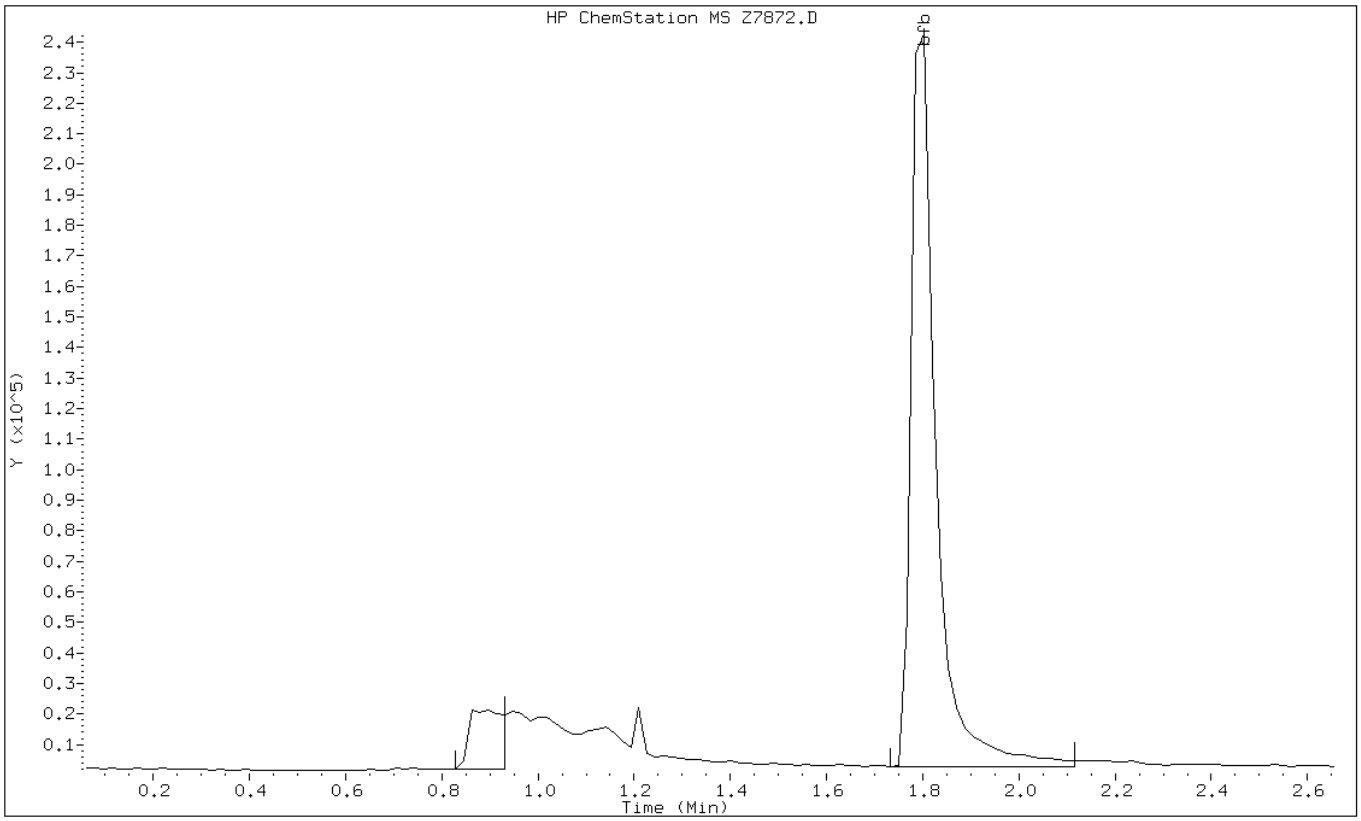
Date: 29-JUN-2012 05:57

Client ID: BFB

Instrument: Z.i

Sample Info: BFB,,

Operator: MEIERG



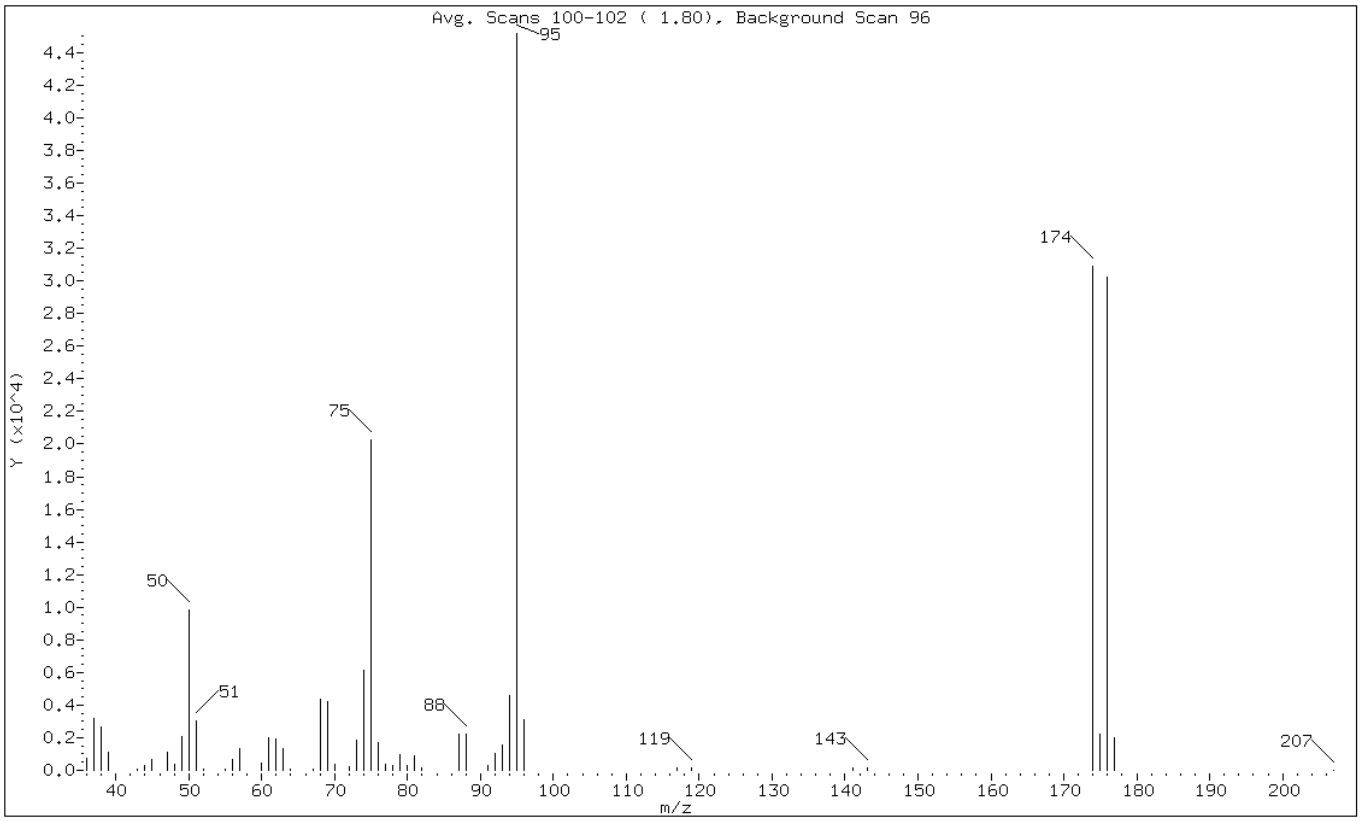
Data File: Z7872.D

Date: 29-JUN-2012 05:57

Client ID: BFB Instrument: Z.i

Sample Info: BFB,, Operator: MEIERG

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.71
75	30.00 - 60.00% of mass 95	44.88
96	5.00 - 9.00% of mass 95	6.94
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	68.40
175	5.00 - 9.00% of mass 174	4.97 (7.26)
176	95.00 - 101.00% of mass 174	66.90 (97.80)
177	5.00 - 9.00% of mass 176	4.43 (6.63)

Data File: Z7872.D

Date: 29-JUN-2012 05:57

Client ID: BFB Instrument: Z.i

Sample Info: BFB,, Operator: MEIERG

Data File: \\DenSvr03\Public\chem\MSV\Z.i\062912.B\Z7872.D
Spectrum: Avg. Scans 100-102 (1.80), Background Scan 96
Location of Maximum: 95.00
Number of points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	764	56.00	701	75.00	20272	95.00	45168
37.00	3189	57.00	1300	76.00	1736	96.00	3135
38.00	2682	60.00	427	77.00	376	117.00	152
39.00	1117	61.00	1970	78.00	305	119.00	162
43.00	52	62.00	1887	79.00	948	141.00	166
44.00	327	63.00	1304	80.00	291	143.00	173
45.00	658	64.00	72	81.00	923	174.00	30896
47.00	1142	67.00	67	82.00	160	175.00	2243
48.00	349	68.00	4365	87.00	2194	176.00	30216
49.00	2051	69.00	4238	88.00	2211	177.00	2002
50.00	9807	70.00	380	91.00	332	207.00	27
51.00	3036	72.00	212	92.00	1032		
52.00	66	73.00	1872	93.00	1563		
55.00	86	74.00	6141	94.00	4578		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-126144/7

Matrix: Water | Lab File ID: Z7878.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 07:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-126144/7

Matrix: Water | Lab File ID: Z7878.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 07:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.431	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-126144/7

Matrix: Water Lab File ID: Z7878.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 06/29/2012 07:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126144 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	80		70-120
460-00-4	4-Bromofluorobenzene (Surr)	89		75-120
1868-53-7	Dibromofluoromethane (Surr)	86		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\Z7878.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 29-JUN-2012 07:50
Operator : MEIERG Inst ID: Z.i
Smp Info : MB,,AF
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\8260B-H2O.m
Meth Date : 12-Jun-2012 06:45 meierg Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC232

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
*	62 Fluorobenzene	96	4.777	4.767	(1.000)	930716	12.5000		
*	86 Chlorobenzene-d5	119	9.214	9.204	(1.000)	203575	12.5000		
*	111 1,4-Dichlorobenzene-d4	152	13.234	13.207	(1.000)	302999	12.5000		(Q)
$	51 Dibromofluoromethane (Surr)	111	3.959	3.947	(0.829)	396988	7.72705	7.72705	
$	56 1,2-Dichloroethane-d4	65	4.342	4.330	(0.909)	175432	7.21989	7.21989	
$	75 Toluene-d8	98	6.969	6.958	(0.756)	842003	8.27214	8.27214	
$	98 4-Bromofluorobenzene (Surr)	95	11.215	11.186	(0.847)	439055	8.05137	8.05137	
M	1 1,2-Dichloroethene (total)	96	Compound Not Detected.						
M	2 Xylene (total)	106	Compound Not Detected.						
	6 dichlorodifluoromethane	85	Compound Not Detected.						
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.						
	7 Chloromethane	50	Compound Not Detected.						
	9 Vinyl Chloride	62	Compound Not Detected.						
	11 Ethylene Oxide	43	Compound Not Detected.						
	12 Bromomethane	94	Compound Not Detected.						
	13 Chloroethane	64	Compound Not Detected.						
	14 Dichlorofluoromethane	67	Compound Not Detected.						
	16 Trichlorofluoromethane	101	Compound Not Detected.						
	17 Ethyl Ether	59	Compound Not Detected.						
	19 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.						
	20 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.						
	21 Acrolein	56	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
23 1,1-Dichloroethene	96	Compound Not Detected.					
24 Trichlorotrifluoroethane	151	Compound Not Detected.					
22 Acetone	43	Compound Not Detected.					
25 Iodomethane	142	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	Compound Not Detected.					
39 Allyl Chloride	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
28 Methylene Chloride	84	2.358	2.366	(0.494)	12300	0.43150	0.431496(a)
30 tert-Butyl alcohol	59	Compound Not Detected.					
31 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	Compound Not Detected.					
32 trans-1,2-Dichloroethene	96	Compound Not Detected.					
34 Hexane	57	Compound Not Detected.					
36 1,1-Dichloroethane	63	Compound Not Detected.					
35 Vinyl Acetate	43	Compound Not Detected.					
37 Isopropyl ether	87	Compound Not Detected.					
38 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
42 cis-1,2-Dichloroethene	96	Compound Not Detected.					
43 2,2-Dichloropropane	77	Compound Not Detected.					
41 2-Butanone	43	Compound Not Detected.					
44 Ethyl Acetate	43	Compound Not Detected.					
49 2-Butanol	45	Compound Not Detected.					
46 Methacrylonitrile	41	Compound Not Detected.					
47 Bromochloromethane	128	Compound Not Detected.					
48 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
52 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	Compound Not Detected.					
55 Carbon Tetrachloride	117	Compound Not Detected.					
59 Benzene	78	Compound Not Detected.					
57 1,2-Dichloroethane	62	Compound Not Detected.					
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	Compound Not Detected.					
64 2-Pentanone	43	Compound Not Detected.					
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	Compound Not Detected.					
67 Dibromomethane	93	Compound Not Detected.					
68 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
73 cis-1,3-Dichloropropene	75	Compound Not Detected.					
74 4-Methyl-2-pentanone	43	Compound Not Detected.					
76 Toluene	91	Compound Not Detected.					
77 trans-1,3-Dichloropropene	75	Compound Not Detected.					
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	Compound Not Detected.					
80 Tetrachloroethene	164	Compound Not Detected.					
81 1,3-Dichloropropane	76	Compound Not Detected.					
82 2-Hexanone	43	Compound Not Detected.					
84 Dibromochloromethane	129	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85	1,2-Dibromoethane	107	Compound Not Detected.					
88	1-Chlorohexane	91	Compound Not Detected.					
87	Chlorobenzene	112	Compound Not Detected.					
89	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
90	Ethylbenzene	106	Compound Not Detected.					
91	m and p-Xylene	106	Compound Not Detected.					
92	o-Xylene	106	Compound Not Detected.					
93	Styrene	104	Compound Not Detected.					
94	Bromoform	173	Compound Not Detected.					
95	isopropyl benzene	105	Compound Not Detected.					
96	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
97	Cyclohexanone	55	Compound Not Detected.					
99	Bromobenzene	156	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	1,2,3-Trichloropropane	110	Compound Not Detected.					
102	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
103	n-Propylbenzene	120	Compound Not Detected.					
104	2-Chlorotoluene	126	Compound Not Detected.					
106	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
105	4-Chlorotoluene	126	Compound Not Detected.					
107	tert-Butylbenzene	119	Compound Not Detected.					
108	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
109	sec-Butylbenzene	134	Compound Not Detected.					
110	1,3-Dichlorobenzene	146	Compound Not Detected.					
112	4-Isopropyltoluene	119	Compound Not Detected.					
113	1,4-dichlorobenzene	146	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
115	1,2-Dichlorobenzene	146	Compound Not Detected.					
117	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
118	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
119	Hexachlorobutadiene	225	Compound Not Detected.					
120	Naphthalene	128	Compound Not Detected.					
121	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Z7878.D

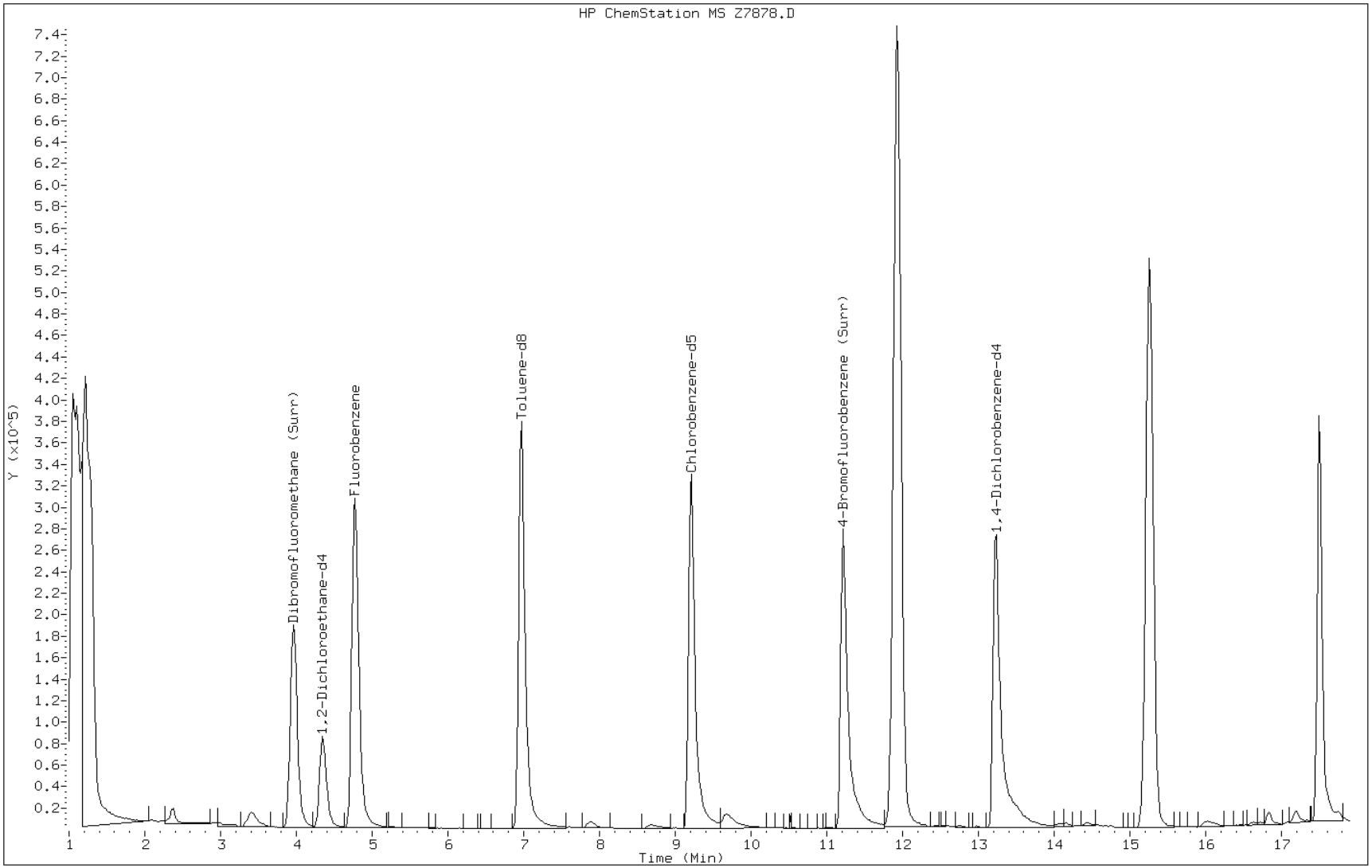
Date: 29-JUN-2012 07:50

Client ID: MB

Instrument: Z.i

Sample Info: MB,,AF

Operator: MEIERG



Data File: Z7878.D

Date: 29-JUN-2012 07:50

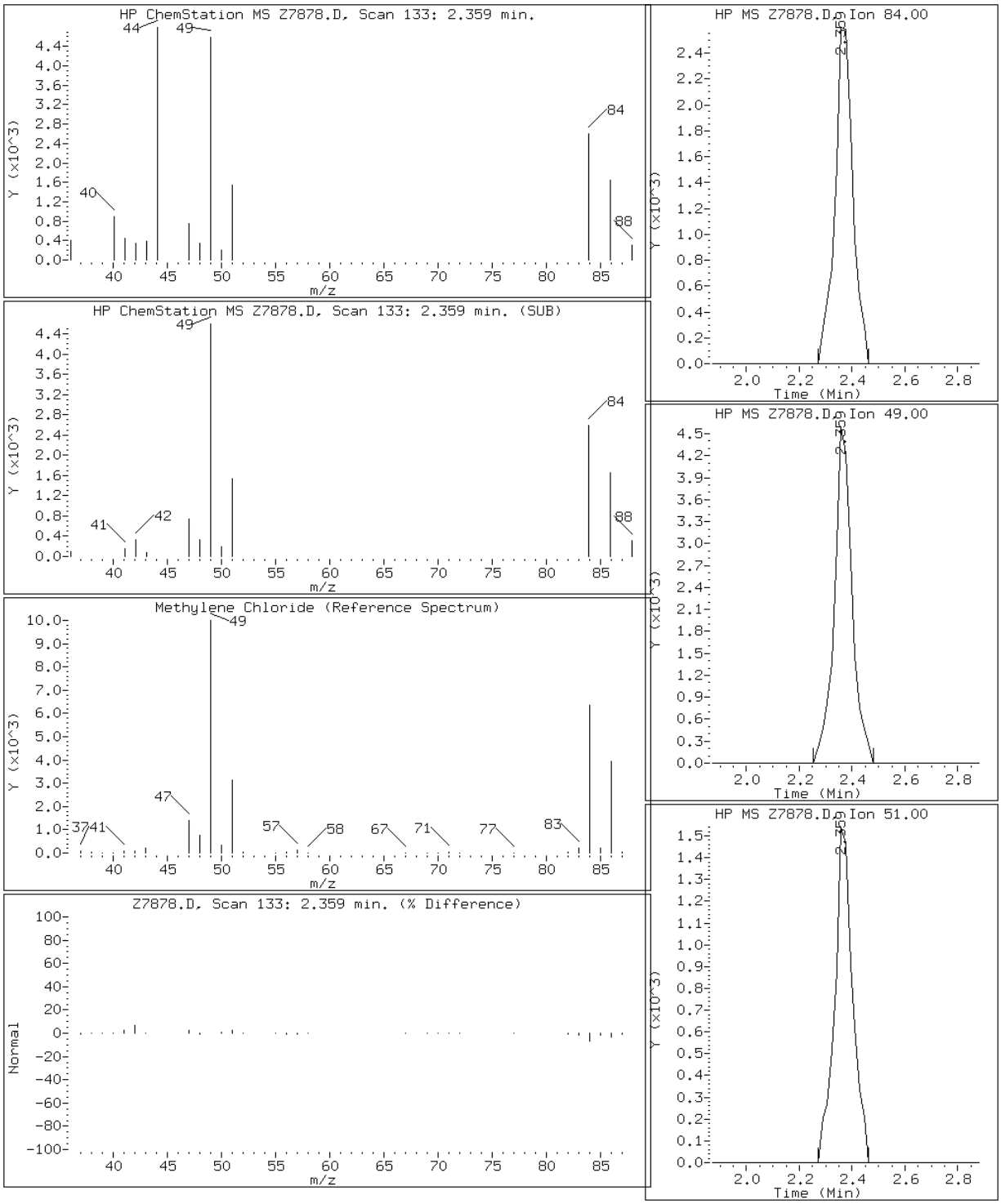
Client ID: MB

Instrument: Z.i

Sample Info: MB,,AF

Operator: MEIERG

28 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-126144/6

Matrix: Water | Lab File ID: Z7877.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 07:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	4.80		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	4.11		1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	4.50		3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	5.06		1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	4.31		1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	5.11		1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	4.87	J	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	4.61		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	4.50		1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	4.62		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	5.15		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	4.73		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	4.82		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	4.31		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.90		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	5.22		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	4.78		1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	16.3		6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	4.95		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	4.94		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	4.53		1.0	0.40	0.20
591-78-6	2-Hexanone	18.9		5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	19.1		5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	4.61		1.0	0.40	0.17
71-43-2	Benzene	4.82		1.0	0.20	0.16
67-64-1	Acetone	18.5		10	6.4	1.9
108-86-1	Bromobenzene	5.22		1.0	0.20	0.17
75-25-2	Bromoform	4.88		1.0	0.40	0.19
74-83-9	Bromomethane	3.47		2.0	0.40	0.21
56-23-5	Carbon tetrachloride	4.00		2.0	0.40	0.19
75-15-0	Carbon disulfide	3.78		2.0	0.80	0.45
95-49-8	2-Chlorotoluene	4.47		1.0	0.40	0.17
106-43-4	4-Chlorotoluene	4.84		1.0	0.40	0.17
108-90-7	Chlorobenzene	4.99		1.0	0.20	0.17
74-97-5	Chlorobromomethane	4.54		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.83		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30235-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-126144/6

Matrix: Water | Lab File ID: Z7877.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 06/29/2012 07:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126144 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	4.49		1.0	0.20	0.16
75-00-3	Chloroethane	3.77		2.0	1.6	0.41
74-87-3	Chloromethane	3.40		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	4.66		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	4.96		1.0	0.20	0.16
74-95-3	Dibromomethane	4.67		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	4.51		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	2.71		2.0	0.80	0.31
100-41-4	Ethylbenzene	5.30		1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	5.02		1.0	0.40	0.36
98-82-8	Isopropylbenzene	4.89		1.0	0.40	0.19
106-93-4	Ethylene Dibromide	4.91		1.0	0.20	0.18
75-09-2	Methylene Chloride	4.20	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	4.16	J	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	10.2		2.0	0.80	0.34
91-20-3	Naphthalene	5.22		1.0	0.80	0.22
104-51-8	n-Butylbenzene	5.21		1.0	0.40	0.32
103-65-1	N-Propylbenzene	4.95		1.0	0.20	0.16
95-47-6	o-Xylene	5.23		1.0	0.40	0.19
100-42-5	Styrene	5.11		1.0	0.40	0.17
135-98-8	sec-Butylbenzene	4.87		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.71		1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	4.38		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	4.53		1.0	0.40	0.19
127-18-4	Tetrachloroethene	5.32		1.0	0.40	0.20
108-88-3	Toluene	4.90		1.0	0.40	0.17
79-01-6	Trichloroethene	4.68		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	3.10		2.0	0.80	0.29
75-01-4	Vinyl chloride	3.56		1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.17		3.0	3.0	0.79
544-10-5	1-Chlorohexane	5.26		1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-126144/6

Matrix: Water Lab File ID: Z7877.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 06/29/2012 07:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126144 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		70-120
460-00-4	4-Bromofluorobenzene (Surr)	88		75-120
1868-53-7	Dibromofluoromethane (Surr)	87		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\Z7877.D
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 29-JUN-2012 07:29
Operator : MEIERG Inst ID: Z.i
Smp Info : LCS,,
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\Z.i\062912.B\8260B-H2O.m
Meth Date : 12-Jun-2012 06:45 meierg Quant Type: ISTD
Cal Date : 18-APR-2012 15:10 Cal File: Z4911.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC232

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	4.765	4.767	(1.000)	925389	12.5000	
* 86 Chlorobenzene-d5	119	9.202	9.204	(1.000)	188127	12.5000	
* 111 1,4-Dichlorobenzene-d4	152	13.204	13.207	(1.000)	321949	12.5000	(Q)
$ 51 Dibromofluoromethane (Surr)	111	3.964	3.947	(0.832)	398145	7.79418	7.79418
$ 56 1,2-Dichloroethane-d4	65	4.347	4.330	(0.912)	180134	7.45608	7.45608
$ 75 Toluene-d8	98	6.957	6.958	(0.756)	883422	9.39174	9.39174
$ 98 4-Bromofluorobenzene (Surr)	95	11.203	11.186	(0.848)	456863	7.88481	7.88480
M 1 1,2-Dichloroethene (total)	96				289450	9.04176	9.04176
M 2 Xylene (total)	106				657722	15.4648	15.4648
6 dichlorodifluoromethane	85	1.337	1.322	(0.281)	119923	2.70504	2.70504
8 1,2-Dichlorotetrafluoroethane	85	1.337	1.403	(0.281)	119923	1.85977	1.85977(a)
7 Chloromethane	50	1.372	1.374	(0.288)	116385	3.40214	3.40214(Q)
9 Vinyl Chloride	62	1.459	1.461	(0.306)	101146	3.55630	3.55630
11 Ethylene Oxide	43	Compound Not Detected.					
12 Bromomethane	94	1.615	1.618	(0.339)	91766	3.47184	3.47184
13 Chloroethane	64	1.650	1.635	(0.346)	69813	3.77461	3.77461
14 Dichlorofluoromethane	67	Compound Not Detected.					
16 Trichlorofluoromethane	101	1.789	1.774	(0.376)	206636	3.10247	3.10247
17 Ethyl Ether	59	2.085	1.894	(0.438)	9198	0.50894	0.508943(a)
19 1,2-dichloro-1,1,2-trifluoro	117	Compound Not Detected.					
20 2,2-dichloro-1,1,1-trifluoro	83	Compound Not Detected.					
21 Acrolein	56	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
23 1,1-Dichloroethene	96	2.085	2.070	(0.438)	130131	4.50422	4.50422
24 Trichlorotrifluoroethane	151	2.120	2.103	(0.445)	167950	4.17141	4.17141
22 Acetone	43	2.085	2.070	(0.438)	46135	18.4911	18.4910
25 Iodomethane	142	2.190	2.175	(0.460)	260499	4.07838	4.07838
18 2-propanol	45	Compound Not Detected.					
26 Carbon Disulfide	76	2.242	2.225	(0.471)	425799	3.78485	3.78485
39 Allyl Chloride	41	2.381	2.277	(0.500)	9709	0.17123	0.171226(aQ)
27 Methyl Acetate	43	Compound Not Detected.					
28 Methylene Chloride	84	2.381	2.366	(0.500)	118976	4.19783	4.19782
30 tert-Butyl alcohol	59	2.451	2.453	(0.514)	90272	91.6235	91.6235
31 Acrylonitrile	53	Compound Not Detected.					
33 Methyl t-butyl ether	73	2.590	2.573	(0.544)	186592	4.16409	4.16409(a)
32 trans-1,2-Dichloroethene	96	2.590	2.575	(0.544)	141622	4.38210	4.38210
34 Hexane	57	2.799	2.781	(0.304)	221693	4.54744	4.54744
36 1,1-Dichloroethane	63	2.903	2.905	(0.609)	273426	4.31392	4.31392
35 Vinyl Acetate	43	2.938	2.921	(0.617)	187839	4.85189	4.85189
37 Isopropyl ether	87	Compound Not Detected.					
38 Chloroprene	53	Compound Not Detected.					
40 ETBE	59	Compound Not Detected.					
42 cis-1,2-Dichloroethene	96	3.460	3.462	(0.726)	147828	4.65966	4.65966
43 2,2-Dichloropropane	77	3.495	3.480	(0.733)	235490	4.53095	4.53095
41 2-Butanone	43	3.477	3.462	(0.730)	87983	16.2821	16.2821
44 Ethyl Acetate	43	3.477	3.512	(0.730)	87983	6.36555	6.36555(Q)
49 2-Butanol	45	3.703	3.669	(0.777)	127234	158.958	158.958
46 Methacrylonitrile	41	Compound Not Detected.					
47 Bromochloromethane	128	3.703	3.706	(0.777)	61991	4.53855	4.53854
48 Tetrahydrofuran	42	Compound Not Detected.					
50 Chloroform	83	3.790	3.793	(0.796)	270583	4.49273	4.49273
52 1,1,1-Trichloroethane	97	4.034	4.019	(0.847)	251554	4.10948	4.10948
53 Cyclohexane	56	Compound Not Detected.					
54 1,1-Dichloropropene	75	4.191	4.193	(0.879)	245768	4.61417	4.61417
55 Carbon Tetrachloride	117	4.225	4.228	(0.887)	226734	4.00209	4.00209
59 Benzene	78	4.434	4.437	(0.931)	440801	4.81872	4.81872
57 1,2-Dichloroethane	62	4.434	4.437	(0.931)	111717	4.31119	4.31119
60 TAME	73	Compound Not Detected.					
63 Trichloroethene	95	5.252	5.255	(1.102)	188400	4.68302	4.68302
64 2-Pentanone	43	5.548	5.479	(1.164)	73126	5.86851	5.86851(R)
65 Methyl Cyclohexane	55	Compound Not Detected.					
66 1,2-Dichloropropane	63	5.531	5.516	(1.161)	167402	4.93528	4.93528
67 Dibromomethane	93	5.687	5.672	(1.194)	81539	4.66771	4.66771
68 Methyl Methacrylate	100	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Bromodichloromethane	83	5.913	5.916	(1.241)	232061	4.50561	4.50560
72 2-Chloroethyl vinyl ether	63	6.418	6.366	(1.347)	44432	5.41875	5.41875
73 cis-1,3-Dichloropropene	75	6.575	6.560	(1.380)	207561	4.95740	4.95740
74 4-Methyl-2-pentanone	43	6.836	6.803	(1.435)	279404	19.1388	19.1388
76 Toluene	91	7.062	7.064	(1.482)	498891	4.90372	4.90372
77 trans-1,3-Dichloropropene	75	7.427	7.395	(1.559)	149329	4.53177	4.53177
78 Ethyl methacrylate	69	Compound Not Detected.					
79 1,1,2-Trichloroethane	97	7.671	7.656	(1.610)	88697	4.62446	4.62446
80 Tetrachloroethene	164	7.914	7.899	(0.860)	161980	5.32359	5.32359
81 1,3-Dichloropropane	76	7.932	7.917	(0.862)	150435	5.22384	5.22384
82 2-Hexanone	43	8.193	8.108	(0.890)	124251	18.9271	18.9271
84 Dibromochloromethane	129	8.262	8.265	(0.898)	147681	4.83007	4.83007

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
85 1,2-Dibromoethane	107	8.436	8.404	(0.917)	112718	4.91305	4.91305
88 1-Chlorohexane	91	9.289	9.291	(1.009)	242548	5.25909	5.25909
87 Chlorobenzene	112	9.254	9.239	(1.006)	331861	4.99327	4.99327
89 1,1,1,2-Tetrachloroethane	131	9.393	9.396	(1.021)	146185	4.79853	4.79853
90 Ethylbenzene	106	9.480	9.466	(1.030)	174014	5.30077	5.30077
91 m and p-Xylene	106	9.672	9.674	(1.051)	455731	10.2380	10.2380
92 o-Xylene	106	10.316	10.318	(1.121)	201991	5.22688	5.22688
93 Styrene	104	10.351	10.353	(1.125)	319566	5.11236	5.11236
94 Bromoform	173	10.612	10.597	(1.153)	85526	4.87642	4.87642
95 isopropyl benzene	105	10.977	10.979	(0.831)	662807	4.89463	4.89463
96 cis-1,4-dichloro-2-butene	53	11.186	11.082	(0.847)	1368	1.82455	1.82455(aQ)
97 Cyclohexanone	55	11.116	11.049	(1.208)	28429	124.357	124.357
99 Bromobenzene	156	11.429	11.414	(0.866)	148940	5.21661	5.21661
100 1,1,2,2-Tetrachloroethane	83	11.499	11.484	(0.871)	124886	5.15342	5.15342
101 1,2,3-Trichloropropane	110	11.534	11.519	(0.873)	25621	4.49947	4.49947(Q)
102 t-1,4-Dichloro-2-butene	53	11.603	11.604	(0.879)	122273	26.6923	26.6923
103 n-Propylbenzene	120	11.690	11.693	(0.885)	162280	4.95210	4.95210
104 2-Chlorotoluene	126	11.777	11.780	(0.892)	122142	4.47396	4.47396(Q)
106 1,3,5-Trimethylbenzene	105	12.021	12.023	(0.910)	483519	4.78419	4.78419
105 4-Chlorotoluene	126	11.986	11.971	(0.908)	139070	4.83873	4.83873
107 tert-Butylbenzene	119	12.560	12.563	(0.951)	536406	4.71034	4.71034
108 1,2,4-Trimethylbenzene	105	12.665	12.667	(0.959)	461447	4.73400	4.73400
109 sec-Butylbenzene	134	12.961	12.963	(0.982)	139443	4.87185	4.87185
110 1,3-Dichlorobenzene	146	13.100	13.085	(0.992)	248908	4.90001	4.90001
112 4-Isopropyltoluene	119	13.256	13.241	(1.004)	583039	4.61102	4.61102
113 1,4-dichlorobenzene	146	13.256	13.241	(1.004)	302919	4.94812	4.94812
116 n-Butylbenzene	91	13.987	13.972	(1.059)	624356	5.21021	5.21020
115 1,2-Dichlorobenzene	146	13.900	13.885	(1.053)	217143	4.82225	4.82225
117 1,2-Dibromo-3-chloropropane	157	15.344	15.277	(1.162)	18818	4.87203	4.87203(Q)
118 1,2,4-Trichlorobenzene	180	16.580	16.565	(1.256)	187258	5.11133	5.11133
119 Hexachlorobutadiene	225	16.806	16.809	(1.273)	170338	5.02232	5.02232
120 Naphthalene	128	16.841	16.826	(1.275)	190431	5.21790	5.21790
121 1,2,3-Trichlorobenzene	180	17.102	17.087	(1.295)	140321	5.05575	5.05575

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: Z7877.D

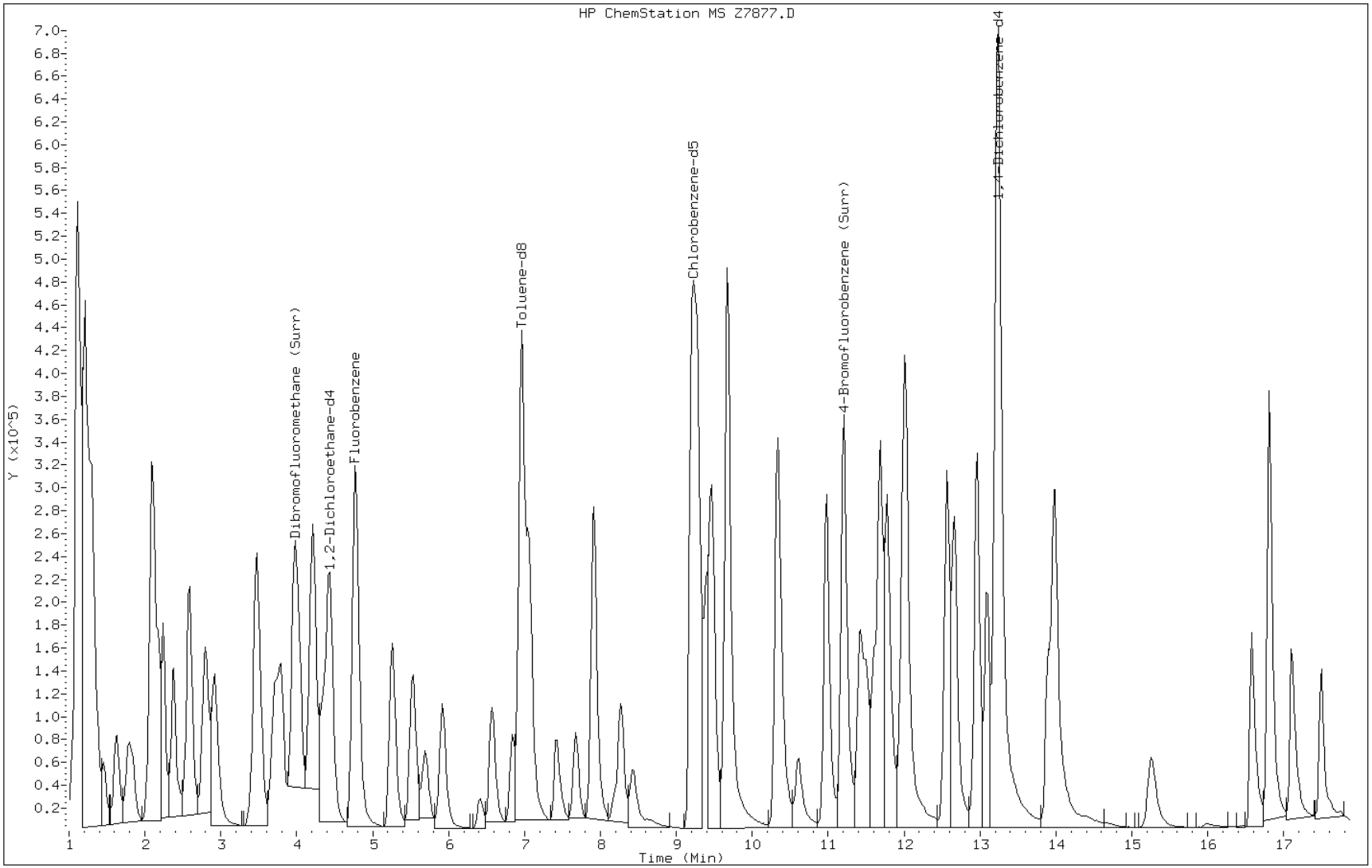
Date: 29-JUN-2012 07:29

Client ID: LCS

Instrument: Z.i

Sample Info: LCS,,

Operator: MEIERG



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: MSV_Z Start Date: 06/11/2012 10:51

Analysis Batch Number: 123533 End Date: 06/11/2012 16:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-123533/1		06/11/2012 10:51	1	Z7127.D	DB-624 (75.53) 0.53(mm)
IC 280-123533/2		06/11/2012 10:59	1	Z7128.D	DB-624 (75.53) 0.53(mm)
IC 280-123533/3		06/11/2012 11:21	1	Z7129.D	DB-624 (75.53) 0.53(mm)
IC 280-123533/4		06/11/2012 11:42	1	Z7130.D	DB-624 (75.53) 0.53(mm)
ICIS 280-123533/5		06/11/2012 12:03	1	Z7131.D	DB-624 (75.53) 0.53(mm)
IC 280-123533/6		06/11/2012 12:25	1	Z7132.D	DB-624 (75.53) 0.53(mm)
IC 280-123533/7		06/11/2012 12:46	1	Z7133.D	DB-624 (75.53) 0.53(mm)
ICV 280-123533/8		06/11/2012 13:07	1	Z7134.D	DB-624 (75.53) 0.53(mm)
IC 280-123533/9		06/11/2012 13:29	1	Z7135.D	DB-624 (75.53) 0.53(mm)
IC 280-123533/10		06/11/2012 13:50	1	Z7136.D	DB-624 (75.53) 0.53(mm)
IC 280-123533/11		06/11/2012 14:11	1	Z7137.D	DB-624 (75.53) 0.53(mm)
IC 280-123533/12		06/11/2012 14:33	1	Z7138.D	DB-624 (75.53) 0.53(mm)
IC 280-123533/13		06/11/2012 14:54	1	Z7139.D	DB-624 (75.53) 0.53(mm)
IC 280-123533/14		06/11/2012 15:15	1	Z7140.D	DB-624 (75.53) 0.53(mm)
IC 280-123533/15		06/11/2012 15:37	1	Z7141.D	DB-624 (75.53) 0.53(mm)
ICV 280-123533/16		06/11/2012 15:58	1	Z7142.D	DB-624 (75.53) 0.53(mm)
ICV 280-123533/17		06/11/2012 16:19	1	Z7143.D	DB-624 (75.53) 0.53(mm)
ICV 280-123533/18		06/11/2012 16:41	1	Z7144.D	DB-624 (75.53) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: MSV_Z Start Date: 06/11/2012 23:51

Analysis Batch Number: 123534 End Date: 06/12/2012 00:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-123534/1		06/11/2012 23:51	1	Z7145.D	DB-624 (75.53) 0.53(mm)
ICV 280-123534/2		06/12/2012 00:11	1	Z7146.D	DB-624 (75.53) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: MSV_Z Start Date: 06/29/2012 05:57

Analysis Batch Number: 126144 End Date: 06/29/2012 17:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-126144/1		06/29/2012 05:57	1	Z7872.D	DB-624 (75.53) 0.53(mm)
CCV 280-126144/2		06/29/2012 06:03	1	Z7873.D	DB-624 (75.53) 0.53(mm)
CCV 280-126144/3		06/29/2012 06:25	1	Z7874.D	DB-624 (75.53) 0.53(mm)
CCV 280-126144/4		06/29/2012 06:46	1	Z7875.D	DB-624 (75.53) 0.53(mm)
CCV 280-126144/5		06/29/2012 07:07	1		DB-624 (75.53) 0.53(mm)
LCS 280-126144/6		06/29/2012 07:29	1	Z7877.D	DB-624 (75.53) 0.53(mm)
MB 280-126144/7		06/29/2012 07:50	1	Z7878.D	DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 08:20	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 08:42	5		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 09:03	5		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 09:24	5		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 09:46	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 10:07	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 10:29	4		DB-624 (75.53) 0.53(mm)
280-30235-3	775VM1095QA	06/29/2012 10:50	1	Z7886.D	DB-624 (75.53) 0.53(mm)
280-30235-6	LF6VM2449QA	06/29/2012 11:12	1	Z7887.D	DB-624 (75.53) 0.53(mm)
280-30235-7	LF6VM2544QA	06/29/2012 11:33	1	Z7888.D	DB-624 (75.53) 0.53(mm)
280-30235-8	TMCM0919QA	06/29/2012 11:55	1	Z7889.D	DB-624 (75.53) 0.53(mm)
280-30235-9	061912QE	06/29/2012 12:16	1	Z7890.D	DB-624 (75.53) 0.53(mm)
280-30235-10	061912QF	06/29/2012 12:37	1	Z7891.D	DB-624 (75.53) 0.53(mm)
280-30235-11	061912QR	06/29/2012 12:59	1	Z7892.D	DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 13:20	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 13:42	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 14:03	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 14:25	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 14:46	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 15:08	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 15:29	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 15:51	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 16:12	20		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 16:34	200		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 16:55	20		DB-624 (75.53) 0.53(mm)
ZZZZZ		06/29/2012 17:17	200		DB-624 (75.53) 0.53(mm)

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG No.:

Project: Griffiss AFB LF6 LTM

Client Sample ID	Lab Sample ID
LF6M0168QA	280-30235-1
LF6M0168QC	280-30235-2
775VM1095QA	280-30235-3
775VM18R90QA	280-30235-4
775VM20R110QA	280-30235-5
LF6VM2449QA	280-30235-6
LF6VM2544QA	280-30235-7
TMCM0919QA	280-30235-8
061912QE	280-30235-9

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6M0168QA
Lab Sample ID: 280-30235-1
Lab Name: TestAmerica Denver
Job No.: 280-30235-1
SDG ID.:
Matrix: Water
Date Sampled: 06/19/2012 15:23
Reporting Basis: WET
Date Received: 06/20/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.065	0.10	0.050	0.022	mg/L	J	J	1	350.1
Nitrogen, Kjeldahl	1.0	1.0	0.20	0.077	mg/L		J	1	351.2
Chemical Oxygen Demand	11	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	410	5.0	1.5	1.3	mg/L		J	1	SM 2340C
Bromide	0.34	1.0	0.40	0.23	mg/L	J		2	9056A
Nitrate as N	1.9	1.0	0.20	0.084	mg/L			2	9056A
Chloride	1300	150	25	13	mg/L			50	9056A
Nitrite as N	0.20	1.0	0.20	0.098	mg/L	U		2	9056A
Fluoride	0.20	2.0	0.20	0.12	mg/L	U		2	9056A
Nitrate Nitrite as N	1.9	1.0	0.20	0.084	mg/L			2	9056A
Orthophosphate as P	0.40	1.0	0.40	0.37	mg/L	U		2	9056A
Sulfate	56	10	1.0	0.46	mg/L			2	9056A
Total Organic Carbon - Quad	1.4	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	230	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	2400	40	40	19	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6M0168QC
Lab Sample ID: 280-30235-2
Lab Name: TestAmerica Denver
Job No.: 280-30235-1
SDG ID.:
Matrix: Water
Date Sampled: 06/19/2012 15:23
Reporting Basis: WET
Date Received: 06/20/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.13	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	1.0	1.0	0.20	0.077	mg/L			1	351.2
Chemical Oxygen Demand	16	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	400	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.35	1.0	0.40	0.23	mg/L	J		2	9056A
Nitrate as N	2.0	1.0	0.20	0.084	mg/L			2	9056A
Chloride	1300	150	25	13	mg/L			50	9056A
Nitrite as N	0.20	1.0	0.20	0.098	mg/L	U		2	9056A
Fluoride	0.20	2.0	0.20	0.12	mg/L	U		2	9056A
Nitrate Nitrite as N	2.0	1.0	0.20	0.084	mg/L			2	9056A
Orthophosphate as P	0.45	1.0	0.40	0.37	mg/L	J		2	9056A
Sulfate	56	10	1.0	0.46	mg/L			2	9056A
Total Organic Carbon - Quad	1.4	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	230	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	2400	40	40	19	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 775VM1095QA
Lab Sample ID: 280-30235-3
Lab Name: TestAmerica Denver
Job No.: 280-30235-1
SDG ID.:
Matrix: Water
Date Sampled: 06/19/2012 11:39
Reporting Basis: WET
Date Received: 06/20/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.062	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	0.67	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	U		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	190	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	1.5	0.50	0.10	0.042	mg/L			1	9056A
Chloride	150	15	2.5	1.3	mg/L			5	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	1.5	0.50	0.10	0.042	mg/L			1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	22	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.81	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	160	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	430	10	10	4.7	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 775VM18R90QA
Lab Sample ID: 280-30235-4
Lab Name: TestAmerica Denver
Job No.: 280-30235-1
SDG ID.:
Matrix: Water
Date Sampled: 06/19/2012 10:49
Reporting Basis: WET
Date Received: 06/20/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.81	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	0.61	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	8.0	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	310	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.14	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	3.4	0.50	0.10	0.042	mg/L			1	9056A
Chloride	460	30	5.0	2.5	mg/L			10	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	3.4	0.50	0.10	0.042	mg/L			1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	42	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.81	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	190	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	1000	10	10	4.7	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 775VM20R110QA
Lab Sample ID: 280-30235-5
Lab Name: TestAmerica Denver
Job No.: 280-30235-1
SDG ID.:
Matrix: Water
Date Sampled: 06/19/2012 14:07
Reporting Basis: WET
Date Received: 06/20/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.075	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	1.0	1.0	0.20	0.077	mg/L			1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	U		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	200	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.048	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	57	15	2.5	1.3	mg/L			5	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.048	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	39	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.62	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	180	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	300	10	10	4.7	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM2449QA
Lab Sample ID: 280-30235-6
Lab Name: TestAmerica Denver
Job No.: 280-30235-1
SDG ID.:
Matrix: Water
Date Sampled: 06/19/2012 15:32
Reporting Basis: WET
Date Received: 06/20/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.12	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	0.90	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	4.3	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	440	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.63	0.50	0.20	0.11	mg/L			1	9056A
Nitrate as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Chloride	390	30	5.0	2.5	mg/L			10	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	45	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.56	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	99	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	800	10	10	4.7	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM2544QA
Lab Sample ID: 280-30235-7
Lab Name: TestAmerica Denver
Job No.: 280-30235-1
SDG ID.:
Matrix: Water
Date Sampled: 06/19/2012 11:44
Reporting Basis: WET
Date Received: 06/20/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.67	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	1.4	1.0	0.20	0.077	mg/L			1	351.2
Chemical Oxygen Demand	7.3	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	380	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.045	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	13	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.045	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	50	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	2.4	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	340	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	430	10	10	4.7	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TMCM0919QA
Lab Sample ID: 280-30235-8
Lab Name: TestAmerica Denver
Job No.: 280-30235-1
SDG ID.:
Matrix: Water
Date Sampled: 06/19/2012 12:48
Reporting Basis: WET
Date Received: 06/20/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.71	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	1.4	1.0	0.20	0.077	mg/L			1	351.2
Chemical Oxygen Demand	14	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	460	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.15	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	2.0	0.50	0.10	0.042	mg/L			1	9056A
Chloride	75	15	2.5	1.3	mg/L			5	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	2.0	0.50	0.10	0.042	mg/L			1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	70	25	2.5	1.2	mg/L			5	9056A
Total Organic Carbon - Quad	3.0	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	470	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	670	10	10	4.7	mg/L			1	SM 2540C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 061912QE
Lab Sample ID: 280-30235-9
Lab Name: TestAmerica Denver
Job No.: 280-30235-1
SDG ID.:
Matrix: Water
Date Sampled: 06/19/2012 12:51
Reporting Basis: WET
Date Received: 06/20/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.073	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	0.64	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	7.0	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	1.5	5.0	1.5	1.3	mg/L	U		1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.059	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	0.50	3.0	0.50	0.25	mg/L	U		1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.059	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	0.50	5.0	0.50	0.23	mg/L	U		1	9056A
Total Organic Carbon - Quad	0.33	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	2.0	5.0	2.0	1.1	mg/L	U		1	SM 2320B
Total Dissolved Solids	10	10	10	4.7	mg/L	U		1	SM 2540C

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Analyst: BQW Batch Start Date: 07/02/2012

Reporting Units: mg/L Analytical Batch No.: 126422

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
15	ICVL	13:38	Ammonia	1.89	2.00	95	90-110		NXN ICV INT_00148
16	ICV	13:39	Ammonia	4.86	5.00	97	90-110		NXN ICV INT_00148
17	ICB	13:41	Ammonia	0.050				U	
64	CCV	14:52	Ammonia	5.04	5.00	101	90-110		NXN CAL INT_00154
65	CCVL	14:53	Ammonia	1.00	1.00	100	90-110		NXN CAL INT_00154
66	CCB	14:55	Ammonia	0.050				U	
80	CCV	15:16	Ammonia	5.02	5.00	100	90-110		NXN CAL INT_00154
81	CCVL	15:17	Ammonia	1.01	1.00	101	90-110		NXN CAL INT_00154
82	CCB	15:19	Ammonia	0.050				U	
113	CCVL	16:05	Ammonia	0.983	1.00	98	90-110		NXN CAL INT_00154
114	CCB	16:07	Ammonia	0.050				U	
129	CCV	16:29	Ammonia	5.34	5.00	107	90-110		NXN CAL INT_00154
130	CCVL	16:31	Ammonia	0.992	1.00	99	90-110		NXN CAL INT_00154
131	CCB	16:32	Ammonia	0.050				U	
146	CCV	16:55	Ammonia	5.41	5.00	108	90-110		NXN CAL INT_00154
147	CCVL	16:56	Ammonia	0.985	1.00	98	90-110		NXN CAL INT_00154
148	CCB	16:58	Ammonia	0.050				U	
163	CCV	17:20	Ammonia	5.02	5.00	100	90-110		NXN CAL INT_00154
164	CCVL	17:22	Ammonia	0.993	1.00	99	90-110		NXN CAL INT_00154
165	CCB	17:23	Ammonia	0.050				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Analyst: MW Batch Start Date: 07/11/2012

Reporting Units: mg/L Analytical Batch No.: 127390

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
13	ICV	21:59	Nitrogen, Kjeldahl	9.55	9.92	96	90-110		TKN ICV_00003
14	ICB	22:00	Nitrogen, Kjeldahl	0.263				J	
21	CCV	22:09	Nitrogen, Kjeldahl	4.90	5.00	98	90-110		TKN 25ppm_00096
22	CCB	22:10	Nitrogen, Kjeldahl	0.321				J	
35	CCV	22:26	Nitrogen, Kjeldahl	4.90	5.00	98	90-110		TKN 25ppm_00096
36	CCB	22:28	Nitrogen, Kjeldahl	0.316				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Analyst: MF Batch Start Date: 06/21/2012

Reporting Units: mg/L Analytical Batch No.: 124953

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	08:18	Chemical Oxygen Demand	101	100	101	90-110		COD icv std_00009
2	ICB	08:18	Chemical Oxygen Demand	10				U	
16	CCV	08:18	Chemical Oxygen Demand	100	100	100	90-110		COD cal std_00014
17	CCB	08:18	Chemical Oxygen Demand	10				U	
24	CCV	08:18	Chemical Oxygen Demand	103	100	103	90-110		COD cal std_00014
25	CCB	08:18	Chemical Oxygen Demand	10				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Analyst: TLP Batch Start Date: 06/20/2012

Reporting Units: mg/L Analytical Batch No.: 125063

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	09:44	Nitrate as N	2.02	2.00	101	90-110		IC ICV daily_00819
			Nitrite as N	2.00	2.00	100	90-110		IC ICV daily_00819
			Orthophosphate as P	1.92	2.00	96	90-110		IC ICV daily_00819
2	ICB	10:00	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	
18	CCV	15:03	Nitrate as N	5.14	5.00	103	90-110		IC daily cal_00819
			Nitrite as N	4.90	5.00	98	90-110		IC daily cal_00819
			Orthophosphate as P	4.93	5.00	99	90-110		IC daily cal_00819
19	CCB	15:20	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	
30	CCV	18:58	Nitrate as N	5.14	5.00	103	90-110		IC daily cal_00819
			Nitrite as N	4.91	5.00	98	90-110		IC daily cal_00819
			Orthophosphate as P	4.59	5.00	92	90-110		IC daily cal_00819
31	CCB	19:15	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Analyst: TLP Batch Start Date: 06/20/2012

Reporting Units: mg/L Analytical Batch No.: 125064

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	09:44	Bromide	1.91	2.00	95	90-110		IC ICV daily_00819
			Chloride	10.3	10.0	103	90-110		IC ICV daily_00819
			Fluoride	2.11	2.00	105	90-110		IC ICV daily_00819
			Sulfate	10.6	10.0	106	90-110		IC ICV daily_00819
2	ICB	10:00	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
18	CCV	15:03	Bromide	5.11	5.00	102	90-110		IC daily cal_00819
			Chloride	25.7	25.0	103	90-110		IC daily cal_00819
			Fluoride	5.14	5.00	103	90-110		IC daily cal_00819
			Sulfate	26.2	25.0	105	90-110		IC daily cal_00819
19	CCB	15:20	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
30	CCV	18:58	Bromide	5.09	5.00	102	90-110		IC daily cal_00819
			Chloride	25.7	25.0	103	90-110		IC daily cal_00819
			Fluoride	5.16	5.00	103	90-110		IC daily cal_00819
			Sulfate	25.9	25.0	103	90-110		IC daily cal_00819
31	CCB	19:15	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
42	CCV	22:20	Bromide	5.08	5.00	102	90-110		IC daily cal_00819
			Chloride	25.6	25.0	103	90-110		IC daily cal_00819
			Fluoride	5.14	5.00	103	90-110		IC daily cal_00819
			Sulfate	26.2	25.0	105	90-110		IC daily cal_00819
43	CCB	22:37	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Analyst: DFB Batch Start Date: 07/13/2012

Reporting Units: mg/L Analytical Batch No.: 127875

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	17:02	Total Organic Carbon - Quad	19.1	20.0	95	90-110		TOC ICV Std_00012
2	ICB	17:21	Total Organic Carbon - Quad	0.25				U	
16	CCV	21:23	Total Organic Carbon - Quad	24.1	25.0	96	90-110		TOC LCS Std_00013
17	CCB	21:42	Total Organic Carbon - Quad	0.25				U	
28	CCV	00:54	Total Organic Carbon - Quad	24.0	25.0	96	90-110		TOC LCS Std_00013
29	CCB	01:14	Total Organic Carbon - Quad	0.25				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Analyst: BMG Batch Start Date: 06/23/2012

Reporting Units: mg/L Analytical Batch No.: 125394

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
29	CCV	10:31	Alkalinity	208	200	104	90-110		Alk daily lcs_00252
30	CCB	10:35	Alkalinity	2.0				U	
41	CCV	11:30	Alkalinity	207	200	103	90-110		Alk daily lcs_00252
42	CCB	11:34	Alkalinity	2.0				U	
53	CCV	12:27	Alkalinity	207	200	103	90-110		Alk daily lcs_00252
54	CCB	12:31	Alkalinity	2.0				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 126422 Date: 07/02/2012 15:07							
350.1	MB 280-126422/74	Ammonia	0.050	U	mg/L	0.10	1
Batch ID: 126422 Date: 07/02/2012 16:16							
350.1	MB 280-126422/120	Ammonia	0.0249	J	mg/L	0.10	1
Batch ID: 127390 Date: 07/11/2012 22:04 Prep Batch: 127378 Date: 07/10/2012 18:00							
351.2	MB 280-127378/3-A	Nitrogen, Kjeldahl	0.266	J	mg/L	1.0	1
Batch ID: 124953 Date: 06/21/2012 08:18							
410.4	MB 280-124953/5	Chemical Oxygen Demand	10	U	mg/L	20	1
Batch ID: 125063 Date: 06/20/2012 11:24							
9056A	MB 280-125063/7	Nitrate as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125063/7	Nitrite as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125063/7	Nitrate Nitrite as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125063/7	Orthophosphate as P	0.20	U	mg/L	0.50	1
Batch ID: 125064 Date: 06/20/2012 11:24							
9056A	MB 280-125064/7	Bromide	0.20	U	mg/L	0.50	1
9056A	MB 280-125064/7	Chloride	0.50	U	mg/L	3.0	1
9056A	MB 280-125064/7	Fluoride	0.10	U	mg/L	1.0	1
9056A	MB 280-125064/7	Sulfate	0.50	U	mg/L	5.0	1
Batch ID: 127875 Date: 07/13/2012 18:16							
9060A	MB 280-127875/5	Total Organic Carbon - Quad	0.40	U	mg/L	1.0	1
Batch ID: 124983 Date: 06/20/2012 13:30							
SM 2120B	MB 280-124983/1	Color	5.0	U	PCU	5.0	1
Batch ID: 125394 Date: 06/23/2012 10:49							
SM 2320B	MB 280-125394/33	Alkalinity	2.0	U	mg/L	5.0	1
Batch ID: 127653 Date: 07/13/2012 09:57							
SM 2340C	MB 280-127653/1	Hardness as calcium carbonate	1.5	U	mg/L	5.0	1
Batch ID: 125565 Date: 06/26/2012 07:59							
SM 2540C	MB 280-125565/1	Total Dissolved Solids	10	U	mg/L	10	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126422	Date: 07/02/2012 16:38										
350.1	280-30235-1	Ammonia	0.065	J	mg/L						J
350.1	280-30235-1 MS	Ammonia	3.18		mg/L	4.00	78	90-110			J
Batch ID: 127390	Date: 07/11/2012 22:06	Prep Batch: 127378	Date: 07/10/2012 18:00								
351.2	280-30235-1	Nitrogen, Kjeldahl	1.0		mg/L						J
351.2	280-30235-1 MS	Nitrogen, Kjeldahl	3.53		mg/L	3.00	84	90-110			J
Batch ID: 124953	Date: 06/21/2012 08:18										
410.4	280-30235-1	Chemical Oxygen Demand	11	J	mg/L						
410.4	280-30235-1 MS	Chemical Oxygen Demand	57.4		mg/L	50.0	92	90-110			
Batch ID: 125063	Date: 06/20/2012 13:39										
9056A	280-30235-1	Nitrate as N	1.9		mg/L						
9056A	280-30235-1 MS	Nitrate as N	12.9		mg/L	10.0	110	87-110			
9056A	280-30235-1	Nitrite as N	0.20	U	mg/L						
9056A	280-30235-1 MS	Nitrite as N	8.98		mg/L	10.0	90	87-112			
9056A	280-30235-1	Orthophosphate as P	0.40	U	mg/L						
9056A	280-30235-1 MS	Orthophosphate as P	11.4		mg/L	10.0	114	80-120			
Batch ID: 125064	Date: 06/20/2012 13:39										
9056A	280-30235-1	Bromide	0.34	J	mg/L						
9056A	280-30235-1 MS	Bromide	11.3		mg/L	10.0	110	86-110			
9056A	280-30235-1	Fluoride	0.20	U	mg/L						
9056A	280-30235-1 MS	Fluoride	10.4		mg/L	10.0	104	88-111			
9056A	280-30235-1	Sulfate	56		mg/L						
9056A	280-30235-1 MS	Sulfate	108		mg/L	50.0	105	86-110			J
Batch ID: 125064	Date: 06/20/2012 20:05										
9056A	280-30235-1	Chloride	1300		mg/L						
9056A	280-30235-1 MS	Chloride	2630		mg/L	1250	106	89-110			J
Batch ID: 127875	Date: 07/13/2012 19:09										
9060A	280-30235-1	Total Organic Carbon - Quad	1.4		mg/L						
9060A	280-30235-1 MS	Total Organic Carbon - Quad	25.4		mg/L	25.0	96	86-114			
Batch ID: 127653	Date: 07/13/2012 09:57										
SM 2340C	280-30235-1	Hardness as calcium carbonate	410		mg/L						J
SM 2340C	280-30235-1 MS	Hardness as calcium carbonate	852		mg/L	403	111	90-110			J

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126422	Date: 07/02/2012 16:40										
350.1	280-30235-1 MSD	Ammonia	3.17		mg/L	4.00	78	90-110	0	20	J
Batch ID: 127390	Date: 07/11/2012 22:07	Prep Batch: 127378			Date: 07/10/2012 18:00						
351.2	280-30235-1 MSD	Nitrogen, Kjeldahl	3.62		mg/L	3.00	87	90-110	3	25	J
Batch ID: 124953	Date: 06/21/2012 08:18										
410.4	280-30235-1 MSD	Chemical Oxygen Demand	57.7		mg/L	50.0	93	90-110	1	11	
Batch ID: 125063	Date: 06/20/2012 13:56										
9056A	280-30235-1 MSD	Nitrate as N	12.9		mg/L	10.0	110	87-110	0	10	
9056A	280-30235-1 MSD	Nitrite as N	8.97		mg/L	10.0	90	87-112	0	10	
9056A	280-30235-1 MSD	Orthophosphate as P	11.7		mg/L	10.0	117	80-120	3	20	
Batch ID: 125064	Date: 06/20/2012 13:56										
9056A	280-30235-1 MSD	Bromide	11.3		mg/L	10.0	110	86-110	0	10	
9056A	280-30235-1 MSD	Fluoride	10.4		mg/L	10.0	104	88-111	0	10	
9056A	280-30235-1 MSD	Sulfate	108		mg/L	50.0	105	86-110	0	10	J
Batch ID: 125064	Date: 06/20/2012 20:22										
9056A	280-30235-1 MSD	Chloride	2620		mg/L	1250	105	89-110	0	10	J
Batch ID: 127875	Date: 07/13/2012 19:27										
9060A	280-30235-1 MSD	Total Organic Carbon - Quad	25.5		mg/L	25.0	96	86-114	0	12	
Batch ID: 127653	Date: 07/13/2012 09:57										
SM 2340C	280-30235-1 MSD	Hardness as calcium carbonate	818		mg/L	403	102	90-110	4	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 125063 Date: 06/20/2012 13:22								
9056A	LF6M0168QA	280-30235-1	Nitrate as N	1.9	mg/L			
9056A	LF6M0168QA	280-30235-1 DU	Nitrate as N	1.91	mg/L	2	15	
9056A	LF6M0168QA	280-30235-1	Nitrite as N	0.20	mg/L			U
9056A	LF6M0168QA	280-30235-1 DU	Nitrite as N	0.20	mg/L	NC	15	U
9056A	LF6M0168QA	280-30235-1	Orthophosphate as P	0.40	mg/L			U
9056A	LF6M0168QA	280-30235-1 DU	Orthophosphate as P	0.40	mg/L	NC	15	U
Batch ID: 125064 Date: 06/20/2012 13:22								
9056A	LF6M0168QA	280-30235-1	Bromide	0.34	mg/L			J
9056A	LF6M0168QA	280-30235-1 DU	Bromide	0.344	mg/L	1	15	J
9056A	LF6M0168QA	280-30235-1	Fluoride	0.20	mg/L			U
9056A	LF6M0168QA	280-30235-1 DU	Fluoride	0.20	mg/L	NC	15	U
9056A	LF6M0168QA	280-30235-1	Sulfate	56	mg/L			
9056A	LF6M0168QA	280-30235-1 DU	Sulfate	55.1	mg/L	1	15	
Batch ID: 125064 Date: 06/20/2012 19:49								
9056A	LF6M0168QA	280-30235-1	Chloride	1300	mg/L			
9056A	LF6M0168QA	280-30235-1 DU	Chloride	1290	mg/L	2	15	
Batch ID: 124983 Date: 06/20/2012 13:30								
SM 2120B	LF6M0168QA	280-30235-1	Color	5.0	PCU			U
SM 2120B	LF6M0168QA	280-30235-1 DU	Color	5.0	PCU	NC	20	U
Batch ID: 125565 Date: 06/26/2012 07:59								
SM 2540C	TMCM0919QA	280-30235-8	Total Dissolved Solids	670	mg/L			
SM 2540C	TMCM0919QA	280-30235-8 DU	Total Dissolved Solids	675	mg/L	1	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126422	Date: 07/02/2012 16:13										
						LCS Source: NXN CAL INT_00154					
350.1	LCS 280-126422/118	Ammonia	5.31		mg/L	5.00	106	90-110	0	10	
Batch ID: 127390	Date: 07/11/2012 22:01	Prep Batch: 127378	Date: 07/10/2012 18:00								
						LCS Source: TKN 25ppm_00096					
351.2	LCS 280-127378/1-A	Nitrogen, Kjeldahl	5.71		mg/L	6.00	95	90-110	0	25	
Batch ID: 124953	Date: 06/21/2012 08:18										
						LCS Source: COD cal std_00014					
410.4	LCS 280-124953/3	Chemical Oxygen Demand	102		mg/L	100	102	90-110	0	11	
Batch ID: 125063	Date: 06/20/2012 10:51										
						LCS Source: IC daily cal_00819					
9056A	LCS 280-125063/5	Nitrate as N	5.09		mg/L	5.00	102	87-110	0	10	
9056A	LCS 280-125063/5	Nitrite as N	4.89		mg/L	5.00	98	87-112	0	10	
9056A	LCS 280-125063/5	Orthophosphate as P	4.58		mg/L	5.00	92	90-110	5	10	
Batch ID: 125064	Date: 06/20/2012 10:51										
						LCS Source: IC daily cal_00819					
9056A	LCS 280-125064/5	Bromide	5.04		mg/L	5.00	101	86-110	0	10	
9056A	LCS 280-125064/5	Chloride	25.5		mg/L	25.0	102	89-110	0	10	
9056A	LCS 280-125064/5	Fluoride	5.12		mg/L	5.00	102	88-111	0	10	
9056A	LCS 280-125064/5	Sulfate	25.6		mg/L	25.0	102	86-110	0	10	
Batch ID: 127875	Date: 07/13/2012 17:38										
						LCS Source: TOC LCS Std_00013					
9060A	LCS 280-127875/3	Total Organic Carbon - Quad	24.1		mg/L	25.0	96	86-114	0	12	
Batch ID: 125394	Date: 06/23/2012 10:40										
						LCS Source: Alk daily lcs_00252					
SM 2320B	LCS 280-125394/31	Alkalinity	206		mg/L	200	103	90-110	2	10	
Batch ID: 127653	Date: 07/13/2012 09:57										
						LCS Source: Hard lcs std_00022					
SM 2340C	LCS 280-127653/2	Hardness as calcium carbonate	402		mg/L	403	100	90-110	0	10	
Batch ID: 125565	Date: 06/26/2012 07:59										
						LCS Source: TDS LCS_00279					
SM 2540C	LCS 280-125565/2	Total Dissolved Solids	481		mg/L	502	96	86-110	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126422	Date: 07/02/2012 16:14										
						LCSD Source: NXN CAL INT_00154					
350.1	LCSD 280-126422/119	Ammonia	5.33		mg/L	5.00	107	90-110	0	10	
Batch ID: 127390	Date: 07/11/2012 22:02	Prep Batch: 127378	Date: 07/10/2012 18:00								
						LCSD Source: TKN 25ppm_00096					
351.2	LCSD 280-127378/2-A	Nitrogen, Kjeldahl	5.72		mg/L	6.00	95	90-110	0	25	
Batch ID: 124953	Date: 06/21/2012 08:18										
						LCSD Source: COD cal std_00014					
410.4	LCSD 280-124953/4	Chemical Oxygen Demand	101		mg/L	100	101	90-110	0	11	
Batch ID: 125063	Date: 06/20/2012 11:08										
						LCSD Source: IC daily cal_00819					
9056A	LCSD 280-125063/6	Nitrate as N	5.10		mg/L	5.00	102	87-110	0	10	
9056A	LCSD 280-125063/6	Nitrite as N	4.89		mg/L	5.00	98	87-112	0	10	
9056A	LCSD 280-125063/6	Orthophosphate as P	4.81		mg/L	5.00	96	90-110	5	10	
Batch ID: 125064	Date: 06/20/2012 11:08										
						LCSD Source: IC daily cal_00819					
9056A	LCSD 280-125064/6	Bromide	5.05		mg/L	5.00	101	86-110	0	10	
9056A	LCSD 280-125064/6	Chloride	25.5		mg/L	25.0	102	89-110	0	10	
9056A	LCSD 280-125064/6	Fluoride	5.15		mg/L	5.00	103	88-111	0	10	
9056A	LCSD 280-125064/6	Sulfate	25.7		mg/L	25.0	103	86-110	0	10	
Batch ID: 127875	Date: 07/13/2012 17:56										
						LCSD Source: TOC LCS Std_00013					
9060A	LCSD 280-127875/4	Total Organic Carbon - Quad	24.0		mg/L	25.0	96	86-114	0	12	
Batch ID: 125394	Date: 06/23/2012 10:45										
						LCSD Source: Alk daily lcs_00252					
SM 2320B	LCSD 280-125394/32	Alkalinity	211		mg/L	200	105	90-110	2	10	
Batch ID: 127653	Date: 07/13/2012 09:57										
						LCSD Source: Hard lcs std_00022					
SM 2340C	LCSD 280-127653/3	Hardness as calcium carbonate	401		mg/L	403	99	90-110	0	10	
Batch ID: 125565	Date: 06/26/2012 07:59										
						LCSD Source: TDS LCS_00279					
SM 2540C	LCSD 280-125565/3	Total Dissolved Solids	479		mg/L	502	95	86-110	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 125063	Date: 06/20/2012 10:17										
						LCS Source:	IC CAL INT1_00159				
9056A	MRL 280-125063/3	Nitrate as N	0.501		mg/L	0.500	100	50-150			
9056A	MRL 280-125063/3	Nitrite as N	0.494	J	mg/L	0.500	99	50-150			
9056A	MRL 280-125063/3	Orthophosphate as P	0.336	J	mg/L	0.500	67	50-150			
Batch ID: 125064	Date: 06/20/2012 10:34										
						LCS Source:	IC CAL INT1_00159				
9056A	MRL 280-125064/4	Bromide	0.228		mg/L	0.200	114	50-150			
9056A	MRL 280-125064/4	Chloride	1.08	J	mg/L	1.00	108	50-150			
9056A	MRL 280-125064/4	Fluoride	0.189	J	mg/L	0.200	95	50-150			
9056A	MRL 280-125064/4	Sulfate	0.899	J	mg/L	1.00	90	50-150			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 350.1 DL Date: 03/28/2011 13:26

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Ammonia		0.1	0.022

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 350.1 XMDL Date: 03/28/2011 13:26

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Ammonia		0.1	0.0225

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 351.2 DL Date: 10/26/2010 10:52

Prep Method: 351.2

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Nitrogen, Kjeldahl		1	0.077

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 351.2 XMDL Date: 10/26/2010 10:52

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrogen, Kjeldahl		1	0.077

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: WC_HACH SPEC

Method: 410.4 DL Date: 09/19/2011 14:10

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Chemical Oxygen Demand		20	4.06

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: WC_HACH SPEC

Method: 410.4 XMDL Date: 03/22/2010 16:03

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chemical Oxygen Demand		20	4.06

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2120B LOQ Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	LOQ (PCU)	
Color		5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2120B XRL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (PCU)	
Color		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2340C DL Date: 03/11/2010 17:08

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Hardness as calcium carbonate		5	1.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2340C XMDL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Hardness as calcium carbonate		5	1.3

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A DL Date: 11/30/2009 00:00

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Bromide		0.5	0.113
Chloride		3	0.254
Fluoride		1	0.06
Nitrate as N		0.5	0.042
Nitrate Nitrite as N		0.5	0.042
Nitrite as N		0.5	0.049
Orthophosphate as P		0.5	0.187
Sulfate		5	0.232

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A XMDL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Bromide		0.2	0.113
Chloride		3	0.254
Fluoride		0.5	0.0597
Sulfate		5	0.232

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A XMDL Date: 03/28/2011 13:33

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrate as N		0.5	0.0425
Nitrate Nitrite as N		0.5	0.0425
Nitrite as N		0.5	0.0494
Orthophosphate as P		0.5	0.187

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060A DL Date: 11/30/2009 00:00

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Total Organic Carbon - Quad		1	0.155

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060A XMDL Date: 03/28/2011 11:39

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon - Quad		1	0.155

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: WC-AT3

Method: SM 2320B DL Date: 03/28/2011 12:06

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Alkalinity		5	1.07

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: WC-AT3

Method: SM 2320B XMDL Date: 03/28/2011 12:06

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Alkalinity		5	1.07

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2540C DL Date: 10/07/2011 10:03

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Total Dissolved Solids		10	4.7

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30235-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2540C XMDL Date: 10/11/2010 11:58

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Dissolved Solids		10	4.7

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Prep Method: 351.2

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LCS 280-127378/1-A	07/10/2012 18:00	127378		25	25
LCSD 280-127378/2-A	07/10/2012 18:00	127378		25	25
MB 280-127378/3-A	07/10/2012 18:00	127378		25	25
280-30235-1	07/10/2012 18:00	127378		25	25
280-30235-1 MS	07/10/2012 18:00	127378		25	25
280-30235-1 MSD	07/10/2012 18:00	127378		25	25
280-30235-2	07/10/2012 18:00	127378		25	25
280-30235-3	07/10/2012 18:00	127378		25	25
280-30235-4	07/10/2012 18:00	127378		25	25
280-30235-5	07/10/2012 18:00	127378		25	25
280-30235-6	07/10/2012 18:00	127378		25	25
280-30235-7	07/10/2012 18:00	127378		25	25
280-30235-8	07/10/2012 18:00	127378		25	25
280-30235-9	07/10/2012 18:00	127378		25	25

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/02/2012 13:17 End Date: 07/02/2012 17:55

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			13:17																				
ZZZZZZ			13:18																				
ZZZZZZ			13:20																				
ZZZZZZ			13:21																				
IC 280-126422/5			13:23	X																			
IC 280-126422/6			13:24	X																			
IC 280-126422/7			13:26	X																			
IC 280-126422/8			13:27	X																			
IC 280-126422/9			13:29	X																			
IC 280-126422/10			13:30	X																			
IC 280-126422/11			13:32	X																			
ZZZZZZ			13:33																				
ZZZZZZ			13:35																				
ZZZZZZ			13:36																				
ICVL 280-126422/15	1		13:38	X																			
ICV 280-126422/16	1		13:39	X																			
ICB 280-126422/17	1		13:41	X																			
ZZZZZZ			13:42																				
ZZZZZZ			13:44																				
ZZZZZZ			13:45																				
ZZZZZZ			13:47																				
ZZZZZZ			13:48																				
ZZZZZZ			13:50																				
ZZZZZZ			13:51																				
ZZZZZZ			13:53																				
ZZZZZZ			13:54																				
ZZZZZZ			13:56																				
ZZZZZZ			13:57																				
ZZZZZZ			13:59																				
ZZZZZZ			14:00																				
RINSE 280-126422/31			14:02																				
CCV 280-126422/32			14:03																				
CCVL 280-126422/33			14:05																				
CCB 280-126422/34			14:06																				
ZZZZZZ			14:08																				
ZZZZZZ			14:09																				
ZZZZZZ			14:11																				
ZZZZZZ			14:12																				
ZZZZZZ			14:14																				
ZZZZZZ			14:15																				
ZZZZZZ			14:17																				
ZZZZZZ			14:18																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/02/2012 13:17 End Date: 07/02/2012 17:55

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			14:20																				
ZZZZZZ			14:21																				
ZZZZZZ			14:23																				
ZZZZZZ			14:24																				
RINSE 280-126422/47			14:26																				
CCV 280-126422/48			14:27																				
CCVL 280-126422/49			14:29																				
CCB 280-126422/50			14:30																				
ZZZZZZ			14:32																				
ZZZZZZ			14:33																				
ZZZZZZ			14:35																				
ZZZZZZ			14:36																				
ZZZZZZ			14:38																				
ZZZZZZ			14:39																				
ZZZZZZ			14:41																				
ZZZZZZ			14:42																				
ZZZZZZ			14:44																				
ZZZZZZ			14:45																				
ZZZZZZ			14:47																				
ZZZZZZ			14:48																				
RINSE 280-126422/63			14:50																				
CCV 280-126422/64	1		14:52	X																			
CCVL 280-126422/65	1		14:53	X																			
CCB 280-126422/66	1		14:55	X																			
ZZZZZZ			14:56																				
ZZZZZZ			14:58																				
ZZZZZZ			14:59																				
ZZZZZZ			15:01																				
ZZZZZZ			15:02																				
ZZZZZZ			15:04																				
ZZZZZZ			15:05																				
MB 280-126422/74	1	T	15:07	X																			
ZZZZZZ			15:08																				
ZZZZZZ			15:10																				
ZZZZZZ			15:11																				
ZZZZZZ			15:13																				
RINSE 280-126422/79			15:14																				
CCV 280-126422/80	1		15:16	X																			
CCVL 280-126422/81	1		15:17	X																			
CCB 280-126422/82	1		15:19	X																			
ZZZZZZ			15:20																				
ZZZZZZ			15:22																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/02/2012 13:17 End Date: 07/02/2012 17:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			15:23																				
ZZZZZZ			15:25																				
ZZZZZZ			15:26																				
ZZZZZZ			15:28																				
ZZZZZZ			15:29																				
ZZZZZZ			15:31																				
ZZZZZZ			15:32																				
ZZZZZZ			15:34																				
ZZZZZZ			15:35																				
ZZZZZZ			15:37																				
RINSE 280-126422/95			15:38																				
CCV 280-126422/96			15:40																				
CCVL 280-126422/97			15:41																				
CCB 280-126422/98			15:43																				
ZZZZZZ			15:44																				
ZZZZZZ			15:46																				
ZZZZZZ			15:47																				
ZZZZZZ			15:49																				
ZZZZZZ			15:50																				
ZZZZZZ			15:52																				
ZZZZZZ			15:53																				
ZZZZZZ			15:55																				
ZZZZZZ			15:56																				
ZZZZZZ			15:58																				
ZZZZZZ			15:59																				
ZZZZZZ			16:01																				
RINSE 280-126422/111			16:02																				
CCV 280-126422/112			16:04																				
CCVL 280-126422/113	1		16:05	X																			
CCB 280-126422/114	1		16:07	X																			
ZZZZZZ			16:08																				
RINSE 280-126422/116			16:10																				
ZZZZZZ			16:11																				
LCS 280-126422/118	1	T	16:13	X																			
LCSD 280-126422/119	1	T	16:14	X																			
MB 280-126422/120	1	T	16:16	X																			
ZZZZZZ			16:17																				
ZZZZZZ			16:19																				
ZZZZZZ			16:20																				
ZZZZZZ			16:22																				
ZZZZZZ			16:23																				
ZZZZZZ			16:25																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/02/2012 13:17 End Date: 07/02/2012 17:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			16:26																				
RINSE 280-126422/128			16:28																				
CCV 280-126422/129	1		16:29	X																			
CCVL 280-126422/130	1		16:31	X																			
CCB 280-126422/131	1		16:32	X																			
ZZZZZZ			16:34																				
RINSE 280-126422/133			16:35																				
280-30235-1	1	T	16:37	X																			
280-30235-1 MS	1	T	16:38	X																			
280-30235-1 MSD	1	T	16:40	X																			
280-30235-2	1	T	16:41	X																			
280-30235-3	1	T	16:43	X																			
280-30235-4	1	T	16:44	X																			
280-30235-5	1	T	16:46	X																			
280-30235-6	1	T	16:47	X																			
280-30235-7	1	T	16:49	X																			
280-30235-8	1	T	16:50	X																			
ZZZZZZ			16:52																				
RINSE 280-126422/145			16:53																				
CCV 280-126422/146	1		16:55	X																			
CCVL 280-126422/147	1		16:56	X																			
CCB 280-126422/148	1		16:58	X																			
ZZZZZZ			16:59																				
RINSE 280-126422/150			17:01																				
280-30235-9	1	T	17:02	X																			
ZZZZZZ			17:04																				
ZZZZZZ			17:05																				
ZZZZZZ			17:07																				
ZZZZZZ			17:08																				
ZZZZZZ			17:10																				
ZZZZZZ			17:11																				
ZZZZZZ			17:13																				
ZZZZZZ			17:14																				
ZZZZZZ			17:16																				
ZZZZZZ			17:17																				
RINSE 280-126422/162			17:19																				
CCV 280-126422/163	1		17:20	X																			
CCVL 280-126422/164	1		17:22	X																			
CCB 280-126422/165	1		17:23	X																			
ZZZZZZ			17:25																				
RINSE 280-126422/167			17:26																				
ZZZZZZ			17:28																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/02/2012 13:17 End Date: 07/02/2012 17:55

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			17:29																				
ZZZZZZ			17:31																				
ZZZZZZ			17:32																				
ZZZZZZ			17:34																				
ZZZZZZ			17:35																				
ZZZZZZ			17:37																				
ZZZZZZ			17:39																				
ZZZZZZ			17:40																				
ZZZZZZ			17:42																				
ZZZZZZ			17:43																				
RINSE 280-126422/179			17:45																				
CCV 280-126422/180			17:46																				
CCVL 280-126422/181			17:48																				
CCB 280-126422/182			17:49																				
ZZZZZZ			17:51																				
RINSE 280-126422/184			17:52																				
RINSE 280-126422/185			17:54																				
RINSE 280-126422/186			17:55																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: WC_Astoria Method: 351.2

Start Date: 07/11/2012 21:44 End Date: 07/11/2012 22:35

Lab Sample ID	D/F	Type	Time	Analytes																			
				TKN																			
ZZZZZZ			21:44																				
ZZZZZZ			21:45																				
ZZZZZZ			21:46																				
ZZZZZZ			21:47																				
IC 280-127390/5			21:49	X																			
IC 280-127390/6			21:50	X																			
IC 280-127390/7			21:51	X																			
IC 280-127390/8			21:52	X																			
IC 280-127390/9			21:54	X																			
IC 280-127390/10			21:55	X																			
ZZZZZZ			21:56																				
ZZZZZZ			21:57																				
ICV 280-127390/13	2		21:59	X																			
ICB 280-127390/14	1		22:00	X																			
LCS 280-127378/1-A	1	T	22:01	X																			
LCSD 280-127378/2-A	1	T	22:02	X																			
MB 280-127378/3-A	1	T	22:04	X																			
280-30235-1	1	T	22:05	X																			
280-30235-1 MS	1	T	22:06	X																			
280-30235-1 MSD	1	T	22:07	X																			
CCV 280-127390/21	1		22:09	X																			
CCB 280-127390/22	1		22:10	X																			
ZZZZZZ			22:11																				
ZZZZZZ			22:12																				
ZZZZZZ			22:14																				
ZZZZZZ			22:15																				
280-30235-2	1	T	22:16	X																			
280-30235-3	1	T	22:18	X																			
280-30235-4	1	T	22:19	X																			
280-30235-5	1	T	22:20	X																			
280-30235-6	1	T	22:21	X																			
280-30235-7	1	T	22:23	X																			
280-30235-8	1	T	22:24	X																			
280-30235-9	1	T	22:25	X																			
CCV 280-127390/35	1		22:26	X																			
CCB 280-127390/36	1		22:28	X																			
ZZZZZZ			22:29																				
ZZZZZZ			22:30																				
ZZZZZZ			22:31																				
ZZZZZZ			22:33																				
ZZZZZZ			22:34																				
ZZZZZZ			22:35																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: WC_Astoria Method: 351.2

Start Date: 07/11/2012 21:44 End Date: 07/11/2012 22:35

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: WC_HACH SPEC Method: 410.4

Start Date: 06/21/2012 08:18 End Date: 06/21/2012 08:18

Lab Sample ID	D / F	Type	Time	Analytes																			
				COD																			
ICV 280-124953/1	1		08:18	X																			
ICB 280-124953/2	1		08:18	X																			
LCS 280-124953/3	1	T	08:18	X																			
LCSD 280-124953/4	1	T	08:18	X																			
MB 280-124953/5	1	T	08:18	X																			
ZZZZZZ			08:18																				
ZZZZZZ			08:18																				
ZZZZZZ			08:18																				
ZZZZZZ			08:18																				
ZZZZZZ			08:18																				
280-30235-1	1	T	08:18	X																			
280-30235-1 MS	1	T	08:18	X																			
280-30235-1 MSD	1	T	08:18	X																			
280-30235-2	1	T	08:18	X																			
280-30235-3	1	T	08:18	X																			
CCV 280-124953/16	1		08:18	X																			
CCB 280-124953/17	1		08:18	X																			
280-30235-4	1	T	08:18	X																			
280-30235-5	1	T	08:18	X																			
280-30235-6	1	T	08:18	X																			
280-30235-7	1	T	08:18	X																			
280-30235-8	1	T	08:18	X																			
280-30235-9	1	T	08:18	X																			
CCV 280-124953/24	1		08:18	X																			
CCB 280-124953/25	1		08:18	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2120B

Start Date: 06/20/2012 13:30 End Date: 06/20/2012 13:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				Color																			
MB 280-124983/1	1	T	13:30	X																			
280-30235-1	1	T	13:30	X																			
280-30235-1 DU	1	T	13:30	X																			
280-30235-2	1	T	13:30	X																			
280-30235-3	1	T	13:30	X																			
280-30235-4	1	T	13:30	X																			
280-30235-5	1	T	13:30	X																			
280-30235-6	1	T	13:30	X																			
280-30235-7	1	T	13:30	X																			
280-30235-8	1	T	13:30	X																			
280-30235-9	1	T	13:30	X																			
ZZZZZZ			13:30																				
ZZZZZZ			13:30																				
ZZZZZZ			13:30																				
ZZZZZZ			13:30																				
ZZZZZZ			13:30																				
ZZZZZZ			13:30																				
ZZZZZZ			13:30																				
ZZZZZZ			13:30																				
ZZZZZZ			13:30																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2340C

Start Date: 07/13/2012 09:57 End Date: 07/13/2012 09:57

Lab Sample ID	D / F	Type	Time	Analytes																			
				HardCC																			
MB 280-127653/1	1	T	09:57	X																			
LCS 280-127653/2	1	T	09:57	X																			
LCSD 280-127653/3	1	T	09:57	X																			
280-30235-1	1	T	09:57	X																			
280-30235-1 MS	1	T	09:57	X																			
280-30235-1 MSD	1	T	09:57	X																			
280-30235-2	1	T	09:57	X																			
280-30235-3	1	T	09:57	X																			
280-30235-4	1	T	09:57	X																			
280-30235-5	1	T	09:57	X																			
280-30235-6	1	T	09:57	X																			
280-30235-7	1	T	09:57	X																			
280-30235-8	1	T	09:57	X																			
280-30235-9	1	T	09:57	X																			
ZZZZZZ			09:57																				
ZZZZZZ			09:57																				
ZZZZZZ			09:57																				
ZZZZZZ			09:57																				
ZZZZZZ			09:57																				
ZZZZZZ			09:57																				
ZZZZZZ			09:57																				
ZZZZZZ			09:57																				
ZZZZZZ			09:57																				
ZZZZZZ			09:57																				
ZZZZZZ			09:57																				
ZZZZZZ			09:57																				
ZZZZZZ			09:57																				
ZZZZZZ			09:57																				
ZZZZZZ			09:57																				
ZZZZZZ			09:57																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/20/2012 09:44 End Date: 06/21/2012 07:34

Lab Sample ID	D/F	Type	Time	Analytes																			
				N-No2	NNO32	NO3	Orthop																
ICV 280-125063/1	1		09:44	X		X	X																
ICB 280-125063/2	1		10:00	X		X	X																
MRL 280-125063/3	1	T	10:17	X		X	X																
ZZZZZZ			10:34																				
LCS 280-125063/5	1	T	10:51	X		X	X																
LCSD 280-125063/6	1	T	11:08	X		X	X																
MB 280-125063/7	1	T	11:24	X	X	X	X																
ZZZZZZ			11:41																				
ZZZZZZ			11:58																				
ZZZZZZ			12:48																				
280-30235-1	2	T	13:05	X	X	X	X																
280-30235-1 DU	2	T	13:22	X		X	X																
280-30235-1 MS	2	T	13:39	X		X	X																
280-30235-1 MSD	2	T	13:56	X		X	X																
280-30235-2	2	T	14:13	X	X	X	X																
280-30235-3	1	T	14:29	X	X	X	X																
280-30235-4	1	T	14:46	X	X	X	X																
CCV 280-125063/18	1		15:03	X		X	X																
CCB 280-125063/19	1		15:20	X		X	X																
280-30235-5	1	T	15:37	X	X	X	X																
280-30235-6	1	T	15:53	X	X	X	X																
280-30235-7	1	T	16:10	X	X	X	X																
280-30235-8	1	T	16:27	X	X	X	X																
280-30235-9	1	T	16:44	X	X	X	X																
ZZZZZZ			17:01																				
ZZZZZZ			17:17																				
ZZZZZZ			17:34																				
ZZZZZZ			17:51																				
ZZZZZZ			18:08																				
CCV 280-125063/30	1		18:58	X		X	X																
CCB 280-125063/31	1		19:15	X		X	X																
ZZZZZZ			19:32																				
ZZZZZZ			19:49																				
ZZZZZZ			20:05																				
ZZZZZZ			20:22																				
ZZZZZZ			20:39																				
ZZZZZZ			20:56																				
ZZZZZZ			21:13																				
ZZZZZZ			21:29																				
ZZZZZZ			21:46																				
ZZZZZZ			22:03																				
CCV 280-125063/42			22:20																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/20/2012 09:44 End Date: 06/21/2012 07:34

Lab Sample ID	D / F	Type	Time	Analytes																				
				N-No2	NNO32	NO3	Orthop																	
CCB 280-125063/43			22:37																					
ZZZZZZ			22:53																					
ZZZZZZ			23:10																					
ZZZZZZ			23:27																					
ZZZZZZ			23:44																					
ZZZZZZ			00:01																					
ZZZZZZ			00:17																					
ZZZZZZ			00:34																					
ZZZZZZ			00:51																					
ZZZZZZ			01:08																					
ZZZZZZ			01:25																					
CCV 280-125063/54			01:41																					
CCB 280-125063/55			01:58																					
ZZZZZZ			02:15																					
ZZZZZZ			02:32																					
ZZZZZZ			02:49																					
ZZZZZZ			03:06																					
ZZZZZZ			03:22																					
ZZZZZZ			03:39																					
ZZZZZZ			03:56																					
ZZZZZZ			04:13																					
ZZZZZZ			04:30																					
ZZZZZZ			04:46																					
CCV 280-125063/66			05:03																					
CCB 280-125063/67			05:20																					
ZZZZZZ			05:37																					
ZZZZZZ			05:54																					
ZZZZZZ			06:10																					
ZZZZZZ			06:27																					
ZZZZZZ			06:44																					
ZZZZZZ			07:01																					
CCV 280-125063/74			07:18																					
CCB 280-125063/75			07:34																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/20/2012 09:44 End Date: 06/21/2012 07:34

Lab Sample ID	D/F	Type	Time	Analytes																				
				Br	Cl-	F	SO4																	
ICV 280-125064/1	1		09:44	X	X	X	X																	
ICB 280-125064/2	1		10:00	X	X	X	X																	
ZZZZZZ			10:17																					
MRL 280-125064/4	1	T	10:34	X	X	X	X																	
LCS 280-125064/5	1	T	10:51	X	X	X	X																	
LCSD 280-125064/6	1	T	11:08	X	X	X	X																	
MB 280-125064/7	1	T	11:24	X	X	X	X																	
ZZZZZZ			11:41																					
ZZZZZZ			11:58																					
ZZZZZZ			12:48																					
280-30235-1	2	T	13:05	X		X	X																	
280-30235-1 DU	2	T	13:22	X		X	X																	
280-30235-1 MS	2	T	13:39	X		X	X																	
280-30235-1 MSD	2	T	13:56	X		X	X																	
280-30235-2	2	T	14:13	X		X	X																	
280-30235-3	1	T	14:29	X		X	X																	
280-30235-4	1	T	14:46	X		X	X																	
CCV 280-125064/18	1		15:03	X	X	X	X																	
CCB 280-125064/19	1		15:20	X	X	X	X																	
280-30235-5	1	T	15:37	X		X	X																	
280-30235-6	1	T	15:53	X		X	X																	
280-30235-7	1	T	16:10	X	X	X	X																	
280-30235-8	1	T	16:27	X		X																		
280-30235-9	1	T	16:44	X	X	X	X																	
ZZZZZZ			17:01																					
ZZZZZZ			17:17																					
ZZZZZZ			17:34																					
ZZZZZZ			17:51																					
ZZZZZZ			18:08																					
CCV 280-125064/30	1		18:58	X	X	X	X																	
CCB 280-125064/31	1		19:15	X	X	X	X																	
280-30235-1	50	T	19:32		X																			
280-30235-1 DU	50	T	19:49		X																			
280-30235-1 MS	50	T	20:05		X																			
280-30235-1 MSD	50	T	20:22		X																			
280-30235-2	50	T	20:39		X																			
280-30235-3	5	T	20:56		X																			
280-30235-4	10	T	21:13		X																			
280-30235-5	5	T	21:29		X																			
280-30235-6	10	T	21:46		X																			
280-30235-8	5	T	22:03		X		X																	
CCV 280-125064/42	1		22:20	X	X	X	X																	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/20/2012 09:44 End Date: 06/21/2012 07:34

Lab Sample ID	D / F	Type	Time	Analytes																				
				Br	Cl-	F	SO4																	
CCB 280-125064/43	1		22:37	X	X	X	X																	
ZZZZZZ			22:53																					
ZZZZZZ			23:10																					
ZZZZZZ			23:27																					
ZZZZZZ			23:44																					
ZZZZZZ			00:01																					
ZZZZZZ			00:17																					
ZZZZZZ			00:34																					
ZZZZZZ			00:51																					
ZZZZZZ			01:08																					
ZZZZZZ			01:25																					
CCV 280-125064/54			01:41																					
CCB 280-125064/55			01:58																					
ZZZZZZ			02:15																					
ZZZZZZ			02:32																					
ZZZZZZ			02:49																					
ZZZZZZ			03:06																					
ZZZZZZ			03:22																					
ZZZZZZ			03:39																					
ZZZZZZ			03:56																					
ZZZZZZ			04:13																					
ZZZZZZ			04:30																					
ZZZZZZ			04:46																					
CCV 280-125064/66			05:03																					
CCB 280-125064/67			05:20																					
ZZZZZZ			05:37																					
ZZZZZZ			05:54																					
ZZZZZZ			06:10																					
ZZZZZZ			06:27																					
ZZZZZZ			06:44																					
ZZZZZZ			07:01																					
CCV 280-125064/74			07:18																					
CCB 280-125064/75			07:34																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060A

Start Date: 07/13/2012 17:02 End Date: 07/14/2012 17:12

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOCQ																			
ICV 280-127875/1	1		17:02	X																			
ICB 280-127875/2	1		17:21	X																			
LCS 280-127875/3	1	T	17:38	X																			
LCSD 280-127875/4	1	T	17:56	X																			
MB 280-127875/5	1	T	18:16	X																			
ZZZZZZ			18:32																				
280-30235-1	1	T	18:53	X																			
280-30235-1 MS	1	T	19:09	X																			
280-30235-1 MSD	1	T	19:27	X																			
280-30235-2	1	T	19:46	X																			
280-30235-3	1	T	20:05	X																			
280-30235-4	1	T	20:20	X																			
280-30235-5	1	T	20:36	X																			
280-30235-6	1	T	20:51	X																			
280-30235-7	1	T	21:06	X																			
CCV 280-127875/16	1		21:23	X																			
CCB 280-127875/17	1		21:42	X																			
280-30235-8	1	T	22:01	X																			
280-30235-9	1	T	22:18	X																			
ZZZZZZ			22:33																				
ZZZZZZ			22:50																				
ZZZZZZ			23:08																				
ZZZZZZ			23:27																				
ZZZZZZ			23:46																				
ZZZZZZ			00:04																				
ZZZZZZ			00:21																				
ZZZZZZ			00:38																				
CCV 280-127875/28	1		00:54	X																			
CCB 280-127875/29	1		01:14	X																			
ZZZZZZ			01:32																				
ZZZZZZ			01:50																				
ZZZZZZ			02:07																				
ZZZZZZ			02:22																				
ZZZZZZ			02:41																				
ZZZZZZ			03:00																				
ZZZZZZ			03:19																				
ZZZZZZ			03:37																				
ZZZZZZ			03:54																				
ZZZZZZ			04:11																				
CCV 280-127875/40			04:30																				
CCB 280-127875/41			04:49																				
ZZZZZZ			05:08																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060A

Start Date: 07/13/2012 17:02 End Date: 07/14/2012 17:12

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOCQ																			
ZZZZZZ			05:26																				
ZZZZZZ			05:42																				
ZZZZZZ			06:02																				
ZZZZZZ			06:23																				
ZZZZZZ			06:41																				
ZZZZZZ			06:58																				
ZZZZZZ			07:17																				
ZZZZZZ			07:36																				
ZZZZZZ			07:57																				
CCV 280-127875/52			08:16																				
CCB 280-127875/53			08:35																				
ZZZZZZ			08:55																				
ZZZZZZ			09:17																				
ZZZZZZ			09:39																				
ZZZZZZ			09:57																				
ZZZZZZ			10:16																				
ZZZZZZ			10:37																				
ZZZZZZ			10:54																				
ZZZZZZ			11:12																				
ZZZZZZ			11:34																				
ZZZZZZ			11:54																				
CCV 280-127875/64			12:11																				
CCB 280-127875/65			12:32																				
ZZZZZZ			12:52																				
ZZZZZZ			13:12																				
ZZZZZZ			13:32																				
ZZZZZZ			13:51																				
ZZZZZZ			14:07																				
ZZZZZZ			14:25																				
ZZZZZZ			14:46																				
ZZZZZZ			15:04																				
ZZZZZZ			15:23																				
ZZZZZZ			15:42																				
CCV 280-127875/76			15:58																				
CCB 280-127875/77			16:18																				
ZZZZZZ			16:36																				
CCV 280-127875/79			16:52																				
CCB 280-127875/80			17:12																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: WC-AT3 Method: SM 2320B

Start Date: 06/23/2012 08:14 End Date: 06/23/2012 13:55

Lab Sample ID	D / F	Type	Time	Analytes																				
				Alk																				
RINSE 280-125394/1			08:14																					
ZZZZZZ			08:20																					
ZZZZZZ			08:26																					
ZZZZZZ			08:31																					
ZZZZZZ			08:36																					
ZZZZZZ			08:40																					
ZZZZZZ			08:44																					
ZZZZZZ			08:49																					
ZZZZZZ			08:54																					
ZZZZZZ			08:58																					
ZZZZZZ			09:03																					
ZZZZZZ			09:08																					
ZZZZZZ			09:13																					
ZZZZZZ			09:18																					
ZZZZZZ			09:23																					
ZZZZZZ			09:28																					
CCV 280-125394/17			09:32																					
CCB 280-125394/18			09:36																					
ZZZZZZ			09:41																					
ZZZZZZ			09:46																					
ZZZZZZ			09:51																					
ZZZZZZ			09:56																					
ZZZZZZ			10:01																					
ZZZZZZ			10:06																					
ZZZZZZ			10:12																					
ZZZZZZ			10:17																					
ZZZZZZ			10:21																					
ZZZZZZ			10:26																					
CCV 280-125394/29	1		10:31	X																				
CCB 280-125394/30	1		10:35	X																				
LCS 280-125394/31	1	T	10:40	X																				
LCSD 280-125394/32	1	T	10:45	X																				
MB 280-125394/33	1	T	10:49	X																				
ZZZZZZ			10:54																					
ZZZZZZ			10:59																					
ZZZZZZ			11:04																					
ZZZZZZ			11:09																					
ZZZZZZ			11:15																					
ZZZZZZ			11:20																					
ZZZZZZ			11:25																					
CCV 280-125394/41	1		11:30	X																				
CCB 280-125394/42	1		11:34	X																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: WC-AT3 Method: SM 2320B

Start Date: 06/23/2012 08:14 End Date: 06/23/2012 13:55

Lab Sample ID	D/F	Type	Time	Analytes																				
				Alk																				
ZZZZZZ			11:39																					
280-30235-1	1	T	11:44	X																				
280-30235-2	1	T	11:49	X																				
280-30235-3	1	T	11:53	X																				
280-30235-4	1	T	11:59	X																				
280-30235-5	1	T	12:04	X																				
280-30235-6	1	T	12:08	X																				
280-30235-7	1	T	12:13	X																				
280-30235-8	1	T	12:18	X																				
280-30235-9	1	T	12:22	X																				
CCV 280-125394/53	1		12:27	X																				
CCB 280-125394/54	1		12:31	X																				
ZZZZZZ			12:36																					
ZZZZZZ			12:41																					
ZZZZZZ			12:45																					
ZZZZZZ			12:50																					
CCV 280-125394/59			12:56																					
CCB 280-125394/60			13:00																					
ZZZZZZ			13:05																					
ZZZZZZ			13:10																					
ZZZZZZ			13:14																					
ZZZZZZ			13:19																					
ZZZZZZ			13:24																					
ZZZZZZ			13:28																					
ZZZZZZ			13:34																					
ZZZZZZ			13:38																					
ZZZZZZ			13:43																					
ZZZZZZ			13:47																					
CCV 280-125394/71			13:52																					
CCB 280-125394/72			13:55																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2540C

Start Date: 06/26/2012 07:59 End Date: 06/26/2012 07:59

Lab Sample ID	D / F	Type	Time	Analytes																			
				TDS																			
MB 280-125565/1	1	T	07:59	X																			
LCS 280-125565/2	1	T	07:59	X																			
LCSD 280-125565/3	1	T	07:59	X																			
ZZZZZZ			07:59																				
ZZZZZZ			07:59																				
ZZZZZZ			07:59																				
ZZZZZZ			07:59																				
280-30235-1	1	T	07:59	X																			
280-30235-2	1	T	07:59	X																			
280-30235-3	1	T	07:59	X																			
280-30235-4	1	T	07:59	X																			
280-30235-5	1	T	07:59	X																			
280-30235-6	1	T	07:59	X																			
280-30235-7	1	T	07:59	X																			
280-30235-8	1	T	07:59	X																			
280-30235-8 DU	1	T	07:59	X																			
280-30235-9	1	T	07:59	X																			
ZZZZZZ			07:59																				
ZZZZZZ			07:59																				
ZZZZZZ			07:59																				
ZZZZZZ			07:59																				
ZZZZZZ			07:59																				
ZZZZZZ			07:59																				

Prep Types

T = Total/NA

Peak Table:Ammonia

File name: C:\FLOW_4\0702NXNX.RST
Date: 02-Jul-12
Operator: BQW

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
1	107	SYNC	1	SYNC	1	1	1938065	9978.157227	
2	0	Carryover	1	CO	1	1	2409	24.650013	
3	0	Carryover	2	CO	1	1	408	14.411386	
B	0	read baseline	1	RB	1	1	0	12.323174	BL
5	101	Cal 0.00 ppb	1	C	1	1	1174	18.331347	
6	102	Cal 50.0 ppb	1	C	1	1	7214	49.244427	
7	103	Cal 100 ppb	1	C	1	1	21744	123.612671	
8	104	Cal 500 ppb	1	C	1	1	89082	468.330719	
9	105	Cal 1000 ppb	1	C	1	1	189425	982.217468	
10	106	Cal 5000 ppb	1	C	1	1	974338	5010.732910	
11	107	Cal 10000 ppb	1	C	1	1	1941818	9997.547852	
12	0	blk	1	BLNK	1	1	72	12.692015	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
14	108	5000 PPB NO2	1	U	1	1	975554	5016.984863	
15	109	ICV 2000 PPB	1	CCV	1	1	367169	1893.123779	
16	110	ICV 5000 PPB	1	CCV	1	1	944844	4859.074219	
17	0	ICB	1	U	1	1	534	15.056437	
18	111	MRL	1	U	1	1	21516	122.445923	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
20	113	mb 280-126098/1-a	1	U	1	1	196	13.325676	
21	114	lcs 280-126098/2-a	1	U	1	1	987522	5078.531738	
22	115	lcsd 280-126098/3-a	1	U	1	1	983746	5059.109375	
23	116	280-30490-c-1-a	1	U	1	1	423326	2181.080322	
24	117	280-30490-b-2-aX	1	U	2	1	2799725	28878.470703	HI
25	118	280-30490-b-3-aX	1	U	2	1	2922404	30151.787109	HI
26	119	280-30490-b-4-b ms	1	U	5	1	1551492	39914.042969	FL
27	120	280-30490-b-4-a	1	U	5	1	1365185	35112.484375	
28	121	280-30490-b-4-c msd	1	U	5	1	1513079	38923.683594	
29	122	MB 280-126231/1-A	1	U	1	1	442	14.584224	
B	0	read baseline	1	RB	1	1	0	12.323174	BL
31	0	rinse	1	U	1	1	-216	11.215923	
32	106	5000 PPB CCV	1	CCV	1	1	975104	5014.668457	
33	105	CCV 1000PPB	1	CCV	1	1	192771	999.355896	
34	0	CCB	1	U	1	1	729	16.055180	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
36	123	lcs 280-126231/2-a	1	U	1	1	994205	5112.896484	
37	124	lcsd 280-126231/3-a	1	U	1	1	991072	5096.785645	
38	125	580-33414-d-4-d	1	U	1	1	20669	118.110901	
39	126	580-33414-d-4-e ms	1	U	1	1	959496	4934.412598	
40	127	580-33414-d-4-f msd	1	U	1	1	1044245	5370.274902	
41	128	580-33414-d-6-a	1	U	1	1	709693	3650.730713	
42	129	580-33414-d-8-a	1	U	1	1	90317	474.649963	
43	130	580-33414-d-10-a	1	U	1	1	163862	851.278015	
44	131	580-33414-d-10-b ms	1	U	1	1	1124441	5782.889160	
45	132	580-33414-d-10-c msd	1	U	1	1	1034989	5322.662109	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
47	0	RINSE	1	U	1	1	-598	9.262671	
48	106	5000 PPB CCV	1	CCV	1	1	973545	5006.652832	
49	105	CCV 1000PPB	1	CCV	1	1	193380	1002.478088	
50	0	CCB	1	U	1	1	758	16.200460	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
52	133	580-33414-d-12-a	1	U	1	1	473882	2440.384521	
53	134	580-33414-d-14-a	1	U	1	1	179447	931.104919	
54	135	580-33414-d-16-a	1	U	1	1	97334	510.582306	
55	136	580-33414-d-18-a	1	U	1	1	47502	255.460846	
56	137	580-33414-d-20-a	1	U	1	1	189846	984.375244	
57	138	580-33414-d-22-a	1	U	1	1	151818	789.592590	
58	139	580-33414-d-24-a	1	U	1	1	183387	951.288818	
59	140	580-33414-d-26-a	1	U	1	1	64896	344.504852	
60	141	580-33414-d-28-a	1	U	1	1	51771	277.313141	
61	142	580-33414-d-30-a	1	U	1	1	1115453	5736.635254	
B	0	RB	1	RB	1	1	0	12.323174	BL
63	0	RINSE	1	U	1	1	-490	9.813929	
64	106	5000 PPB CCV	1	CCV	1	1	979826	5038.950684	
65	105	CCV 1000PPB	1	CCV	1	1	192821	999.611694	
66	0	CCB	1	U	1	1	782	16.323626	
B	0	RB	1	RB	1	1	0	12.323174	BL
68	143	580-33414-d-32-a	1	U	1	1	17410	101.426582	
69	144	580-33414-d-34-a	1	U	1	1	18447	106.735039	
70	145	580-33414-d-36-a	1	U	1	1	12193	74.726196	

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
71	146	580-33446-a-2-a	1	U	1	1	37460	204.054596	
72	147	580-33446-a-4-a	1	U	1	1	10317	65.124191	
73	148	580-33446-a-6-a	1	U	1	1	11777	72.597588	
74	149	MB	1	U	1	1	-221	11.194546	
75	106	LCS	1	U	1	1	982238	5051.357910	
76	106	LCSD	1	U	1	1	981899	5049.613770	
77	150	280-30549-c-1	1	U	100	1	1691419	870462.500000	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
79	0	RINSE	1	U	1	1	-907	7.681840	
80	106	5000 PPB CCV	1	CCV	1	1	975218	5015.256836	
81	105	CCV 1000PPB	1	CCV	1	1	194941	1010.472473	
82	0	CCB	1	U	1	1	539	15.083058	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
84	151	280-30553-b-1	1	U	1	1	15711	92.734566	
85	152	280-30553-b-1 MS	1	U	1	1	328720	1696.009644	
86	153	280-30553-b-1 MSD	1	U	1	1	324511	1674.436401	
87	154	280-30553-b-2	1	U	1	1	15405	91.165062	
88	155	280-30553-b-3	1	U	1	1	59882	318.832062	
89	156	280-30553-b-3 MS	1	U	1	1	307033	1584.846802	
90	157	280-30553-b-3 MSD	1	U	1	1	287837	1486.462891	
91	158	280-30553-b-4	1	U	1	1	60909	324.089691	
92	159	280-30553-b-5	1	U	1	1	43567	235.312927	
93	160	280-30553-b-6	1	U	1	1	15787	93.119865	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
95	0	RINSE	1	U	1	1	-16	12.242318	
96	106	5000 PPB CCV	1	CCV	1	1	1003438	5160.383301	
97	105	CCV 1000PPB	1	CCV	1	1	190317	986.789124	
98	0	CCB	1	U	1	1	606	15.423573	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
100	201	280-30610-e-1X	1	U	100	1	7627	5135.691895	
101	202	280-30610-e-2X	1	U	100	1	4988	3784.938721	
102	203	280-30612-g-1	1	U	50	1	1505501	387283.406250	
103	204	280-30632-f-1	1	U	1	1	24920	139.865631	
104	205	280-30632-f-2	1	U	1	1	38570	209.735168	
105	206	280-30635-f-1	1	U	1	1	8631	56.495525	
106	207	280-30635-g-2	1	U	1	1	86971	457.521881	
107	208	280-30635-g-3	1	U	1	1	207304	1073.809937	
108	209	280-30635-g-4	1	U	1	1	4818	36.979351	
109	210	280-30635-g-5	1	U	1	1	5318	39.539215	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
111	0	RINSE	1	U	1	1	20	12.424901	
112	106	5000 PPB CCV	1	CCV	1	1	1025380	5273.235352	
113	105	CCV 1000PPB	1	CCV	1	1	189655	983.396667	
114	0	CCB	1	U	1	1	619	15.492845	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
116	0	RINSE	1	U	1	1	-72	11.954439	
117	211	280-30635-g-6	1	U	1	1	4921	37.510342	
118	106	LCS	1	U	1	1	1032313	5308.900391	
119	106	LCSD	1	U	1	1	1035930	5327.501953	
120	212	MB	1	U	1	1	2456	24.890772	
121	213	280-30635-f-7	1	U	1	1	10355	65.319733	
122	214	280-30635-f-7 MS	1	U	1	1	605618	3116.371826	
123	215	280-30635-f-7 MSD	1	U	1	1	628049	3231.519287	
124	216	280-30635-f-8	1	U	1	1	4735	36.555073	
125	217	280-30635-g-9	1	U	1	1	9750	62.224213	
126	218	280-30635-g-10	1	U	1	1	22594	127.959610	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
128	0	RINSE	1	U	1	1	-30	12.170245	
129	106	5000 PPB CCV	1	CCV	1	1	1038340	5339.902344	
130	105	CCV 1000PPB	1	CCV	1	1	191278	991.707275	
131	0	CCB	1	U	1	1	331	14.015435	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
133	0	RINSE	1	U	1	1	-70	11.967436	
134	219	280-30235-g-1	1	U	1	1	10287	64.969742	
135	220	280-30235-g-1 MS	1	U	1	1	618048	3180.180420	
136	221	280-30235-g-1 MSD	1	U	1	1	616136	3170.364990	
137	222	280-30235-c-2	1	U	1	1	23515	132.678268	
138	223	280-30235-c-3	1	U	1	1	9794	62.450439	
139	224	280-30235-c-4	1	U	1	1	155194	806.882263	
140	225	280-30235-c-5	1	U	1	1	12158	74.545212	
141	226	280-30235-c-6	1	U	1	1	21050	120.058914	
142	227	280-30235-c-7	1	U	1	1	128913	672.285645	
143	228	280-30235-c-8	1	U	1	1	136576	711.527771	
B	0	READ	1	RB	1	1	0	12.323174	BL
145	0	RINSE	1	U	1	1	-26	12.188514	

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
146	106	5000 PPB CCV	1	CCV	1	1	1051973	5410.028809	
147	105	CCV 1000PPB	1	CCV	1	1	189903	984.666260	
148	0	CCB	1	U	1	1	605	15.421069	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
150	0	RINSE	1	U	1	1	-196	11.321822	
151	229	280-30235-c-9	1	U	1	1	11932	73.391296	
152	230	280-30456-c-1X	1	U	100	1	2963147	1528742.125000	HI
153	231	280-30456-c-2X	1	U	100	1	3605756	1862918.000000	HI
154	232	280-30456-c-3X	1	U	100	1	3431489	1772191.625000	HI
155	233	280-30456-c-4X	1	U	100	1	3849910	1990157.000000	HI
156	234	280-30456-c-5X	1	U	100	1	2331628	1201344.000000	HI
157	235	280-30456-c-6	1	U	100	1	1289584	663306.437500	FL
158	236	280-30549-c-2	1	U	100	1	1797606	925272.250000	
159	237	280-30549-c-3	1	U	100	1	1023070	526135.500000	
160	238	280-30490-b-2-a	1	U	10	1	574112	29546.656250	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
162	0	RINSE	1	U	1	1	-588	9.315142	
163	106	5000 PPB CCV	1	CCV	1	1	976044	5019.503418	
164	105	CCV 1000PPB	1	CCV	1	1	191593	993.322144	
165	0	CCB	1	U	1	1	794	16.384655	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
167	0	RINSE	1	U	1	1	-394	10.308963	
168	239	280-30490-b-3-a	1	U	10	1	602705	31014.228516	
169	240	280-30376-E-1	1	U	10	1	944495	48572.816406	
170	241	280-30376-E-2	1	U	10	1	943874	48540.878906	
171	242	280-30456-C-5	1	U	200	1	1069968	1100520.375000	
172	243	280-30610-E-1	1	U	1	1	399857	2060.729492	
173	244	280-30610-E-2	1	U	1	1	12204	74.783997	
174	245	280-30456-C-1	1	U	200	1	1375931	1415573.000000	
175	246	280-30456-C-2	1	U	200	1	1715270	1765542.250000	
176	247	280-30456-C-3	1	U	200	1	1607774	1654616.375000	
177	248	280-30456-C-4X	1	U	200	1	1959180	2017449.750000	HI
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL
179	0	RINSE	1	U	1	1	-1267	5.837093	
180	106	5000 PPB CCV	1	CCV	1	1	965184	4963.661621	
181	105	CCV 1000PPB	1	CCV	1	1	195929	1015.535095	
182	0	CCB	1	U	1	1	806	16.450640	
B	0	READ BASELINE	1	RB	1	1	0	12.323174	BL

Ammonia:Calibration 1: Peak 5-186

File name: C:\FLOW_4\0702NXNX.RST
Date: 02-Jul-12
Operator: BQW

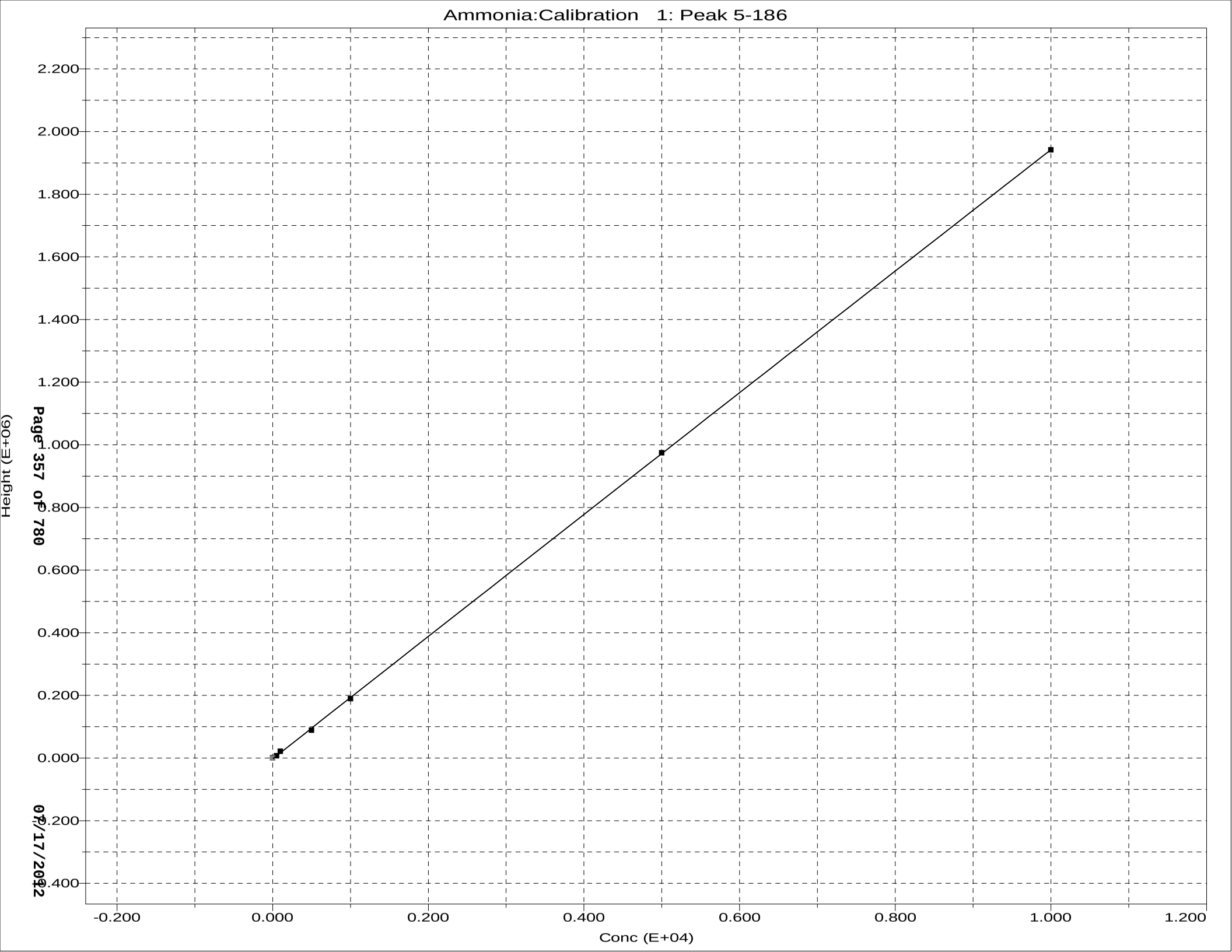
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*	Cal 0.00 ppb	0.000000	1173.967163
*	Cal 50.0 ppb	50.000000	7214.122070
*	Cal 100 ppb	100.000000	21744.314453
*	Cal 500 ppb	500.000000	89082.382812
*	Cal 1000 ppb	1000.000000	189425.015625
*	Cal 5000 ppb	5000.000000	974338.187500
*	Cal 10000 ppb	10000.000000	1941818.375000

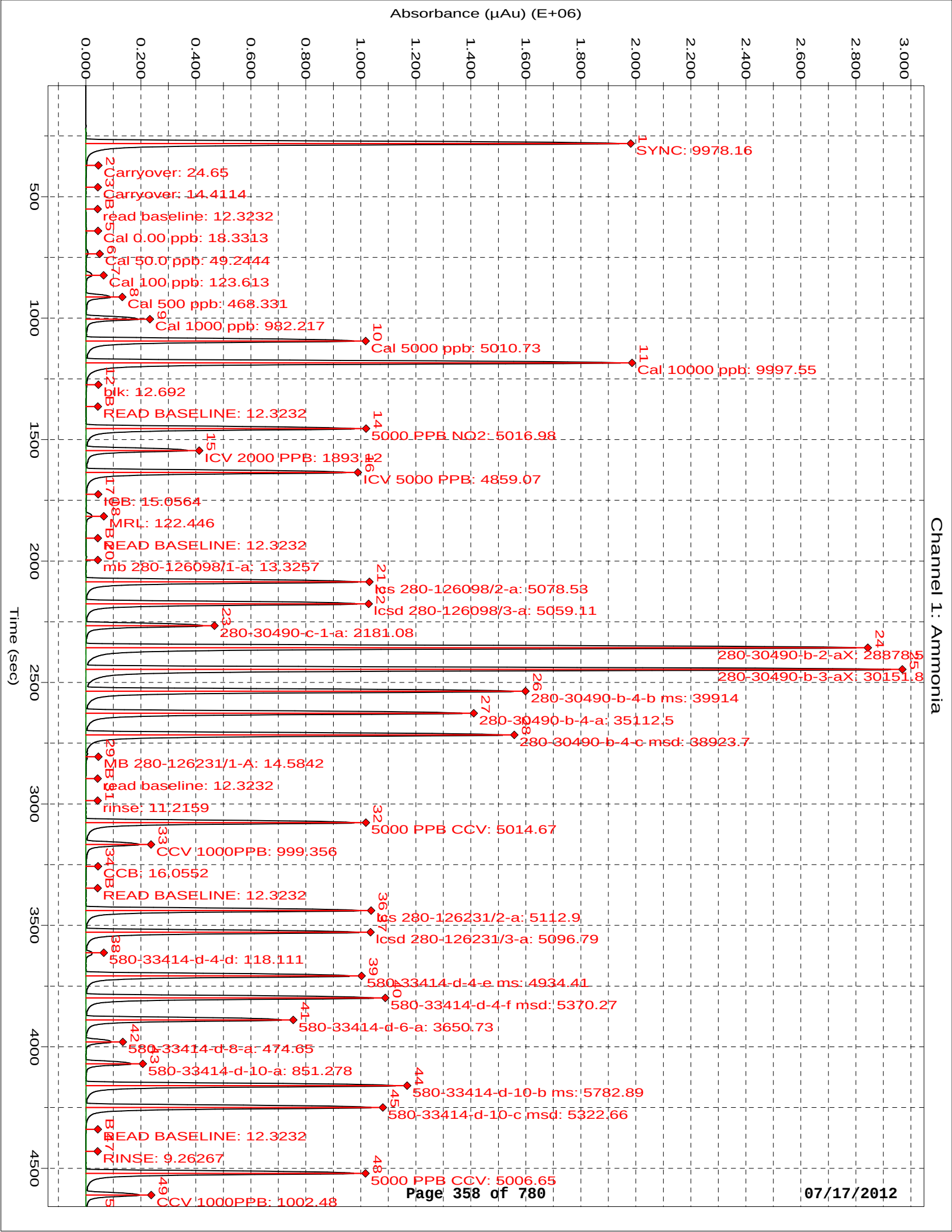
Calib Coef:
x=cyy+by+a
a: (intercept) 1.2323e+01
b: 5.1178e-03
c: 1.2555e-11

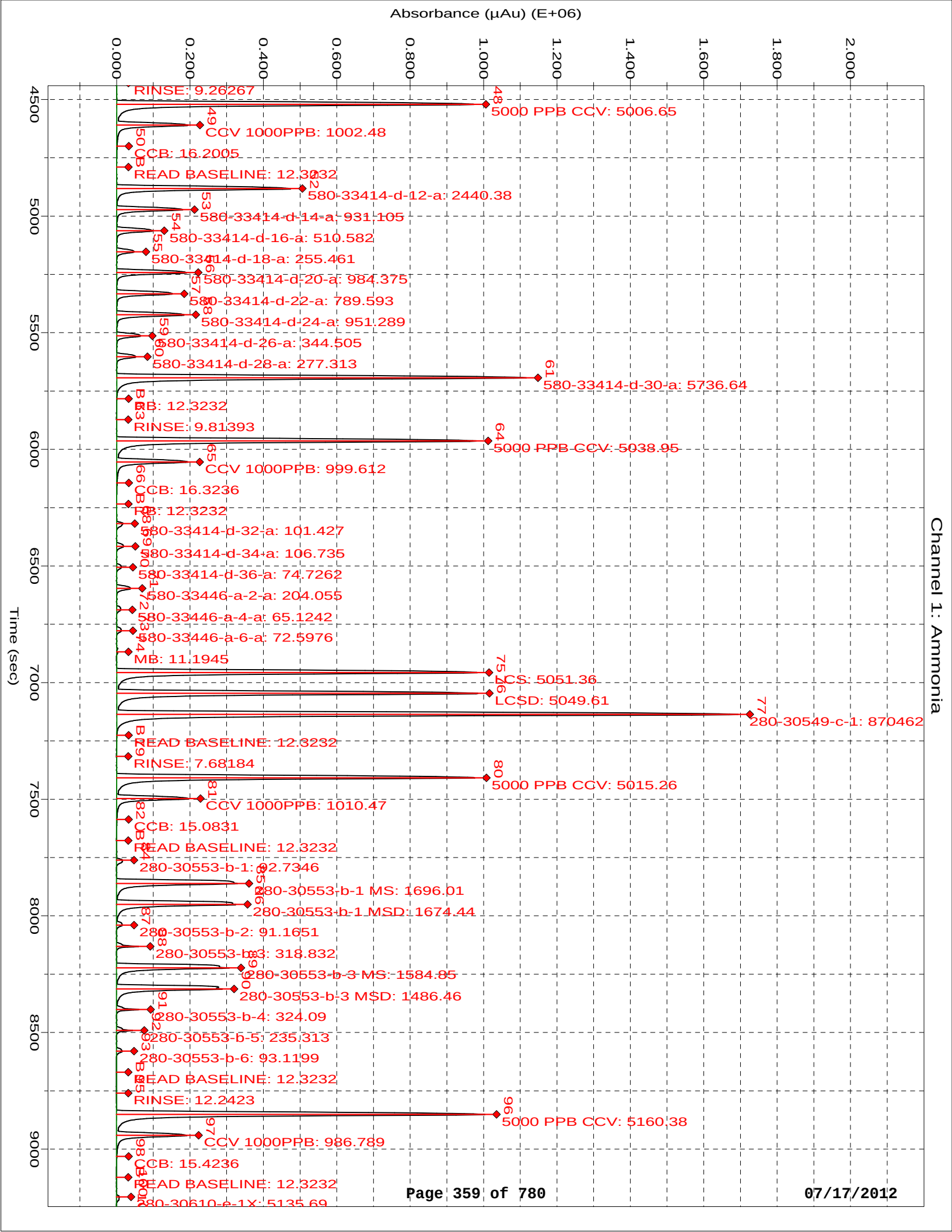
Corr Coef: 0.999987

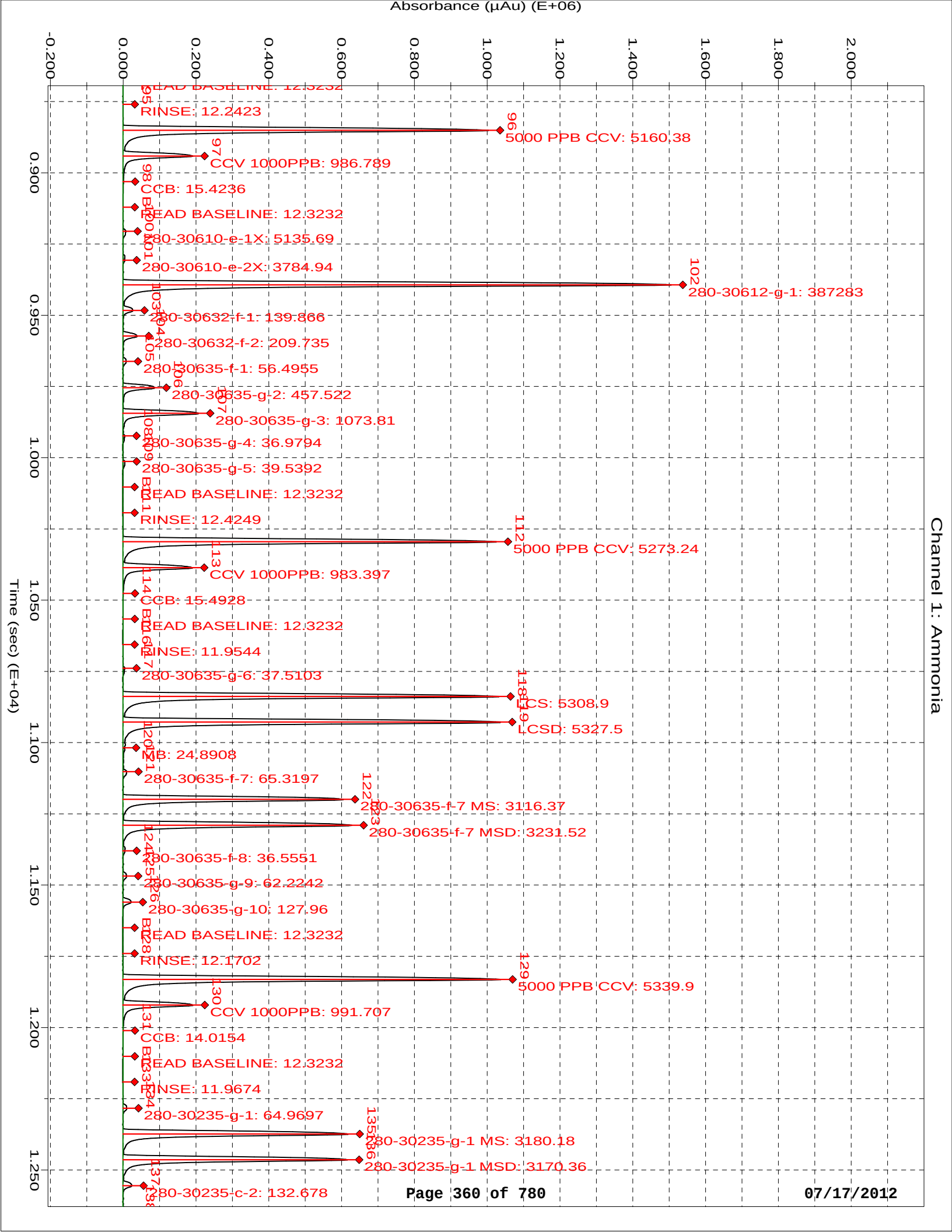
Carryover: 0.124%

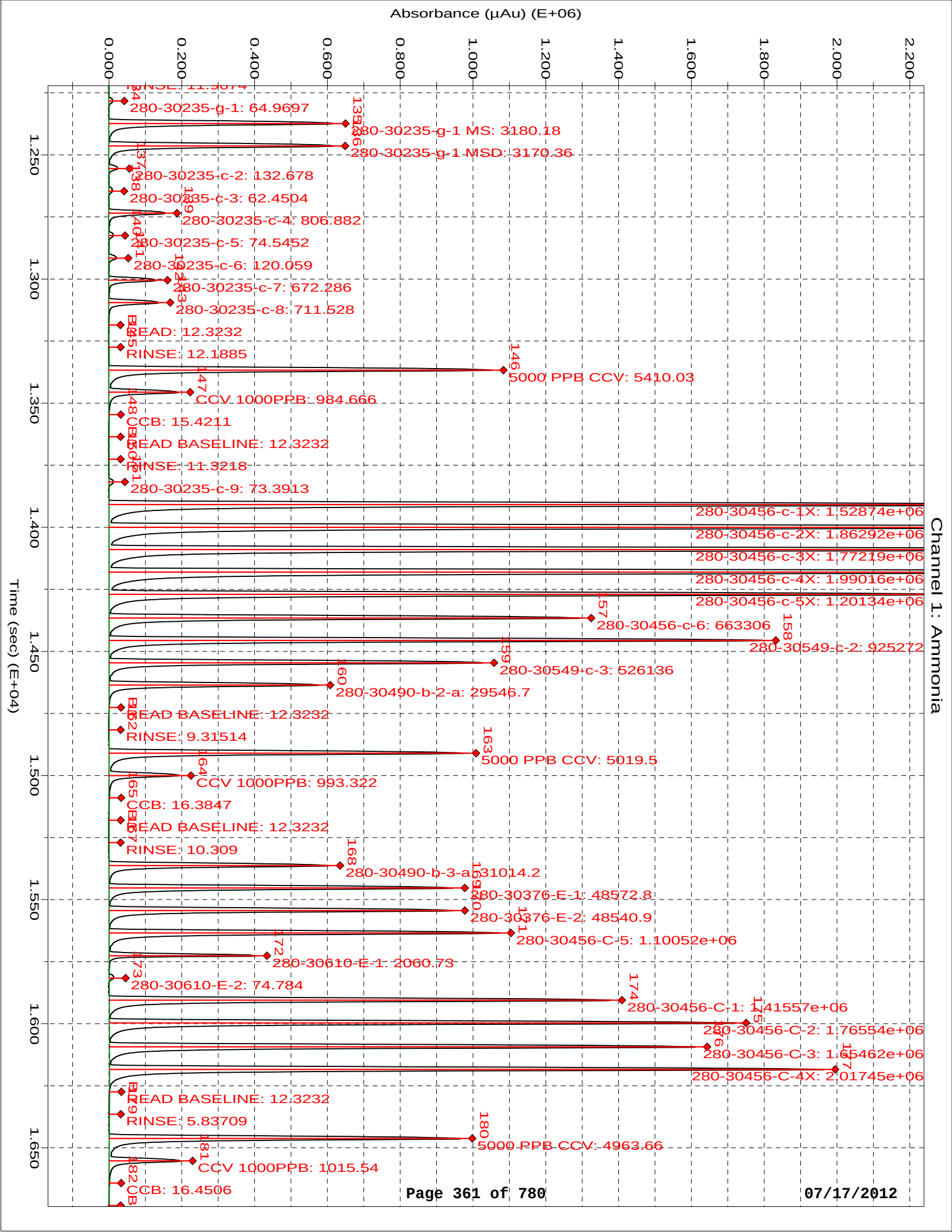
No Drift Peaks


Ammonia:Calibration 1: Peak 5-186
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
Height (E+06)
-0.200
0.000
0.200
0.400
0.600
0.800
1.000
1.200
Conc (E+04)


Absorbance (µAu) (E+06)
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
2.200
2.400
2.600
2.800
3.000
Time (sec)
500
1000
1500
2000
2500
3000
3500
4000
4500
Channel 1: Ammonia
1 SYNC: 9978.16
2 Carryover: 24.65
3 Carryover: 14.4114
BB 4 read baseline: 12.3232
5 Cal 0.00 ppb: 18.3313
6 Cal 50.0 ppb: 49.2444
7 Cal 100 ppb: 123.613
8 Cal 500 ppb: 468.331
9 Cal 1000 ppb: 982.217
10 Cal 5000 ppb: 5010.73
11 Cal 10000 ppb: 9997.55
12 blk: 12.692
BB READ BASELINE: 12.3232
14 5000 PPB NO2: 5016.98
15 ICV 2000 PPB: 1893.42
16 ICV 5000 PPB: 4859.07
17 ICB: 15.0564
18 MRL: 122.446
BB READ BASELINE: 12.3232
20 mb 280-126098/1-a: 13.3257
21 lcs 280-126098/2-a: 5078.53
22 lcsd 280-126098/3-a: 5059.11
23 280-30490-c-1-a: 2181.08
24 280-30490-b-2-aX: 28878.5
25 280-30490-b-3-aX: 30151.8
26 280-30490-b-4-b ms: 39914
27 280-30490-b-4-a: 35112.5
28 280-30490-b-4-c msd: 38923.7
29 MB 280-126231/1-A: 14.5842
BB 31 read baseline: 12.3232
rinse: 11.2159
32 5000 PPB CCV: 5014.67
33 CCV 1000PPB: 999.356
34 CCB: 16.0552
BB READ BASELINE: 12.3232
36 lcs 280-126231/2-a: 5112.9
37 lcsd 280-126231/3-a: 5096.79
38 580-33414-d-4-d: 118.111
39 580-33414-d-4-e ms: 4934.41
40 580-33414-d-4-f msd: 5370.27
41 580-33414-d-6-a: 3650.73
42 580-33414-d-8-a: 474.65
43 580-33414-d-10-a: 851.278
44 580-33414-d-10-b ms: 5782.89
45 580-33414-d-10-c msd: 5322.66
BB 47 READ BASELINE: 12.3232
RINSE: 9.26267
48 5000 PPB CCV: 5006.65
49 CCV 1000PPB: 1002.48


Absorbance (µAu) (E+06)
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
Time (sec)
4500
5000
5500
6000
6500
7000
7500
8000
8500
9000
Channel 1: Ammonia
RINSE: 9.26267
48
5000 PPB CCV: 5006.65
49
CCV 1000PPB: 1002.48
50
CCB: 16.2005
51
READ BASELINE: 12.3232
52
580-33414-d-12-a: 2440.38
53
580-33414-d-14-a: 931.105
54
580-33414-d-16-a: 510.582
55
580-33414-d-18-a: 255.461
56
580-33414-d-20-a: 984.375
57
580-33414-d-22-a: 789.593
58
580-33414-d-24-a: 951.289
59
580-33414-d-26-a: 344.505
60
580-33414-d-28-a: 277.313
61
580-33414-d-30-a: 5736.64
62
MB: 12.3232
63
RINSE: 9.81393
64
5000 PPB CCV: 5038.95
65
CCV 1000PPB: 999.612
66
CCB: 16.3236
67
MB: 12.3232
68
580-33414-d-32-a: 101.427
69
580-33414-d-34-a: 106.735
70
580-33414-d-36-a: 74.7262
71
580-33446-a-2-a: 204.055
72
580-33446-a-4-a: 65.1242
73
580-33446-a-6-a: 72.5976
74
MB: 11.1945
75
LCS: 5051.36
76
LCSD: 5049.61
77
280-30549-c-1: 870462
78
READ BASELINE: 12.3232
79
RINSE: 7.68184
80
5000 PPB CCV: 5015.26
81
CCV 1000PPB: 1010.47
82
CCB: 15.0831
83
READ BASELINE: 12.3232
84
280-30553-b-1: 92.7346
85
280-30553-b-1 MS: 1696.01
86
280-30553-b-1 MSD: 1674.44
87
280-30553-b-2: 91.1651
88
280-30553-b-3: 318.832
89
280-30553-b-3 MS: 1584.85
90
280-30553-b-3 MSD: 1486.46
91
280-30553-b-4: 324.09
92
280-30553-b-5: 235.313
93
280-30553-b-6: 93.1199
94
READ BASELINE: 12.3232
95
RINSE: 12.2423
96
5000 PPB CCV: 5160.38
97
CCV 1000PPB: 986.789
98
CCB: 15.4236
99
READ BASELINE: 12.3232
100
280-30610-e-1X: 5135.69


Absorbance (µAu) (E+06)
-0.200
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
Time (sec) (E+04)
0.900
0.950
1.000
1.050
1.100
1.150
1.200
1.250
Channel 1: Ammonia
95 RINSE: 12.2423
96 5000 PPB CCV: 5160.38
97 CCV 1000PPB: 986.789
98 CCB: 15.4236
99 BEAD BASELINE: 12.3232
100 280-30610-e-1X: 5135.69
101 280-30610-e-2X: 3784.94
102 280-30612-g-1: 387283
103 280-30632-f-1: 139.866
104 280-30632-f-2: 209.735
105 280-30635-f-1: 56.4955
106 280-30635-g-2: 457.522
107 280-30635-g-3: 1073.81
108 280-30635-g-4: 36.9794
109 280-30635-g-5: 39.5392
110 BEAD BASELINE: 12.3232
111 RINSE: 12.4249
112 5000 PPB CCV: 5273.24
113 CCV 1000PPB: 983.397
114 CCB: 15.4928
115 BEAD BASELINE: 12.3232
116 RINSE: 11.9544
117 280-30635-g-6: 37.5103
118 LCS: 5308.9
119 LCSD: 5327.5
120 MB: 24.8908
121 280-30635-f-7: 65.3197
122 280-30635-f-7 MS: 3116.37
123 280-30635-f-7 MSD: 3231.52
124 280-30635-f-8: 36.5551
125 280-30635-g-9: 62.2242
126 280-30635-g-10: 127.96
127 BEAD BASELINE: 12.3232
128 RINSE: 12.1702
129 5000 PPB CCV: 5339.9
130 CCV 1000PPB: 991.707
131 CCB: 14.0154
132 BEAD BASELINE: 12.3232
133 RINSE: 11.9674
134 280-30235-g-1: 64.9697
135 280-30235-g-1 MS: 3180.18
136 280-30235-g-1 MSD: 3170.36
137 280-30235-c-2: 132.678


Absorbance (µAu) (E+06)
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
2.200
Time (sec) (E+04)
1.250
1.300
1.350
1.400
1.450
1.500
1.550
1.600
1.650
Channel 1: Ammonia
280-30235-g-1: 64.9697
280-30235-g-1 MS: 3180.18
280-30235-g-1 MSD: 3170.36
280-30235-c-2: 132.678
280-30235-c-3: 62.4504
280-30235-c-4: 806.882
280-30235-c-5: 74.5452
280-30235-c-6: 120.059
280-30235-c-7: 672.286
280-30235-c-8: 711.528
BLEAD: 12.3232
RINSE: 12.1885
5000 PPB CCV: 5410.03
CCV 1000PPB: 984.666
CCB: 15.4211
BLEAD BASELINE: 12.3232
RINSE: 11.3218
280-30235-c-9: 73.3913
280-30456-c-1X: 1.52874e+06
280-30456-c-2X: 1.86292e+06
280-30456-c-3X: 1.77219e+06
280-30456-c-4X: 1.99016e+06
280-30456-c-5X: 1.20134e+06
280-30456-c-6: 663306
280-30549-c-2: 925272
280-30549-c-3: 526136
280-30490-b-2-a: 29546.7
BLEAD BASELINE: 12.3232
RINSE: 9.31514
5000 PPB CCV: 5019.5
CCV 1000PPB: 993.322
CCB: 16.3847
BLEAD BASELINE: 12.3232
RINSE: 10.309
280-30490-b-3-a: 31014.2
280-30376-E-1: 48572.8
280-30376-E-2: 48540.9
280-30456-C-5: 1.10052e+06
280-30610-E-1: 2060.73
280-30610-E-2: 74.784
280-30456-C-1: 1.41557e+06
280-30456-C-2: 1.76554e+06
280-30456-C-3: 1.65462e+06
280-30456-C-4X: 2.01745e+06
BLEAD BASELINE: 12.3232
RINSE: 5.83709
5000 PPB CCV: 4963.66
CCV 1000PPB: 1015.54
CCB: 16.4506

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TKN/351.2 **SOP #** DY-WC-0026

Instrument: ASTORIA **Analyst:** MWOOLLEY **Analysis Date:** 7/11/2012

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30235 1-9	WATER	127378	127390	351.2	QY
580-33764-1	↓	↓	↓	↓	N/A

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	/			/
2. Correlation coefficient ≥ 0.995 ?	/			/
3. Second-source ICV analyzed, and recovery within acceptance limits?	/			/
4. ICB analyzed immediately after the ICV & results < the RL	/			/
5. CCV analyzed after every ten samples & recovery within acceptance limits?	/			/
6. CCB analyzed after every CCV & results < RL?	/			/
7. Absolute value of the intercept is < ± ½ the RL?	/			/
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?			/	/
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?			/	/
3. All reported results bracketed by in control CCV results?	/			/
4. Sample analyses done within holding time?	/			/
5. Initial pH check documented for all samples? (If Applicable)	/			/
6. Preparation benchsheet completed and included in package?	/			/
7. Client requirements reviewed and met?	/			/
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			/	/
9. Do the prep and analysis dates in TALS reflect the actual dates?	/			/
11. Raw data copies prepared, scanned, and uploaded?	/			/
12. Manual integrations done properly and initialed and dated?			/	/
13. STD/True Value information is updated and included?	/			/
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	/			/
2. Method blank < ½ RL or NCM provided?	/			/
3. LCS/LCSD run for batch and within QC limits?	/			/
4. MS/MSD run at required frequency and within limits or NCM written?	/			/
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			/	/

Analyst: [signature] **Date:** 7/11/2012

2nd Level Reviewer : [signature] **Date:** 7/12/12

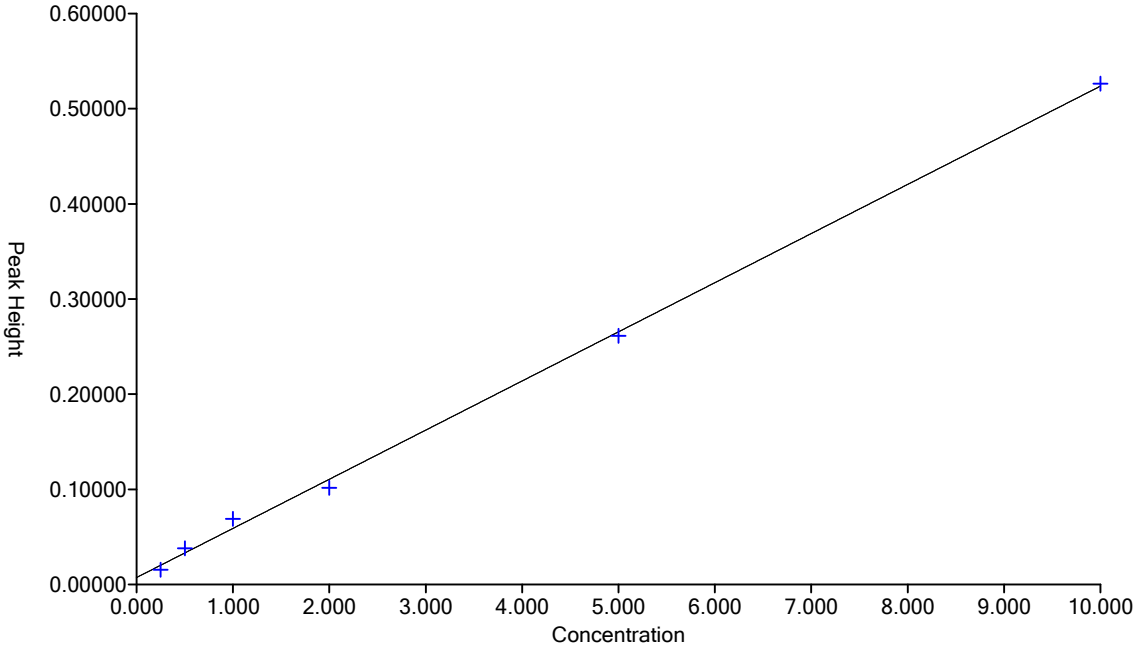
Run Name: 071112TKN
Configuration: TKN
Run date: 7/11/2012

Analyst:
ICV/CCV TV:
LCS/MS TV:

Astoria
TKN
351.2

	Positi	Identifier	Type	Comme	Date	Time	Total	TKN Cor Ht	TKN mg/l
1	1:1	SYNC	SYNC	50;351.	7/11/2012	9:44:52 F	1	0.52350	9.997
2	1:2	CO	Carry over		7/11/2012	9:45:22 F	1	0.00076	-0.125
3	1:3	w	Blank		7/11/2012	9:46:37 F	1	0.00076	-0.125
4	1:4	W	Wash		7/11/2012	9:47:53 F	1	0.00000	-0.140
5	1:5	C1	Calibrant		7/11/2012	9:49:08 F	1	0.01544	0.159
6	1:6	C2	Calibrant		7/11/2012	9:50:23 F	1	0.03796	0.595
7	1:7	C3	Calibrant		7/11/2012	9:51:39 F	1	0.06906	1.197
8	1:8	C4	Calibrant		7/11/2012	9:52:54 F	1	0.10140	1.824
9	1:9	C5	Calibrant		7/11/2012	9:54:09 F	1	0.26144	4.922
10	1:10	C6	Calibrant		7/11/2012	9:55:25 F	1	0.52636	10.052
		Curve #:							1
		Curve Type:							Linear
		Correlation:							0.99933
		Intercept:							0.0072137
		Linear coef:							0.051647

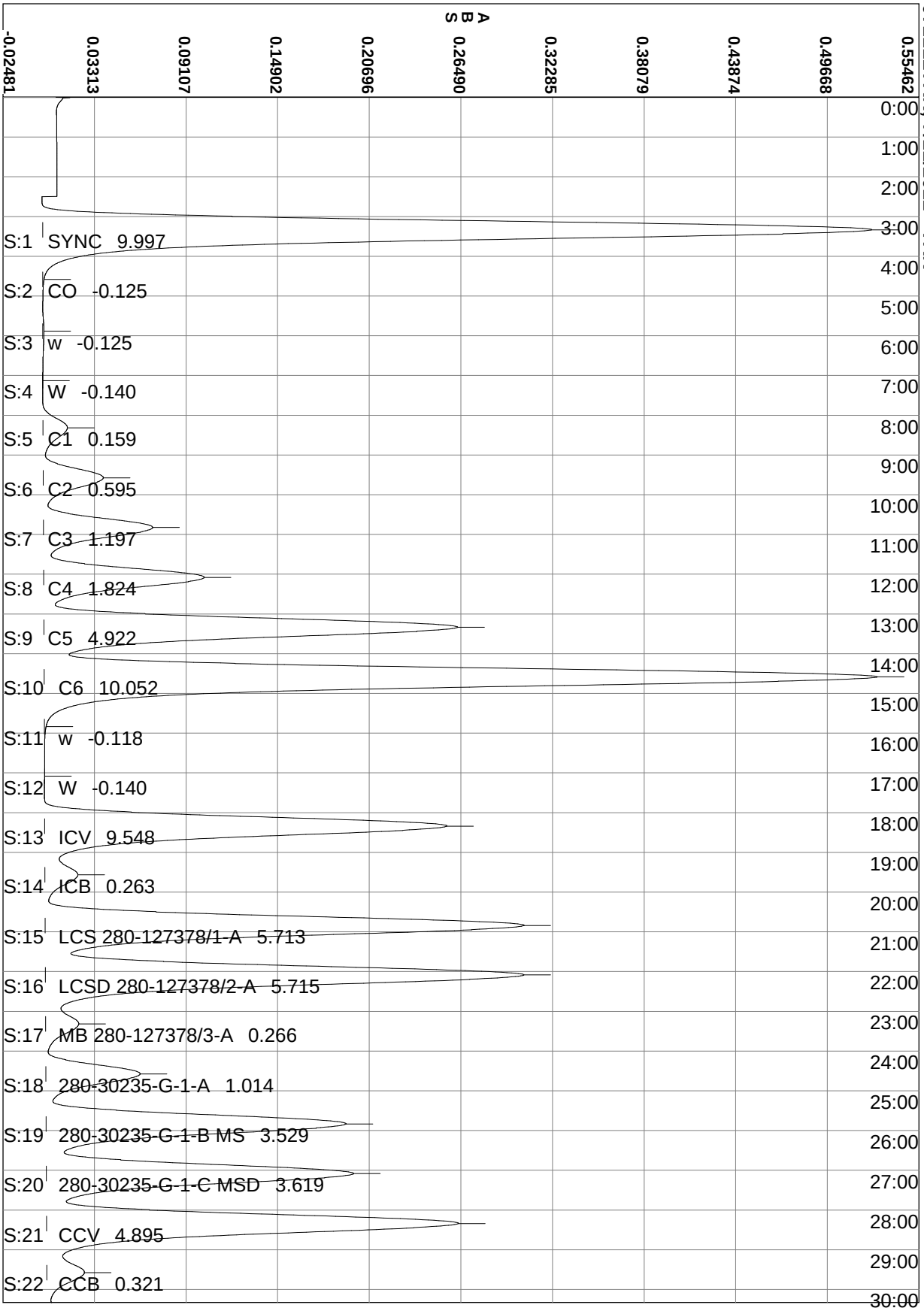
Calibration for TKN

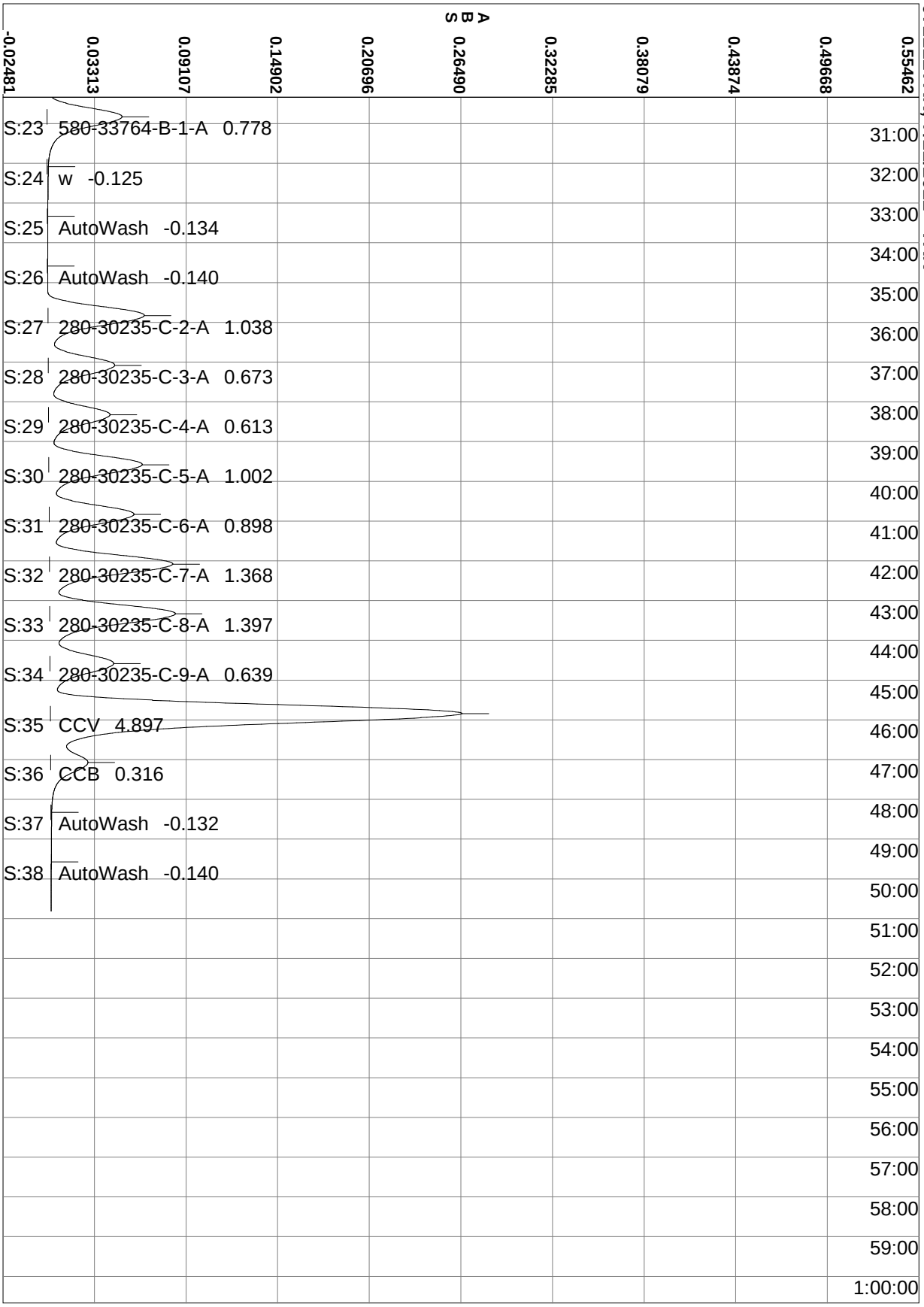


Segment 1: Equation: y = 0.05165x + 0.007214 X Range = 0.000 to 10.000
Correlation: 0.9993 Y Range = 0.00000 to 7.20000

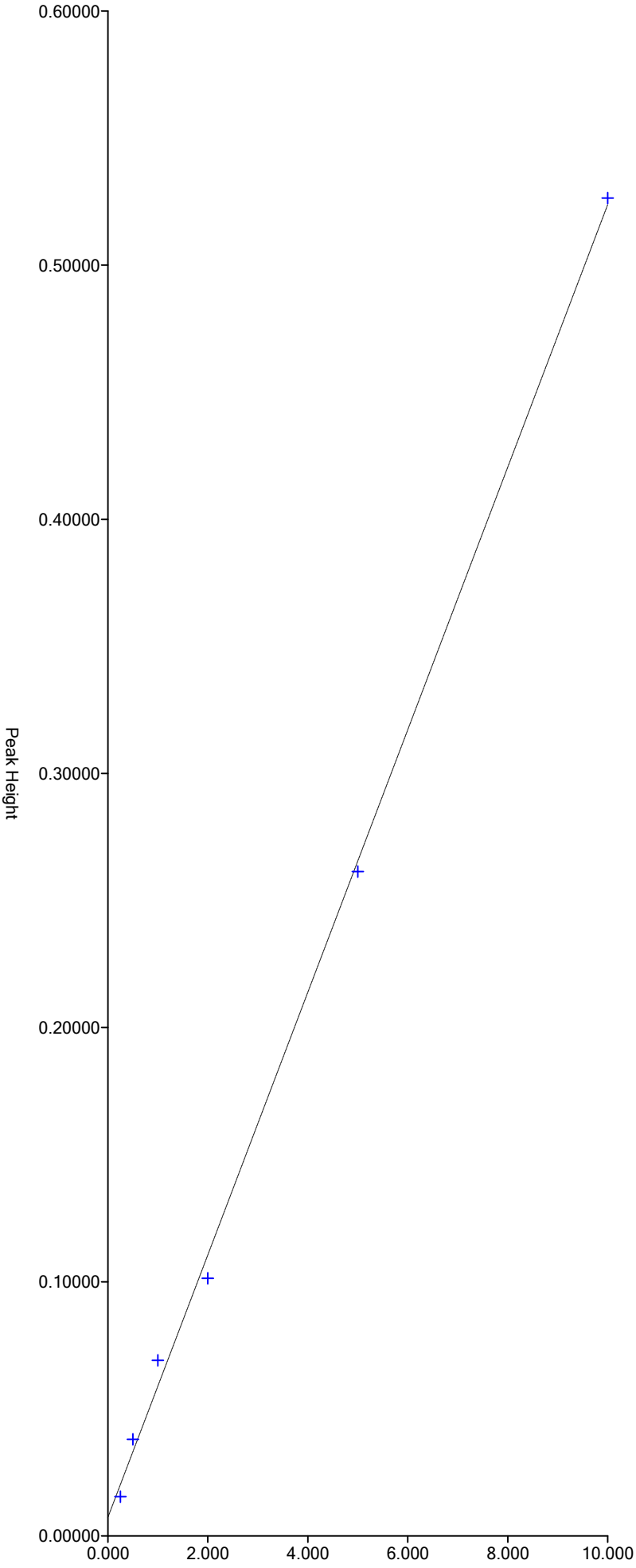
	Positi	Identifier	Type	Comme	Date	Time	Total	TKN Cor Ht	TKN mg/l
11	1:13	w	Blank		7/11/2012	9:56:40 F	1	0.00110	-0.118
12	1:14	W	Wash		7/11/2012	9:57:55 F	1	0.00000	-0.140
13	1:15	ICV	ICV		7/11/2012	9:59:10 F	2	0.25377	9.548
14	1:16	ICB	ICB		7/11/2012	10:00:26	1	0.02077	0.263
15	1:17	LCS 280-127378/1-A	Unknown		7/11/2012	10:01:41	1	0.30225	5.713

	›siti	Identifier	Type	Comme	Date	Time	Total	TKN Cor Ht	TKN mg/l
16	1:18	LCSD 280-127378/2-A	Unknown		7/11/2012	10:02:56	1	0.30235	5.715
17	1:19	MB 280-127378/3-A	Unknown		7/11/2012	10:04:12	1	0.02095	0.266
18	1:20	280-30235-G-1-A	Unknown		7/11/2012	10:05:27	1	0.05956	1.014
19	1:21	280-30235-G-1-B MS	Unknown		7/11/2012	10:06:42	1	0.18947	3.529
20	1:22	280-30235-G-1-C MSI	Unknown		7/11/2012	10:07:58	1	0.19414	3.619
21	1:23	CCV	CCV		7/11/2012	10:09:13	1	0.26004	4.895
22	1:24	CCB	CCB		7/11/2012	10:10:28	1	0.02381	0.321
23	1:25	580-33764-B-1-A	Unknown		7/11/2012	10:11:44	1	0.04742	0.778
24	1:26	w	Blank		7/11/2012	10:12:59	1	0.00074	-0.125
25	0	AutoWash	AutoWash		7/11/2012	10:14:15	1	0.00029	-0.134
26	0	AutoWash	AutoWash		7/11/2012	10:15:30	1	0.00000	-0.140
27	1:27	280-30235-C-2-A	Unknown		7/11/2012	10:16:46	1	0.06083	1.038
28	1:28	280-30235-C-3-A	Unknown		7/11/2012	10:18:01	1	0.04199	0.673
29	1:29	280-30235-C-4-A	Unknown		7/11/2012	10:19:16	1	0.03886	0.613
30	1:30	280-30235-C-5-A	Unknown		7/11/2012	10:20:31	1	0.05896	1.002
31	1:31	280-30235-C-6-A	Unknown		7/11/2012	10:21:47	1	0.05357	0.898
32	1:32	280-30235-C-7-A	Unknown		7/11/2012	10:23:02	1	0.07789	1.368
33	1:33	280-30235-C-8-A	Unknown		7/11/2012	10:24:17	1	0.07935	1.397
34	1:34	280-30235-C-9-A	Unknown		7/11/2012	10:25:33	1	0.04020	0.639
35	1:35	CCV	CCV		7/11/2012	10:26:48	1	0.26010	4.897
36	1:36	CCB	CCB		7/11/2012	10:28:03	1	0.02355	0.316
37	0	AutoWash	AutoWash		7/11/2012	10:29:19	1	0.00042	-0.132
38	0	AutoWash	AutoWash		7/11/2012	10:30:34	1	0.00000	-0.140
39	1:37	w	Blank		7/11/2012	10:31:49	1	???	???
40	1:38	w	Blank		7/11/2012	10:33:05	1	???	???
41	0	AutoWash	AutoWash		7/11/2012	10:34:20	1	???	???
42	0	AutoWash	AutoWash		7/11/2012	10:35:35	1	???	???


071112TKN, 7/11/2012 - TKN
ABS
-0.02481
0.03313
0.09107
0.14902
0.20696
0.26490
0.32285
0.38079
0.43874
0.49668
0.55462
0:00
1:00
2:00
3:00
4:00
5:00
6:00
7:00
8:00
9:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
24:00
25:00
26:00
27:00
28:00
29:00
30:00
S:1 SYNC 9.997
S:2 CO -0.125
S:3 w -0.125
S:4 W -0.140
S:5 C1 0.159
S:6 C2 0.595
S:7 C3 1.197
S:8 C4 1.824
S:9 C5 4.922
S:10 C6 10.052
S:11 w -0.118
S:12 W -0.140
S:13 ICV 9.548
S:14 ICB 0.263
S:15 LCS 280-127378/1-A 5.713
S:16 LCSD 280-127378/2-A 5.715
S:17 MB 280-127378/3-A 0.266
S:18 280-30235-G-1-A 1.014
S:19 280-30235-G-1-B MS 3.529
S:20 280-30235-G-1-C MSD 3.619
S:21 CCV 4.895
S:22 CCB 0.321


071112TKN, 7/11/2012 - TKN
ABS
-0.02481
0.03313
0.09107
0.14902
0.20696
0.26490
0.32285
0.38079
0.43874
0.49668
0.55462
S:23 580-33764-B-1-A 0.778
S:24 w -0.125
S:25 AutoWash -0.134
S:26 AutoWash -0.140
S:27 280-30235-C-2-A 1.038
S:28 280-30235-C-3-A 0.673
S:29 280-30235-C-4-A 0.613
S:30 280-30235-C-5-A 1.002
S:31 280-30235-C-6-A 0.898
S:32 280-30235-C-7-A 1.368
S:33 280-30235-C-8-A 1.397
S:34 280-30235-C-9-A 0.639
S:35 CCV 4.897
S:36 CCB 0.316
S:37 AutoWash -0.132
S:38 AutoWash -0.140
31:00
32:00
33:00
34:00
35:00
36:00
37:00
38:00
39:00
40:00
41:00
42:00
43:00
44:00
45:00
46:00
47:00
48:00
49:00
50:00
51:00
52:00
53:00
54:00
55:00
56:00
57:00
58:00
59:00
1:00:00

Calibration for TKN



Segment 1: Equation: y = 0.05165x + 0.007214
Correlation: 0.9993
X Range = 0.000 to 10.000
Y Range = 0.00000 to 7.20000

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: COD 410.4 **SOP #** DV-WC-0018

Instrument: HACH Spec **Analyst:** M. Fayard **Analysis Date:** 6/16/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30117-1	Water	NA	124298	410.4	NA
280-30007-1					
280-29966-6					
280-29975-1					
280-29988-1					
280-30081-1-5					
280-30093-1					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			–
2. Correlation coefficient ≥ 0.995 ?	✓			–
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			–
4. ICB analyzed immediately after the ICV & results < the RL	✓			–
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			–
6. CCB analyzed after every CCV & results < RL?	✓			–
7. Absolute value of the intercept is < ± ½ the RL?			✓	–
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			–
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			–
3. All reported results bracketed by in control CCV results?	✓			–
4. Sample analyses done within holding time?	✓			–
5. Initial pH check documented for all samples? (If Applicable)	✓			
6. Preparation benchsheet completed and included in package?			✓	–
7. Client requirements reviewed and met?	✓			–
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	–
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			–
11. Raw data copies prepared, scanned, and uploaded?	✓			–
12. Manual integrations done properly and initialed and dated?			✓	–
13. STD/True Value information is updated and included?	✓			–
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			–
2. Method blank < ½ RL or NCM provided?	✓			–
3. LCS/LCSD run for batch and within QC limits?	✓			–
4. MS/MSD run at required frequency and within limits or NCM written?	✓			–
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	–

Analyst: [signature] **Date:** 6/19/12

2nd Level Reviewer : [signature] **Date:** 6.20.12

Test Name/ Method #: COD 410.4 **SOP #** DV-WC-0018

Instrument: HACH SPEC **Analyst:** M. FAYARD **Analysis Date:** 6/16/12

Lot / Sample Numbers	Matrix	Batch	Method	Special Inst
280-30116-1	Water	124298	410.4	NA
280-29669-9, 19, 32, 42	↓	↓	↓	DOE
280-29669-52462				DOE

NA 6/19/12

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: COD - 410.4 **SOP #** DV-WC-0018

Instrument: HACH SPEC **Analyst:** M. FAYARD **Analysis Date:** 6/21/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30151-1	Water	NA	124953	410.4	NA
280-30160-2	↓	↓	↓	↓	↓
280-30207-1	↓	↓	↓	↓	↓
280-30235-1-9	↓	↓	↓	↓	Q4
	6/21/12				

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			
2. Correlation coefficient ≥ 0.995 ?	✓			
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			
4. ICB analyzed immediately after the ICV & results < the RL	✓			
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			
6. CCB analyzed after every CCV & results < RL?	✓			
7. Absolute value of the intercept is < ± ½ the RL?			✓	
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			
3. All reported results bracketed by in control CCV results?	✓			
4. Sample analyses done within holding time?	✓			
5. Initial pH check documented for all samples? (If Applicable)	✓			
6. Preparation benchsheet completed and included in package?	✓ 6/21/12		✓	
7. Client requirements reviewed and met?	✓			
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			
11. Raw data copies prepared, scanned, and uploaded?	✓			
12. Manual integrations done properly and initialed and dated?			✓	
13. STD/True Value information is updated and included?	✓			
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			
2. Method blank < ½ RL or NCM provided?	✓			
3. LCS/LCSD run for batch and within QC limits?	✓			
4. MS/MSD run at required frequency and within limits or NCM written?	✓			
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	

Analyst: [signature] **Date:** 6/21/12

2nd Level Reviewer : [signature] **Date:** 6/22/12

TestAmerica

Wet Chemistry Data Review Checklist
Direct Measurement Methods (pH, Conductance, etc.)

Test Name/Method #: Color **Analysis Date** 6 2012

SOP #: DV WC 0038 **Analyst:** DH **Instrument:** Nessler tubes

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280 30235/1-9	water	NA	124983	2120B	NA
					DH 6 30 12

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the instrument properly standardized?	✓			✓
2. Second-source ICV analyzed immediately after instrument standardization & recovery ± 10% of true value?			✓	✓
3. ICB analyzed immediately after ICV & results < the RL?			✓	✓
4. CCV analyzed after every ten samples & recovery ± 10% of true value?			✓	✓
5. CCB analyzed after every CCV & all results < the RL?			✓	✓
B. Sample Results				
1. pH sample and duplicate within ± 0.1 units?			✓	✓
1. Are all sample dilutions appropriate and do associated RLs reflect required dilutions or limited sample volumes?	✓			✓
2. All reported results bracketed by in control CCV results?			✓	✓
3. Sample analyses done within holding time?	✓			✓
4. Preparation benchsheet completed and included in package (if applicable)?	✓			✓
5. Special client requirements reviewed and met?	✓			✓
6. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓			✓
7. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
8. STD/True Value information is updated and included?	✓			✓
9. Raw data copies prepared, scanned, and uploaded?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?			✓	✓
4. Sample DUP run at required frequency and RPD within established limits?	✓			✓

Analyst: _____ **Date:** 6 30 12

2nd Level Reviewer : _____ **Date:** 7/6/12

5/18/10 Version 2
QA/Edit/Forms/Data Review\Direct Measurement Methods Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver Wet Chemistry Data Review Checklist
For Titration Methods

ANALYTE: Hardness ANALYST: AA ANALYSIS DATE: 7/13/12 SOP: WC-0060

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30235	W	N/A	127653	2340C	
30635	↓	↓	↓	↓	
30813	↓	↓	↓	↓	

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the normality of the titrant verified and found acceptable?	✓			✓
B. Sample Results				
1. Are all sample dilutions appropriate and do associated RLs/MDLs reflect required dilutions or limited sample volume?	✓			✓
2. All reported results bracketed by in control CCV/CCB?			✓	✓
3. Sample analyses done within holding time?	✓			✓
4. Initial pH check documented for all samples (if required)?			✓	✓
5. Preparation benchsheet completed and included in package (if applicable)?	✓			✓
6. Special client requirements checked?	✓			✓
7. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures? (If Applicable)	✓			✓
8. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
9. STD/True Value information is updated and included?	✓			✓
10. Raw data copies prepared, scanned, and uploaded?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. MS/MSD run at required frequency and within limits or NCM written?	✓			✓
5. DUP run at required frequency and RPD within 20% or NCM written?			✓	✓

Analyst: _____ **Date:** 7/13/12

Comments: _____

2nd Level Reviewer : _____ **Date:** 7/13/12

Comments: _____

HARDNESS BY TITRATION

Analyst:	AA	**Titration Solutions**		**SOP Information:**	**Rep. / Detection Limits**
Date:	7/13/2012	Solution 1:	EDTA	Number: DV-WC-0060	MDL 0
QC Batch:		Source:	RICCA	Revision: No.3 05/10	Rep. Limit 2
MS Run:		LOT#	_00010	**Calibration Information**	
Time:9:30		Normality:	0.01972	Std# Hard 00021	
2340C		Exp. Date:	7/31/2013	Lot #	
		Std#	22	Made By: LabChem	
Pipette Verification	5.07			Concentration:1000	
at 5mls:		5000n		Exp: 3/11/13	
Brinkmann bottletop		5000x		DCS True Value: 400.00	
Buret 50				Spike True Value: 200.00	

Lot Number	Work Order	Sample Volume	Buret Start	Buret Stop	Flags	Final mL	Concentratn mg/L	Prep D.F.	Analyt. D.F.	Final Conc mg/L	% Rec.
	titrant stdz	10	0.00	10.11		10.11	997.050	1	1	997.05	0.01978
	titrant stdz	10	0.00	10.17		10.17	1002.967	1	1	1002.97	0.01967
	MB	25	0.00	0.00		0.00	0.000	1	1	0.00	
	LCS	25	0.00	10.19		10.19	401.976	1	1	401.98	
	LCS	25	0.00	10.16		10.16	400.792	1	1	400.79	
280-30235-O-1	X	25	0.00	10.29		10.29	405.921	1	1	405.92	
280-30235-O-1 MS	X	25	0.00	21.60		21.60	852.078	1	1	852.08	
280-30235-O-1 MSD	X	25	0.00	20.73		20.73	817.759	1	1	817.76	
280-30235-E-2	X	25	0.00	10.17		10.17	401.187	1	1	401.19	
280-30235-E-3	X	25	0.00	4.86		4.86	191.718	1	1	191.72	
280-30235-E-4	X	25	0.00	7.97		7.97	314.401	1	1	314.40	
280-30235-E-5	X	25	0.00	5.17		5.17	203.947	1	1	203.95	
280-30235-E-6	x	25	0.00	11.28		11.28	444.974	1	1	444.97	
280-30235-E-7	x	25	0.00	9.72		9.72	383.435	1	1	383.44	
280-30235-E-8	x	25	0.00	11.55		11.55	455.625	1	1	455.63	
280-30235-E-9	x	25	0.00	0.00		0.00	0.000	1	1	0.00	
280-30635-E-1	x	5	0.00	12.36		12.36	2437.891	1	1	2437.89	
280-30635-E-2	x	5	0.00	8.71		8.71	1717.964	1	1	1717.96	
280-30635-E-3	x	5	0.00	11.12		11.12	2193.313	1	1	2193.31	
280-30635-E-4	x	5	0.00	11.78		11.78	2323.492	1	1	2323.49	
280-30635-E-5	x	5	0.00	10.91		10.91	2151.893	1	1	2151.89	
280-30635-E-6	x	25	0.00	13.19		13.19	520.320	1	1	520.32	
280-30635-E-7	x	2.5	0.00	8.16		8.16	3218.963	1	1	3218.96	
280-30635-E-8	x	5	0.00	10.43		10.43	2057.809	1	1	2057.81	
280-30635-E-9	x	5	0.00	6.61		6.61	1303.759	1	1	1303.76	
280-30635-E-10	x	5	0.00	13.41		13.41	2644.994	1	1	2644.99	
280-30813-I-1	x	25	0.00	13.63		13.63	537.677	1	1	537.68	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	

Buffer:	Hardness Buffer _00011	
Exp:	07 18 12	
Calmagit	_00001	Exp:06/22/13

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/20/2012 9:43:45 AM by WETCHEMD
#Samples: 86 Last Update: 6/21/2012 3:59:30 PM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
1	RT CHECK	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:14:11 PM
2	cal1	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:31:00 PM
3	cal2	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:47:48 PM
4	cal3	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:04:36 PM
5	cal4	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:21:25 PM
6	cal5	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:38:13 PM
7	cal6	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:55:01 PM
8	BLK	Unknown	6	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:11:49 PM
9	ICV STD#00816	Unknown	201	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:28:37 PM
10	ICB	Unknown	186	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:45:26 PM
11	ICV STD#00819	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 9:44:07 AM
12	ICB	Unknown	187	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 10:00:55 AM
13	MRL 0.05	Unknown	202	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 10:17:44 AM
14	MRL 0.02	Unknown	203	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 10:34:32 AM
15	LCS STD#00819	Unknown	194	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 10:51:20 AM
16	LCSD	Unknown	193	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 11:08:08 AM
17	MB	Unknown	143	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 11:24:57 AM
18	280-30224-c-1	Unknown	139	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 11:41:45 AM
19	DU 280-30224-c-1	Unknown	175	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 11:58:33 AM
20	280-30224-c-2 2X	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 12:48:58 PM
21	280-30235-f-1 2X	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 1:05:46 PM
22	DU 280-30235-f-1 2X	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 1:22:35 PM
23	MS 280-30235-f-1 2X	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 1:39:23 PM
24	MSD 280-30235-f-1 2X	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 1:56:12 PM
25	280-30235-b-2 2X	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 2:13:00 PM
26	280-30235-b-3	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 2:29:48 PM
27	280-30235-b-4	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 2:46:37 PM
28	CCV	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 3:03:25 PM
29	CCB	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 3:20:13 PM
30	280-30235-b-5	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 3:37:01 PM
31	280-30235-b-6	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 3:53:49 PM
32	280-30235-b-7	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 4:10:37 PM
33	280-30235-b-8	Unknown	411	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 4:27:26 PM
34	280-30235-b-9	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 4:44:14 PM
35	280-30225-a-1 5X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 5:01:02 PM
36	280-30225-a-2 5X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 5:17:50 PM
37	280-30224-c-1 5X	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 5:34:38 PM
38	DU 280-30224-c-1 5X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 5:51:26 PM
39	280-30224-c-2 50X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 6:08:15 PM
40	CCV	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 6:58:40 PM
41	CCB	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 7:15:28 PM
42	280-30235-f-1 50X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 7:32:16 PM
43	DU 280-30235-f-1 50X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 7:49:04 PM
44	MS 280-30235-f-1 50X	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 8:05:53 PM

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/20/2012 9:43:45 AM by WETCHEMD
#Samples: 86 Last Update: 6/21/2012 3:59:30 PM by WETCHEMD

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	RT CHECK	1.0000	1.0000	1.0000	100		EMK
2	cal1	1.0000	1.0000	1.0000	101		EMK
3	cal2	1.0000	1.0000	1.0000	102		EMK
4	cal3	1.0000	1.0000	1.0000	103		EMK
5	cal4	1.0000	1.0000	1.0000	104		EMK
6	cal5	1.0000	1.0000	1.0000	105		EMK
7	cal6	1.0000	1.0000	1.0000	106		EMK
8	BLK	1.0000	1.0000	1.0000	107		EMK
9	ICV STD#00816	1.0000	1.0000	1.0000	108		EMK
10	ICB	1.0000	1.0000	1.0000	109		EMK
11	ICV STD#00819	1.0000	1.0000	1.0000	110		EMK
12	ICB	1.0000	1.0000	1.0000	111		EMK
13	MRL 0.05	1.0000	1.0000	1.0000	112		EMK
14	MRL 0.02	1.0000	1.0000	1.0000	113		EMK
15	LCS STD#00819	1.0000	1.0000	1.0000	114		EMK
16	LCSD	1.0000	1.0000	1.0000	115		EMK
17	MB	1.0000	1.0000	1.0000	116		EMK
18	280-30224-c-1	1.0000	1.0000	1.0000	117		EMK
19	DU 280-30224-c-1	1.0000	1.0000	1.0000	118		EMK
20	280-30224-c-2 2X	1.0000	2.0000	1.0000	119		EMK
21	280-30235-f-1 2X	1.0000	2.0000	1.0000	120		EMK
22	DU 280-30235-f-1 2X	1.0000	2.0000	1.0000	121		EMK
23	MS 280-30235-f-1 2X	1.0000	2.0000	1.0000	122		EMK
24	MSD 280-30235-f-1 2X	1.0000	2.0000	1.0000	123		EMK
25	280-30235-b-2 2X	1.0000	2.0000	1.0000	124		EMK
26	280-30235-b-3	1.0000	1.0000	1.0000	125		EMK
27	280-30235-b-4	1.0000	1.0000	1.0000	126		EMK
28	CCV	1.0000	1.0000	1.0000	127		EMK
29	CCB	1.0000	1.0000	1.0000	128		EMK
30	280-30235-b-5	1.0000	1.0000	1.0000	129		EMK
31	280-30235-b-6	1.0000	1.0000	1.0000	130		EMK
32	280-30235-b-7	1.0000	1.0000	1.0000	131		EMK
33	280-30235-b-8	1.0000	1.0000	1.0000	132		EMK
34	280-30235-b-9	1.0000	1.0000	1.0000	133		EMK
35	280-30225-a-1 5X	1.0000	5.0000	1.0000	134		EMK
36	280-30225-a-2 5X	1.0000	5.0000	1.0000	135		EMK
37	280-30224-c-1 5X	1.0000	5.0000	1.0000	136		EMK
38	DU 280-30224-c-1 5X	1.0000	5.0000	1.0000	137		EMK
39	280-30224-c-2 50X	1.0000	50.0000	1.0000	138		EMK
40	CCV	1.0000	1.0000	1.0000	139		EMK
41	CCB	1.0000	1.0000	1.0000	140		EMK
42	280-30235-f-1 50X	1.0000	50.0000	1.0000	141		EMK
43	DU 280-30235-f-1 50X	1.0000	50.0000	1.0000	142		EMK
44	MS 280-30235-f-1 50X	1.0000	50.0000	1.0000	143		EMK

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/20/2012 9:43:45 AM by WETCHEMD
#Samples: 86 Last Update: 6/21/2012 3:59:30 PM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
45	MSD 280-30235-f-1 50X	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 8:22:41 PM
46	280-30235-b-2 50X	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 8:39:29 PM
47	280-30235-b-3 5X	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 8:56:17 PM
48	280-30235-b-4 10X	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 9:13:06 PM
49	280-30235-b-5 5X	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 9:29:54 PM
50	280-30235-b-6 10X	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 9:46:42 PM
51	280-30235-b-8 5X	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 10:03:31 PM
52	CCV	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 10:20:19 PM
53	CCB	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 10:37:07 PM
54	280-30225-a-1 100X	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 10:53:55 PM
55	280-30225-a-2 100X	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 11:10:44 PM
56	lcs 280-124831/1-a	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 11:27:32 PM
57	mb 280-124831/2-a	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 11:44:20 PM
58	280-29825-b-1-g	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 12:01:09 AM
59	280-29825-b-2-d	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 12:17:58 AM
60	280-29825-b-2-e du	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 12:34:46 AM
61	280-29825-b-2-f ms	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 12:51:34 AM
62	280-29825-b-3-d	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 1:08:23 AM
63	280-29825-b-4-g	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 1:25:11 AM
64	CCV	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 1:41:59 AM
65	CCB	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 1:58:48 AM
66	280-29825-a-5-i	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 2:15:36 AM
67	280-29825-a-6-e	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 2:32:24 AM
68	280-29825-a-7-e	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 2:49:13 AM
69	lcs 280-124836/1-a	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 3:06:01 AM
70	mb 280-124836/2-a	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 3:22:49 AM
71	280-29827-a-1-p	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 3:39:37 AM
72	280-29827-a-2-j	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 3:56:25 AM
73	280-29827-a-3-j	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 4:13:14 AM
74	280-29827-a-3-k du	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 4:30:02 AM
75	280-29827-a-3-l ms	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 4:46:50 AM
76	CCV	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 5:03:39 AM
77	CCB	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 5:20:27 AM
78	280-29827-a-4-h	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 5:37:15 AM
79	280-29827-a-5-h	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 5:54:03 AM
80	280-29827-a-6-h	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 6:10:52 AM
81	280-29827-a-7-h	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 6:27:40 AM
82	280-29827-a-8-h	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 6:44:29 AM
83	280-29827-b-9-i	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 7:01:17 AM
84	CCV	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 7:18:05 AM
85	CCB	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 7:34:53 AM
86	END	Unknown	421	10.0	stop	7 ANION AS11	Finished	6/21/2012 7:51:41 AM

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/20/2012 9:43:45 AM by WETCHEMD
#Samples: 86 Last Update: 6/21/2012 3:59:30 PM by WETCHEMD

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
45	MSD 280-30235-f-1 50X	1.0000	50.0000	1.0000	144		EMK
46	280-30235-b-2 50X	1.0000	50.0000	1.0000	145		EMK
47	280-30235-b-3 5X	1.0000	5.0000	1.0000	146		EMK
48	280-30235-b-4 10X	1.0000	10.0000	1.0000	147		EMK
49	280-30235-b-5 5X	1.0000	5.0000	1.0000	148		EMK
50	280-30235-b-6 10X	1.0000	10.0000	1.0000	149		EMK
51	280-30235-b-8 5X	1.0000	5.0000	1.0000	150		EMK
52	CCV	1.0000	1.0000	1.0000	151		EMK
53	CCB	1.0000	1.0000	1.0000	152		EMK
54	280-30225-a-1 100X	1.0000	100.0000	1.0000	153		EMK
55	280-30225-a-2 100X	1.0000	100.0000	1.0000	154		EMK
56	lcs 280-124831/1-a	1.0000	1.0000	1.0000	155		EMK
57	mb 280-124831/2-a	1.0000	1.0000	1.0000	156		EMK
58	280-29825-b-1-g	1.0000	1.0000	1.0000	157		EMK
59	280-29825-b-2-d	1.0000	1.0000	1.0000	158		EMK
60	280-29825-b-2-e du	1.0000	1.0000	1.0000	159		EMK
61	280-29825-b-2-f ms	1.0000	1.0000	1.0000	160		EMK
62	280-29825-b-3-d	1.0000	1.0000	1.0000	161		EMK
63	280-29825-b-4-g	1.0000	1.0000	1.0000	162		EMK
64	CCV	1.0000	1.0000	1.0000	163		EMK
65	CCB	1.0000	1.0000	1.0000	164		EMK
66	280-29825-a-5-i	1.0000	1.0000	1.0000	165		EMK
67	280-29825-a-6-e	1.0000	1.0000	1.0000	166		EMK
68	280-29825-a-7-e	1.0000	1.0000	1.0000	167		EMK
69	lcs 280-124836/1-a	1.0000	1.0000	1.0000	168		EMK
70	mb 280-124836/2-a	1.0000	1.0000	1.0000	169		EMK
71	280-29827-a-1-p	1.0000	1.0000	1.0000	170		EMK
72	280-29827-a-2-j	1.0000	1.0000	1.0000	171		EMK
73	280-29827-a-3-j	1.0000	1.0000	1.0000	172		EMK
74	280-29827-a-3-k du	1.0000	1.0000	1.0000	173		EMK
75	280-29827-a-3-l ms	1.0000	1.0000	1.0000	174		EMK
76	CCV	1.0000	1.0000	1.0000	175		EMK
77	CCB	1.0000	1.0000	1.0000	176		EMK
78	280-29827-a-4-h	1.0000	1.0000	1.0000	177		EMK
79	280-29827-a-5-h	1.0000	1.0000	1.0000	178		EMK
80	280-29827-a-6-h	1.0000	1.0000	1.0000	179		EMK
81	280-29827-a-7-h	1.0000	1.0000	1.0000	180		EMK
82	280-29827-a-8-h	1.0000	1.0000	1.0000	181		EMK
83	280-29827-b-9-i	1.0000	1.0000	1.0000	182		EMK
84	CCV	1.0000	1.0000	1.0000	183		EMK
85	CCB	1.0000	1.0000	1.0000	184		EMK
86	END	1.0000	1.0000	1.0000	185		EMK

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Pressure.LowerLimit =              200 [psi]
           Pressure.UpperLimit =              3000 [psi]
           %A.Equate =                        "DI H2O"
           CR_TC =                            On
           Pump_InjectValve.State             LoadPosition
           Data_Collection_Rate =             5.0 [Hz]
           CellTemperature.Nominal =          35.0 [°C]
           ColumnTemperature.Nominal =        30.0 [°C]
           Suppressor_Type =                  ASRS_4mm
           ; Pump_ECD.Hydroxide =             50.0
           ; Pump_ECD.Recommended Current =   124
           ; Pump_ECD.Carbonate =             0.0
           ; Pump_ECD.Bicarbonate =           0.0
           ; Pump_ECD.Tetraborate =           0.0
           ; Pump_ECD.Other eluent =          0.0
           Suppressor_Current =               125 [mA]
           Flow =                             1.00 [ml/min]

-2.700     Pump_ECD_Relay_1.Open              Duration=0.01
           Concentration =                    10.00 [mM]
           Curve =                            5

-2.500     Pump_ECD_Relay_1.Closed            Duration=0.01

 0.000     Autozero
           ECD_1.AcqOn
           Pump_InjectValve.InjectPosition    Duration=720.00

 7.500     Concentration =                    10.00 [mM]
           Curve =                            5

10.500     Concentration =                    40.00 [mM]
           Curve =                            5

10.600     Concentration =                    50.00 [mM]
           Curve =                            5

12.500     Concentration =                    50.00 [mM]
           Curve =                            5

12.600     Concentration =                    10.00 [mM]
           Curve =                            5

13.000     Concentration =                    10.00 [mM]
```

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Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Curve =                          5

14.000     ECD_1.AcqOff
           End
```

Chromeleon © Dionex Corporation, Version 6.80 SP3 Build 2345 (128616)

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ
Timebase: ICS-8
Created: 3/20/2008 10:44:59 AM by kudlae
Changed: 3/31/2008 10:13:48 AM by kudlae

No.	Channel	Operation	Parameters

Title: Stop
Datasource: D3YCYMF1_local Created: 3/11/2008 4:10:47 PM by Test America Labs
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ
Timebase: ICS-8 Changed: 3/11/2008 4:10:47 PM by Test America Labs

```
           ColumnTemperature =                Off
           CellTemperature.Nominal =          Off
; Pump_ECD.Hydroxide =                        50.0
; Pump_ECD.Recommended Current =              124
; Pump_ECD.Carbonate =                        0.0
; Pump_ECD.Bicarbonate =                      0.0
; Pump_ECD.Tetraborate =                      0.0
; Pump_ECD.Other eluent =                     0.0
           Pressure.LowerLimit =              200
           Pressure.UpperLimit =              3000
           %A.Equate =                        "DI H2O"
           CR_TC =                            Off
           ;LoadPosition
           Data_Collection_Rate =             5.0
           Suppressor_Type =                  ASRS_4mm
           Suppressor_Current =               124
           Suppressor_Mode =                  Off
           ECD_Total.Step =                   0.50
           ECD_Total.Average =                Off
           Channel_Pressure.Step =            0.50
           Channel_Pressure.Average =         Off

           Pump_ECD_Relay_1.Open
           Concentration =                    10.00
           Curve =                            5

           Pump_ECD_Relay_1.State             Open
           Mode =                             Off
           Flow =                             1.00

 0.000     off

           End
```

Chromeleon © Dionex Corporation, Version 6.80 SP3 Build 2345 (128616)

Title: Stop
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ
Timebase: ICS-8
Created: 3/11/2008 4:10:47 PM by Test America Labs
Changed: 3/11/2008 4:10:47 PM by Test America Labs

No.	Channel	Operation	Parameters

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Blank Run Subtraction: No Blank Run Subtraction

Detection Table:

No.	Ret. Time [min]	Param. Name	Param. Value	Channel
1	0.000	Minimum Area	0.5E-3 "[Signal]*min"	All Channels
2	0.000	Sensitivity	0.8E-3 "[Signal]"	All Channels
3	0.000	Inhibit Integration	On	All Channels
4	0.000	Valley to Valley	On	All Channels
5	0.000	Fronting Sensitivity Factor	5.0	All Channels
6	0.000	Tailing Sensitivity Factor	6.0	All Channels
7	1.500	Void Volume Treatment	On	All Channels
8	1.500	Inhibit Integration	Off	All Channels
9	1.800	Void Volume Treatment	Off	All Channels
10	2.000	Maximum Width	0.75 min	All Channels
11	8.200	Inhibit Integration	On	All Channels
12	11.000	Inhibit Integration	Off	All Channels

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Group	Comment	Amount BLK	Amount cal1
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*		*Autogenerated*	*0.000000*	*0.200000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Amount cal2	Amount cal3	Amount cal4	Amount cal5	Amount cal6
1	*Fluoride*	*1.900 min*	*0.500000*	*1.000000*	*4.000000*	*8.000000*	*10.000000*
2	Acetate	2.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
3	Chloride	3.300 min	2.500000	5.000000	20.000000	40.000000	50.000000
4	Nitrite	3.800 min	0.500000	1.000000	4.000000	8.000000	10.000000
5	Bromide	6.300 min	0.500000	1.000000	4.000000	8.000000	10.000000
6	Nitrate	7.000 min	0.500000	1.000000	4.000000	8.000000	10.000000
7	Sulfate	11.400 min	2.500000	5.000000	20.000000	40.000000	50.000000
8	Ortho as P	12.600 min	0.500000	1.000000	4.000000	8.000000	10.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Left Limit	Right Limit	Group	Resp.Fact.
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*	*0.000*	*0.000*		*1.000000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Comment
1	*Fluoride*	*1.900 min*	*Autogenerated*
2	Acetate	2.700 min	Autogenerated
3	Chloride	3.300 min	Autogenerated
4	Nitrite	3.800 min	Autogenerated
5	Bromide	6.300 min	Autogenerated
6	Nitrate	7.000 min	Autogenerated
7	Sulfate	11.400 min	Autogenerated
8	Ortho as P	12.600 min	Autogenerated

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Smp.No.	Pos.	Inj. Vol.	Weight	ISTD Amount	Dil. Factor	Inj. Date/Time	Sample Comment
1	☒	cal1	2	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:31:	EMK
2	☒	cal2	3	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:47:	EMK
3	☒	cal3	4	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:04:	EMK
4	☒	cal4	5	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:21:	EMK
5	☒	cal5	6	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:38:	EMK
6	☒	cal6	7	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:55:	EMK

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Calib.	Comment
1	☒	cal1	Ok	
2	☒	cal2	Ok	
3	☒	cal3	Ok	
4	☒	cal4	Ok	
5	☒	cal5	Ok	
6	☒	cal6	Ok	

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Sample Condition	Test Condition	Aggregate	Operator	Value	Channel	Peak	N.A.
1									

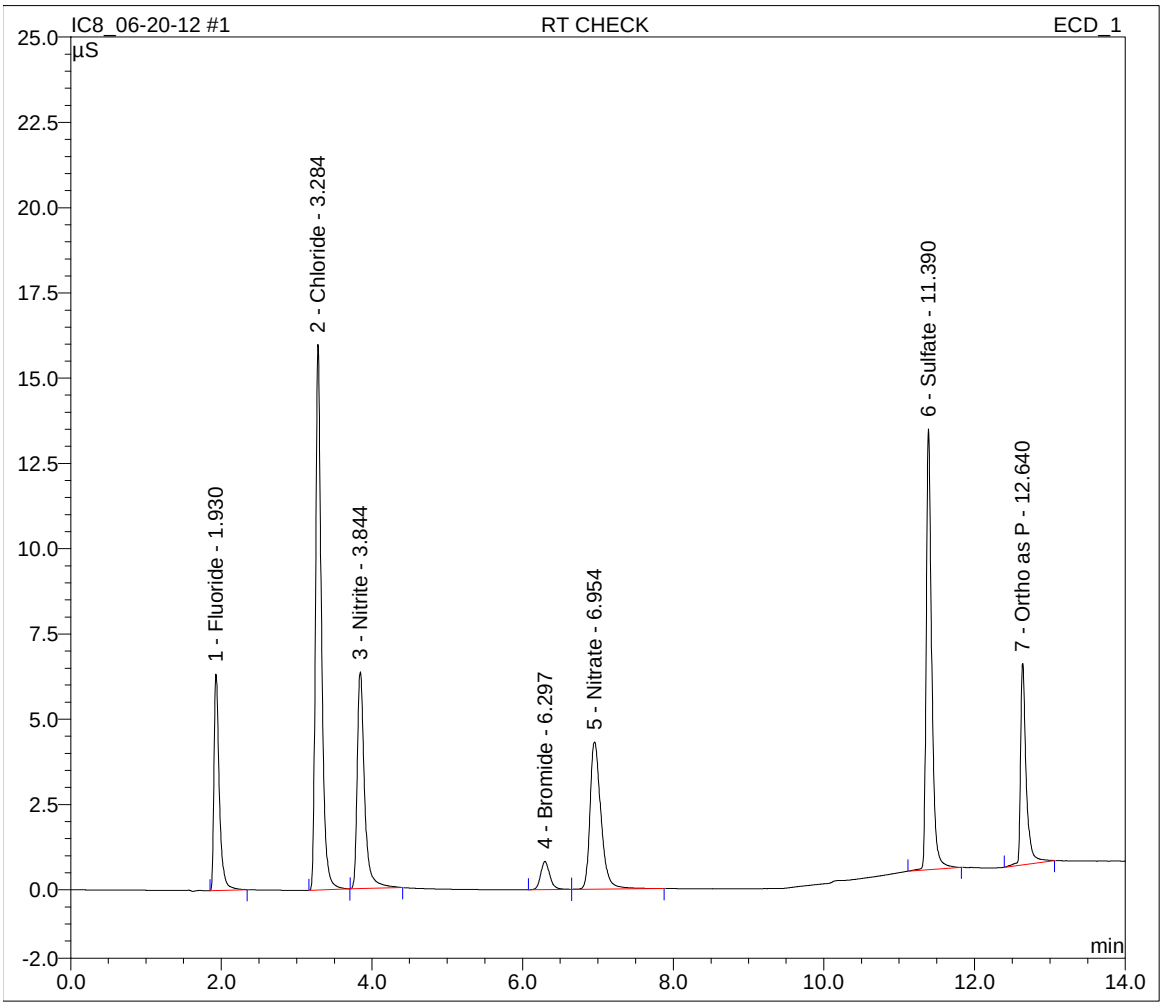
Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Fail-Action	Result	SST Message	Rounding
1					

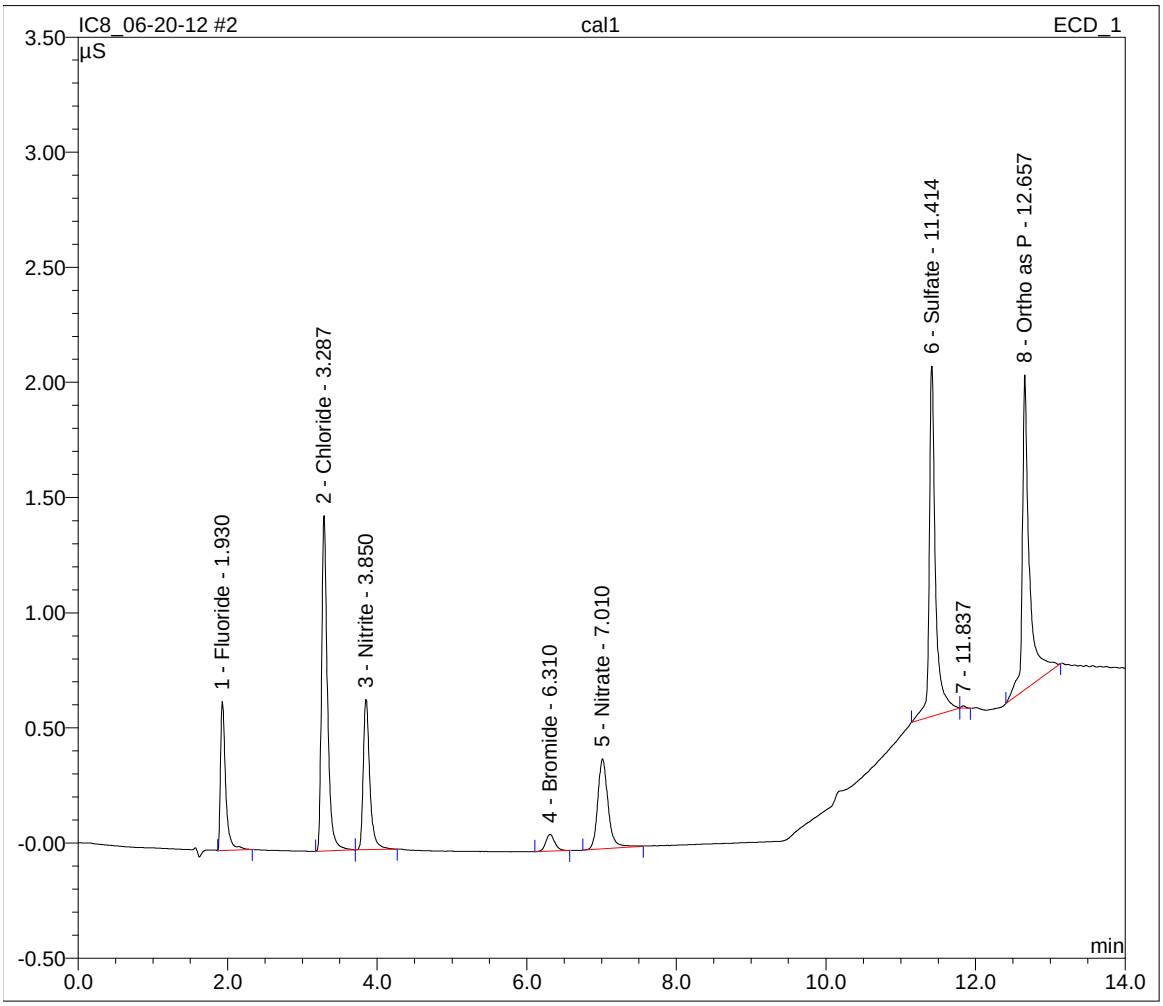
Sample Name:	**RT CHECK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.351	2.1852
2	3.28	Chloride	BMB	1.472	15.998	10.8467
3	3.84	Nitrite	BMB	0.714	6.365	1.9734
4	6.30	Bromide	BMB	0.115	0.825	2.0316
5	6.95	Nitrate	bMB	0.726	4.315	2.1359
6	11.39	Sulfate	BMB	1.098	12.924	10.0120
7	12.64	Ortho as P	BMB	0.504	5.904	2.0466
TOTAL:				5.14	52.68	31.23



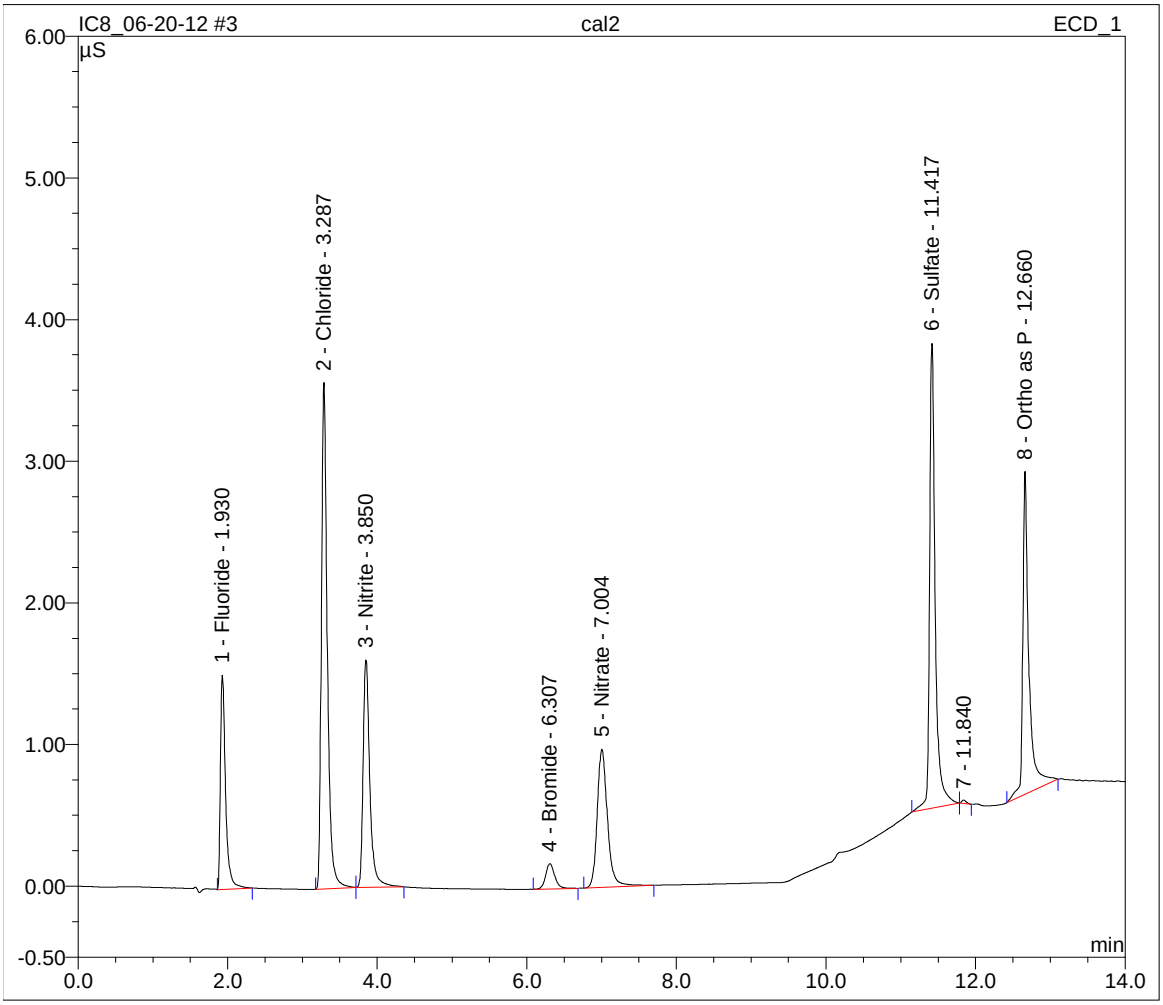
Sample Name:	**cal1**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:31**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.051	0.646	0.1970
2	3.29	Chloride	BMb	0.133	1.457	1.0400
3	3.85	Nitrite	bMB	0.066	0.652	0.2124
4	6.31	Bromide	BMB	0.010	0.073	0.2222
5	7.01	Nitrate	BMB	0.062	0.391	0.2154
6	11.41	Sulfate	BMb	0.146	1.521	1.0815
8	12.66	Ortho as P	BMB	0.151	1.367	0.1743
		TOTAL:		0.62	6.11	3.14



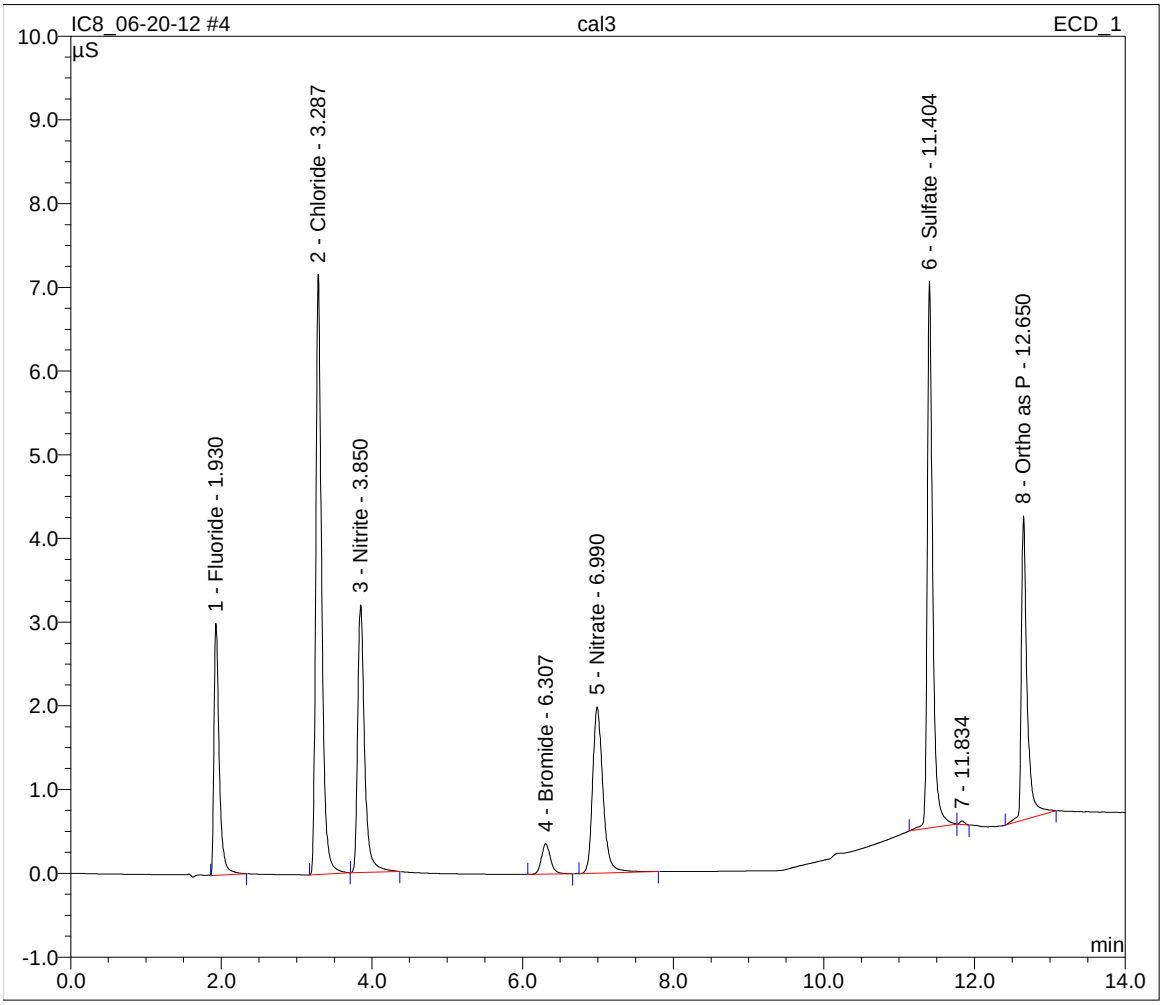
Sample Name:	**cal2**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.120	1.512	0.4922
2	3.29	Chloride	BMB	0.327	3.574	2.4601
3	3.85	Nitrite	BMB	0.167	1.604	0.4861
4	6.31	Bromide	BMB	0.025	0.178	0.4845
5	7.00	Nitrate	BMB	0.155	0.975	0.4831
6	11.42	Sulfate	BMb	0.284	3.282	2.3745
8	12.66	Ortho as P	BMB	0.216	2.278	0.5210
		TOTAL:		1.29	13.40	7.30



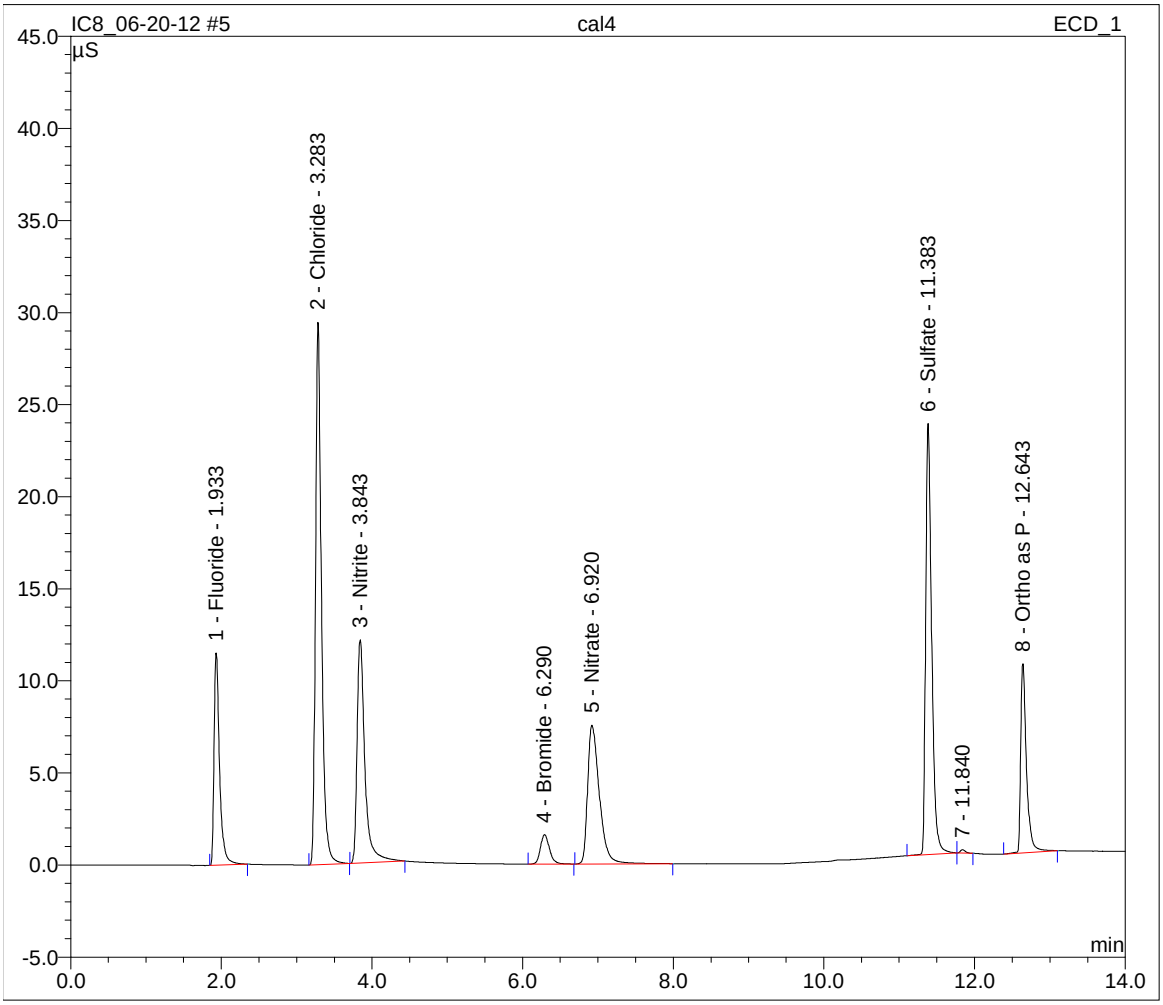
Sample Name:	**cal3**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.241	3.009	1.0119
2	3.29	Chloride	BMB	0.657	7.169	4.8803
3	3.85	Nitrite	BMB	0.341	3.199	0.9611
4	6.31	Bromide	BMB	0.051	0.365	0.9278
5	6.99	Nitrate	BMB	0.319	1.985	0.9575
6	11.40	Sulfate	BMb	0.545	6.532	4.8185
8	12.65	Ortho as P	BMB	0.320	3.633	1.0722
		TOTAL:		2.47	25.89	14.63



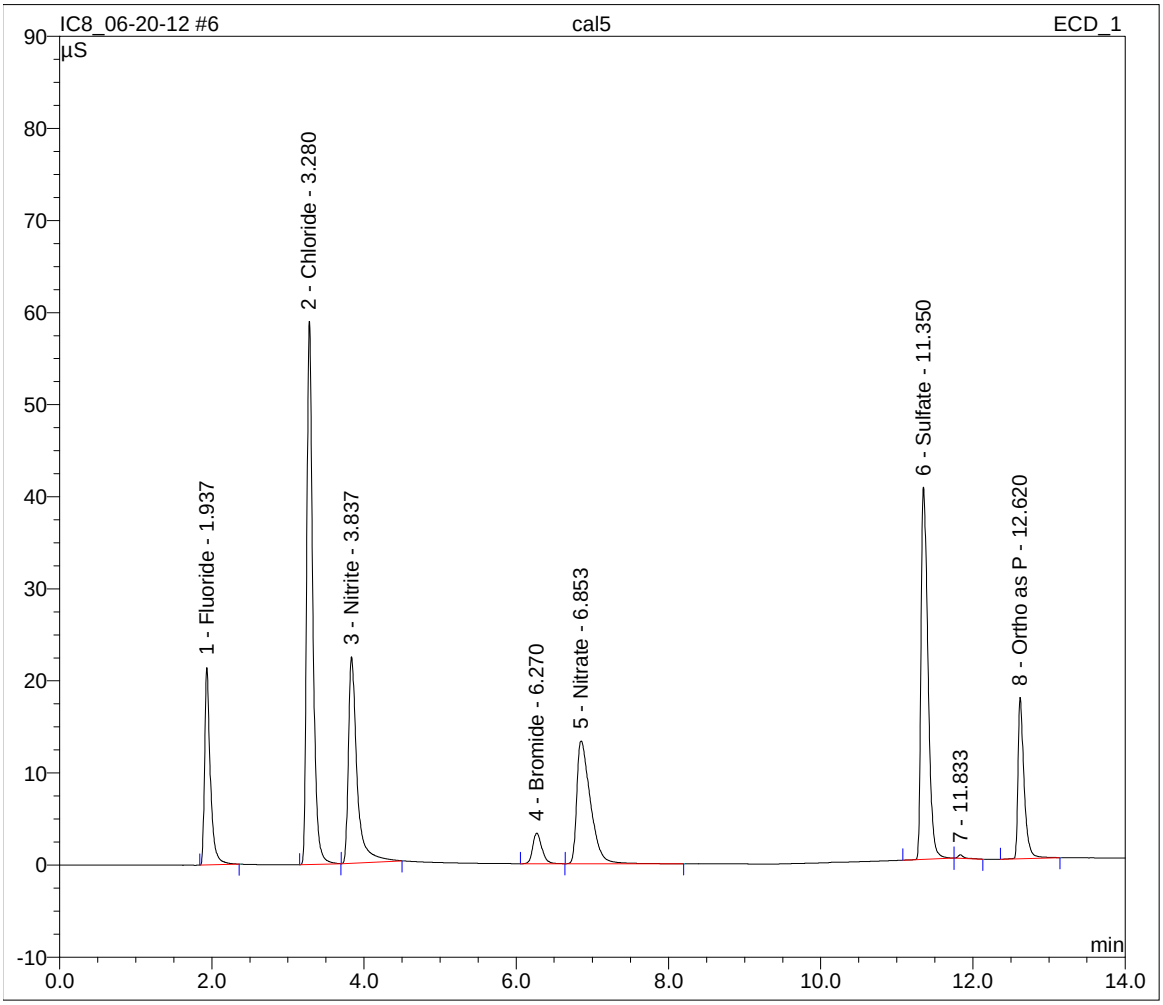
Sample Name:	**cal4**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.966	11.542	4.1247
2	3.28	Chloride	BMB	2.709	29.464	19.9102
3	3.84	Nitrite	BMB	1.456	12.120	3.9932
4	6.29	Bromide	BMB	0.223	1.604	3.8991
5	6.92	Nitrate	BMB	1.357	7.526	3.9629
6	11.38	Sulfate	BMb	2.162	23.410	20.0013
8	12.64	Ortho as P	BMB	0.901	10.280	4.1462
TOTAL:				9.77	95.95	60.04



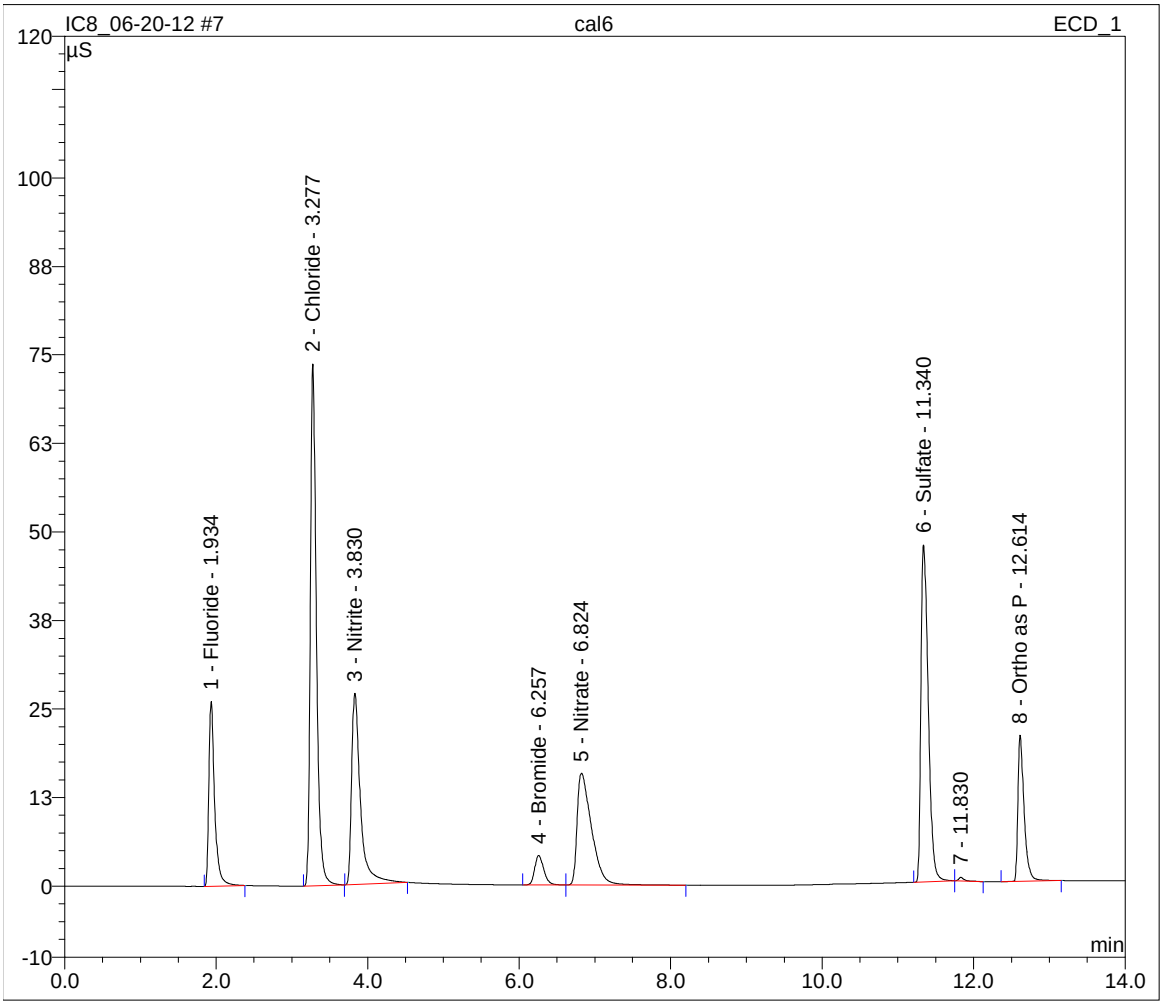
Sample Name:	**cal5**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	1.868	21.466	8.0002
2	3.28	Chloride	BMB	5.457	59.008	40.0443
3	3.84	Nitrite	BMB	2.954	22.426	8.0660
4	6.27	Bromide	BMB	0.462	3.324	8.0345
5	6.85	Nitrate	BMB	2.759	13.322	8.0199
6	11.35	Sulfate	BMb	4.302	40.425	40.0890
8	12.62	Ortho as P	BMB	1.622	17.507	7.9642
		TOTAL:		19.42	177.48	120.22



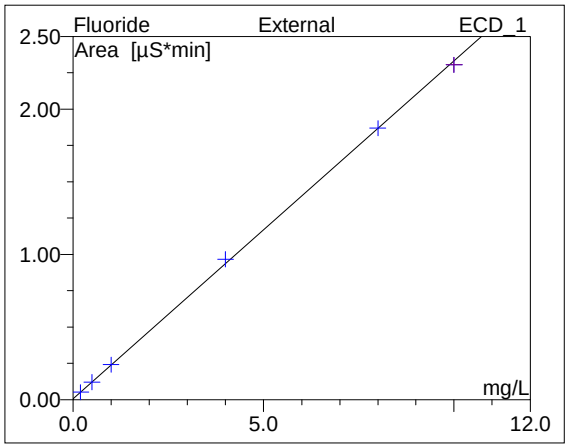
Sample Name:	**cal6**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:55**	*Run Time:*	**14.00**

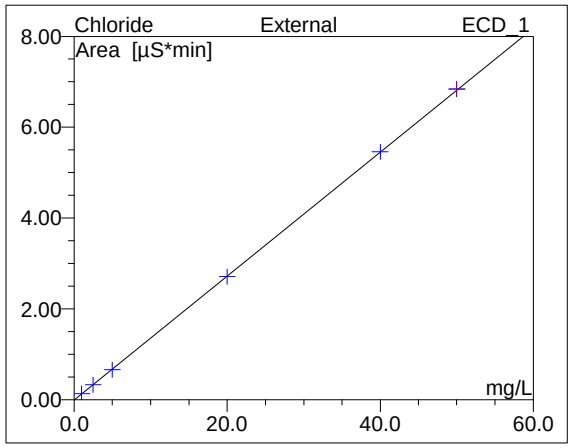
No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	2.304	26.065	9.8741
2	3.28	Chloride	BMB	6.838	73.679	50.1651
3	3.83	Nitrite	BMB	3.658	26.975	9.9812
4	6.26	Bromide	BMB	0.583	4.171	10.1319
5	6.82	Nitrate	BMB	3.465	15.767	10.0612
6	11.34	Sulfate	BMb	5.373	47.566	50.1352
8	12.61	Ortho as P	BMB	1.973	20.624	9.8221
		TOTAL:		24.19	214.85	150.17

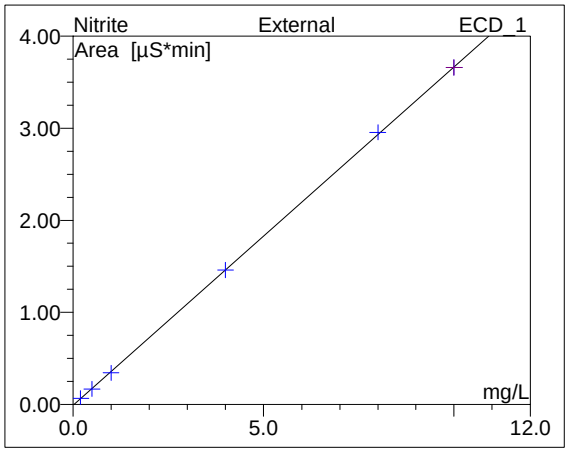


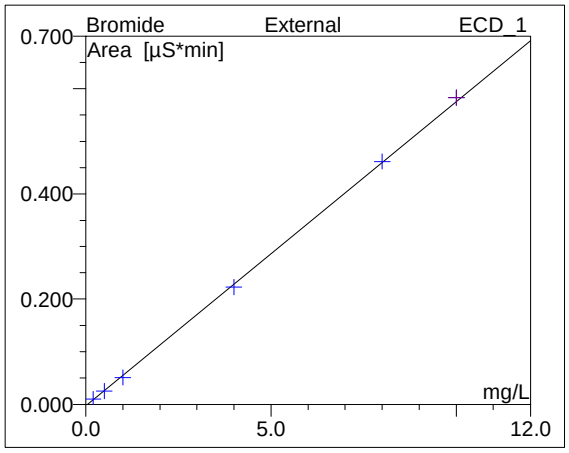
Calibration Batch Report

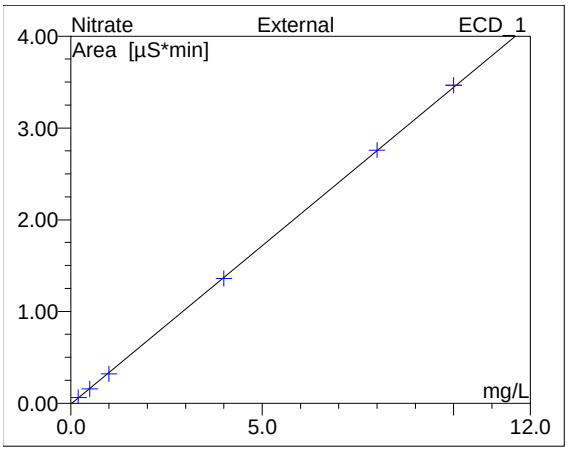
Sequence:	**IC8_06-20-12**	Inj. Vol.:	**10.0**
Program:	**7 Anion**	Operator:	**DENPC241**
Inj. Date/Time:	**06/18/12 14:55**	Run Time:	**14.00**

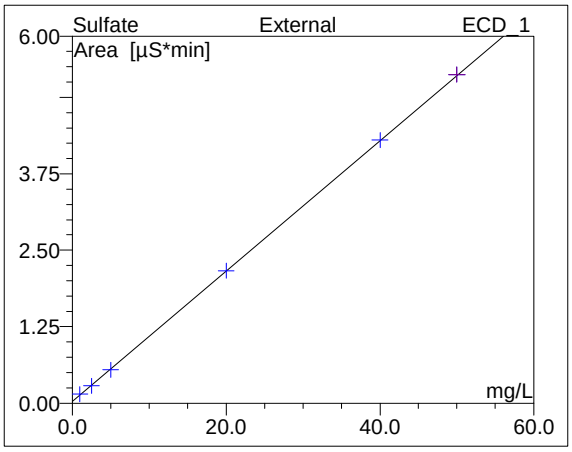




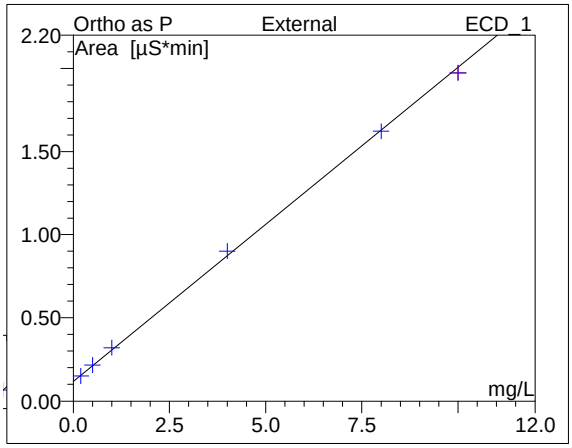








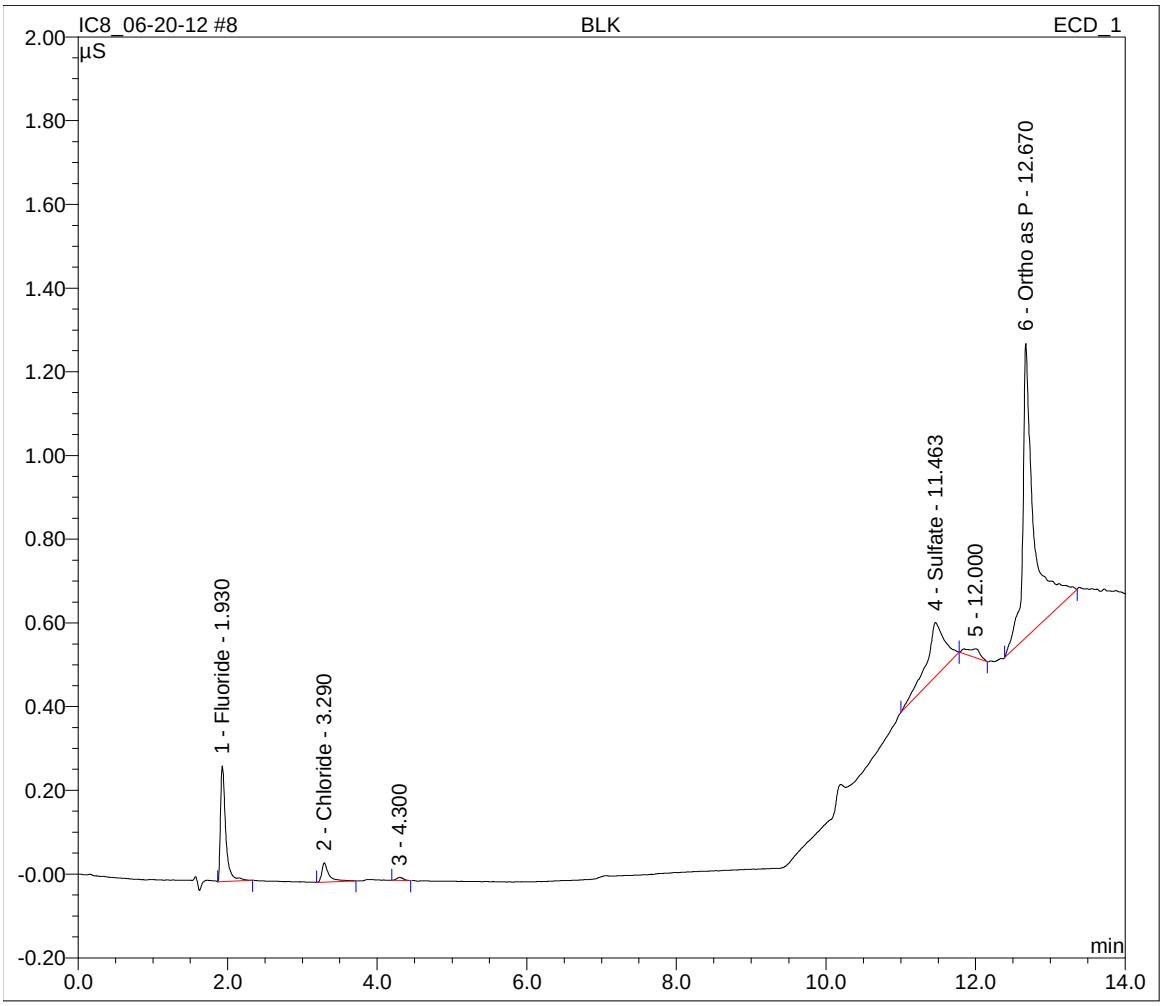
Program:	**7 Anion**	*Operator:*	**n.a.**
Ini. Date/Time:	**06/18/12 14:55**	*Run Time:*	**14.00**



No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
1	1.93	Fluoride	XLOff	6	0.005	0.233	0.000	99.985
2	3.28	Chloride	XLOff	6	-0.009	0.136	0.000	99.997
3	3.83	Nitrite	XLOff	6	-0.012	0.368	0.000	99.992
4	6.26	Bromide	XLOff	6	-0.003	0.058	0.000	99.968
5	6.82	Nitrate	XLOff	6	-0.012	0.346	0.000	99.989
6	11.34	Sulfate	XLOff	6	0.031	0.107	0.000	99.990
8	12.61	Ortho as P	XLOff	6	0.118	0.189	0.000	99.954
AVERAGE:					0.0169	0.2051	0.0000	99.9819

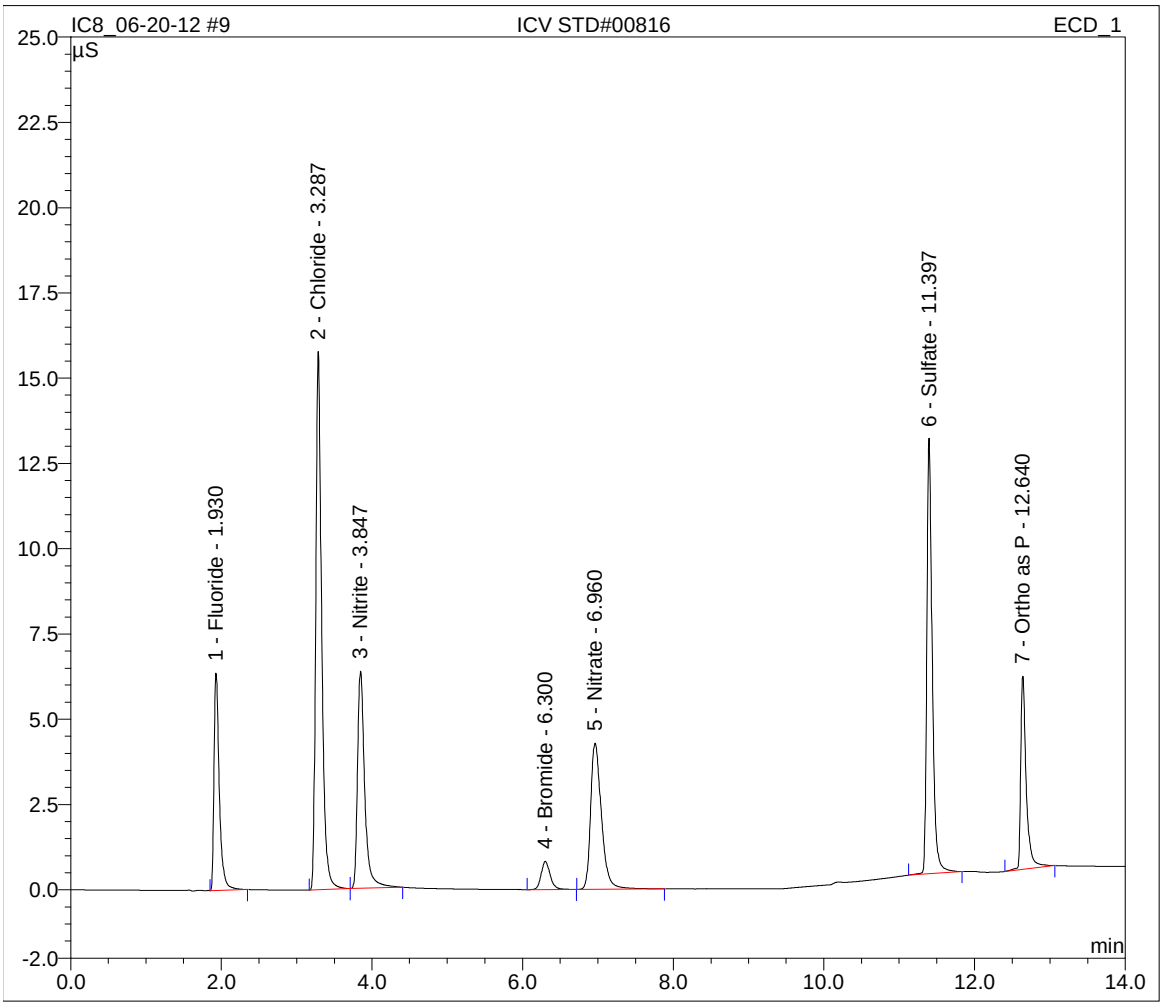
Sample Name:	**BLK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.022	0.276	0.0725
2	3.29	Chloride	BMB	0.005	0.046	0.1031
4	11.46	Sulfate	BMb	0.036	0.129	0.0502
6	12.67	Ortho as P	BMB	0.125	0.703	0.0382
		TOTAL:		0.19	1.15	0.26



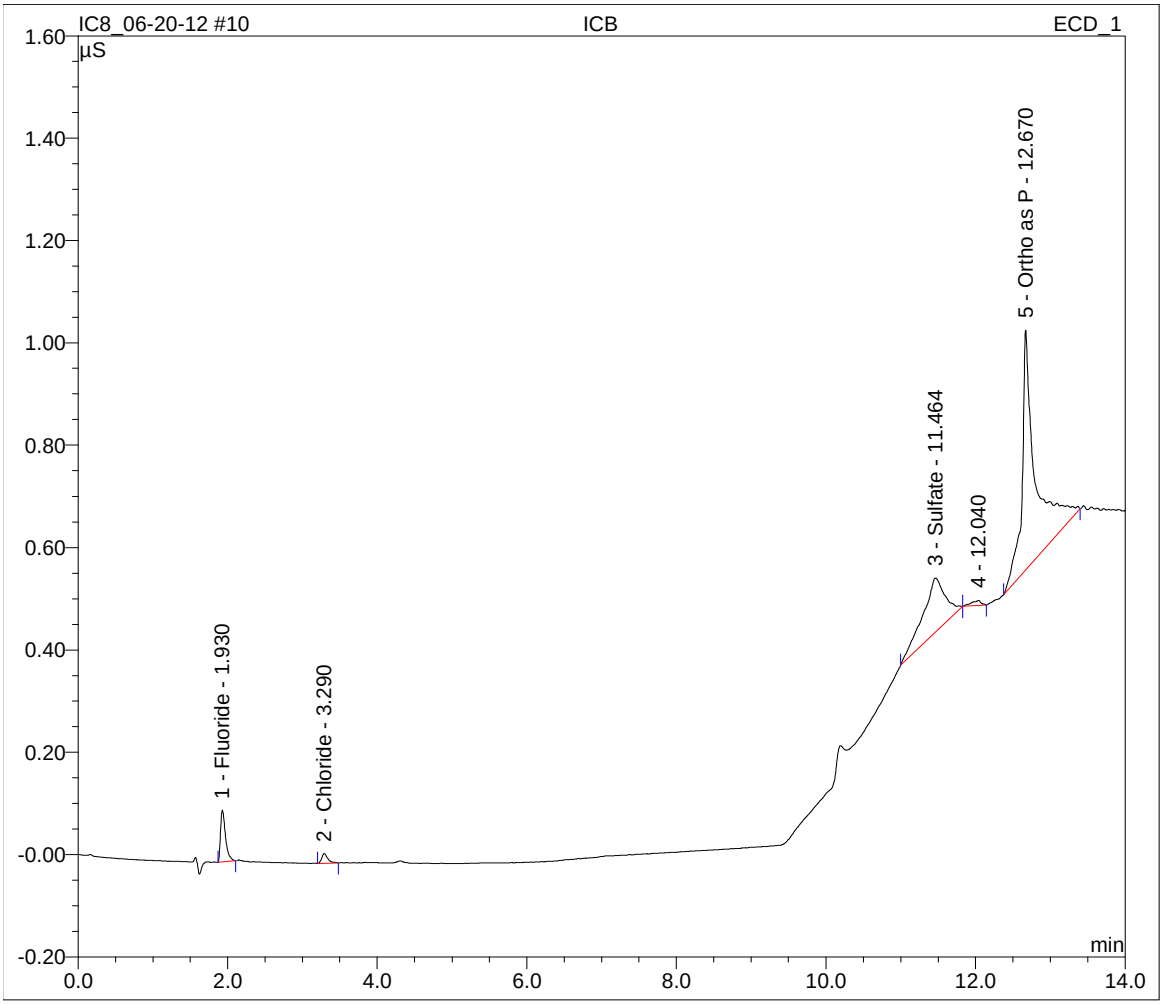
Sample Name:	**ICV STD#00816**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.382	2.1868
2	3.29	Chloride	BMB	1.448	15.777	10.6712
3	3.85	Nitrite	BMB	0.706	6.368	1.9529
4	6.30	Bromide	BMB	0.115	0.825	2.0290
5	6.96	Nitrate	BMB	0.713	4.281	2.0989
6	11.40	Sulfate	BMB	1.070	12.766	9.7526
7	12.64	Ortho as P	BMB	0.474	5.668	1.8875
TOTAL:				5.04	52.07	30.58



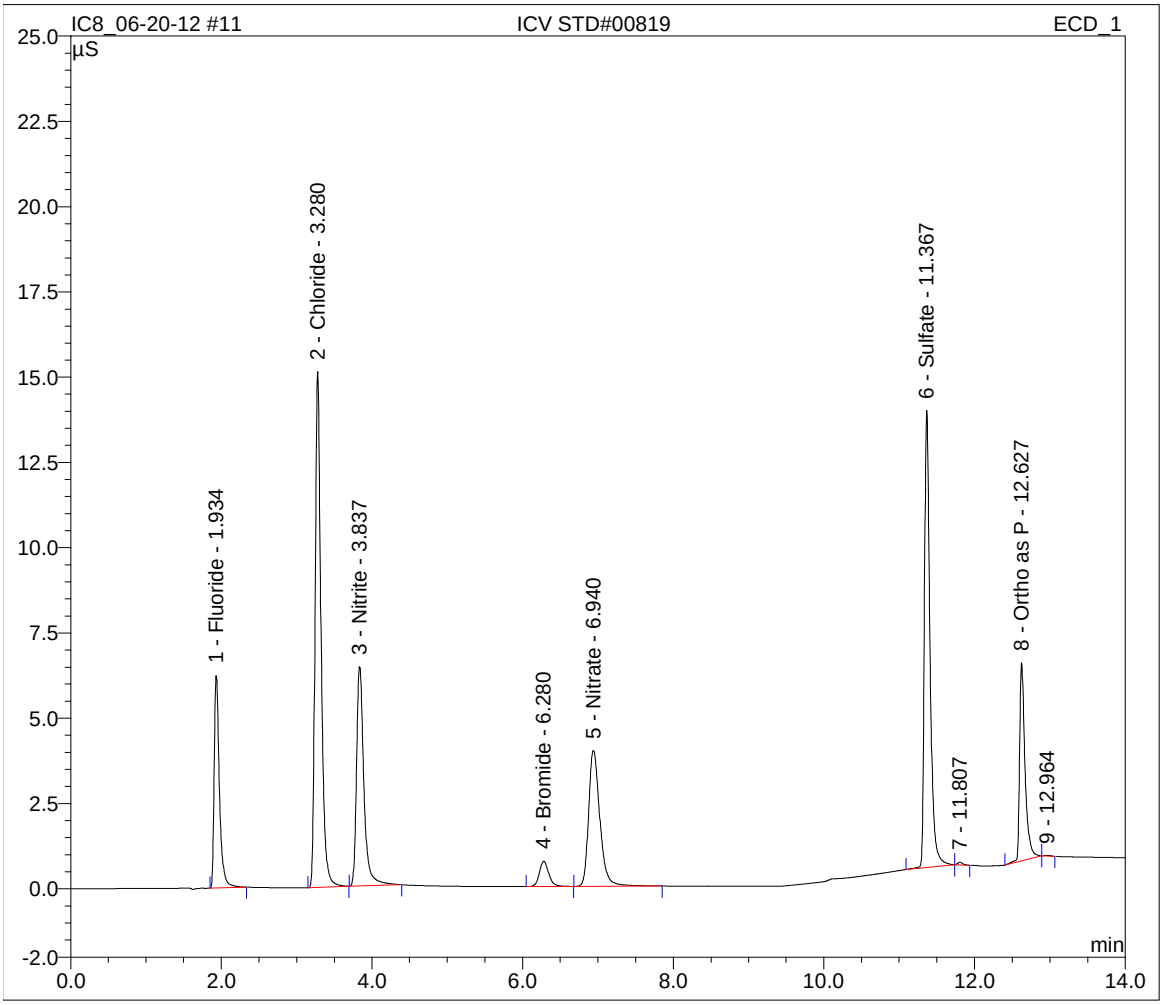
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.008	0.101	0.0103
2	3.29	Chloride	BMB	0.002	0.019	0.0781
3	11.46	Sulfate	BMb	0.037	0.106	0.0582
5	12.67	Ortho as P	BMB	0.100	0.469	-0.0954
		TOTAL:		0.15	0.69	0.05



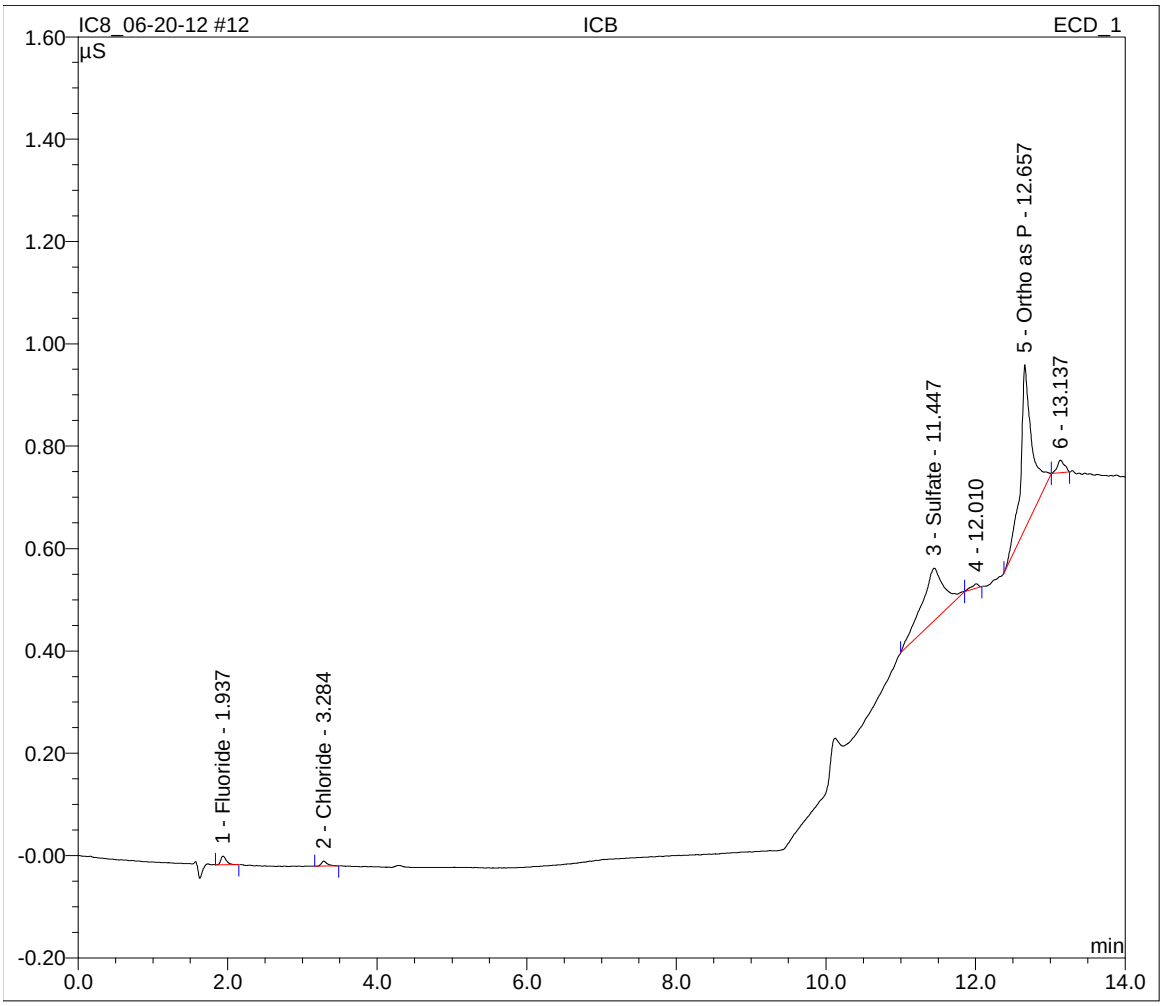
Sample Name:	**ICV STD#00819**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 09:44**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.496	6.237	2.1085
2	3.28	Chloride	BMB	1.399	15.123	10.3176
3	3.84	Nitrite	BMB	0.723	6.437	1.9992
4	6.28	Bromide	BMB	0.108	0.741	1.9077
5	6.94	Nitrate	BMB	0.688	3.982	2.0241
6	11.37	Sulfate	BMb	1.161	13.404	10.6058
8	12.63	Ortho as P	BMb	0.481	5.811	1.9227
		TOTAL:		5.06	51.74	30.89



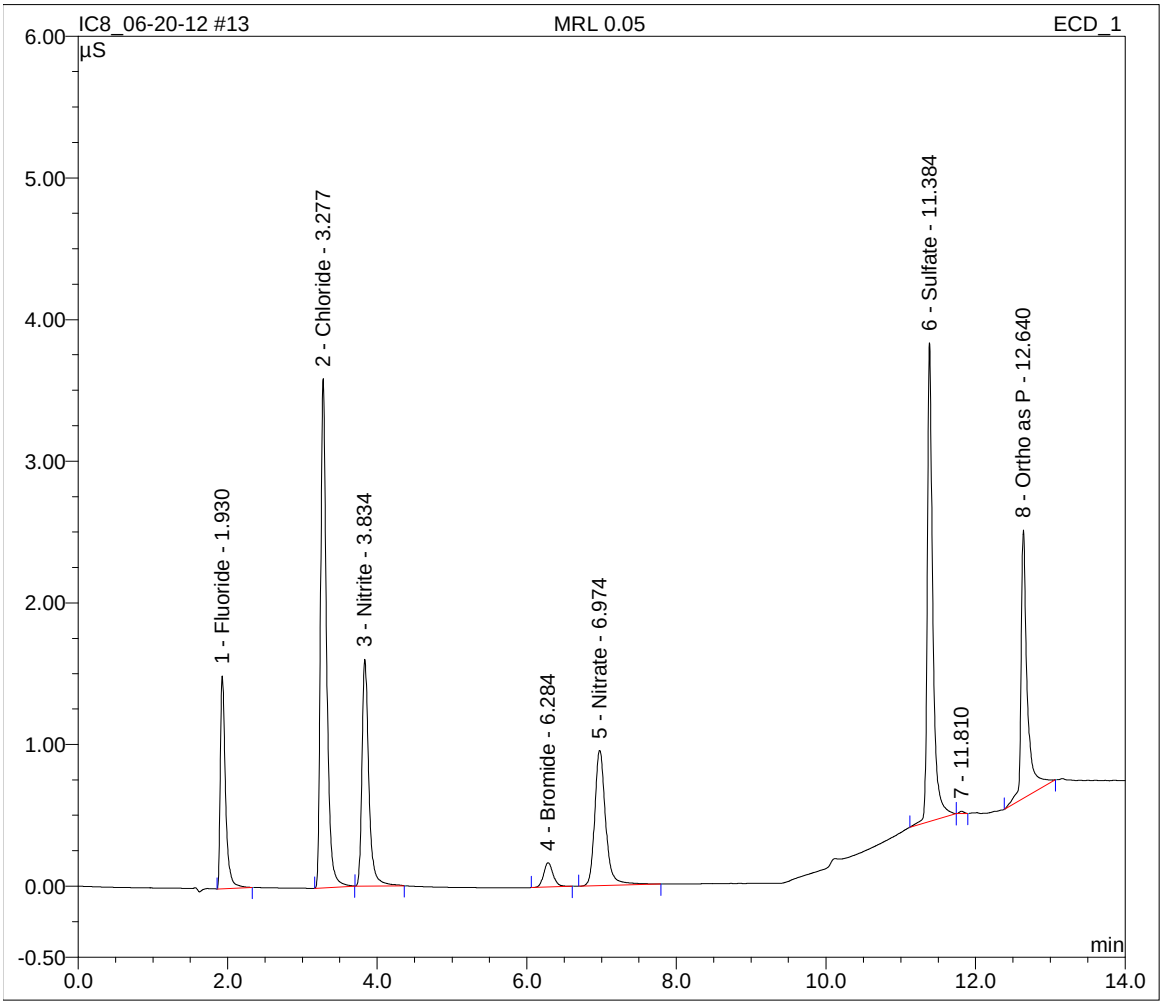
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 10:00**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	0.001	0.017	-0.0166
2	3.28	Chloride	BMB	0.001	0.010	0.0723
3	11.45	Sulfate	BMB	0.036	0.102	0.0421
5	12.66	Ortho as P	BMB	0.056	0.321	-0.3273
TOTAL:				0.09	0.45	-0.23



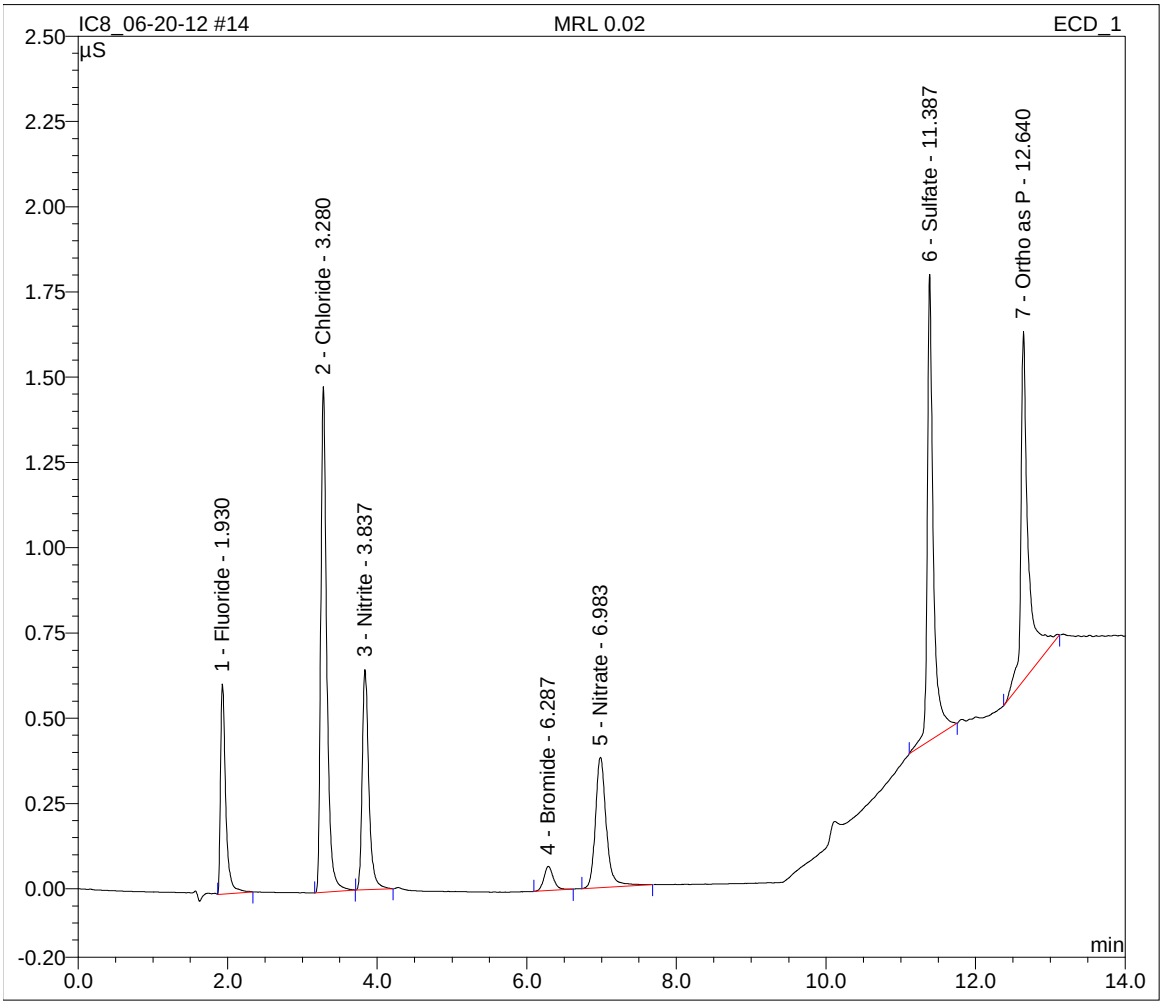
Sample Name:	**MRL 0.05**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 10:17**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.120	1.503	0.4917
2	3.28	Chloride	BMB	0.335	3.592	2.5220
3	3.83	Nitrite	BMB	0.170	1.600	0.4944
4	6.28	Bromide	BMB	0.025	0.172	0.4820
5	6.97	Nitrate	BMB	0.161	0.954	0.5011
6	11.38	Sulfate	BMB	0.290	3.382	2.4260
8	12.64	Ortho as P	BMB	0.181	1.894	0.3359
		TOTAL:		1.28	13.10	7.25



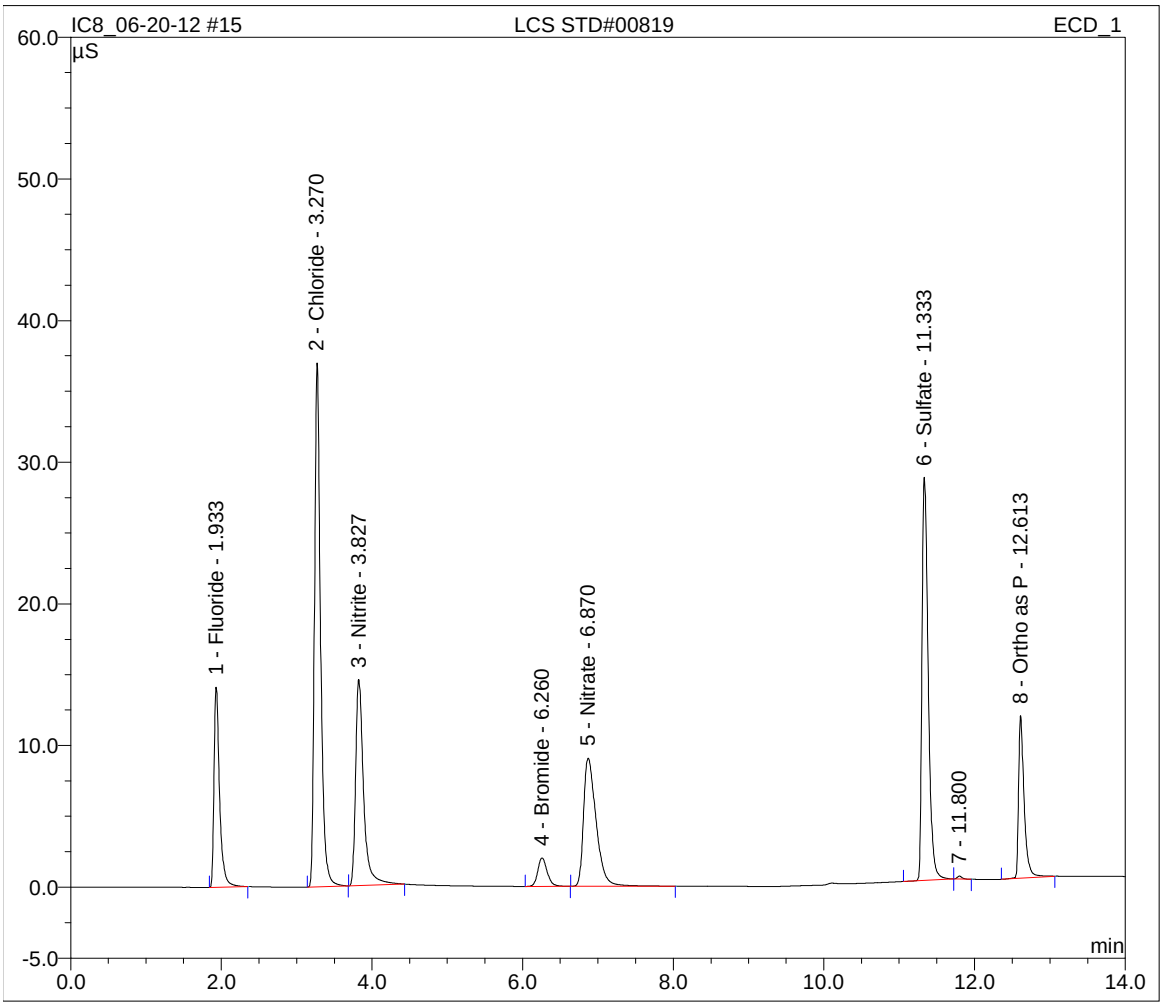
Sample Name:	**MRL 0.02**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 10:34**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.049	0.615	0.1885
2	3.28	Chloride	BMB	0.138	1.482	1.0778
3	3.84	Nitrite	BMB	0.066	0.646	0.2132
4	6.29	Bromide	BMB	0.010	0.071	0.2283
5	6.98	Nitrate	BMB	0.064	0.381	0.2200
6	11.39	Sulfate	BMB	0.127	1.369	0.8988
7	12.64	Ortho as P	BMB	0.118	1.023	-0.0005
		TOTAL:		0.57	5.59	2.83



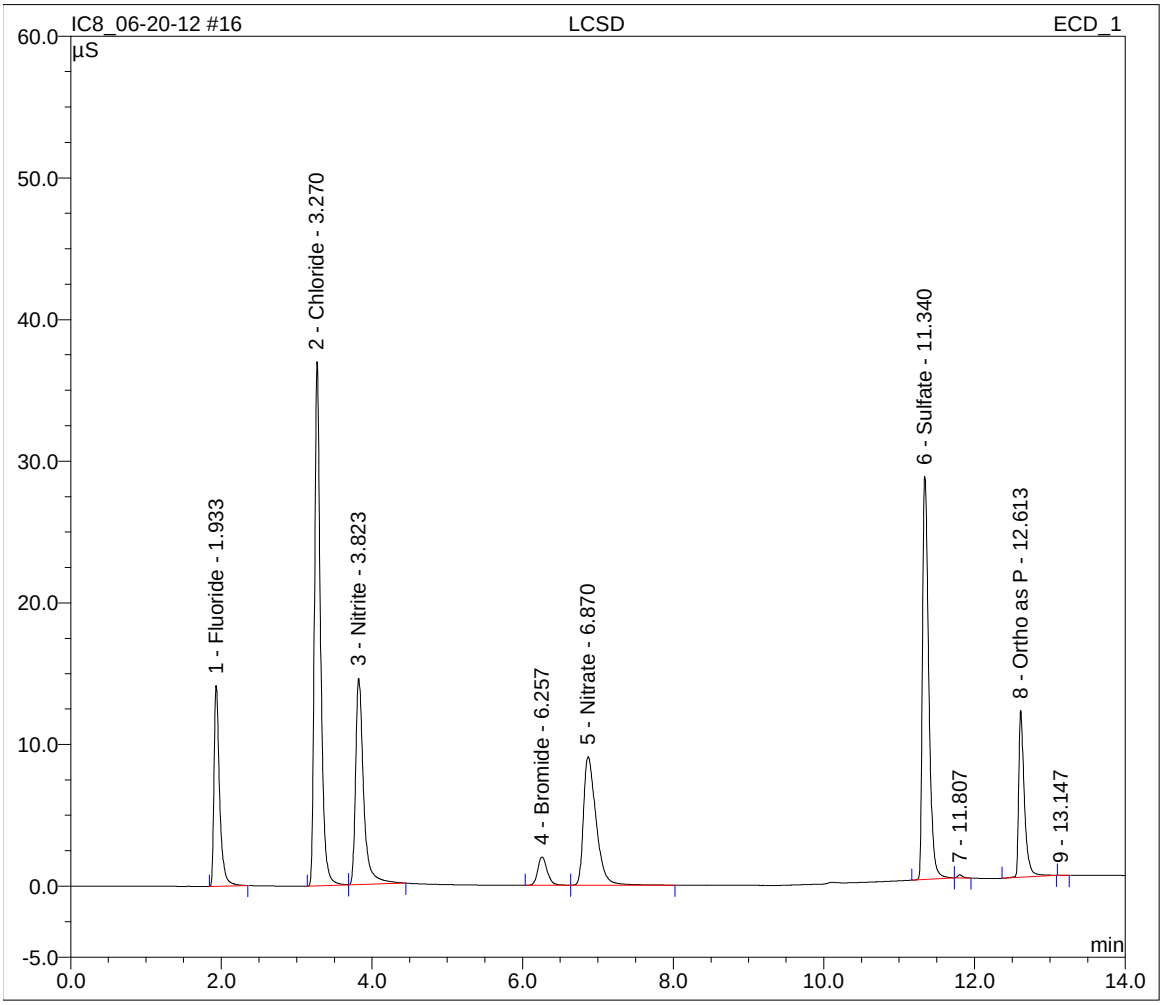
Sample Name:	**LCS STD#00819**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 10:51**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.198	14.124	5.1223
2	3.27	Chloride	BMB	3.468	36.983	25.4726
3	3.83	Nitrite	BMB	1.786	14.553	4.8891
4	6.26	Bromide	BMB	0.289	1.997	5.0435
5	6.87	Nitrate	BMB	1.747	9.040	5.0900
6	11.33	Sulfate	BMB	2.755	28.449	25.5636
8	12.61	Ortho as P	BMB	0.983	11.468	4.5810
		TOTAL:		12.23	116.61	75.76



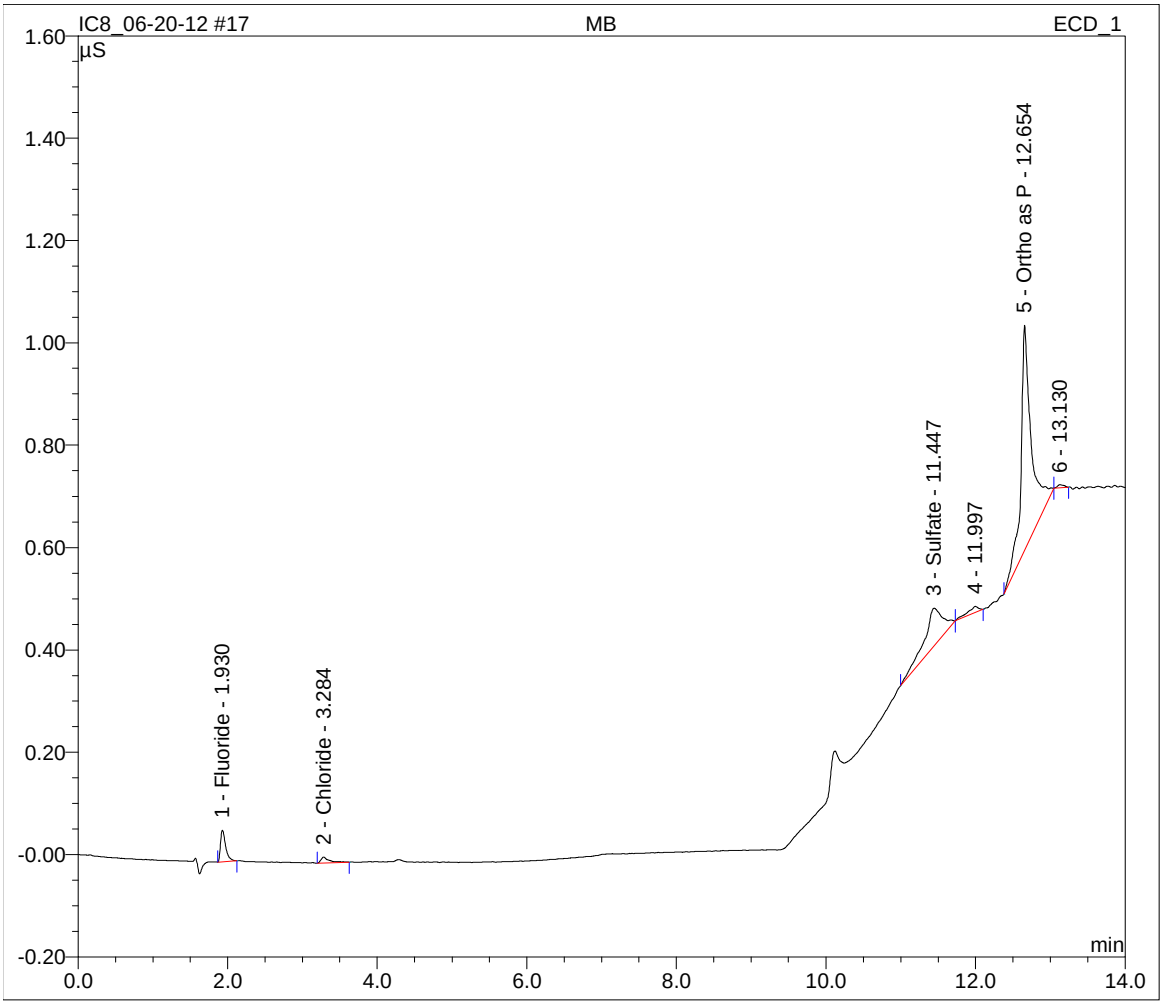
Sample Name:	**LCSD**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 11:08**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.204	14.157	5.1463
2	3.27	Chloride	BMB	3.470	36.995	25.4842
3	3.82	Nitrite	bMB	1.786	14.550	4.8885
4	6.26	Bromide	BMB	0.289	2.001	5.0519
5	6.87	Nitrate	BMB	1.750	9.061	5.0993
6	11.34	Sulfate	BMB	2.765	28.451	25.6565
8	12.61	Ortho as P	BMB	1.026	11.767	4.8074
		TOTAL:		12.29	116.98	76.13



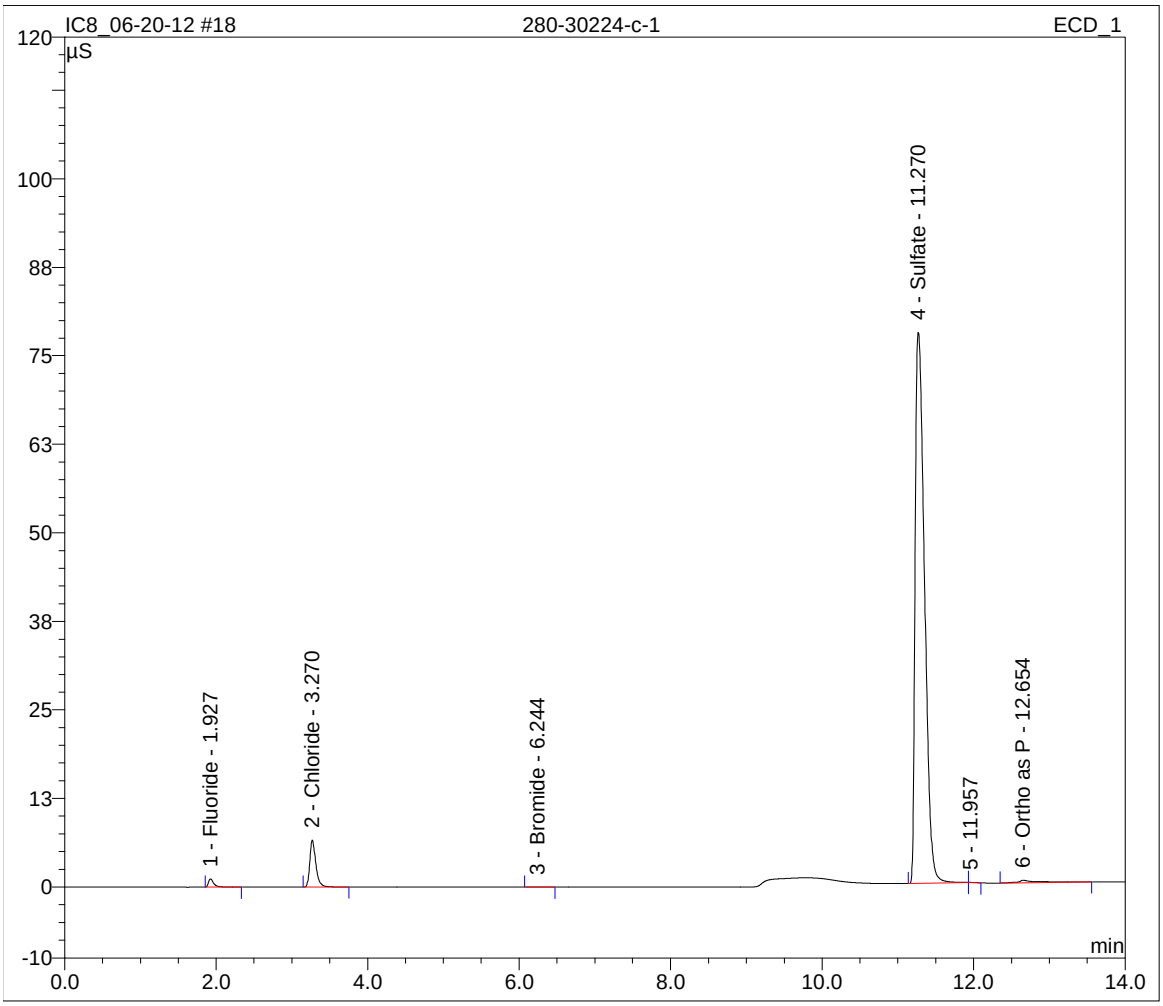
Sample Name:	**MB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 11:24**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.005	0.062	-0.0018
2	3.28	Chloride	BMB	0.002	0.012	0.0765
3	11.45	Sulfate	BMB	0.021	0.074	-0.0940
5	12.65	Ortho as P	BMB	0.070	0.440	-0.2517
TOTAL:				0.10	0.59	-0.27



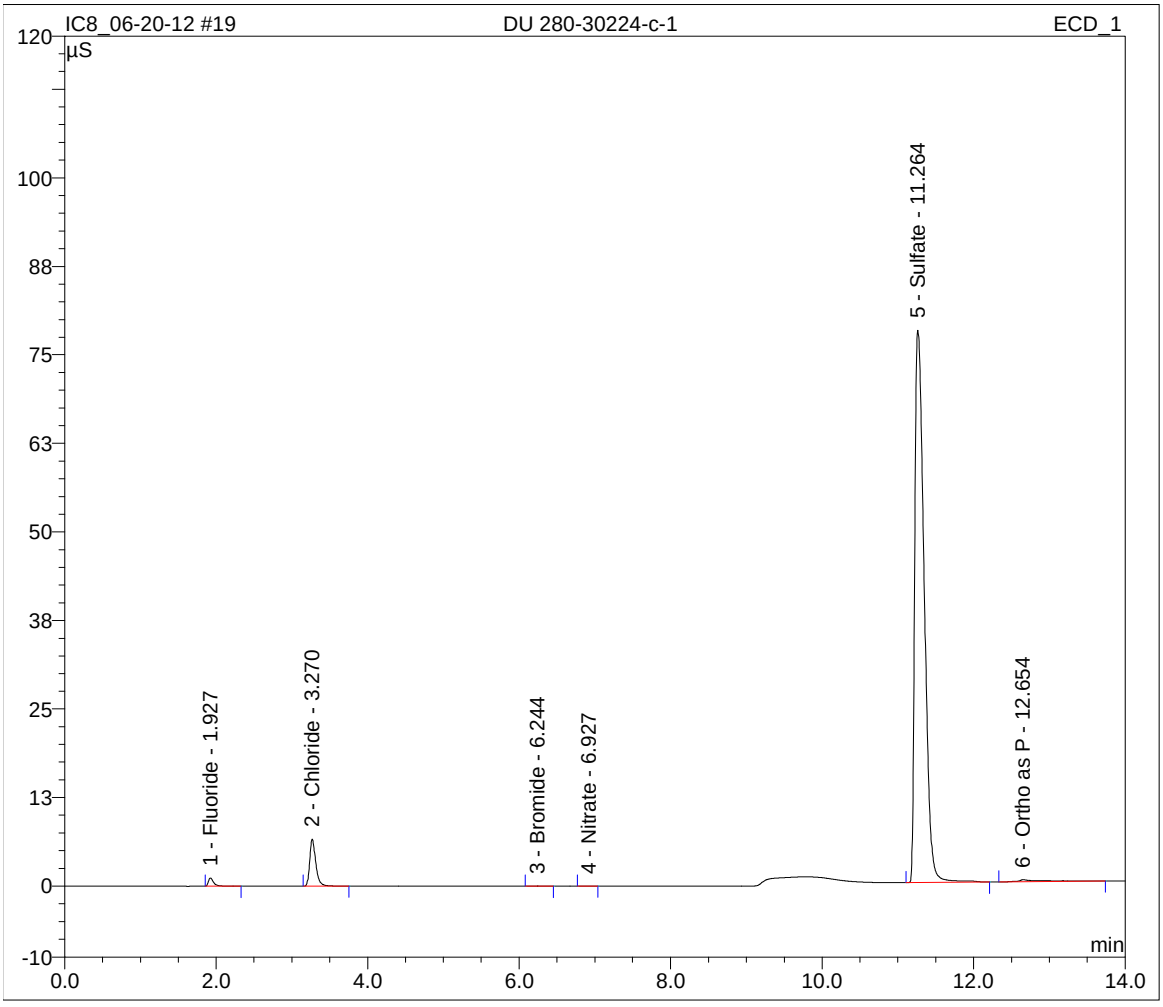
Sample Name:	**280-30224-c-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 11:41**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.094	1.159	0.3811
2	3.27	Chloride	BMB	0.617	6.635	4.5876
3	6.24	Bromide	BMB	0.004	0.030	0.1202
4	11.27	Sulfate	BMb	11.199	77.821	104.8160
6	12.65	Ortho as P	BMB	0.103	0.362	-0.0775
		TOTAL:		12.02	86.01	109.83



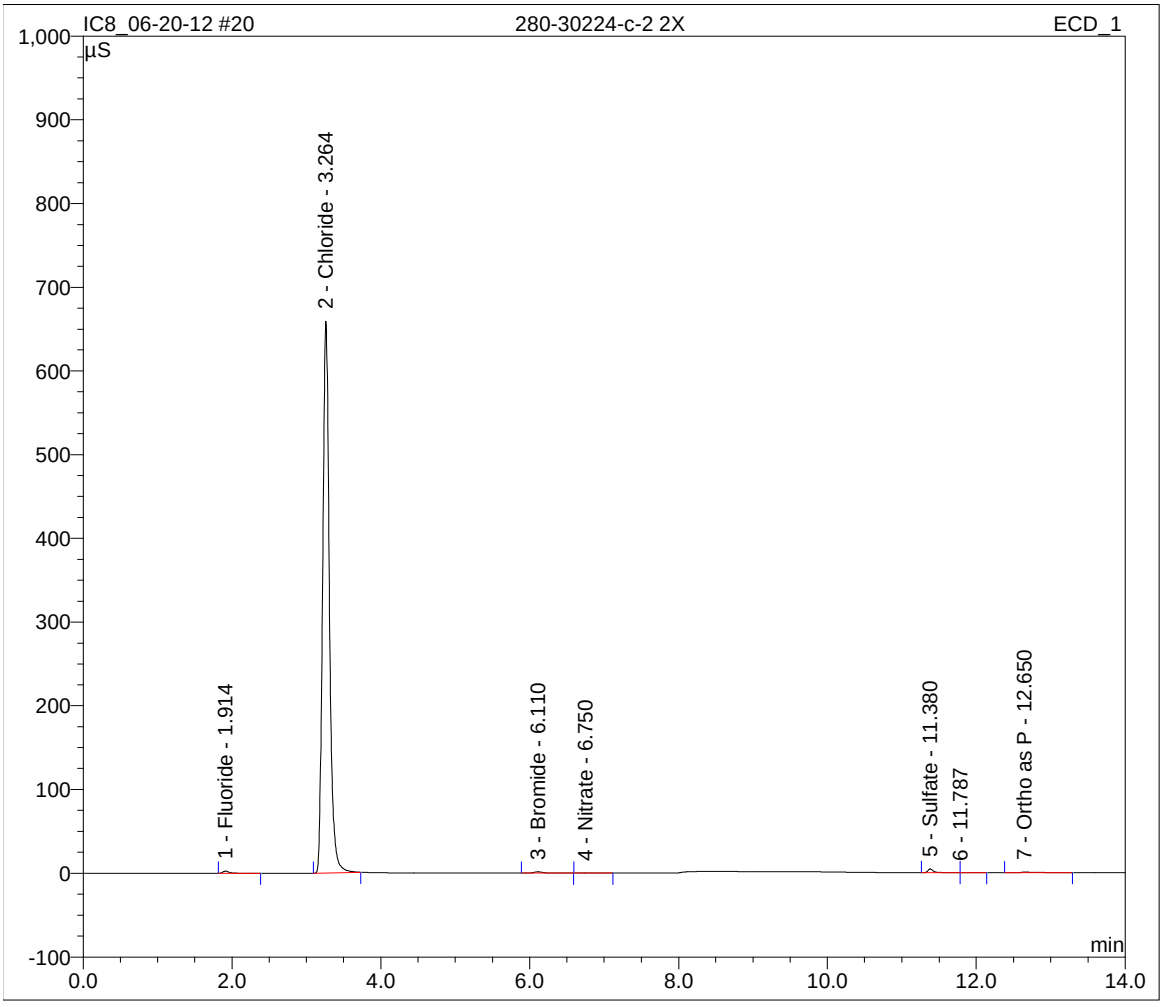
Sample Name:	**DU 280-30224-c-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 11:58**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.094	1.157	0.3799
2	3.27	Chloride	BMB	0.619	6.654	4.6001
3	6.24	Bromide	BMB	0.004	0.031	0.1224
4	6.93	Nitrate	BMB	0.001	0.004	0.0363
5	11.26	Sulfate	BMB	11.324	77.989	105.9975
6	12.65	Ortho as P	BMB	0.110	0.299	-0.0427
TOTAL:				12.15	86.13	111.09



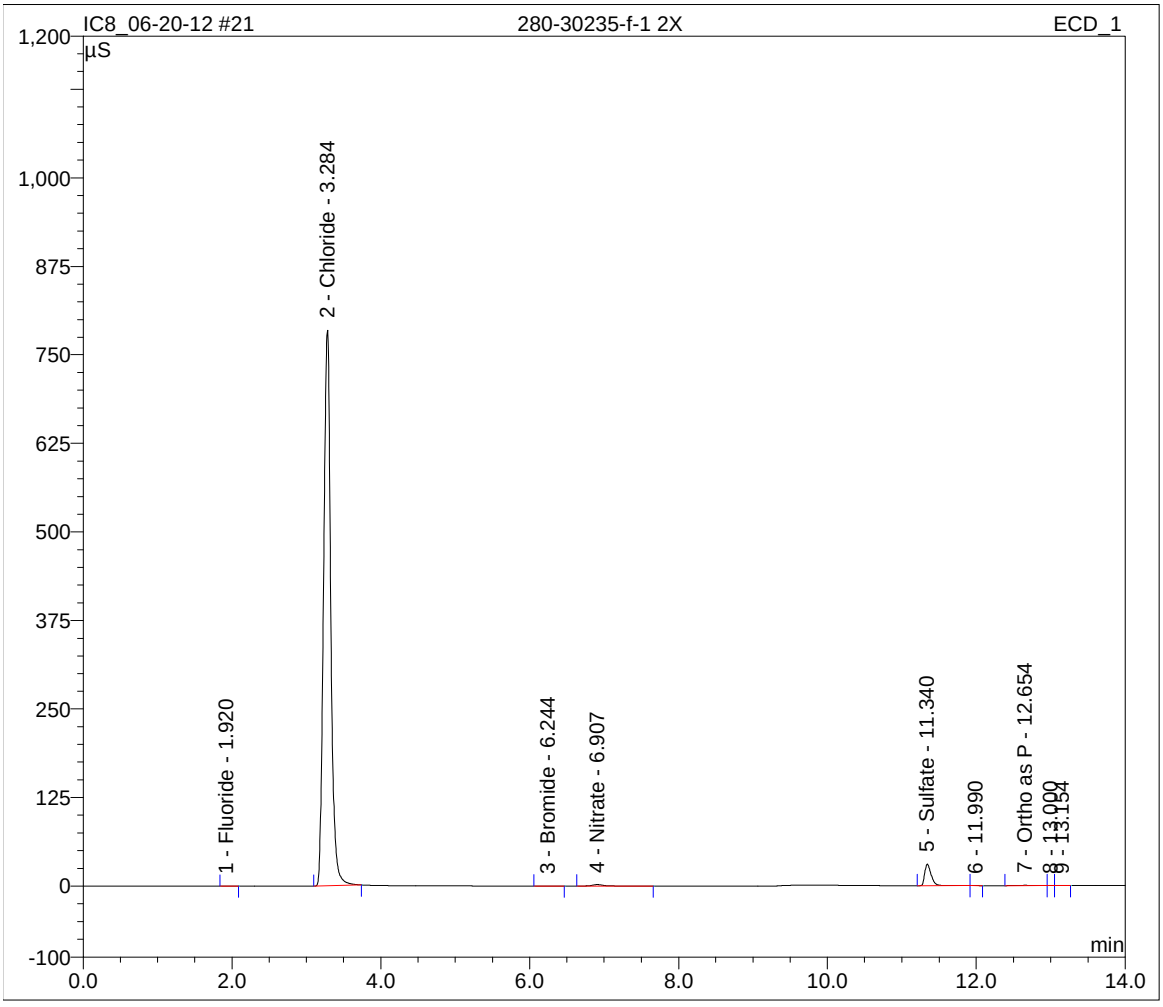
Sample Name:	**280-30224-c-2 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 12:48**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.239	2.538	2.0094
2	3.26	Chloride	BMB	69.291	659.212	1015.4164
3	6.11	Bromide	BMB	0.219	1.550	7.6729
4	6.75	Nitrate	BMB	0.004	0.025	0.0920
5	11.38	Sulfate	BMB	0.361	4.404	6.1994
7	12.65	Ortho as P	BMB	0.137	0.868	0.1975
		TOTAL:		70.25	668.60	1031.59



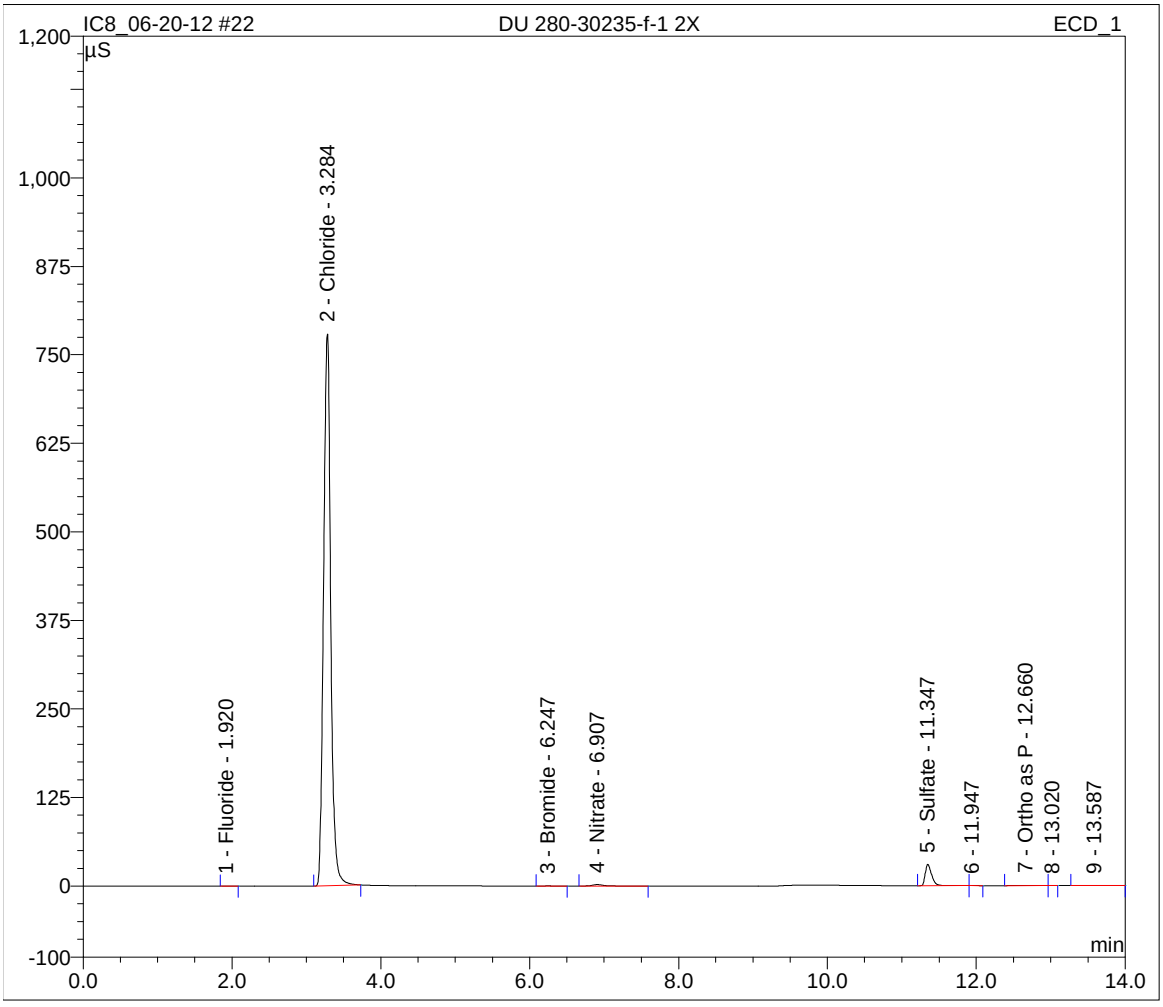
Sample Name:	**280-30235-f-1 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 13:05**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.006	0.069	0.0063
2	3.28	Chloride	BMB	87.743	784.384	1285.7946
3	6.24	Bromide	BMB	0.007	0.051	0.3394
4	6.91	Nitrate	BMB	0.324	1.972	1.9427
5	11.34	Sulfate	BMb	3.003	30.371	55.7925
7	12.65	Ortho as P	BMb	0.066	0.446	-0.5543
		TOTAL:		91.15	817.29	1343.32



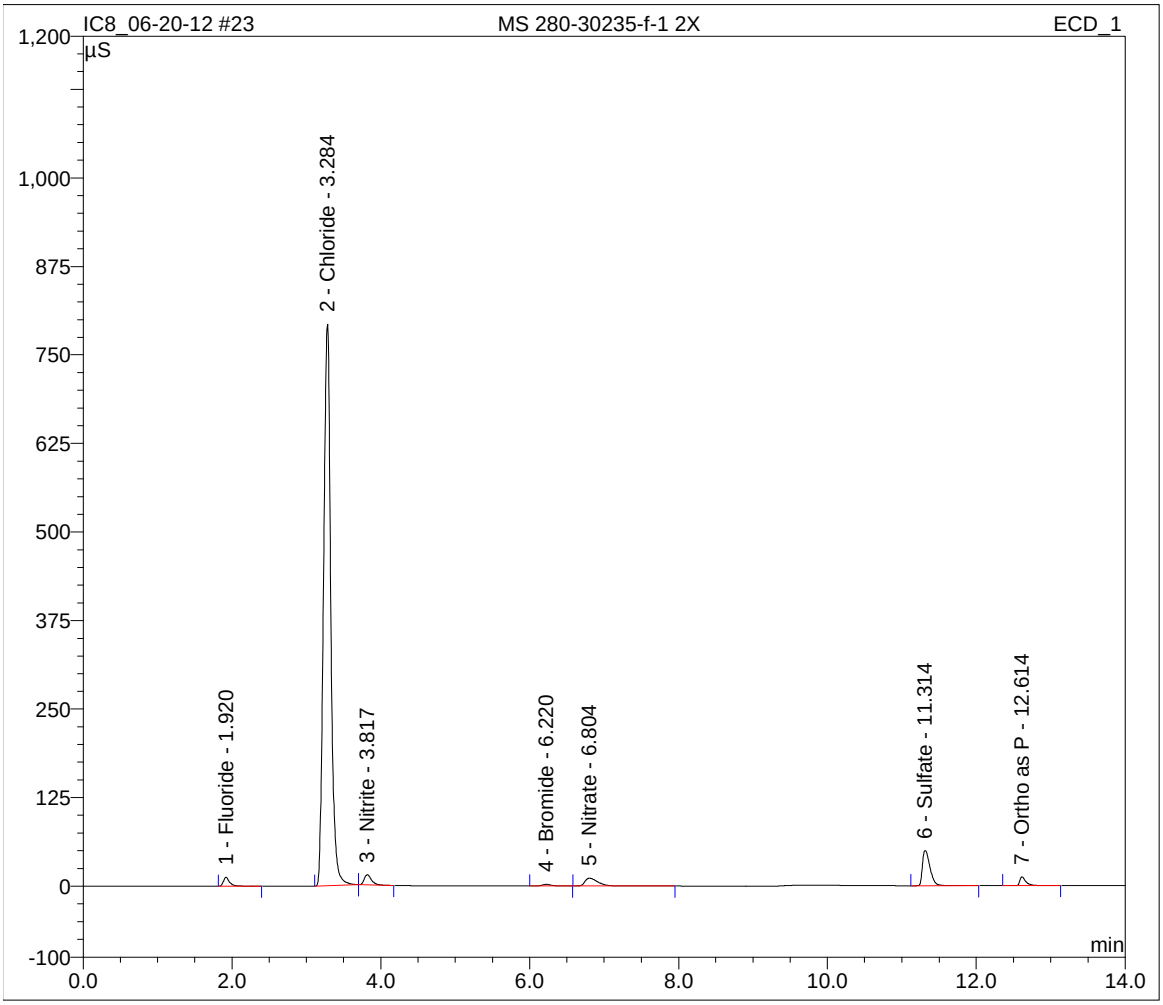
Sample Name:	**DU 280-30235-f-1 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 13:22**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.005	0.061	0.0001
2	3.28	Chloride	BMB	86.638	779.139	1269.5971
3	6.25	Bromide	BMB	0.007	0.052	0.3442
4	6.91	Nitrate	BMB	0.319	1.960	1.9137
5	11.35	Sulfate	BMb	2.965	30.010	55.0685
7	12.66	Ortho as P	BMb	0.059	0.366	-0.6267
		TOTAL:		89.99	811.59	1326.30



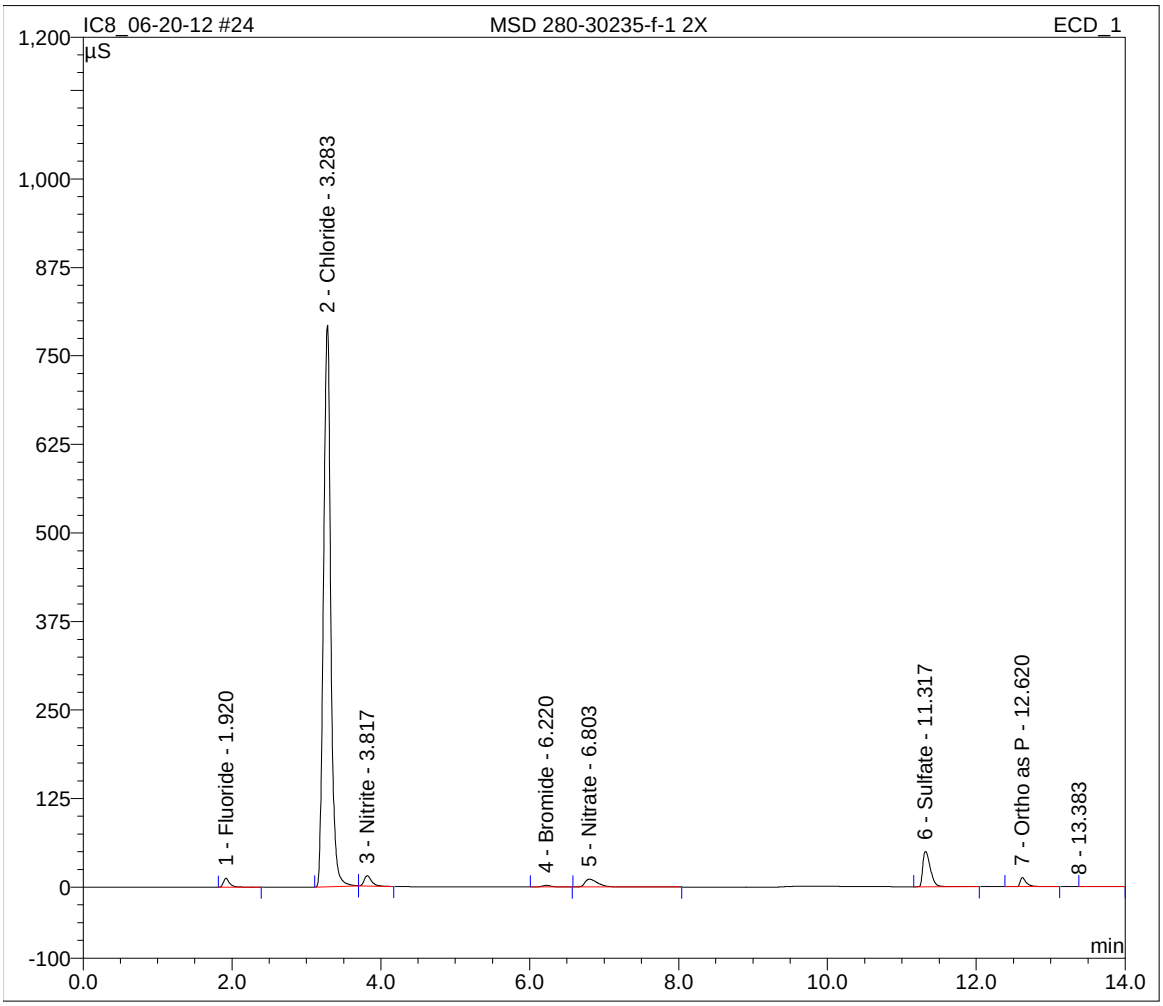
Sample Name:	**MS 280-30235-f-1 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 13:39**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.213	12.643	10.3721
2	3.28	Chloride	BMb	88.909	792.838	1302.8759
3	3.82	Nitrite	bMB	1.639	14.470	8.9822
4	6.22	Bromide	BMB	0.325	2.284	11.3218
5	6.80	Nitrate	BMB	2.218	11.175	12.9089
6	11.31	Sulfate	BMB	5.806	49.627	108.3985
7	12.61	Ortho as P	BMB	1.194	12.520	11.3924
		TOTAL:		101.30	895.56	1466.25



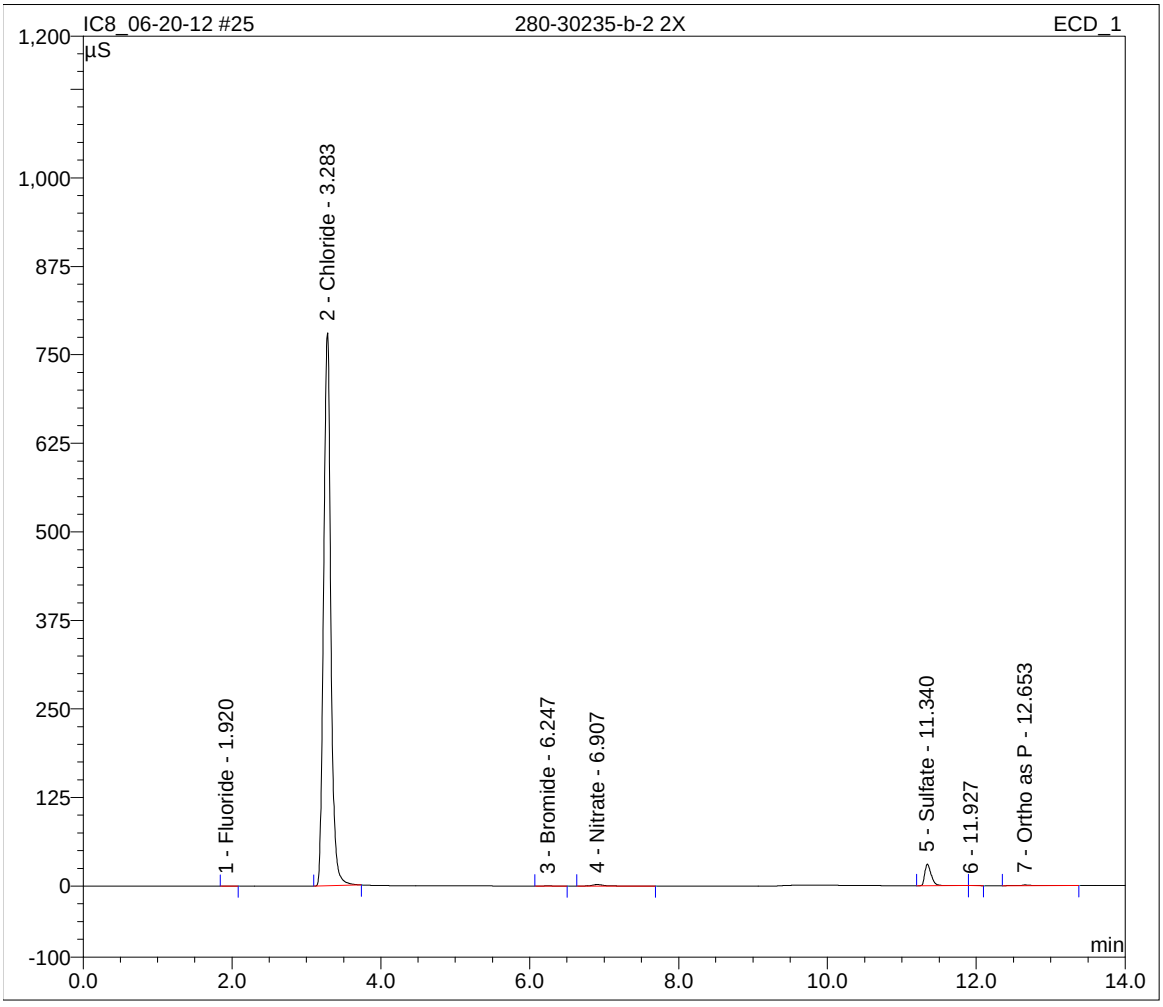
Sample Name:	**MSD 280-30235-f-1 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 13:56**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.214	12.636	10.3867
2	3.28	Chloride	BMb	89.041	793.037	1304.8140
3	3.82	Nitrite	bMB	1.637	14.435	8.9674
4	6.22	Bromide	BMB	0.324	2.280	11.3063
5	6.80	Nitrate	BMB	2.217	11.166	12.8978
6	11.32	Sulfate	BMB	5.804	49.574	108.3594
7	12.62	Ortho as P	BMB	1.226	12.744	11.7349
TOTAL:				101.46	895.87	1468.47



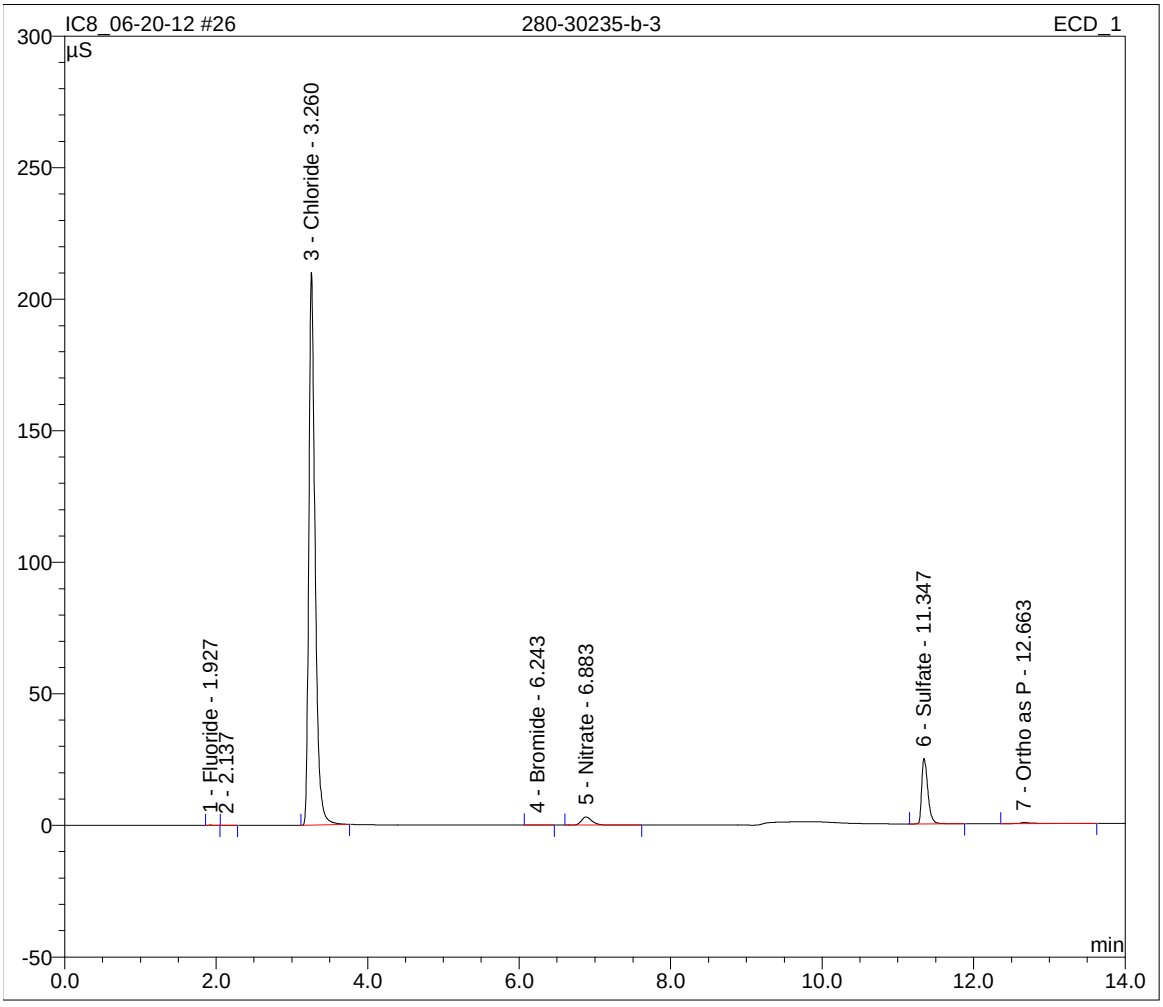
Sample Name:	**280-30235-b-2 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 14:13**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.010	0.119	0.0420
2	3.28	Chloride	BMB	86.923	781.090	1273.7772
3	6.25	Bromide	BMB	0.007	0.053	0.3536
4	6.91	Nitrate	BMB	0.329	2.002	1.9707
5	11.34	Sulfate	BMb	3.004	30.313	55.8075
7	12.65	Ortho as P	BMB	0.160	0.956	0.4471
		TOTAL:		90.43	814.53	1332.40



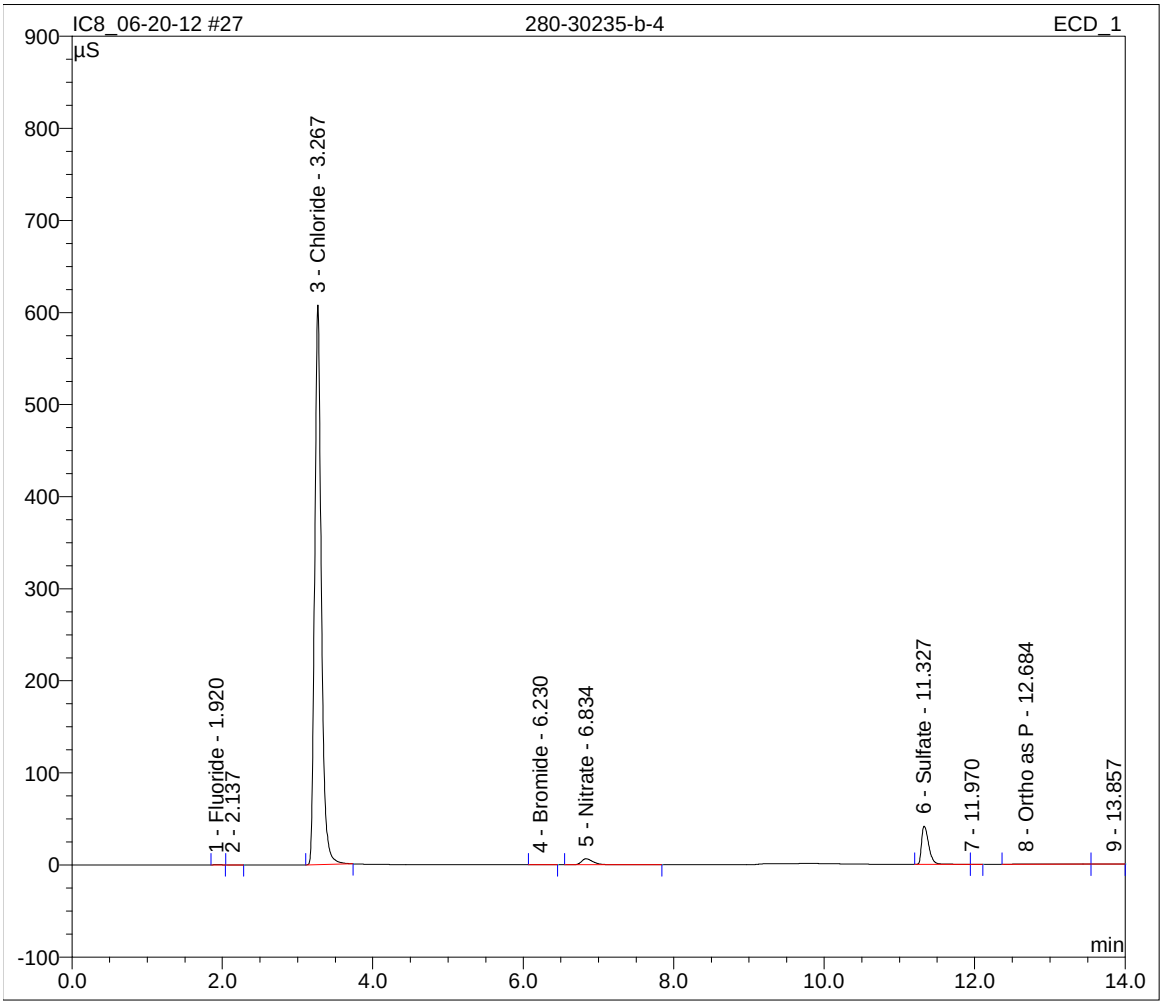
Sample Name:	**280-30235-b-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 14:29**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.007	0.094	0.0084
3	3.26	Chloride	BMB	20.260	210.169	148.4946
4	6.24	Bromide	BMB	0.002	0.014	0.0830
5	6.88	Nitrate	BMB	0.514	3.096	1.5210
6	11.35	Sulfate	BMB	2.334	24.839	21.6101
7	12.66	Ortho as P	BMB	0.132	0.498	0.0742
		TOTAL:		23.25	238.71	171.79



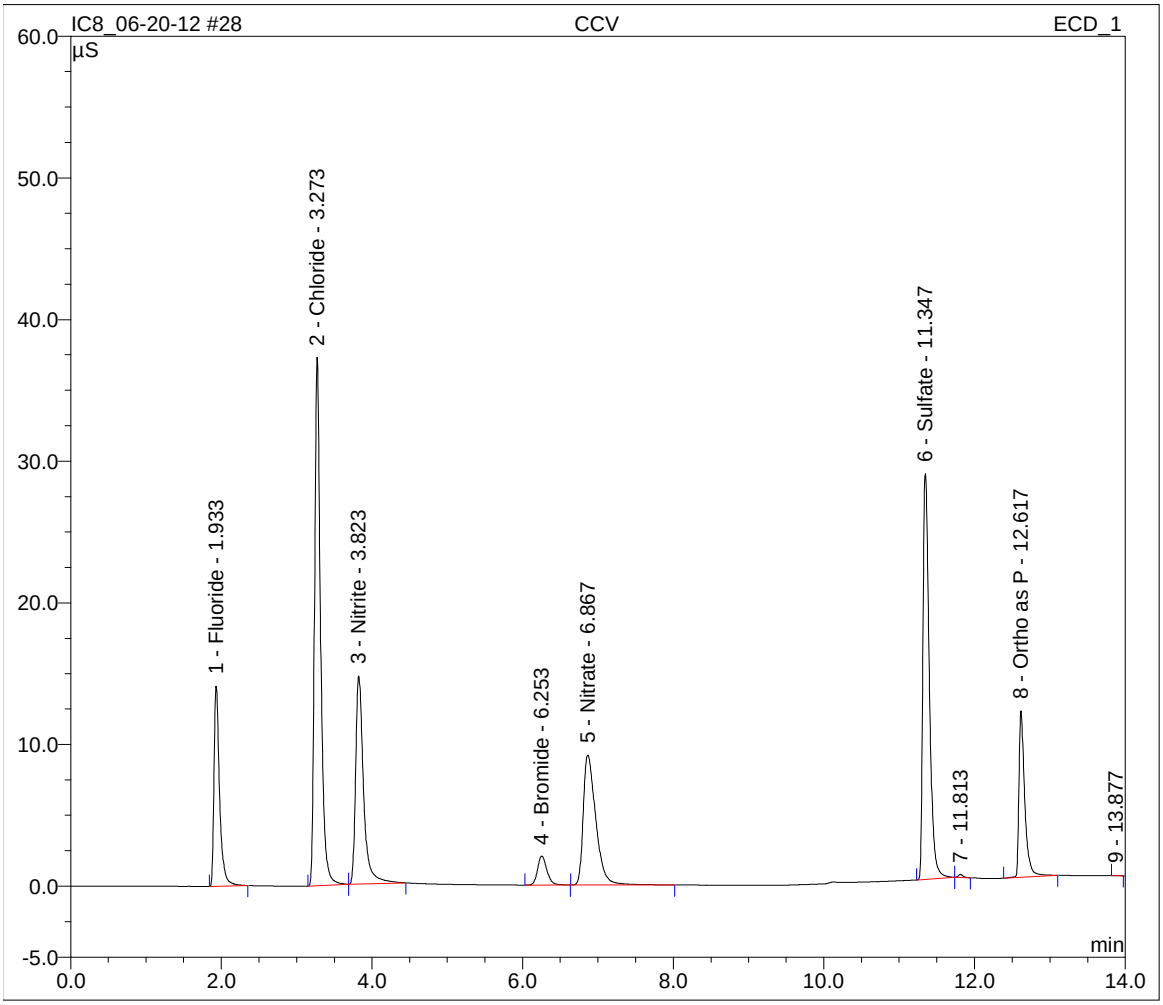
Sample Name:	**280-30235-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 14:46**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.005	0.065	-0.0006
3	3.27	Chloride	BMB	61.668	607.750	451.8648
4	6.23	Bromide	BMB	0.005	0.040	0.1415
5	6.83	Nitrate	BMB	1.153	6.512	3.3704
6	11.33	Sulfate	BMb	4.522	41.385	42.1482
8	12.68	Ortho as P	BMB	0.108	0.361	-0.0514
		TOTAL:		67.46	656.11	497.47



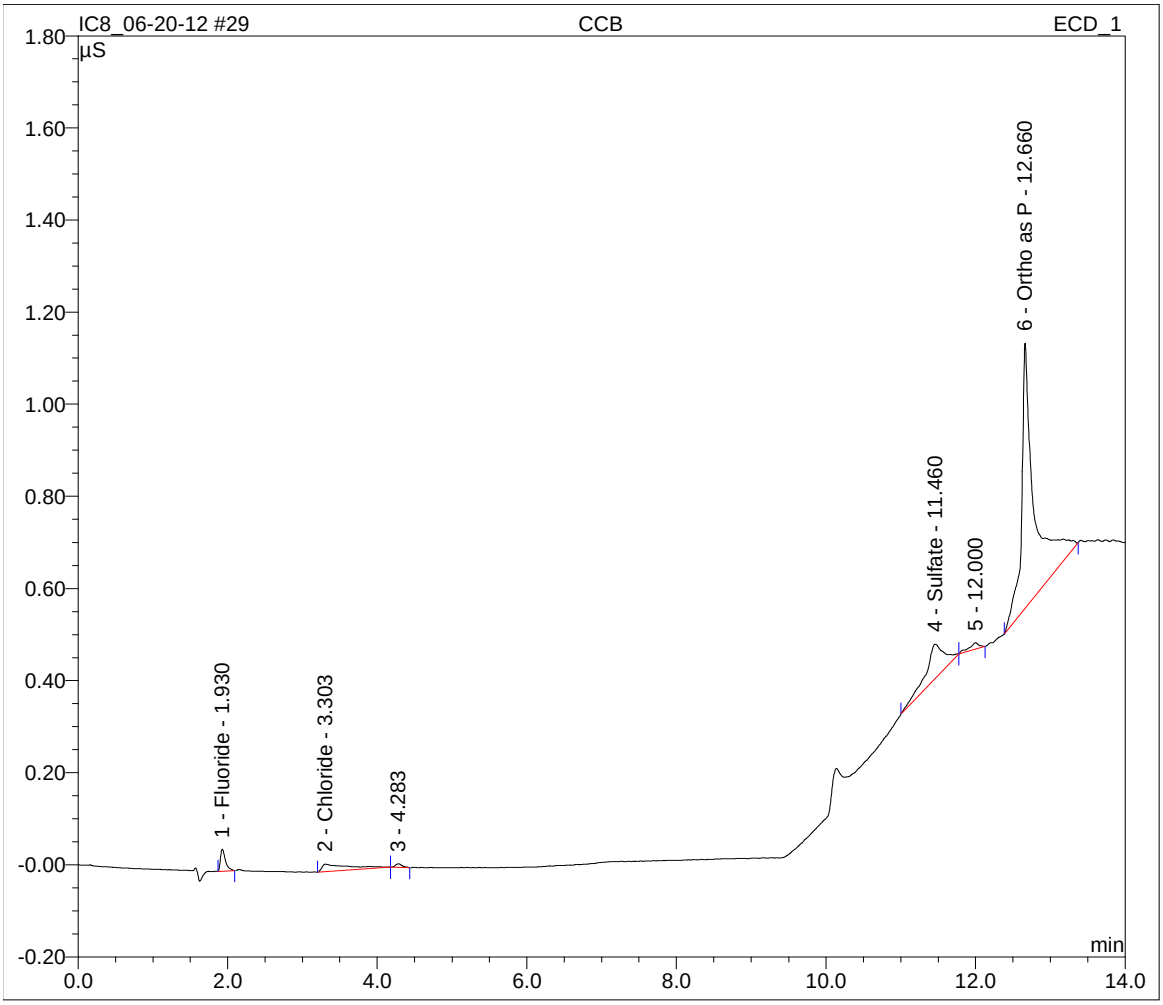
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 15:03**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.201	14.120	5.1345
2	3.27	Chloride	BMB	3.499	37.290	25.6972
3	3.82	Nitrite	BMB	1.788	14.689	4.8949
4	6.25	Bromide	BMB	0.293	2.039	5.1110
5	6.87	Nitrate	BMB	1.765	9.160	5.1410
6	11.35	Sulfate	BMb	2.827	28.637	26.2374
8	12.62	Ortho as P	BMB	1.048	11.731	4.9246
TOTAL:				12.42	117.67	77.14



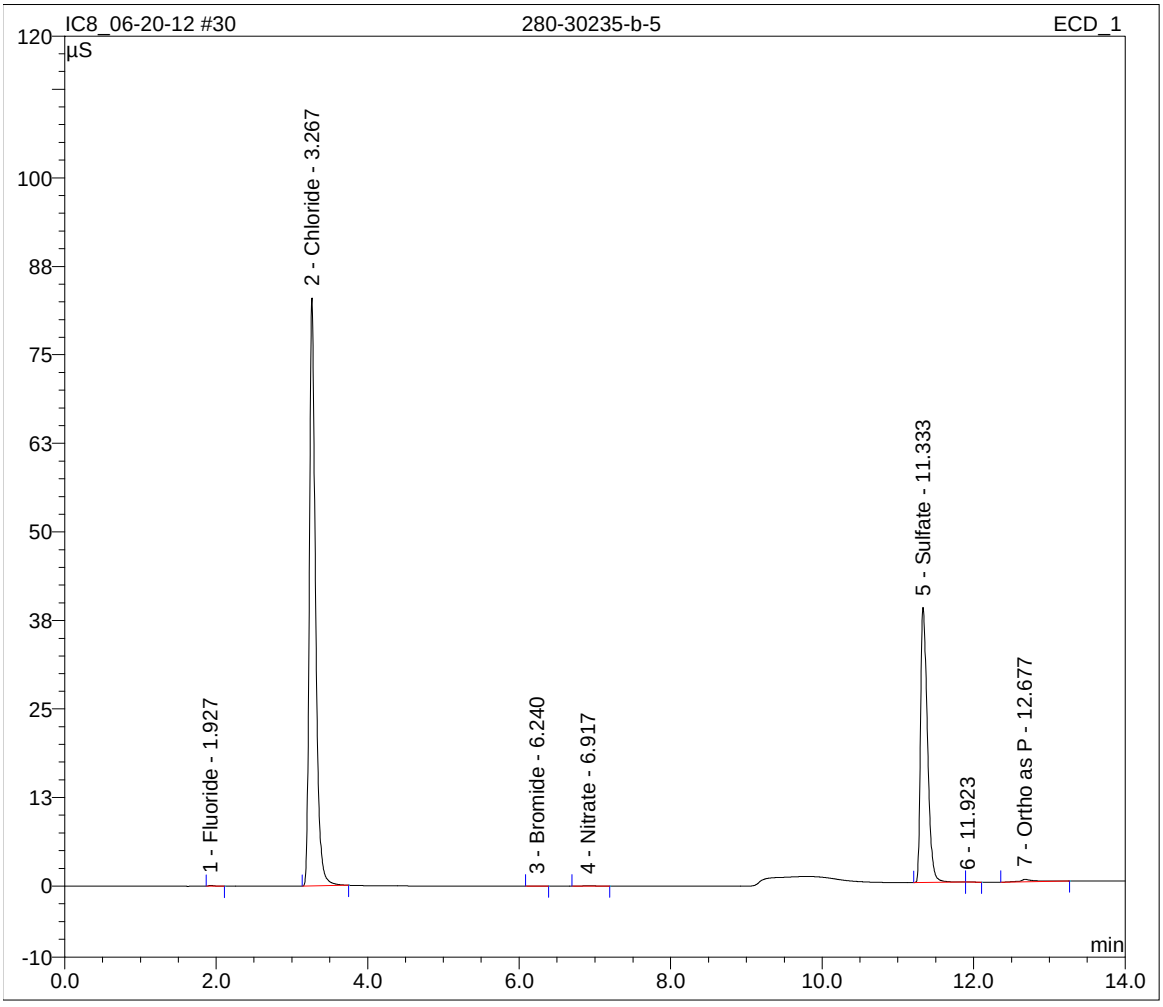
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 15:20**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.004	0.048	-0.0072
2	3.30	Chloride	BMB	0.007	0.016	0.1140
4	11.46	Sulfate	BMB	0.021	0.074	-0.0954
6	12.66	Ortho as P	BMB	0.115	0.576	-0.0155
		TOTAL:		0.15	0.71	0.00



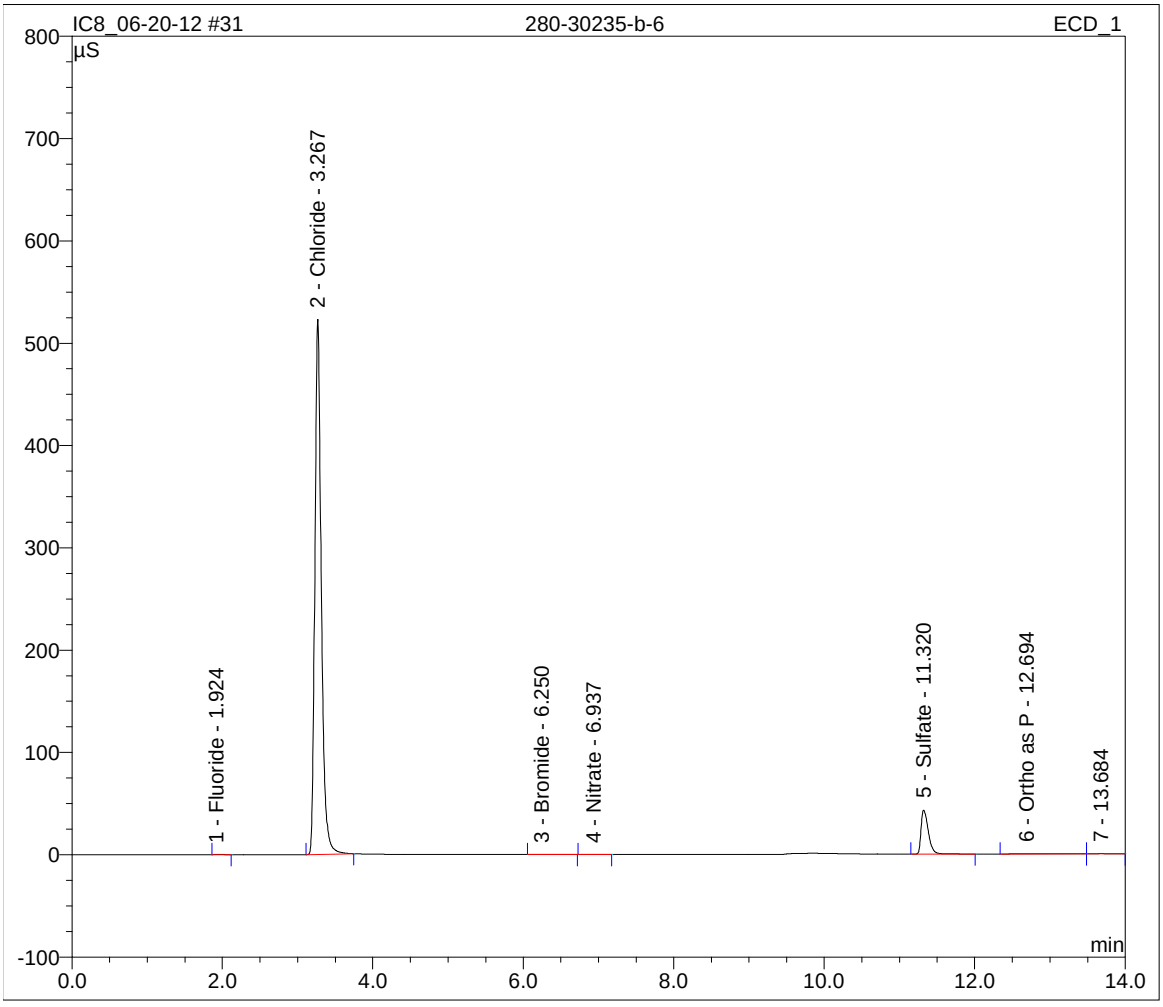
Sample Name:	**280-30235-b-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 15:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.008	0.113	0.0137
2	3.27	Chloride	BMB	7.857	83.030	57.6276
3	6.24	Bromide	BMB	0.001	0.011	0.0739
4	6.92	Nitrate	BMB	0.005	0.028	0.0477
5	11.33	Sulfate	BMb	4.139	38.825	38.5568
7	12.68	Ortho as P	BMB	0.082	0.359	-0.1916
		TOTAL:		12.09	122.37	96.13



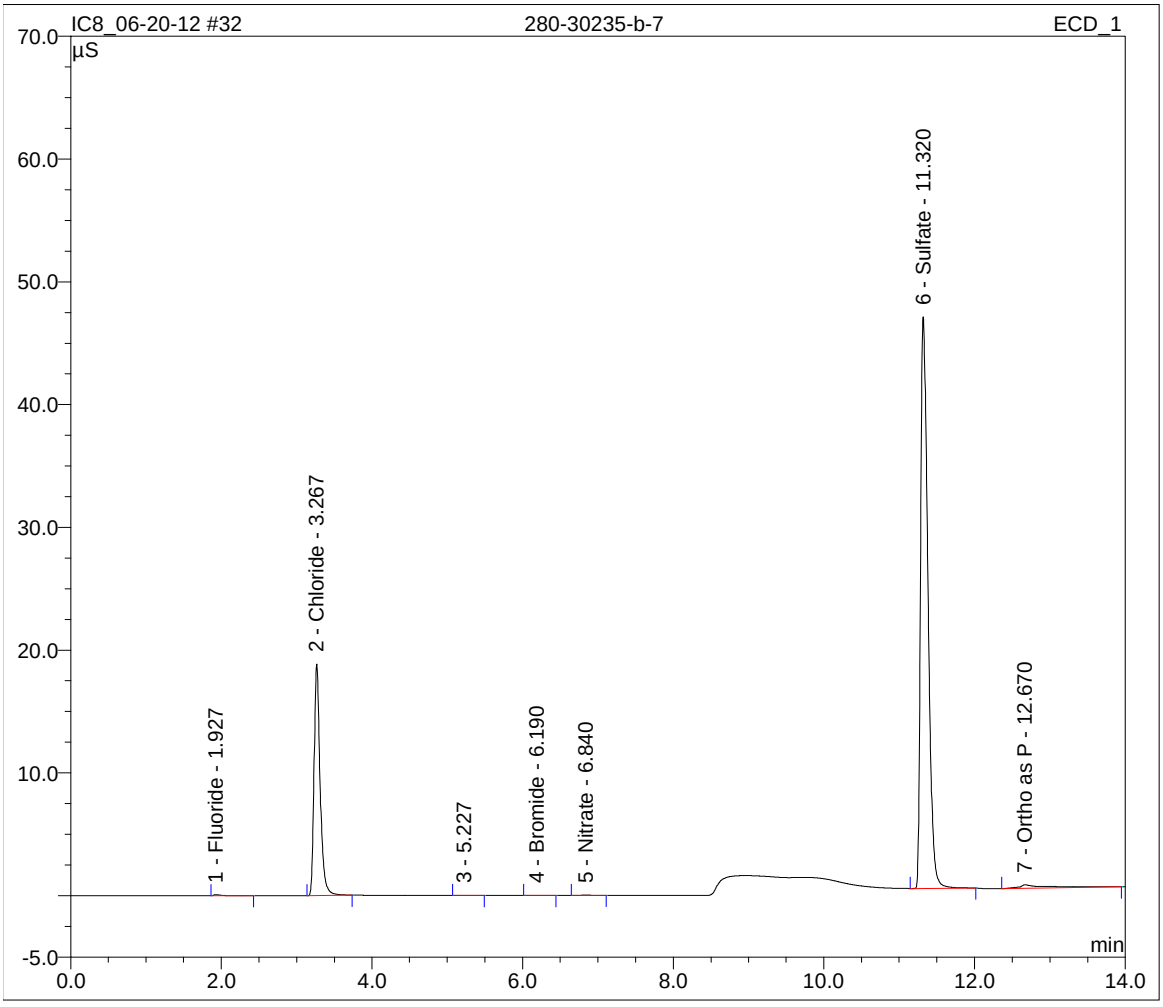
Sample Name:	**280-30235-b-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 15:53**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.010	0.130	0.0222
2	3.27	Chloride	BMB	51.680	523.041	378.6871
3	6.25	Bromide	BMB	0.034	0.233	0.6276
4	6.94	Nitrate	BMB	0.002	0.014	0.0410
5	11.32	Sulfate	BMB	4.795	42.892	44.7128
6	12.69	Ortho as P	BMB	0.095	0.291	-0.1217
		TOTAL:		56.62	566.60	423.97



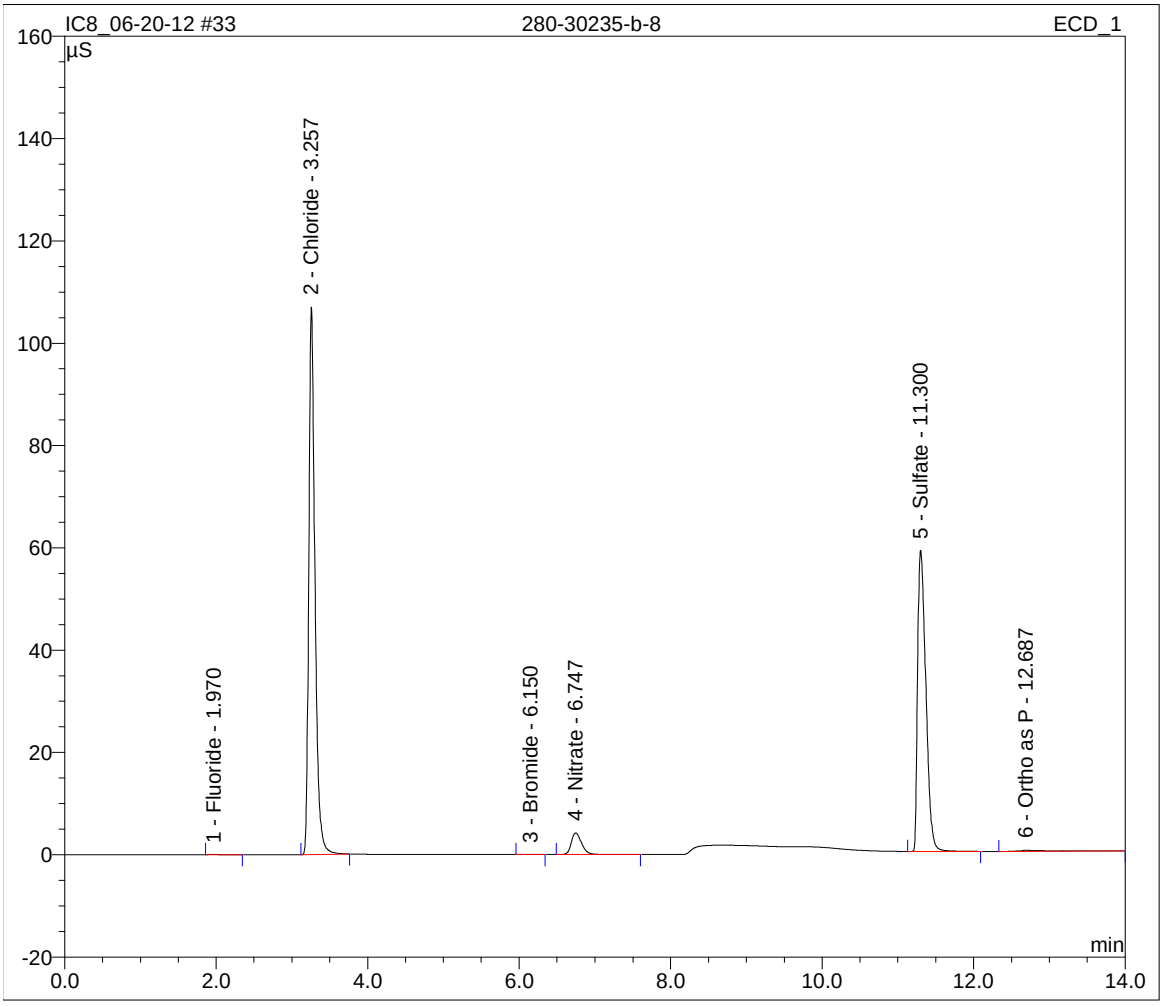
Sample Name:	**280-30235-b-7**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 16:10**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.010	0.085	0.0218
2	3.27	Chloride	BMB	1.764	18.862	12.9897
4	6.19	Bromide	BMB	0.001	0.009	0.0710
5	6.84	Nitrate	BMB	0.003	0.022	0.0446
6	11.32	Sulfate	BMB	5.339	46.556	49.8148
7	12.67	Ortho as P	BMB	0.131	0.290	0.0686
		TOTAL:		7.25	65.82	63.01



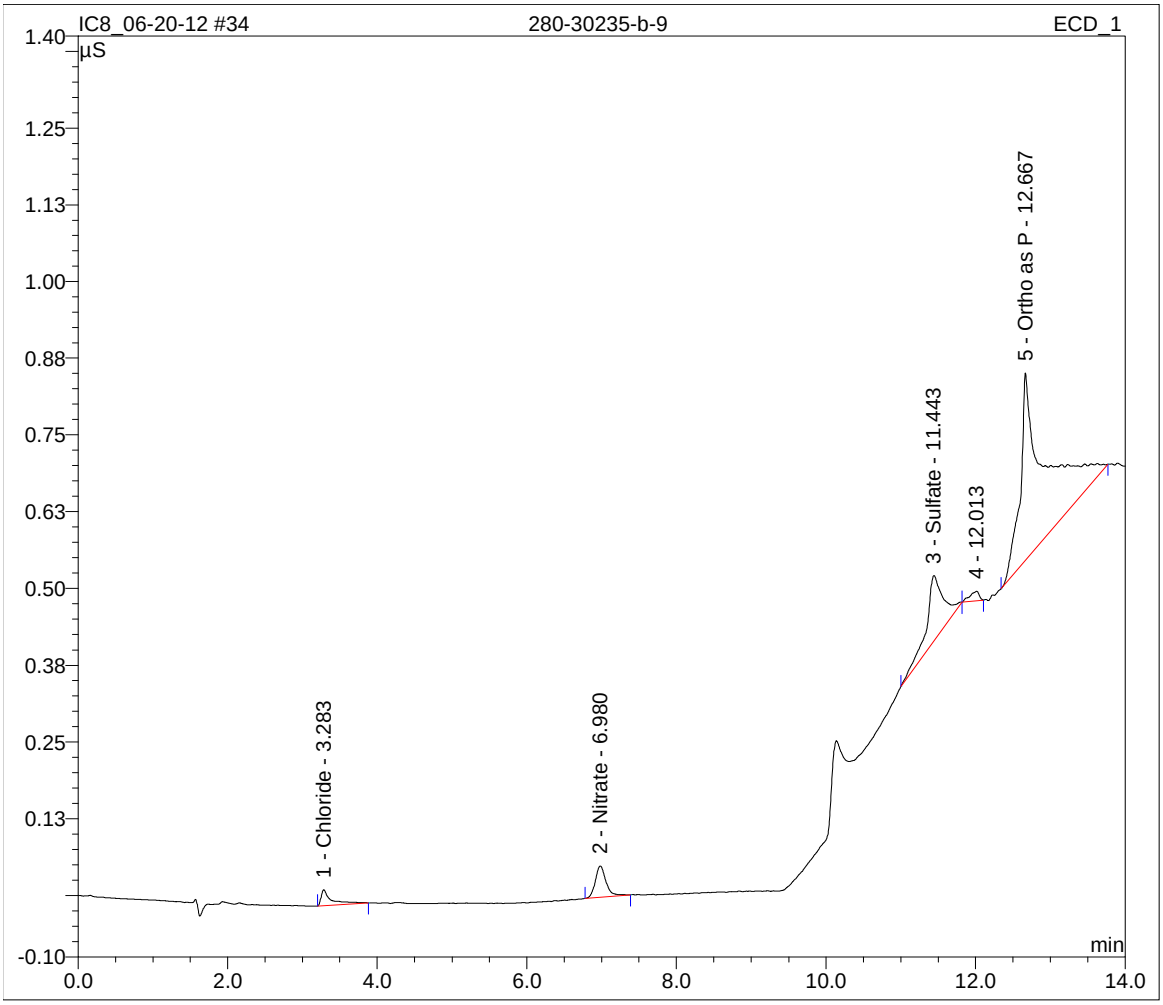
Sample Name:	**280-30235-b-8**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 16:27**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.97	Fluoride	BMB	0.005	0.036	0.0006
2	3.26	Chloride	BMB	10.167	107.009	74.5498
3	6.15	Bromide	BMB	0.006	0.043	0.1477
4	6.75	Nitrate	BMB	0.670	4.234	1.9747
5	11.30	Sulfate	BMB	7.443	58.857	69.5662
6	12.69	Ortho as P	BMB	0.130	0.244	0.0667
		TOTAL:		18.42	170.42	146.31



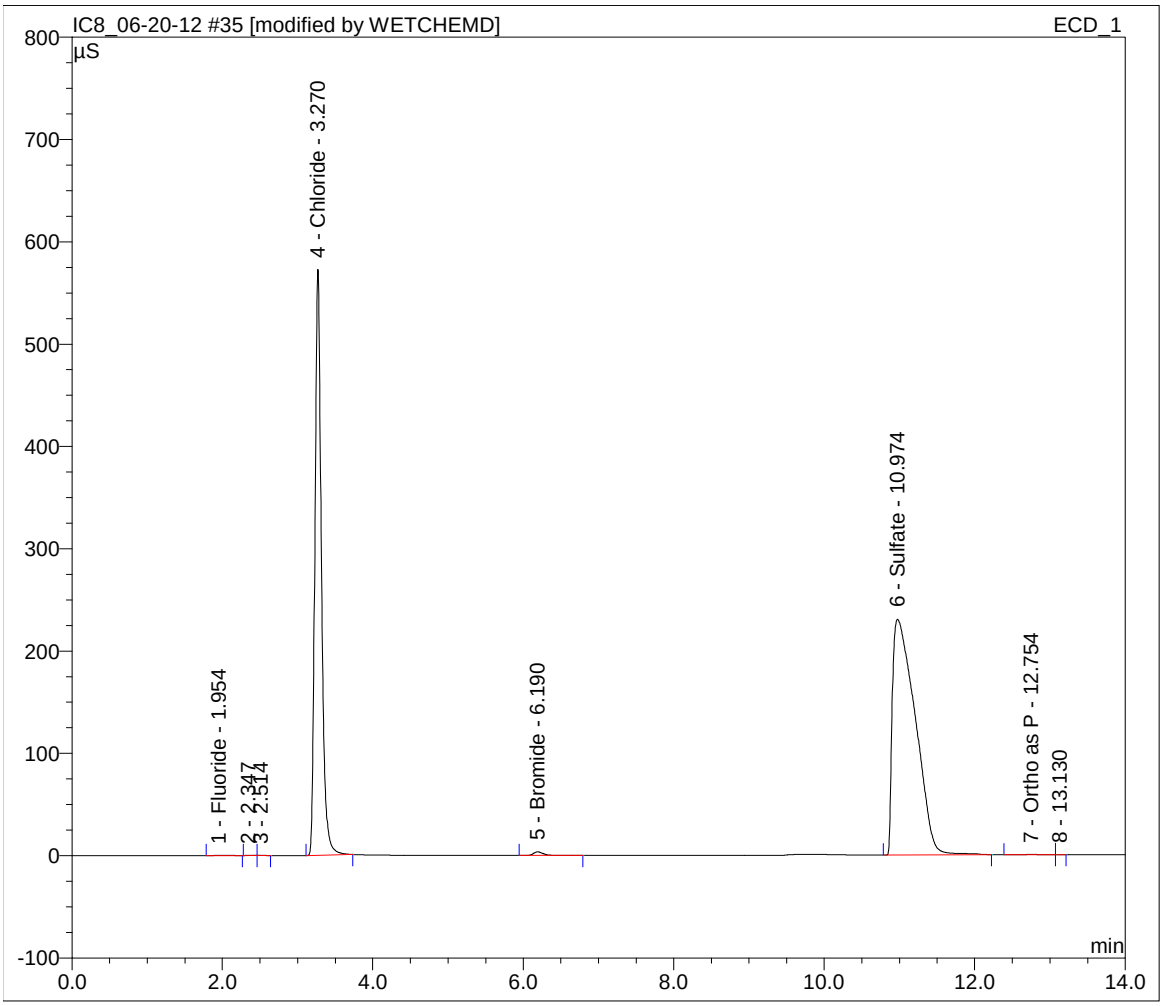
Sample Name:	**280-30235-b-9**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 16:44**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	3.28	Chloride	BMB	0.004	0.026	0.0960
2	6.98	Nitrate	BMB	0.008	0.051	0.0589
3	11.44	Sulfate	BMB	0.027	0.107	-0.0366
5	12.67	Ortho as P	BMB	0.119	0.305	0.0046
TOTAL:				0.16	0.49	0.12



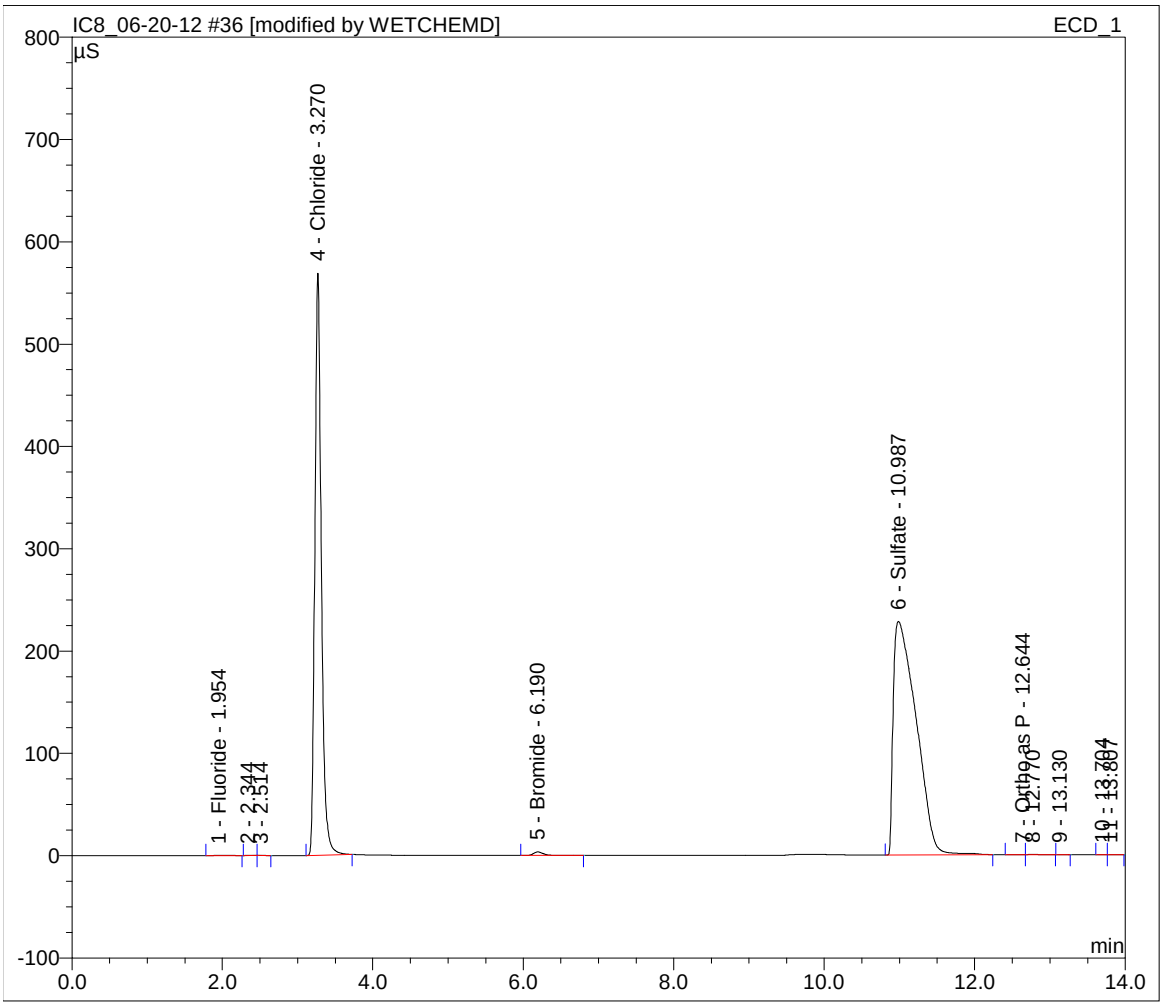
Sample Name:	**280-30225-a-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 17:01**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.95	Fluoride	BMB	0.013	0.115	0.1693
4	3.27	Chloride	BMB	57.394	572.644	2102.7691
5	6.19	Bromide	BMB	0.514	3.493	44.6481
6	10.97	Sulfate	BMB*	80.860	230.397	3793.2357
7	12.75	Ortho as P	BMb	0.054	0.156	-1.6932
		TOTAL:		138.84	806.81	5939.13



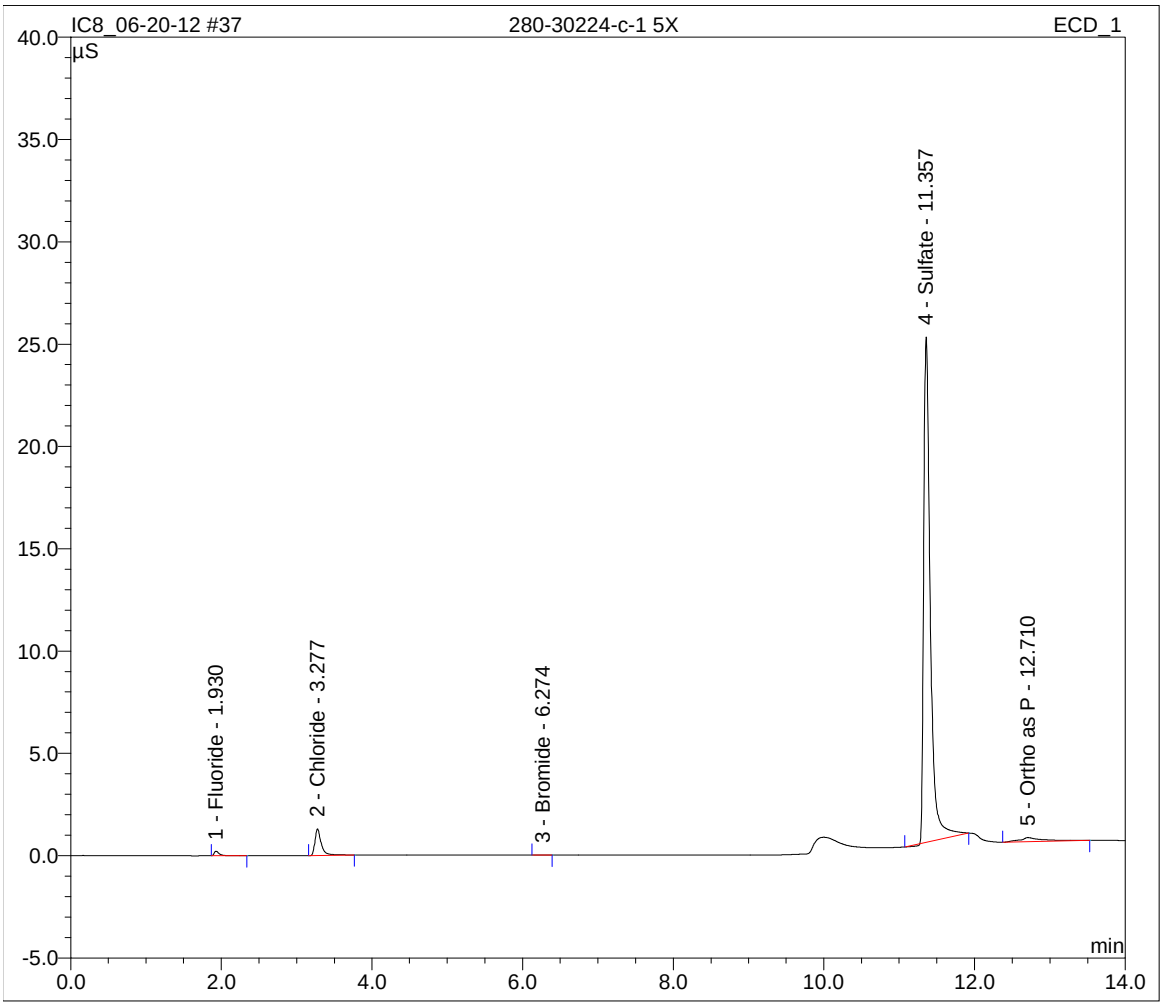
Sample Name:	**280-30225-a-2 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 17:17**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.95	Fluoride	BMB	0.013	0.115	0.1684
4	3.27	Chloride	BMB	56.702	569.003	2077.4000
5	6.19	Bromide	BMB	0.508	3.454	44.1791
6	10.99	Sulfate	BMB*	80.041	228.374	3754.7969
7	12.64	Ortho as P	BMb	0.006	0.017	-2.9709
		TOTAL:		137.27	800.96	5873.57



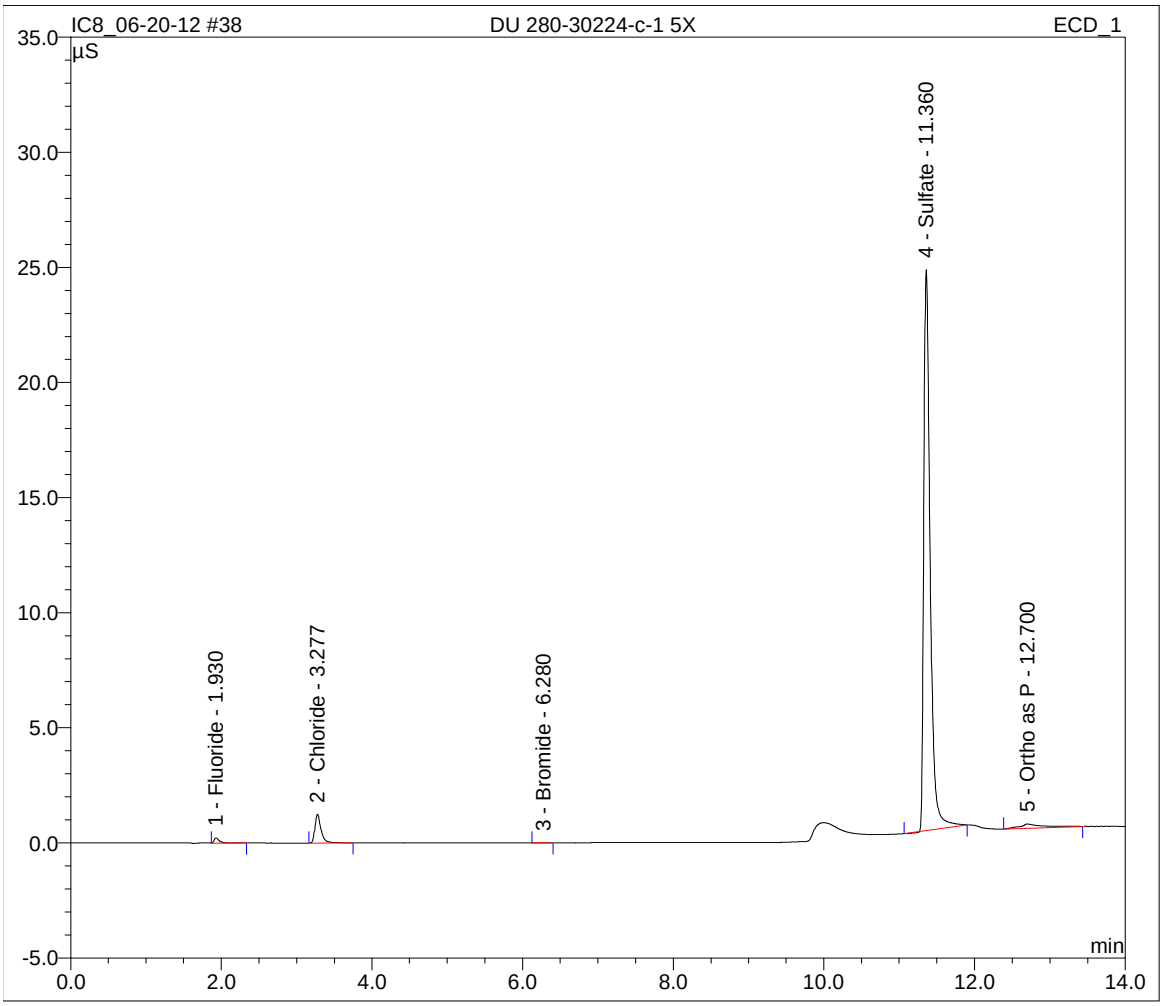
Sample Name:	**280-30224-c-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 17:34**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.018	0.222	0.2700
2	3.28	Chloride	BMB	0.129	1.303	5.0590
3	6.27	Bromide	BMB	0.001	0.005	0.3004
4	11.36	Sulfate	BMB	2.511	24.709	116.3793
5	12.71	Ortho as P	BMB	0.074	0.203	-1.1569
		TOTAL:		2.73	26.44	120.85



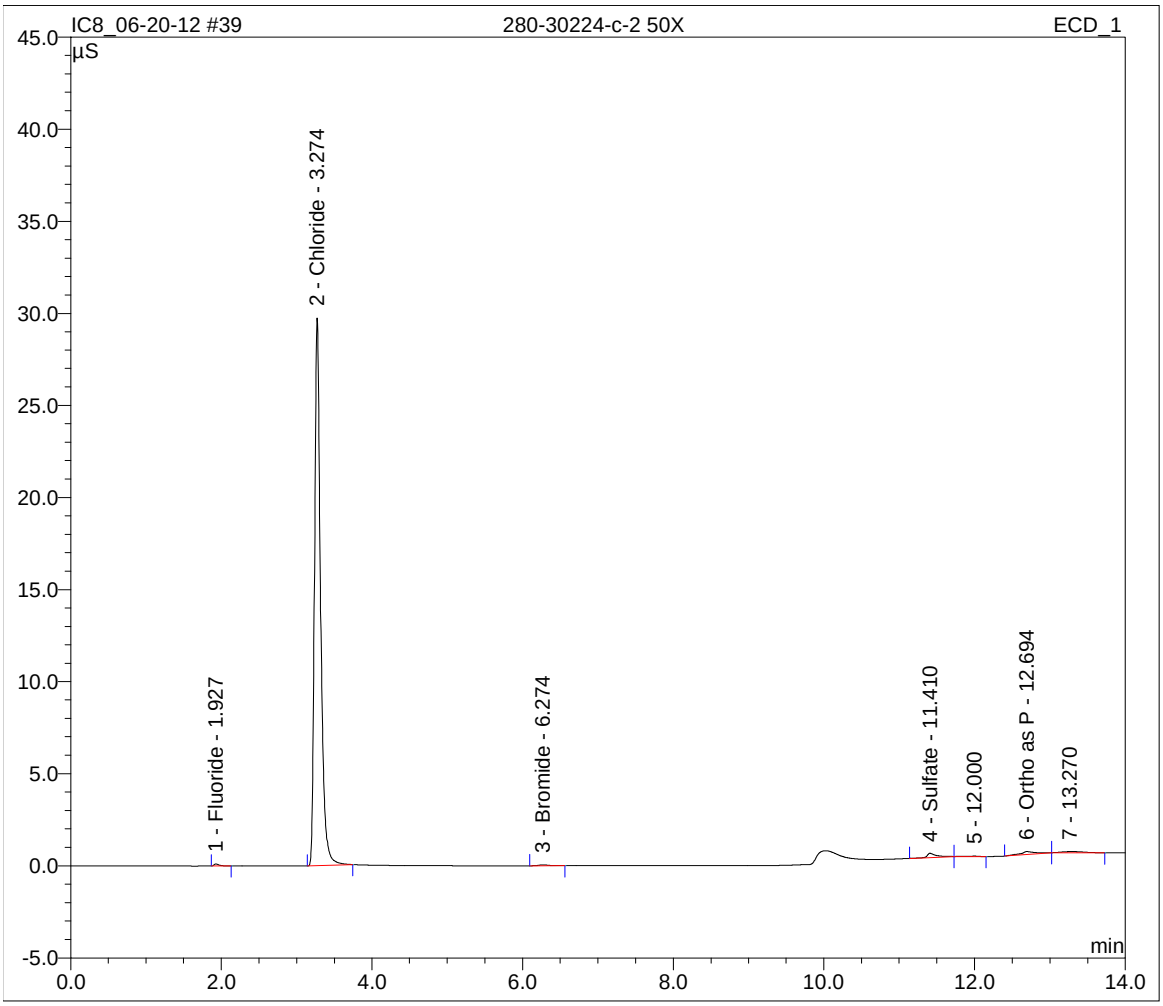
Sample Name:	**DU 280-30224-c-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 17:51**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.018	0.220	0.2665
2	3.28	Chloride	BMB	0.118	1.249	4.6325
3	6.28	Bromide	BMB	0.001	0.006	0.3021
4	11.36	Sulfate	BMB	2.395	24.376	110.9574
5	12.70	Ortho as P	BMB	0.066	0.186	-1.3796
		TOTAL:		2.60	26.04	114.78



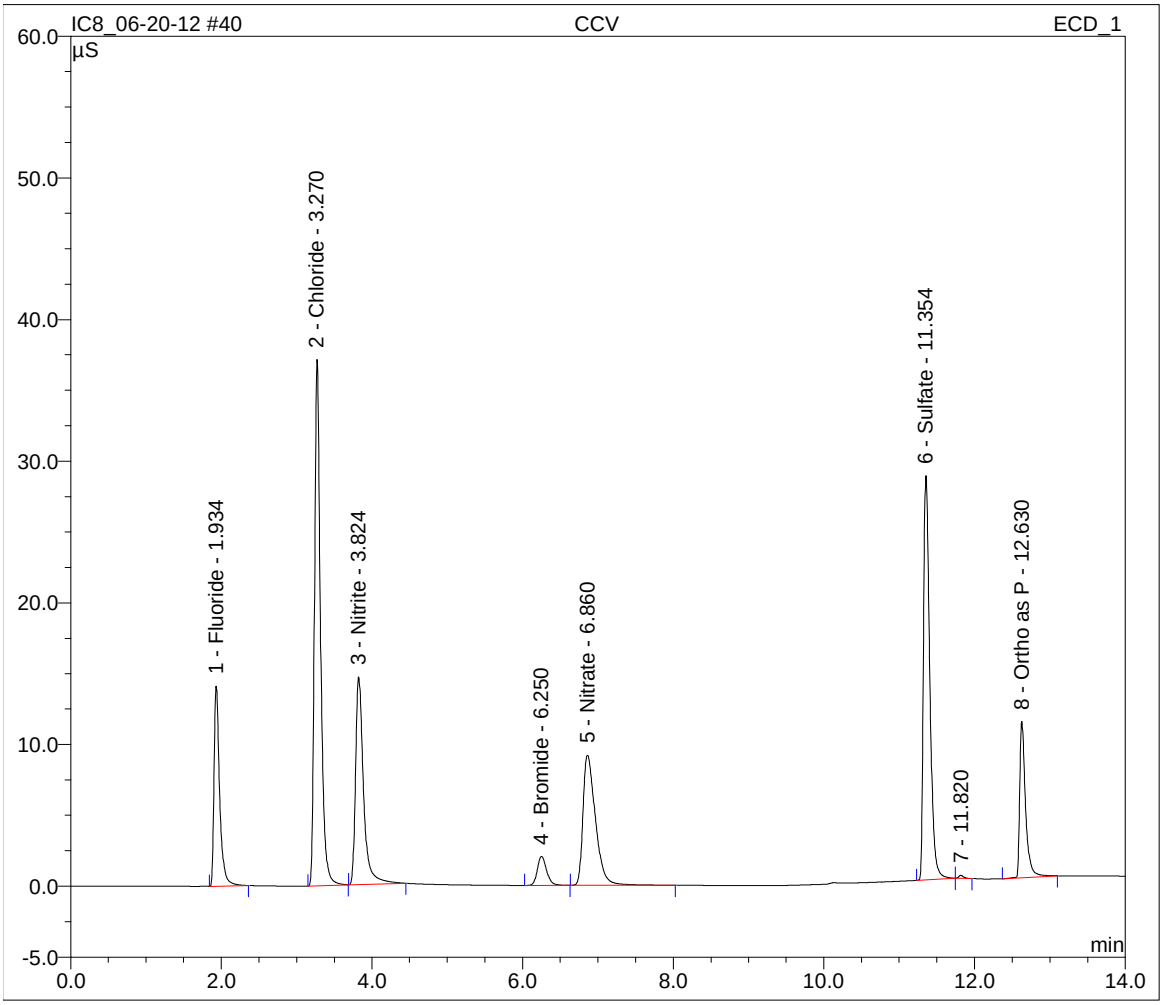
Sample Name:	**280-30224-c-2 50X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 18:08**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.008	0.109	0.6617
2	3.27	Chloride	BMB	2.803	29.743	1030.0126
3	6.27	Bromide	BMB	0.007	0.052	8.8265
4	11.41	Sulfate	BMB	0.031	0.232	0.1288
6	12.69	Ortho as P	BMB	0.036	0.158	-21.7330
		TOTAL:		2.89	30.29	1017.90



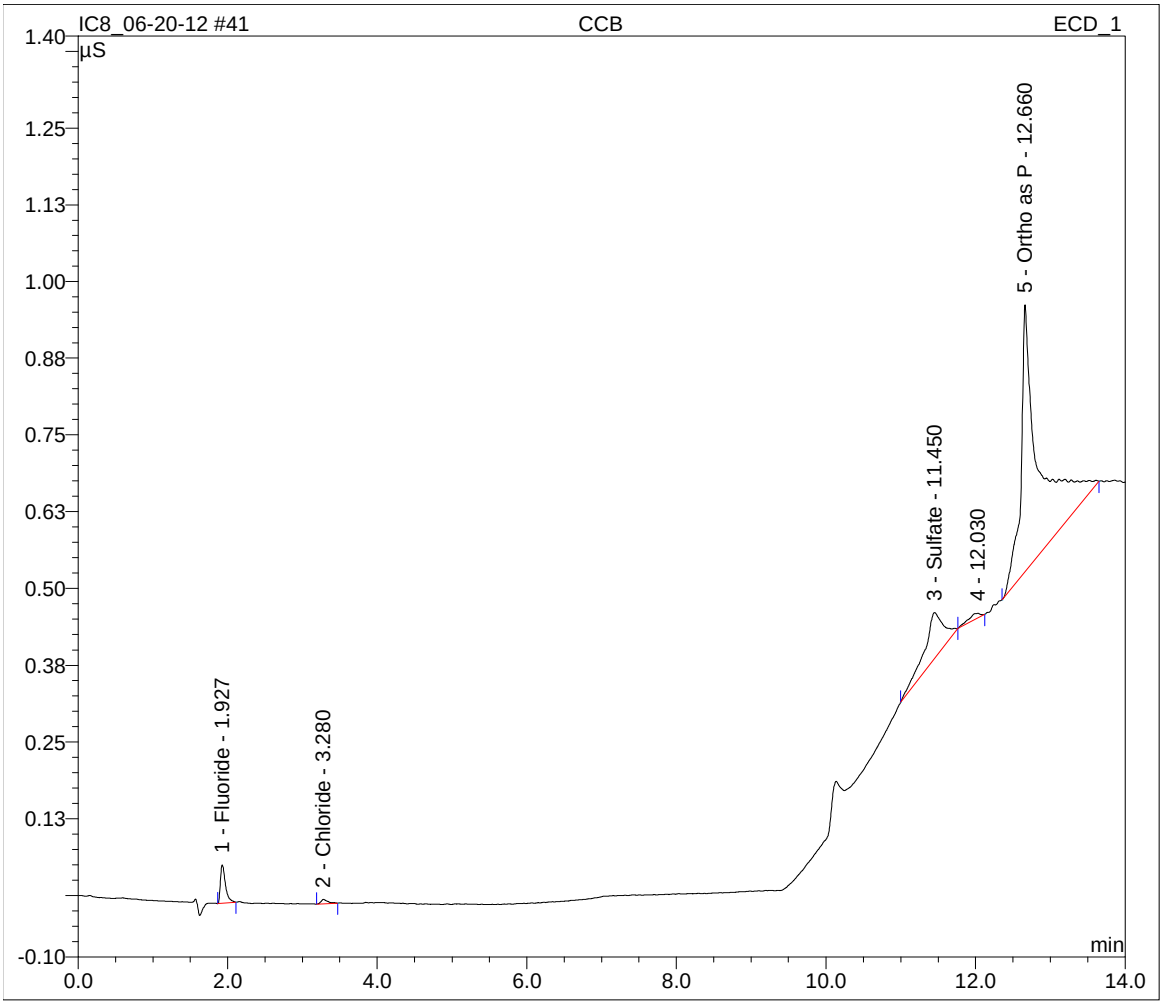
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 18:58**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.207	14.111	5.1622
2	3.27	Chloride	BMB	3.495	37.157	25.6674
3	3.82	Nitrite	BMB	1.794	14.659	4.9105
4	6.25	Bromide	BMB	0.291	2.036	5.0872
5	6.86	Nitrate	BMB	1.762	9.180	5.1346
6	11.35	Sulfate	BMb	2.787	28.529	25.8642
8	12.63	Ortho as P	BMB	0.985	11.021	4.5902
		TOTAL:		12.32	116.69	76.42



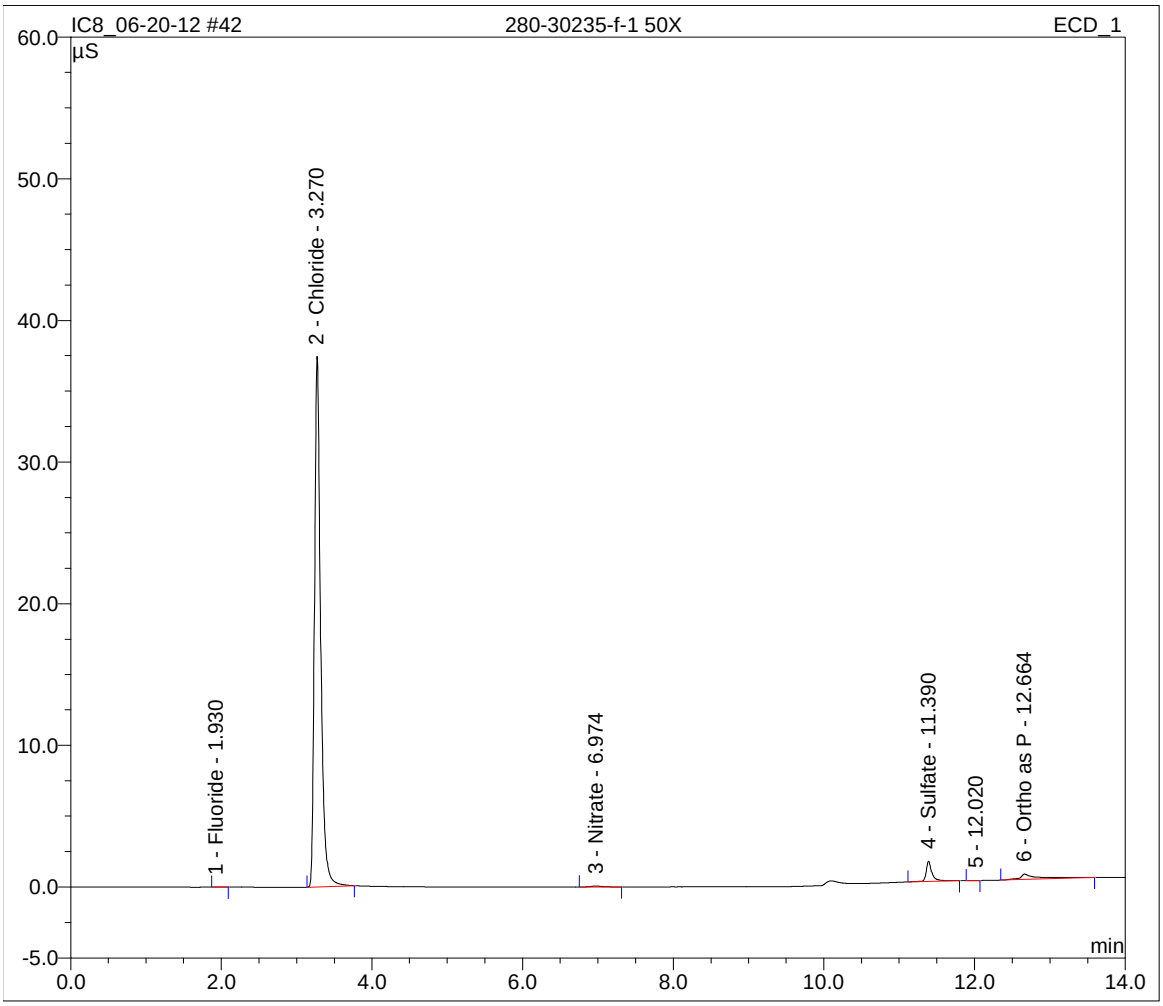
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 19:15**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.005	0.063	-0.0019
2	3.28	Chloride	BMB	0.001	0.007	0.0707
3	11.45	Sulfate	BMB	0.022	0.075	-0.0858
5	12.66	Ortho as P	BMB	0.124	0.435	0.0300
		TOTAL:		0.15	0.58	0.01



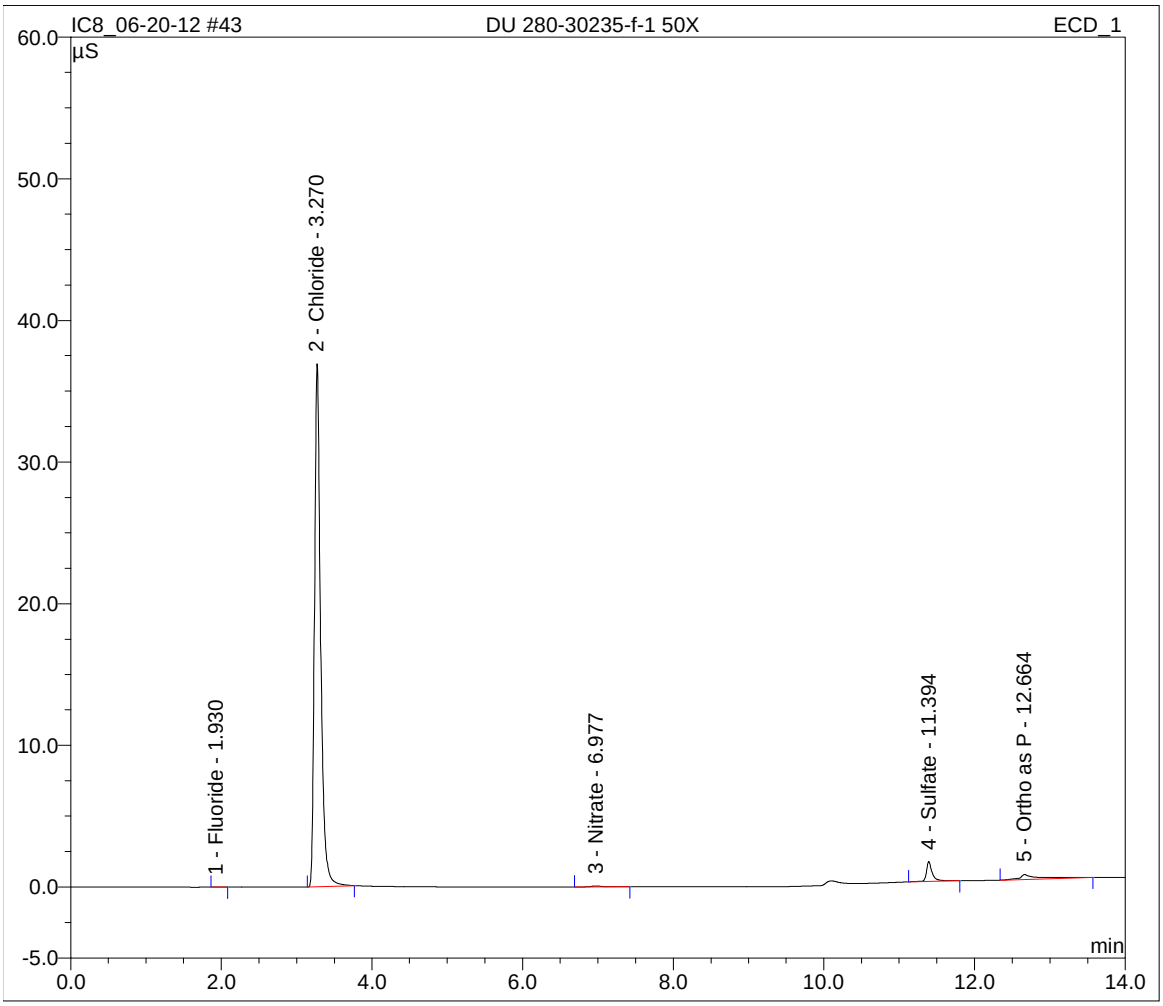
Sample Name:	**280-30235-f-1 50X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 19:32**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.001	0.015	-0.8756
2	3.27	Chloride	BMB	3.562	37.437	1308.0212
3	6.97	Nitrate	BMB	0.011	0.067	3.3072
4	11.39	Sulfate	BMB	0.128	1.426	45.5057
6	12.66	Ortho as P	BMB	0.111	0.382	-1.8958
		TOTAL:		3.81	39.33	1354.06



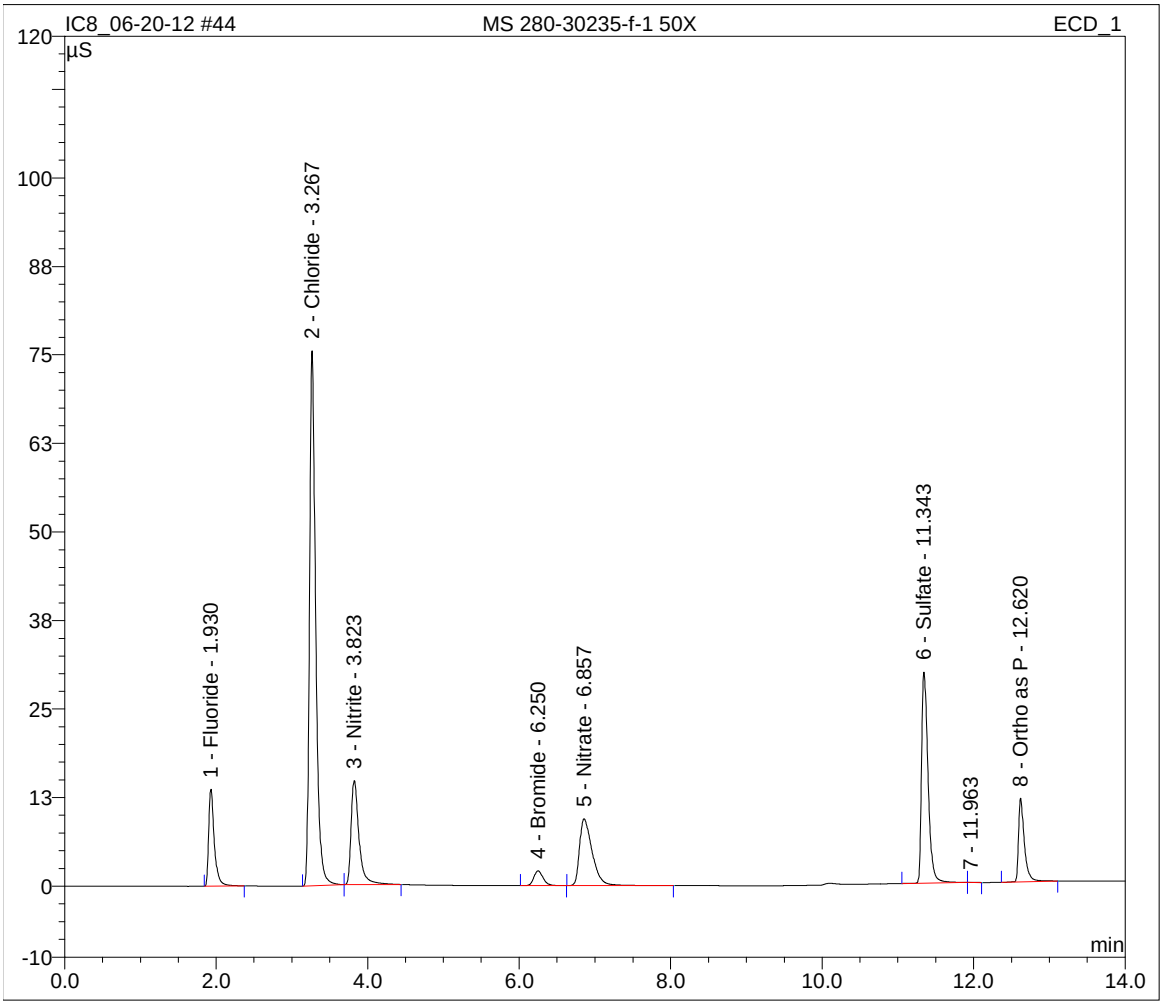
Sample Name:	**DU 280-30235-f-1 50X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 19:49**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.001	0.009	-0.9682
2	3.27	Chloride	BMB	3.500	36.910	1285.2723
3	6.98	Nitrate	BMB	0.011	0.066	3.3482
4	11.39	Sulfate	BMB	0.126	1.408	44.6920
5	12.66	Ortho as P	BMB	0.103	0.348	-3.9883
		TOTAL:		3.74	38.74	1328.36



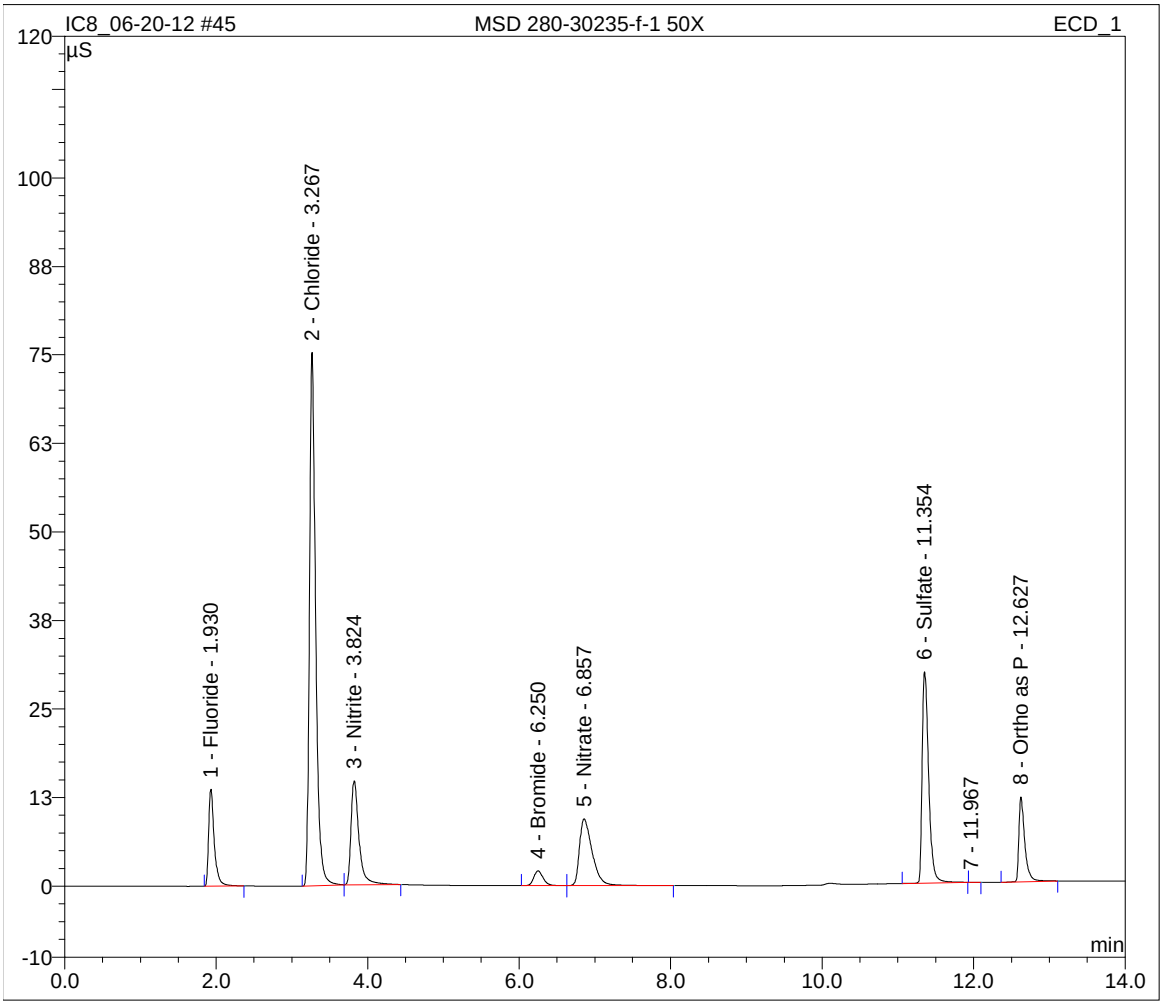
Sample Name:	**MS 280-30235-f-1 50X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 20:05**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.169	13.664	249.8955
2	3.27	Chloride	BMB	7.162	75.511	2626.8495
3	3.82	Nitrite	bMB	1.787	14.692	244.6041
4	6.25	Bromide	BMB	0.301	2.100	262.2923
5	6.86	Nitrate	BMB	1.828	9.440	266.1997
6	11.34	Sulfate	BMb	2.977	29.794	1382.3117
8	12.62	Ortho as P	BMB	1.063	11.803	250.1411
		TOTAL:		16.29	157.00	5282.29



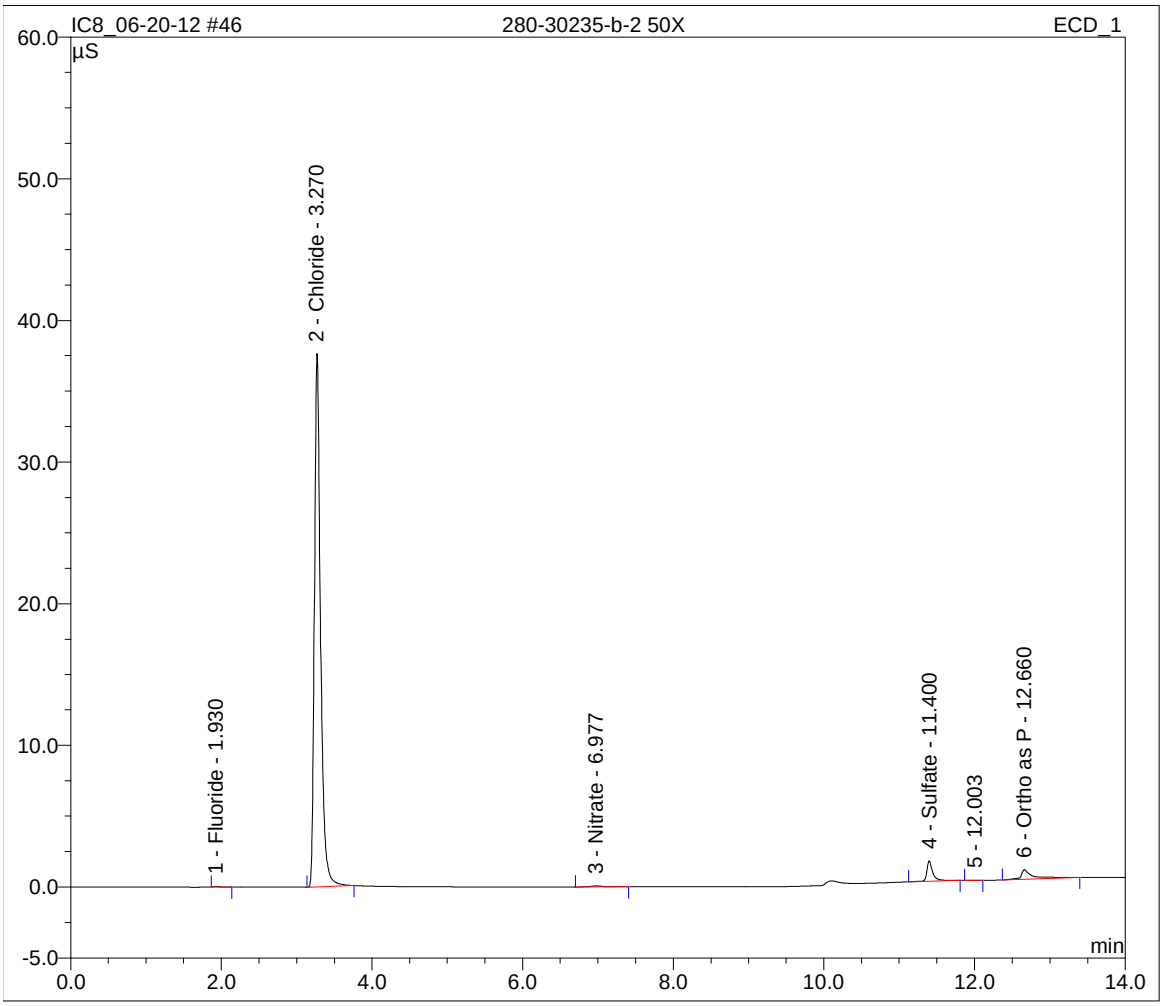
Sample Name:	**MSD 280-30235-f-1 50X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 20:22**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.171	13.682	250.2718
2	3.27	Chloride	BMB	7.154	75.272	2623.9401
3	3.82	Nitrite	bMB	1.785	14.658	244.3392
4	6.25	Bromide	BMB	0.301	2.094	263.1148
5	6.86	Nitrate	BMB	1.830	9.428	266.4641
6	11.35	Sulfate	BMB	2.972	29.834	1380.2418
8	12.63	Ortho as P	BMB	1.089	12.002	257.2319
		TOTAL:		16.30	156.97	5285.60



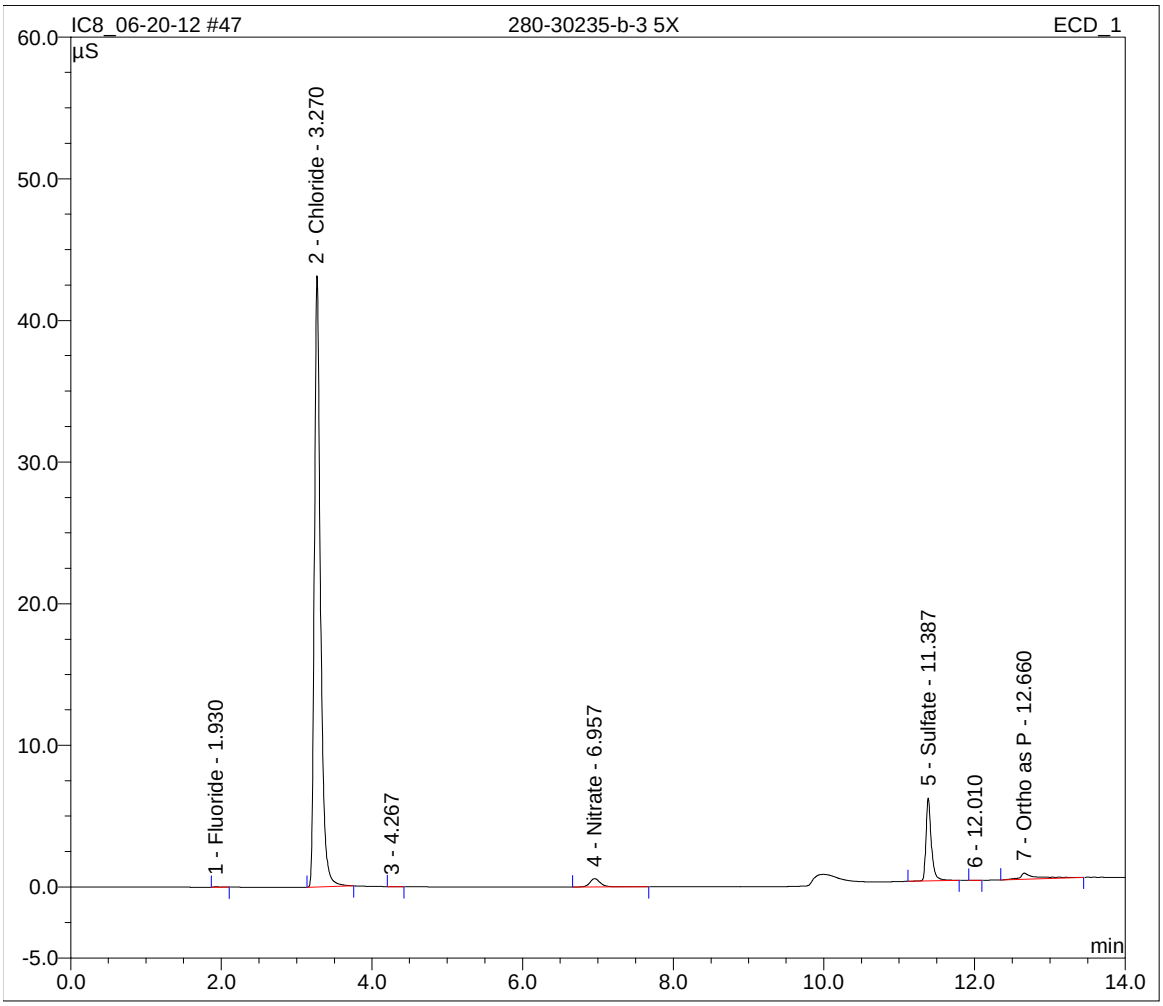
Sample Name:	**280-30235-b-2 50X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 20:39**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.004	0.055	-0.2131
2	3.27	Chloride	BMB	3.570	37.628	1310.9222
3	6.98	Nitrate	BMB	0.012	0.069	3.4529
4	11.40	Sulfate	BMB	0.132	1.452	47.3167
6	12.66	Ortho as P	BMB	0.125	0.684	1.8161
		TOTAL:		3.84	39.89	1363.29



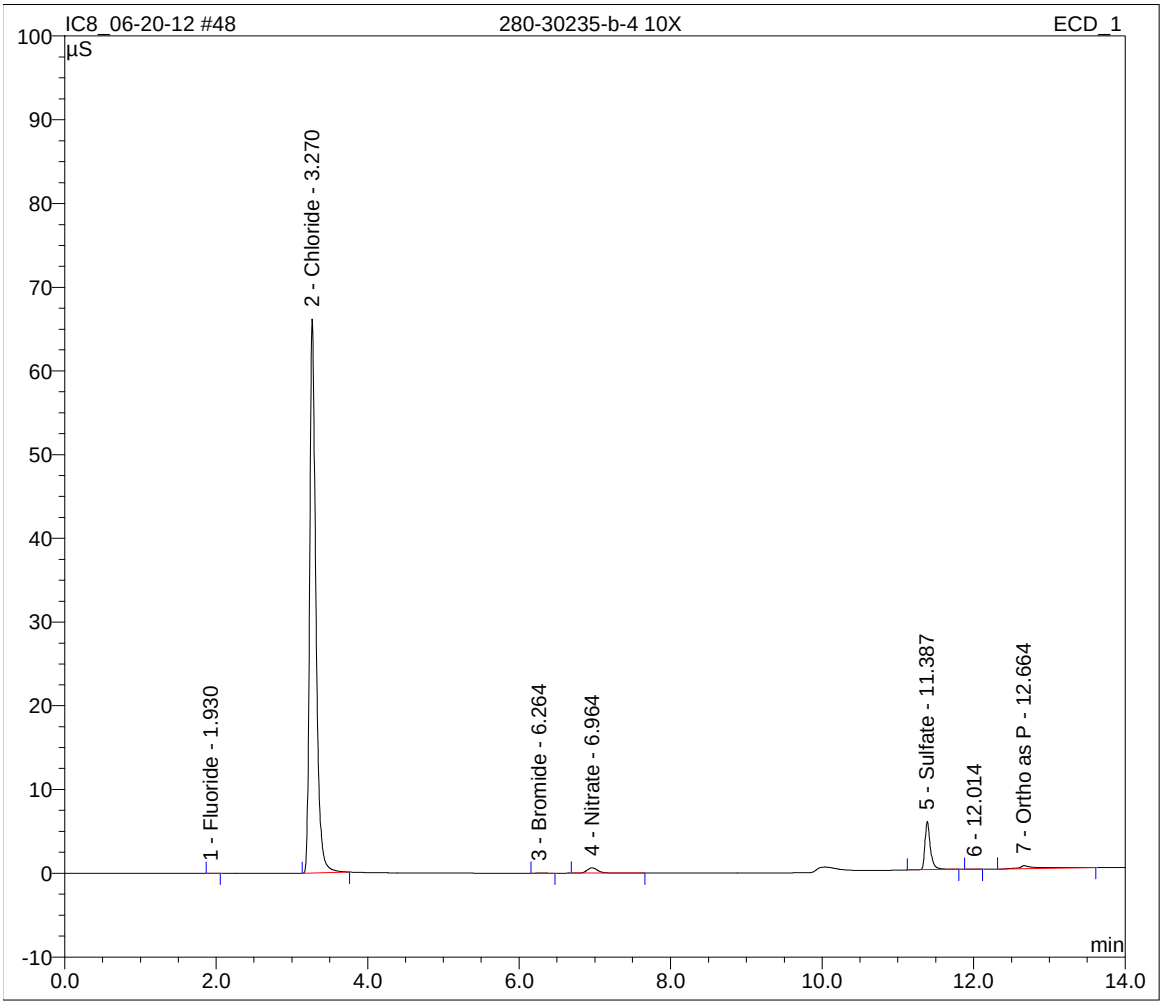
Sample Name:	**280-30235-b-3 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 20:56**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.002	0.032	-0.0609
2	3.27	Chloride	BMB	4.080	43.147	149.7739
4	6.96	Nitrate	BMB	0.095	0.580	1.5421
5	11.39	Sulfate	BMB	0.479	5.842	21.0361
7	12.66	Ortho as P	BMB	0.102	0.433	-0.4272
		TOTAL:		4.76	50.03	171.86



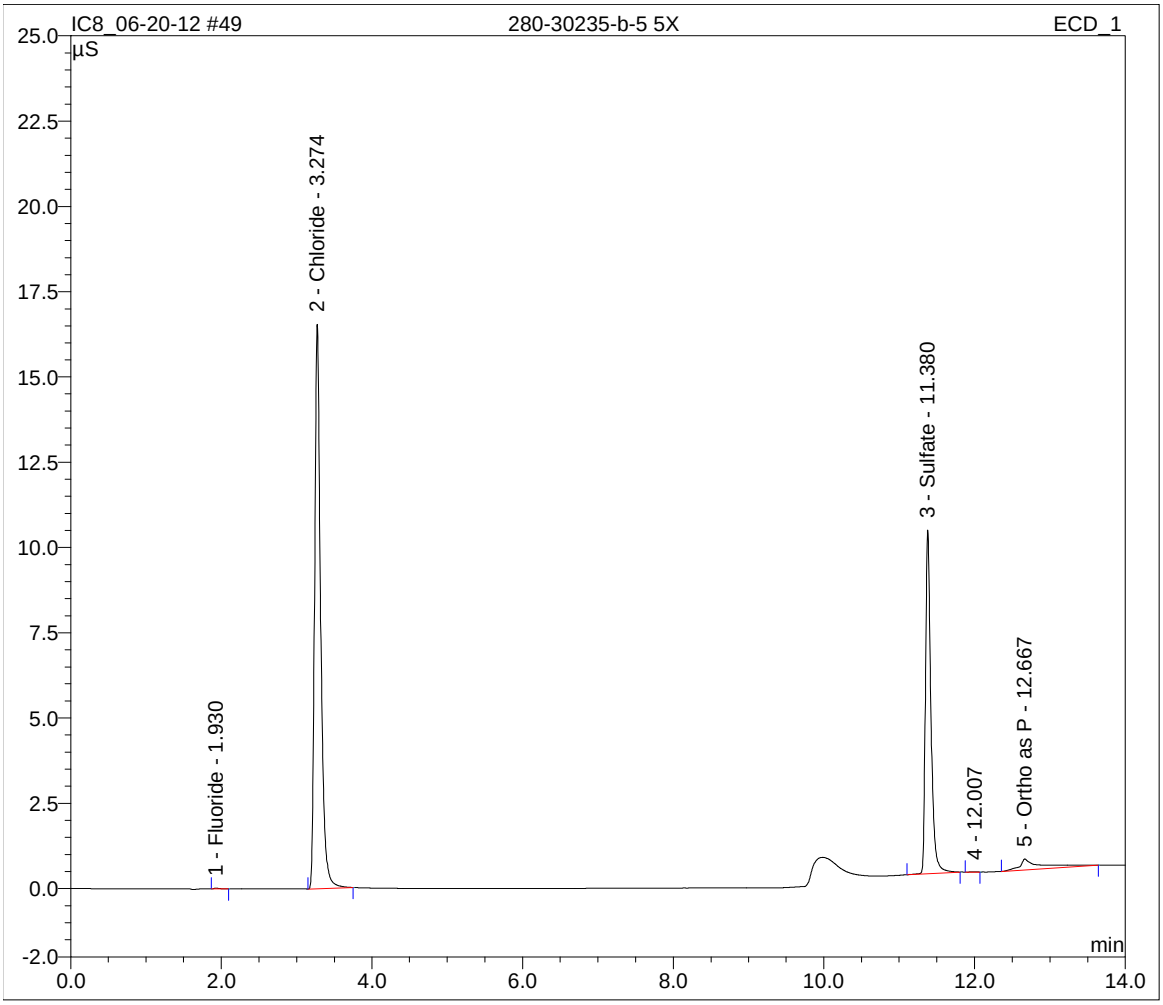
Sample Name:	**280-30235-b-4 10X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**10.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 21:13**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.001	0.013	-0.1845
2	3.27	Chloride	BMB	6.309	66.210	462.9006
3	6.26	Bromide	BMB	0.001	0.004	0.5745
4	6.96	Nitrate	BMB	0.104	0.636	3.3696
5	11.39	Sulfate	BMB	0.476	5.746	41.7694
7	12.66	Ortho as P	BMB	0.107	0.359	-0.5773
		TOTAL:		7.00	72.97	507.85



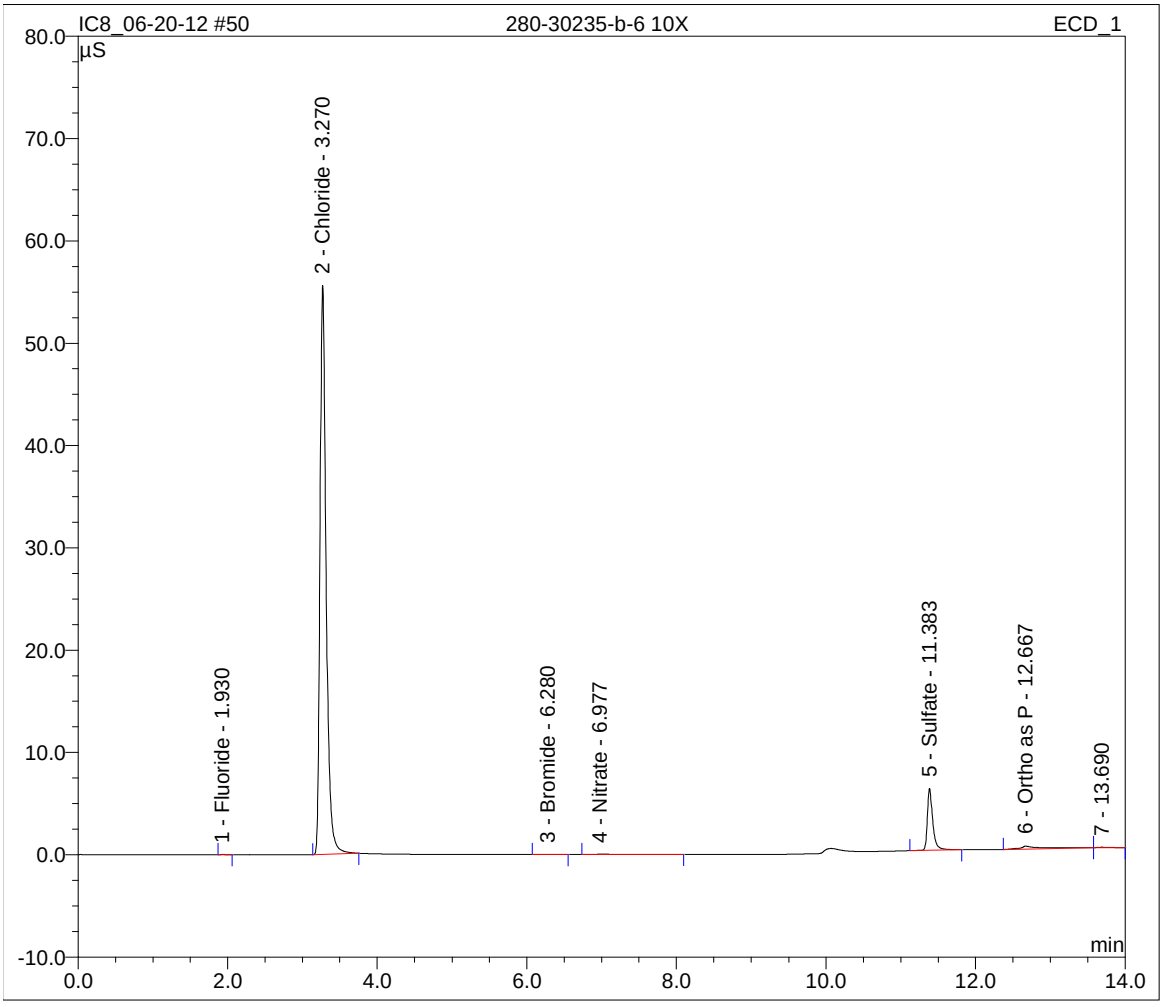
Sample Name:	**280-30235-b-5 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 21:29**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.002	0.023	-0.0738
2	3.27	Chloride	BMB	1.552	16.553	57.1630
3	11.38	Sulfate	BMB	0.850	10.077	38.4369
5	12.67	Ortho as P	BMB	0.107	0.324	-0.2877
TOTAL:				2.51	26.98	95.24



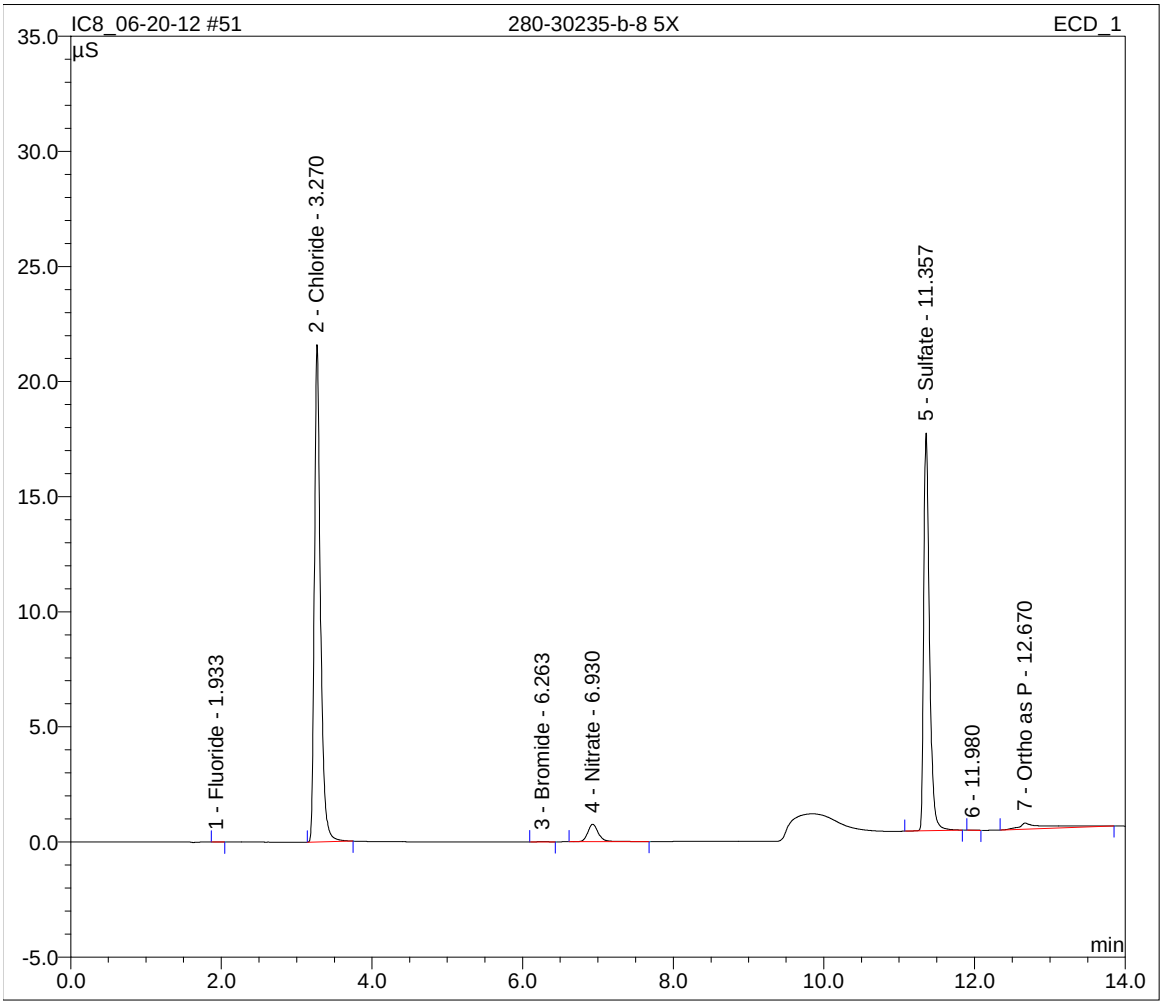
Sample Name:	**280-30235-b-6 10X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**10.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 21:46**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.001	0.016	-0.1741
2	3.27	Chloride	BMB	5.294	55.619	388.5128
3	6.28	Bromide	BMB	0.003	0.021	1.0176
4	6.98	Nitrate	BMB	0.012	0.031	0.7034
5	11.38	Sulfate	BMB	0.509	6.033	44.8693
6	12.67	Ortho as P	BMB	0.098	0.296	-1.0404
		TOTAL:		5.92	62.02	433.89



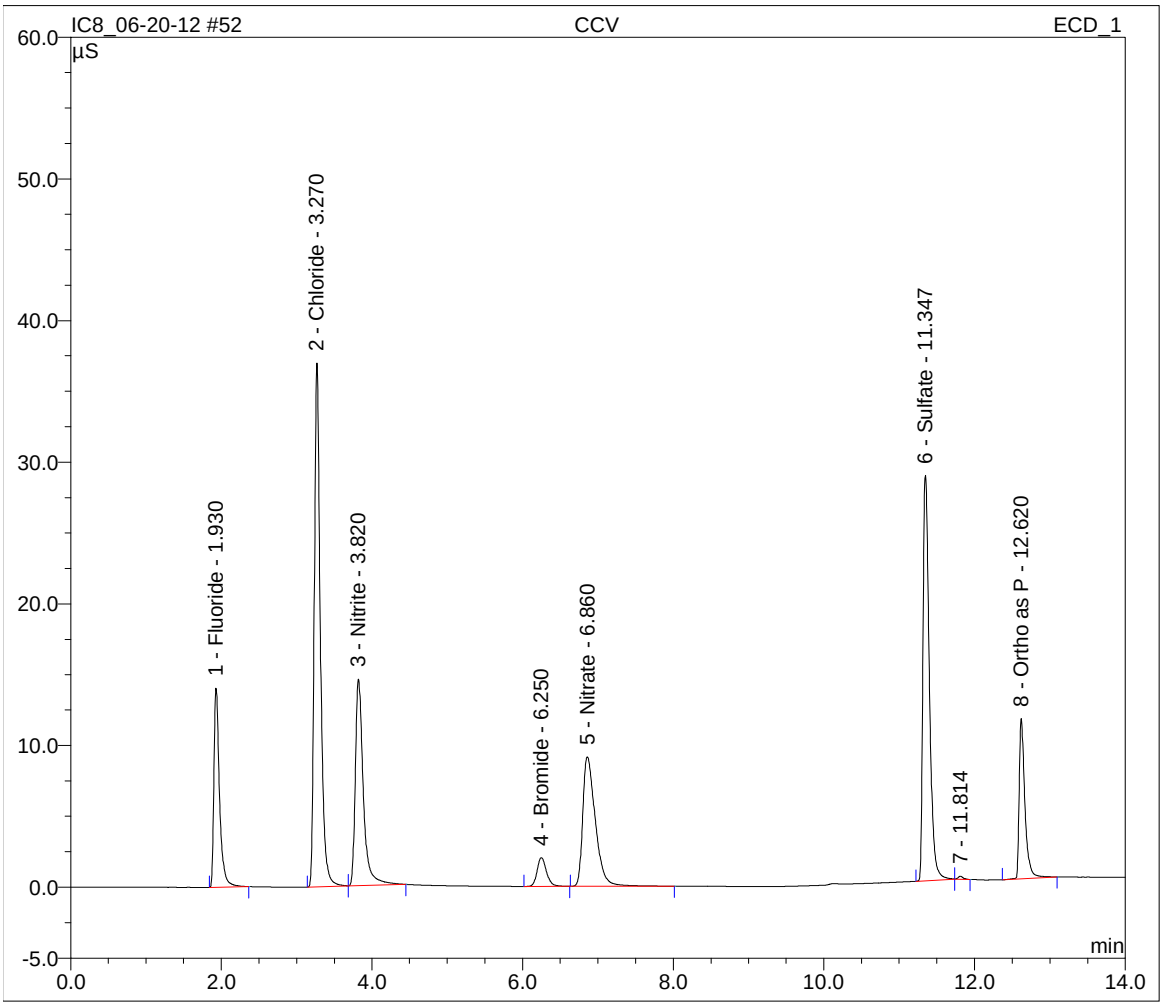
Sample Name:	**280-30235-b-8 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 22:03**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.001	0.008	-0.0988
2	3.27	Chloride	BMB	2.026	21.607	74.5393
3	6.26	Bromide	BMB	0.001	0.008	0.3292
4	6.93	Nitrate	BMB	0.124	0.758	1.9626
5	11.36	Sulfate	BMB	1.529	17.283	70.2935
7	12.67	Ortho as P	BMB	0.114	0.268	-0.0946
		TOTAL:		3.79	39.93	146.93



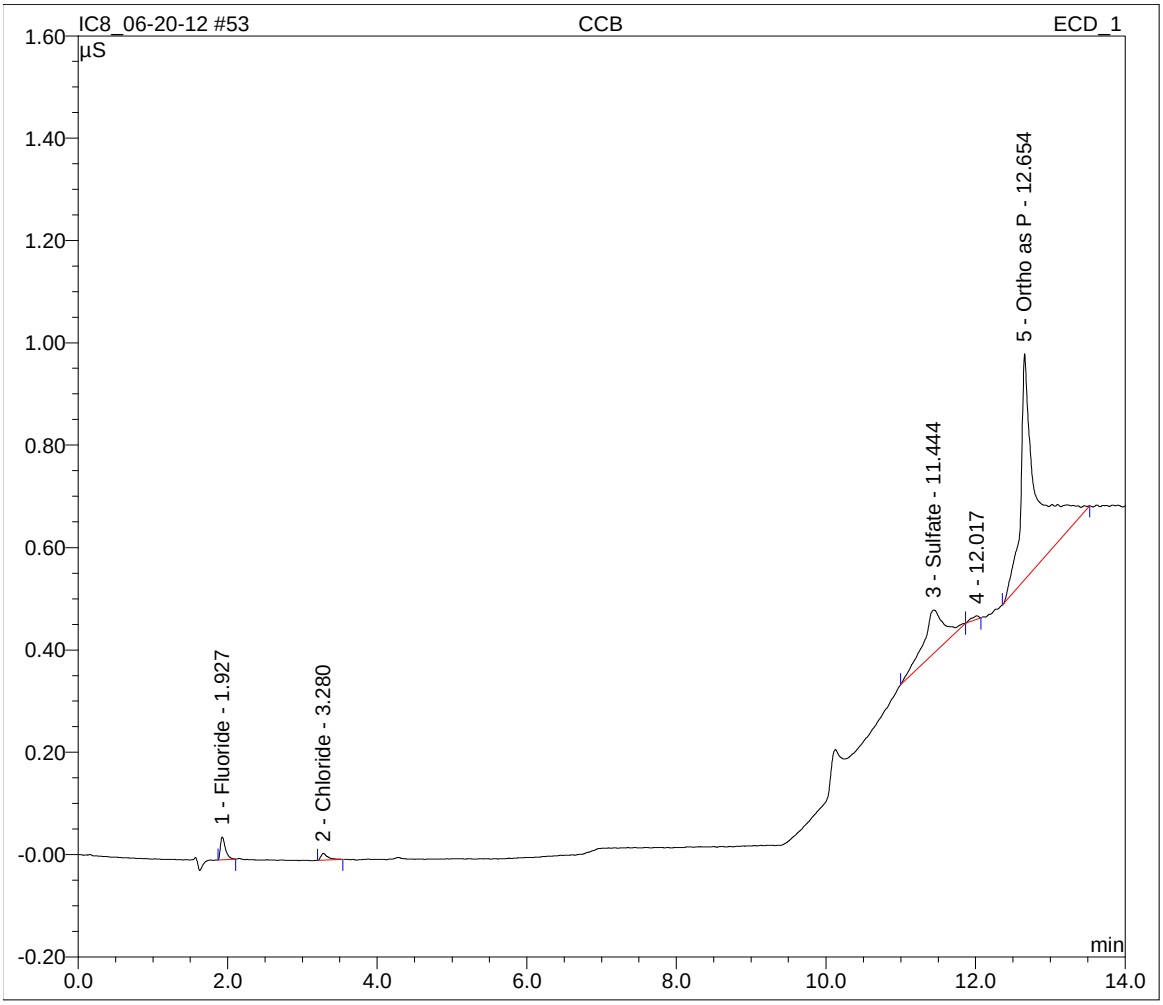
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 22:20**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.203	14.052	5.1433
2	3.27	Chloride	BMB	3.490	36.978	25.6314
3	3.82	Nitrite	bMB	1.787	14.582	4.8930
4	6.25	Bromide	BMB	0.291	2.022	5.0844
5	6.86	Nitrate	BMB	1.763	9.120	5.1356
6	11.35	Sulfate	BMb	2.819	28.620	26.1643
8	12.62	Ortho as P	BMB	0.993	11.309	4.6326
		TOTAL:		12.35	116.68	76.68



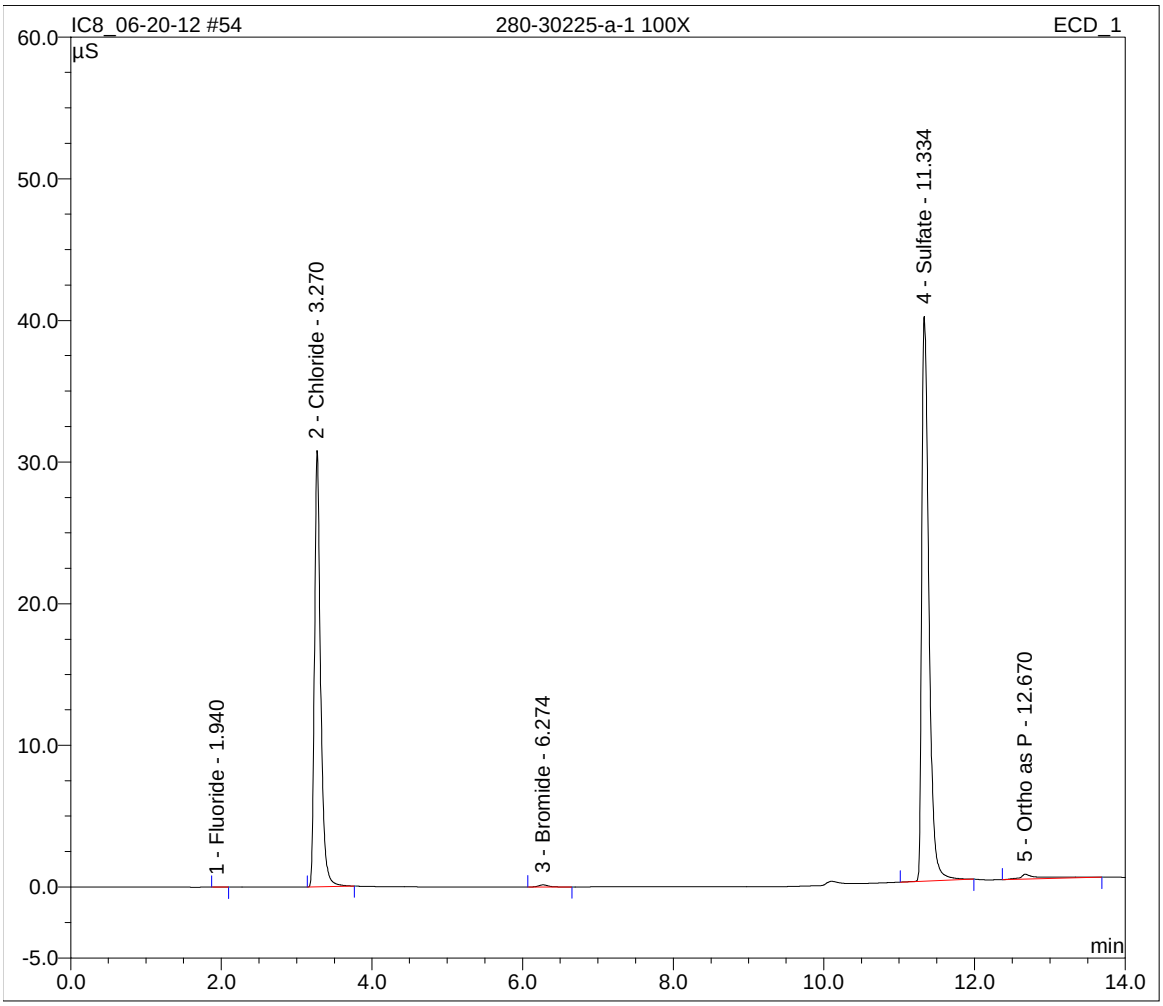
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 22:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.003	0.045	-0.0079
2	3.28	Chloride	BMB	0.001	0.013	0.0761
3	11.44	Sulfate	BMb	0.027	0.084	-0.0375
5	12.65	Ortho as P	BMB	0.111	0.442	-0.0387
		TOTAL:		0.14	0.58	-0.01



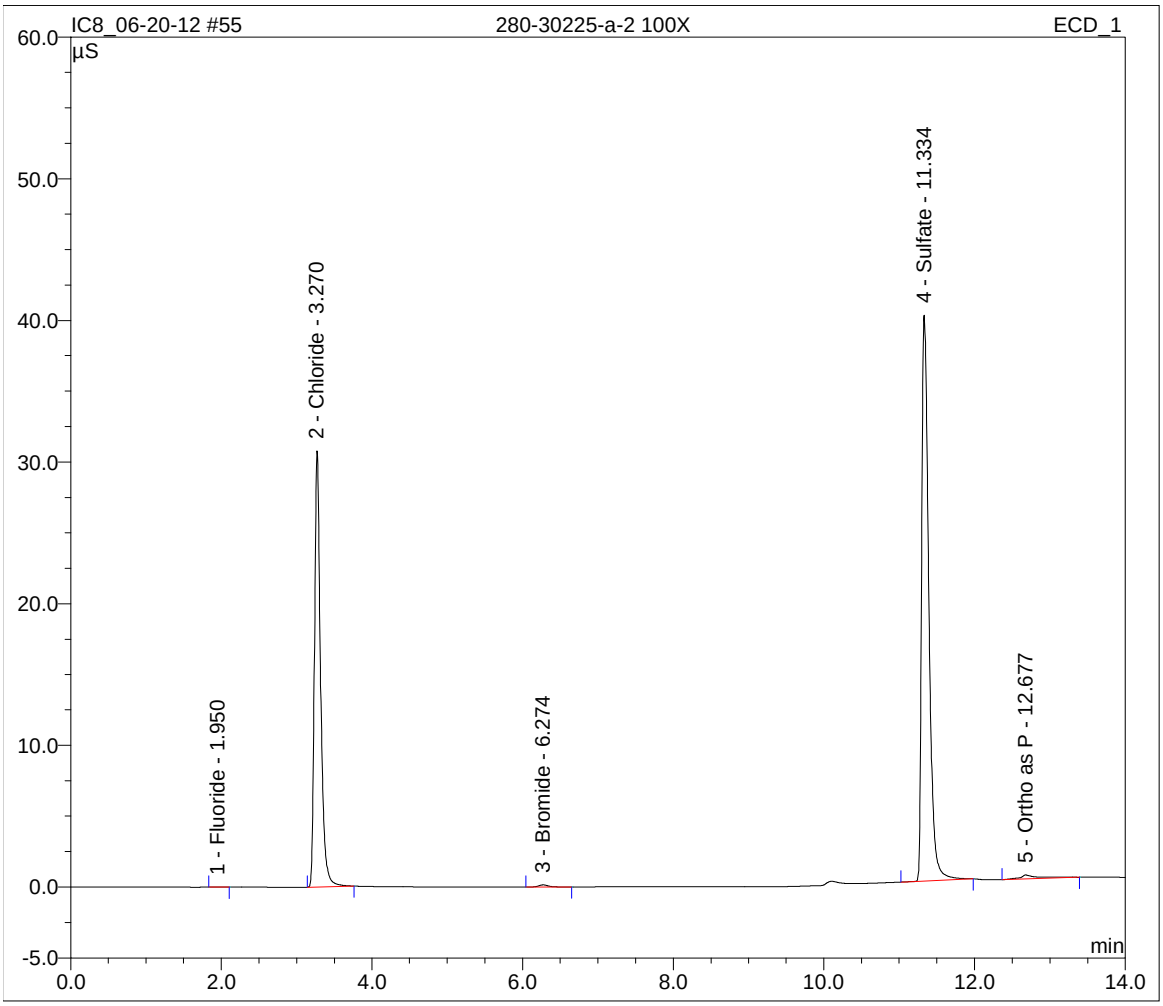
Sample Name:	**280-30225-a-1 100X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**100.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 22:53**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	0.001	0.014	-1.7022
2	3.27	Chloride	BMB	2.912	30.800	2140.0418
3	6.27	Bromide	BMB	0.022	0.149	42.3544
4	11.33	Sulfate	BMB	4.420	39.883	4119.2367
5	12.67	Ortho as P	BMB	0.113	0.356	-2.7028
		TOTAL:		7.47	71.20	6297.23



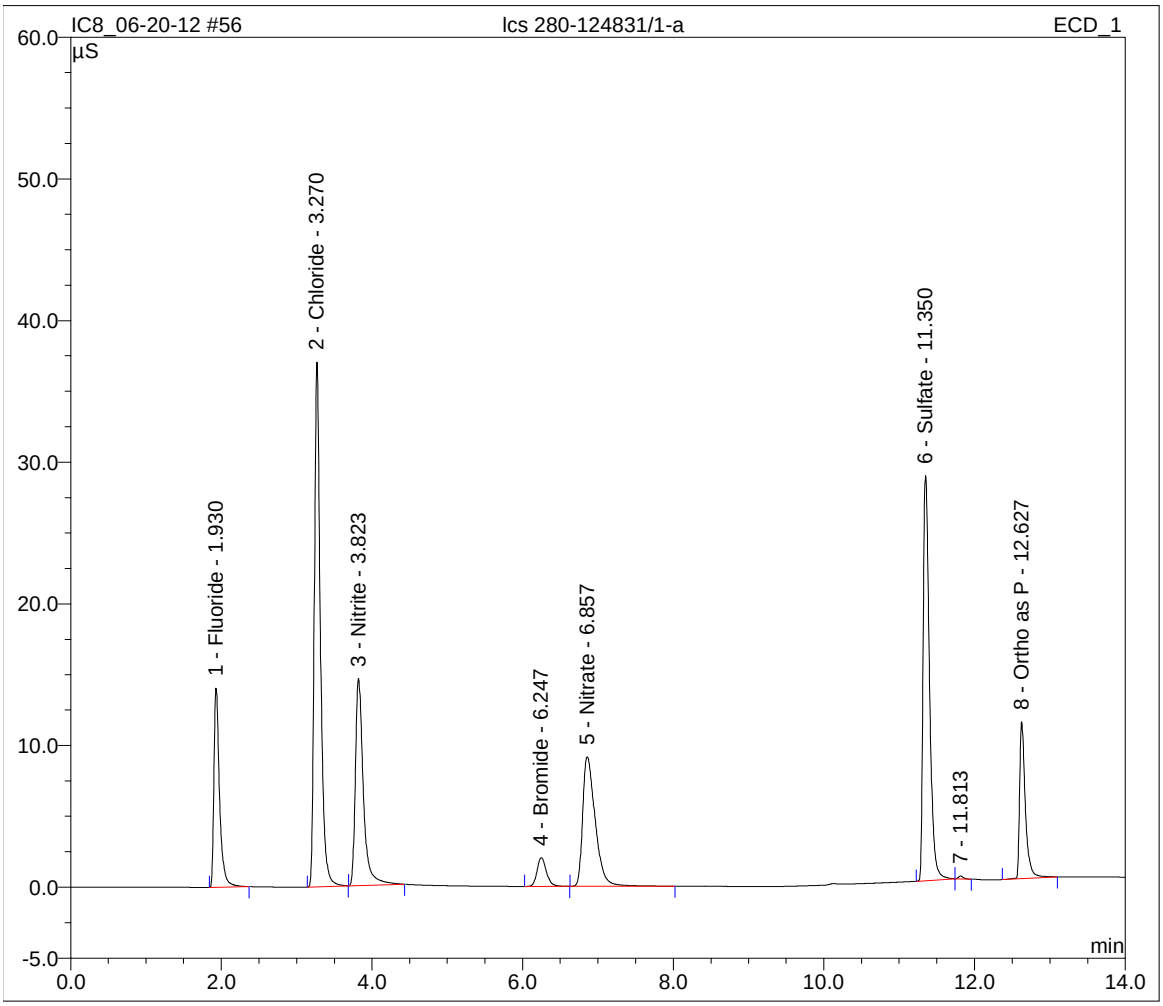
Sample Name:	**280-30225-a-2 100X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**100.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 23:10**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.95	Fluoride	BMB	0.001	0.010	-1.8484
2	3.27	Chloride	BMB	2.912	30.781	2140.2038
3	6.27	Bromide	BMB	0.022	0.149	42.3423
4	11.33	Sulfate	BMB	4.434	39.956	4132.2947
5	12.68	Ortho as P	BMB	0.081	0.282	-19.5646
		TOTAL:		7.45	71.18	6293.43



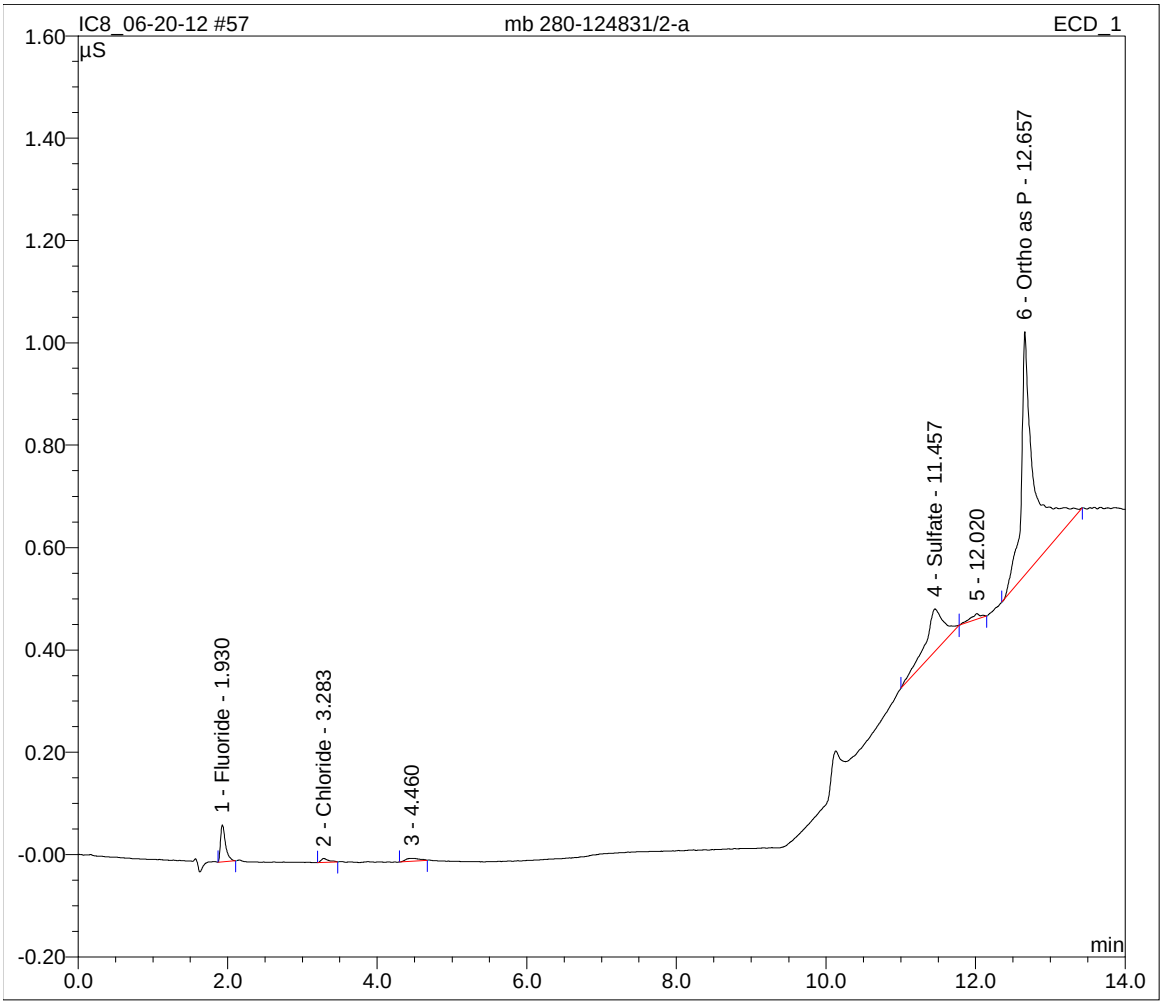
Sample Name:	**lcs 280-124831/1-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 23:27**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.205	14.056	5.1511
2	3.27	Chloride	BMB	3.493	37.037	25.6561
3	3.82	Nitrite	BMB	1.788	14.611	4.8964
4	6.25	Bromide	BMB	0.291	2.023	5.0822
5	6.86	Nitrate	BMB	1.760	9.128	5.1281
6	11.35	Sulfate	BMb	2.806	28.582	26.0450
8	12.63	Ortho as P	BMB	0.974	11.073	4.5349
		TOTAL:		12.32	116.51	76.49



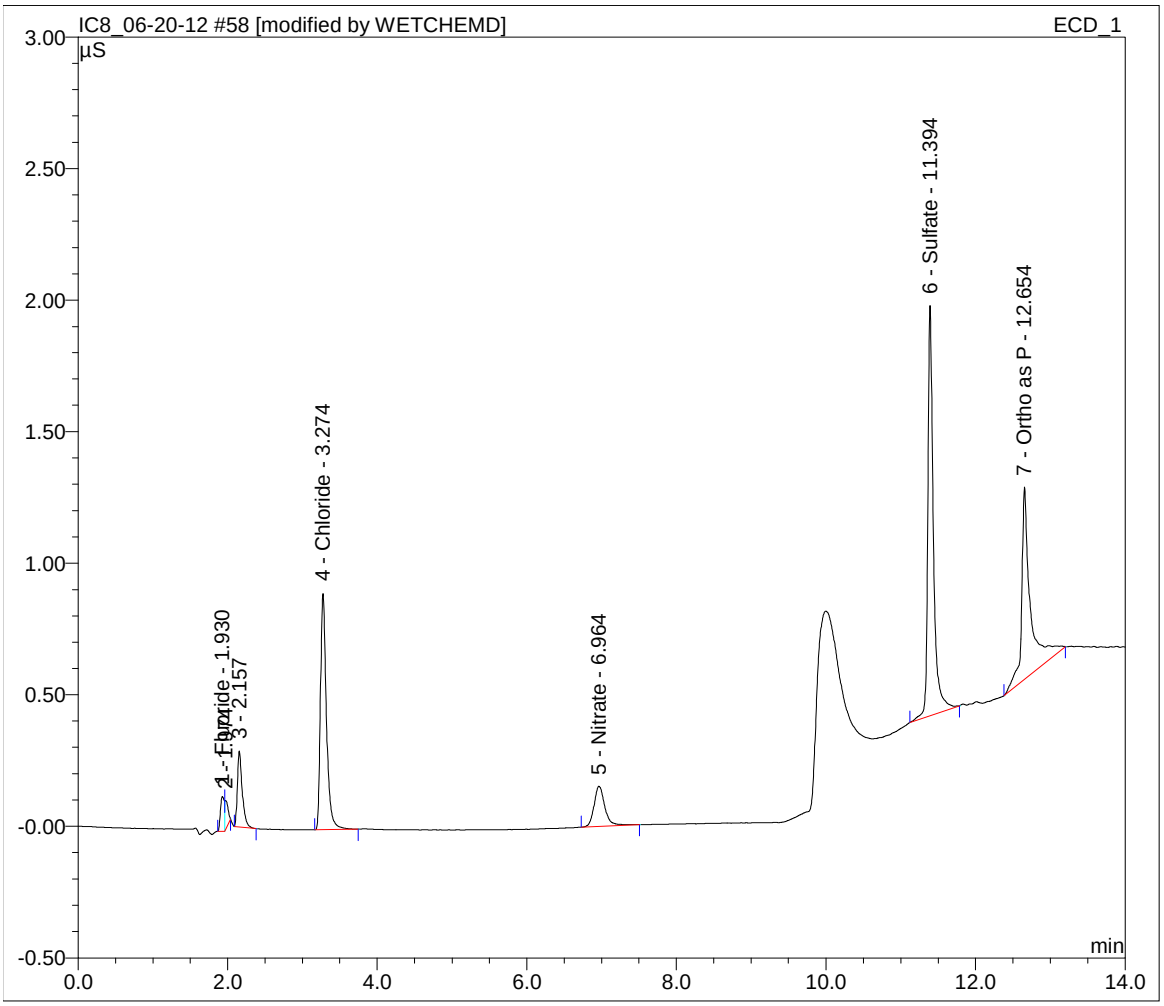
Sample Name:	**mb 280-124831/2-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 23:44**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.005	0.072	0.0009
2	3.28	Chloride	BMB	0.001	0.008	0.0714
4	11.46	Sulfate	BMB	0.024	0.083	-0.0690
6	12.66	Ortho as P	BMB	0.101	0.476	-0.0882
		TOTAL:		0.13	0.64	-0.08



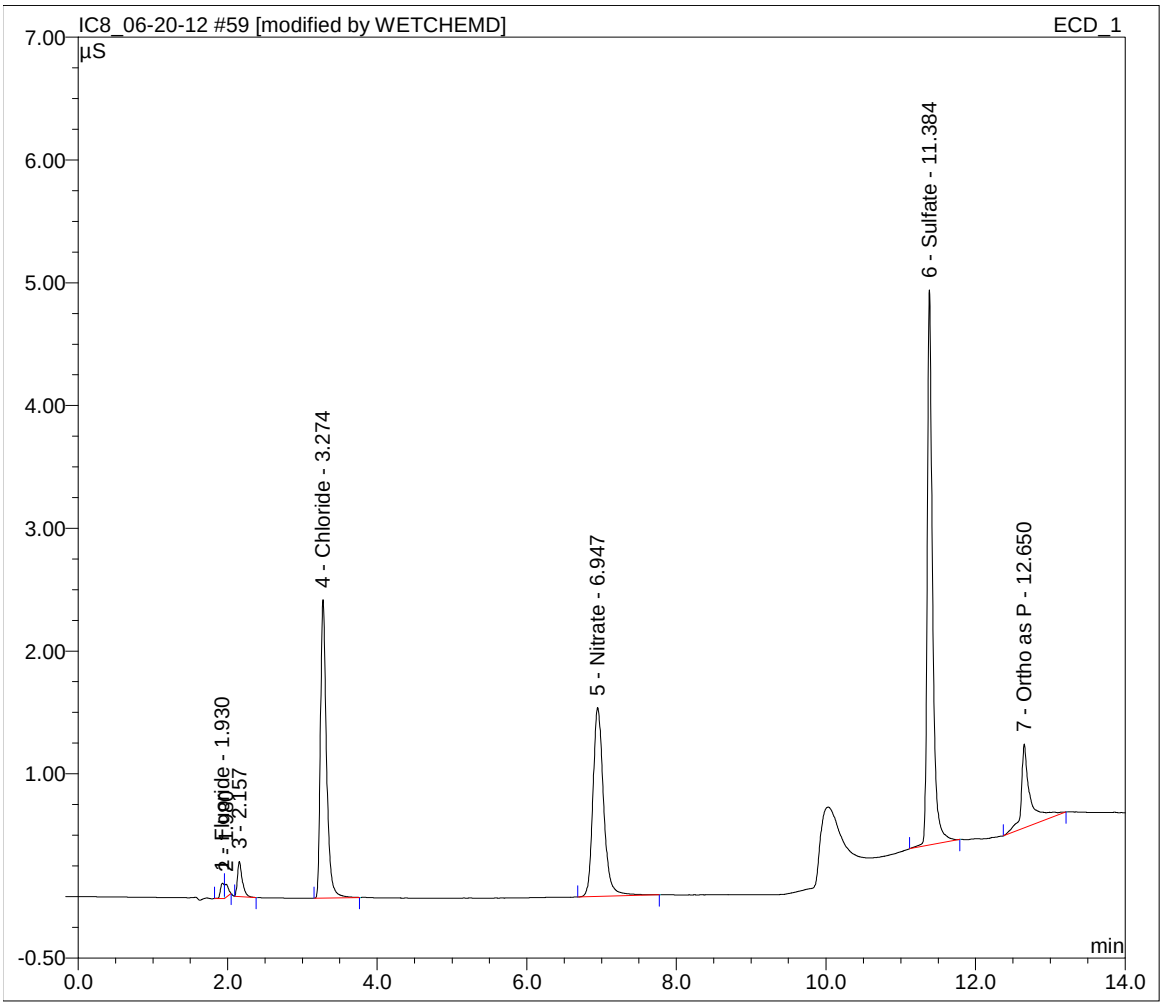
Sample Name:	**280-29825-b-1-g**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 00:01**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.008	0.133	0.0101
4	3.27	Chloride	BMB	0.084	0.898	0.6790
5	6.96	Nitrate	BMB	0.026	0.153	0.1088
6	11.39	Sulfate	BMB	0.134	1.559	0.9698
7	12.65	Ortho as P	BMB	0.101	0.731	-0.0906
		TOTAL:		0.35	3.47	1.68



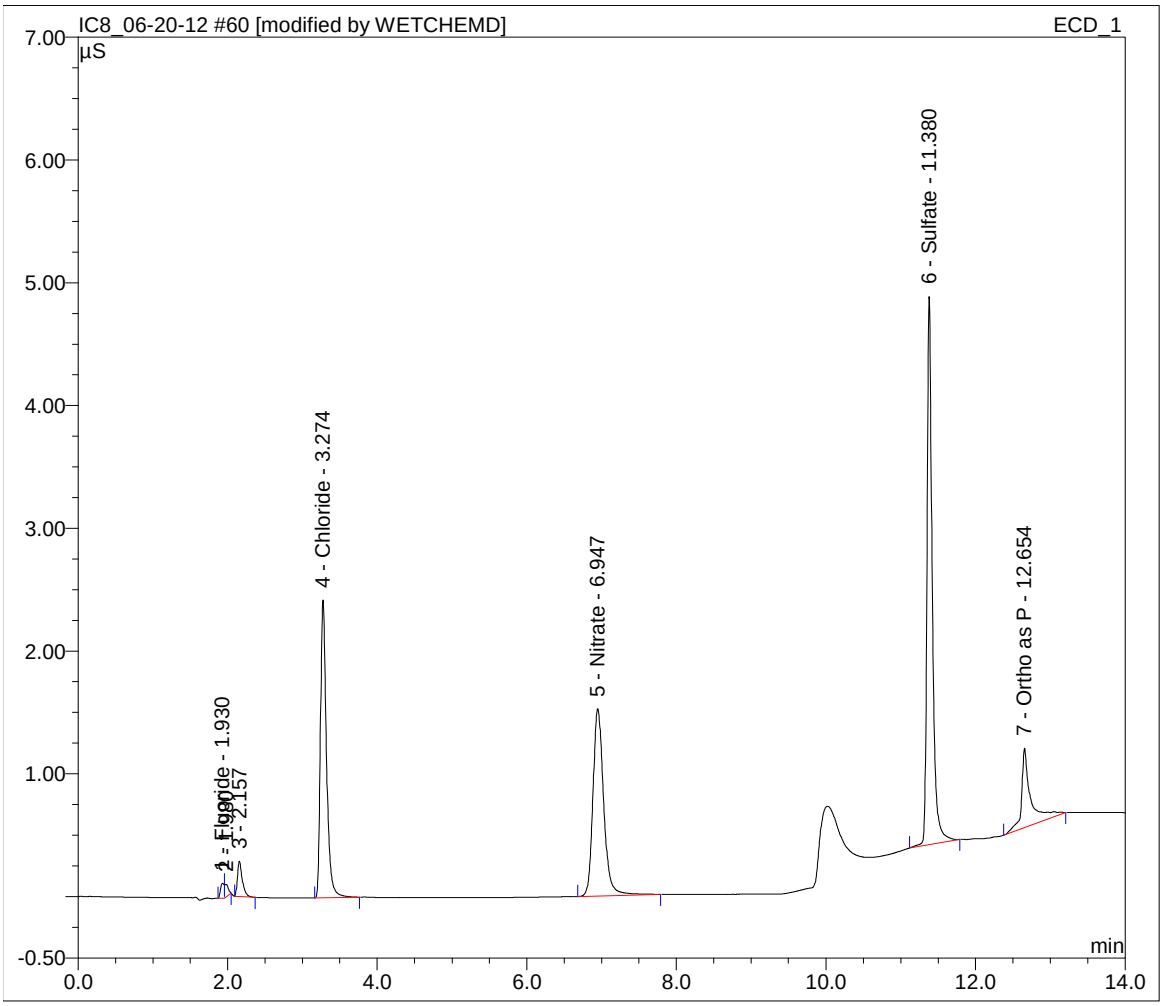
Sample Name:	**280-29825-b-2-d**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 00:17**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.007	0.124	0.0065
4	3.27	Chloride	BMB	0.228	2.431	1.7360
5	6.95	Nitrate	BMB	0.254	1.537	0.7698
6	11.38	Sulfate	BMB	0.373	4.522	3.2061
7	12.65	Ortho as P	BMB	0.096	0.682	-0.1160
		TOTAL:		0.96	9.30	5.60



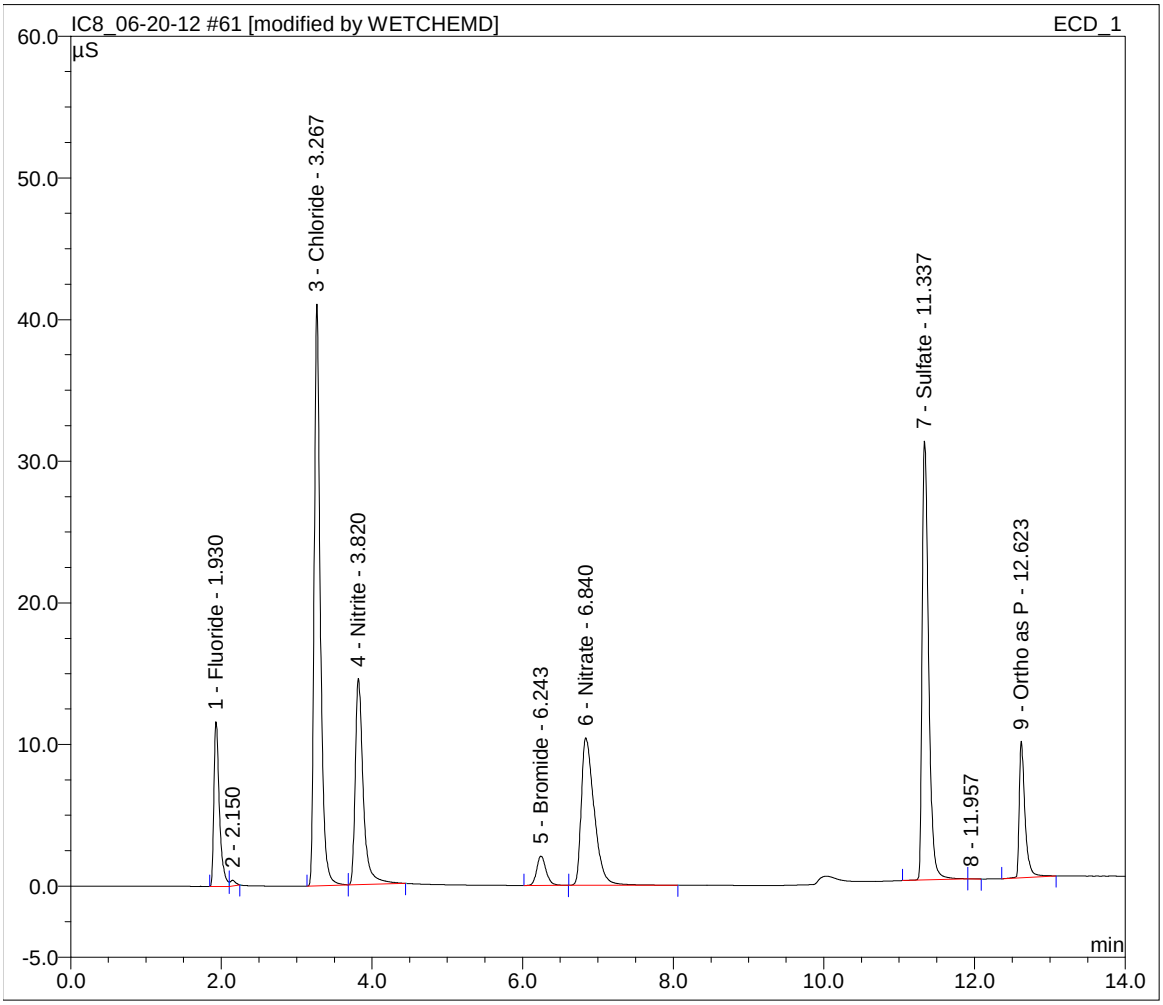
Sample Name:	**280-29825-b-2-e du**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 00:34**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.007	0.122	0.0054
4	3.27	Chloride	BMB	0.228	2.427	1.7338
5	6.95	Nitrate	BMB	0.254	1.525	0.7686
6	11.38	Sulfate	BMB	0.367	4.465	3.1482
7	12.65	Ortho as P	BMB	0.093	0.647	-0.1340
		TOTAL:		0.95	9.19	5.52



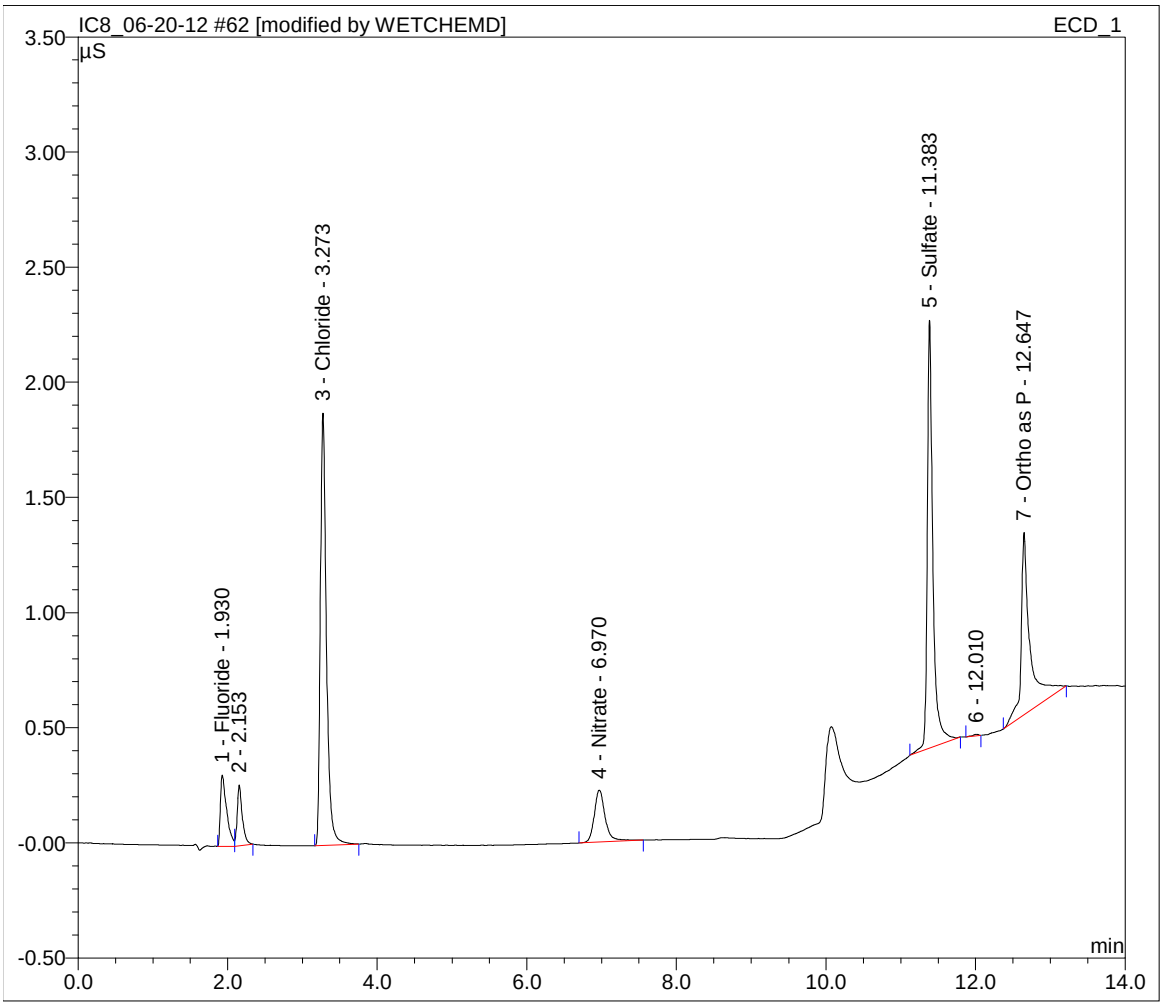
Sample Name:	**280-29825-b-2-f ms**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 00:51**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.972	11.620	4.1502
3	3.27	Chloride	BMb*	3.880	41.080	28.4879
4	3.82	Nitrite	bMB	1.779	14.551	4.8702
5	6.24	Bromide	BMB	0.297	2.068	5.1855
6	6.84	Nitrate	BMB	2.066	10.404	6.0125
7	11.34	Sulfate	BMb	3.108	30.979	28.8778
9	12.62	Ortho as P	BMB	0.845	9.623	3.8510
		TOTAL:		12.95	120.33	81.43



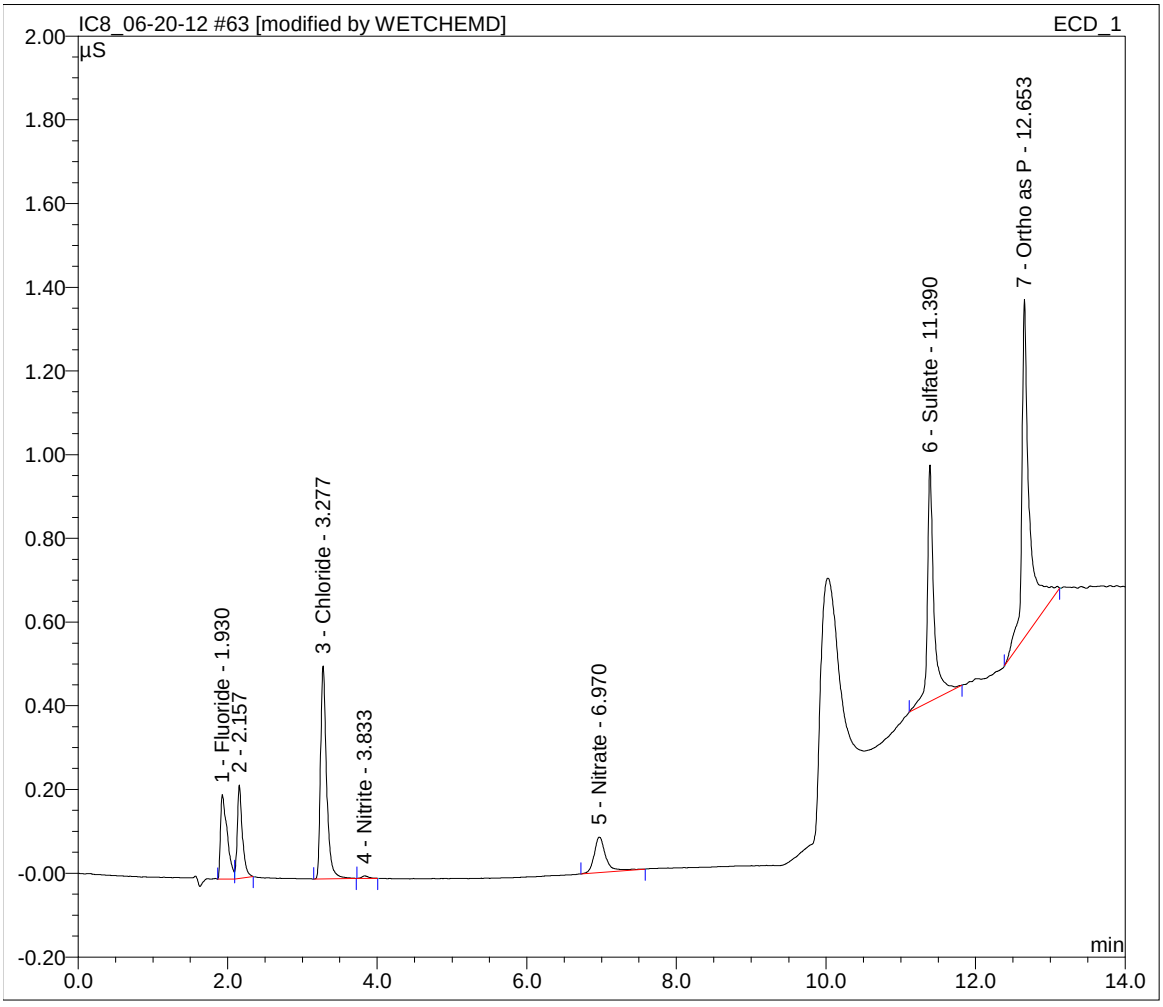
Sample Name:	**280-29825-b-3-d**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 01:08**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.030	0.311	0.1067
3	3.27	Chloride	BMB	0.177	1.879	1.3613
4	6.97	Nitrate	BMB	0.038	0.225	0.1445
5	11.38	Sulfate	BMB	0.161	1.859	1.2218
7	12.65	Ortho as P	BMB	0.110	0.793	-0.0430
		TOTAL:		0.52	5.07	2.79



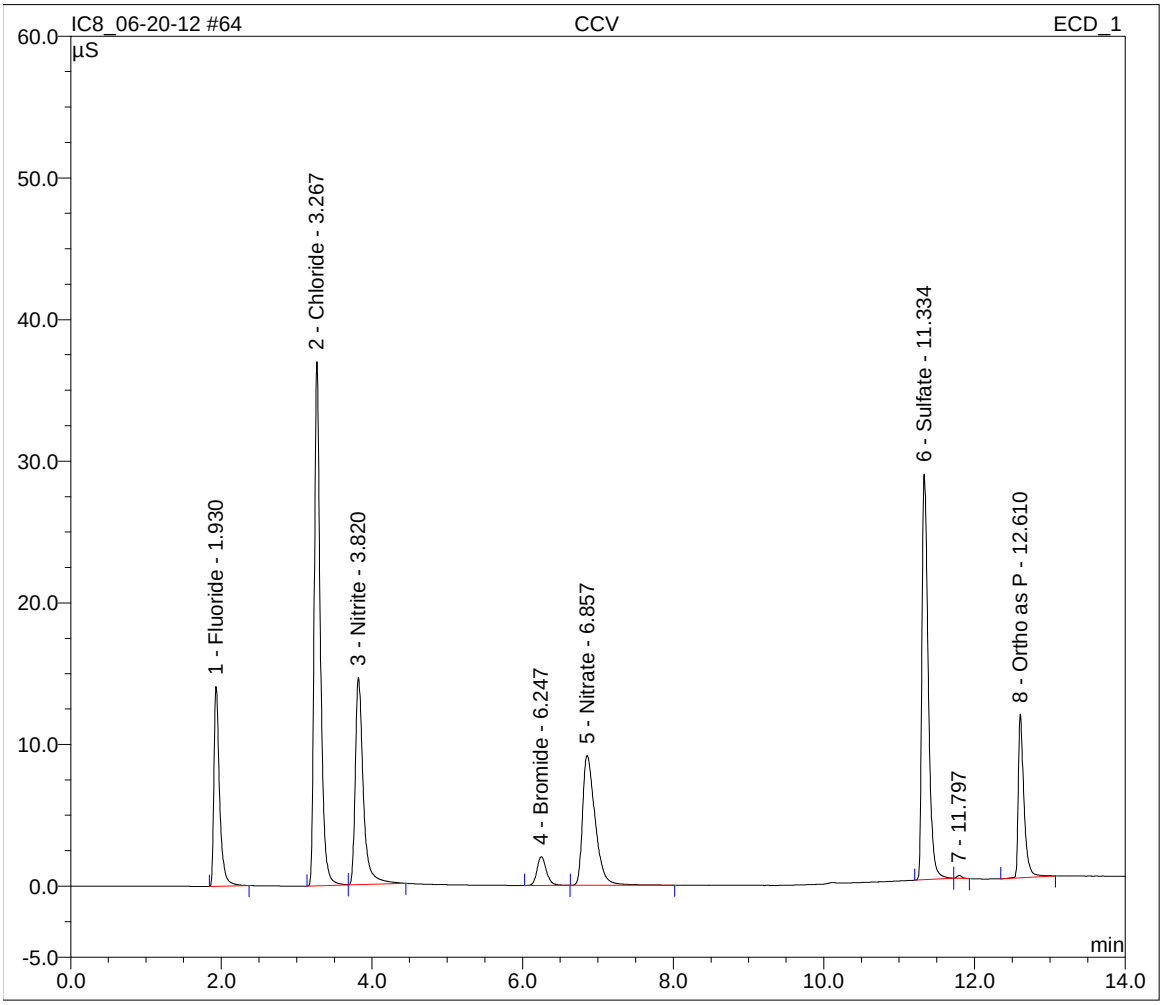
Sample Name:	**280-29825-b-4-g**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 01:25**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.021	0.202	0.0672
3	3.28	Chloride	BMB	0.048	0.509	0.4133
4	3.83	Nitrite	BMB	0.001	0.006	0.0347
5	6.97	Nitrate	BMB	0.015	0.085	0.0783
6	11.39	Sulfate	BMB	0.057	0.565	0.2430
7	12.65	Ortho as P	BMB	0.098	0.808	-0.1063
		TOTAL:		0.24	2.17	0.73



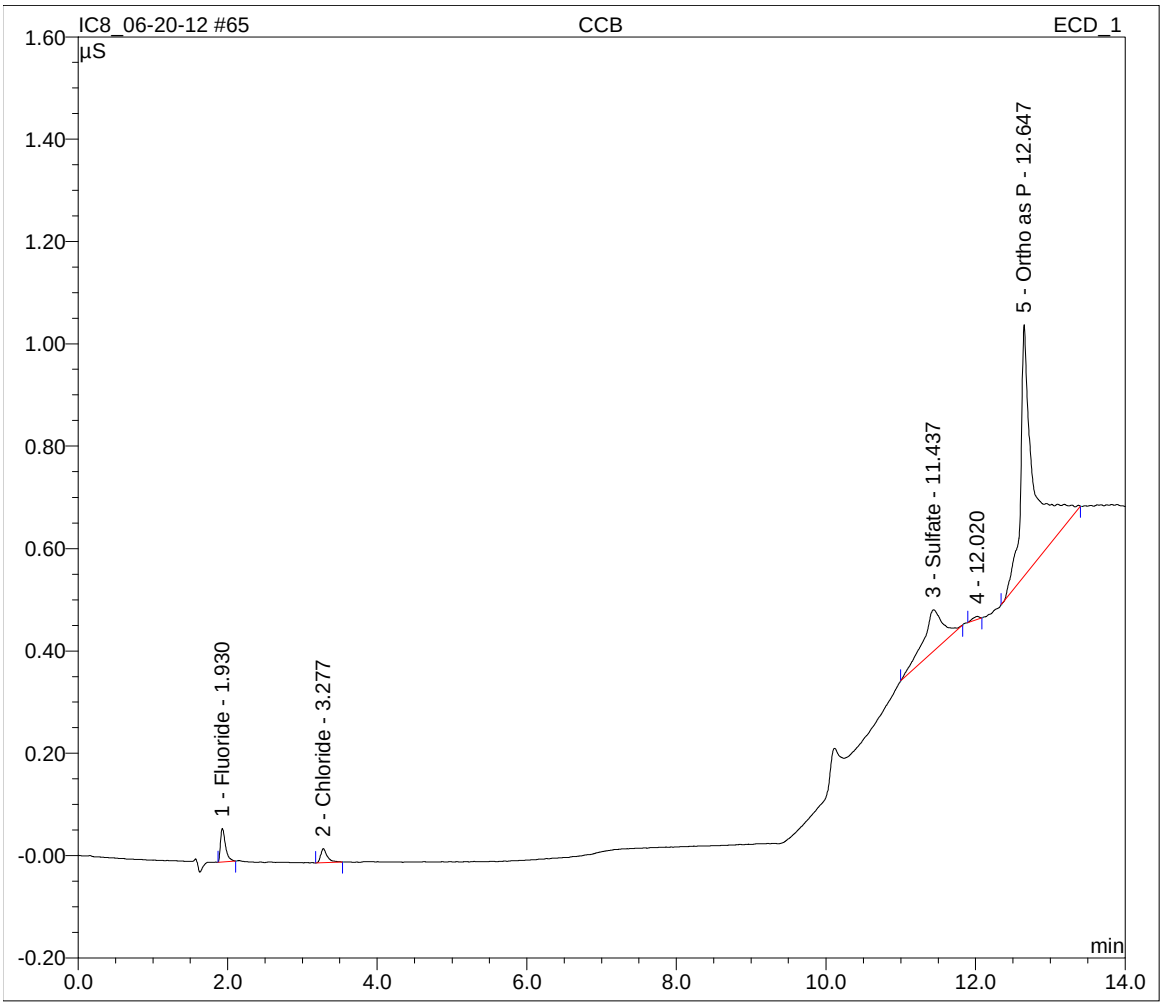
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 01:41**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.212	14.094	5.1824
2	3.27	Chloride	BMB	3.501	36.997	25.7115
3	3.82	Nitrite	bMB	1.791	14.610	4.9042
4	6.25	Bromide	BMB	0.292	2.023	5.0948
5	6.86	Nitrate	BMB	1.767	9.144	5.1486
6	11.33	Sulfate	BMb	2.817	28.642	26.1449
8	12.61	Ortho as P	BMB	1.010	11.547	4.7256
		TOTAL:		12.39	117.06	76.91



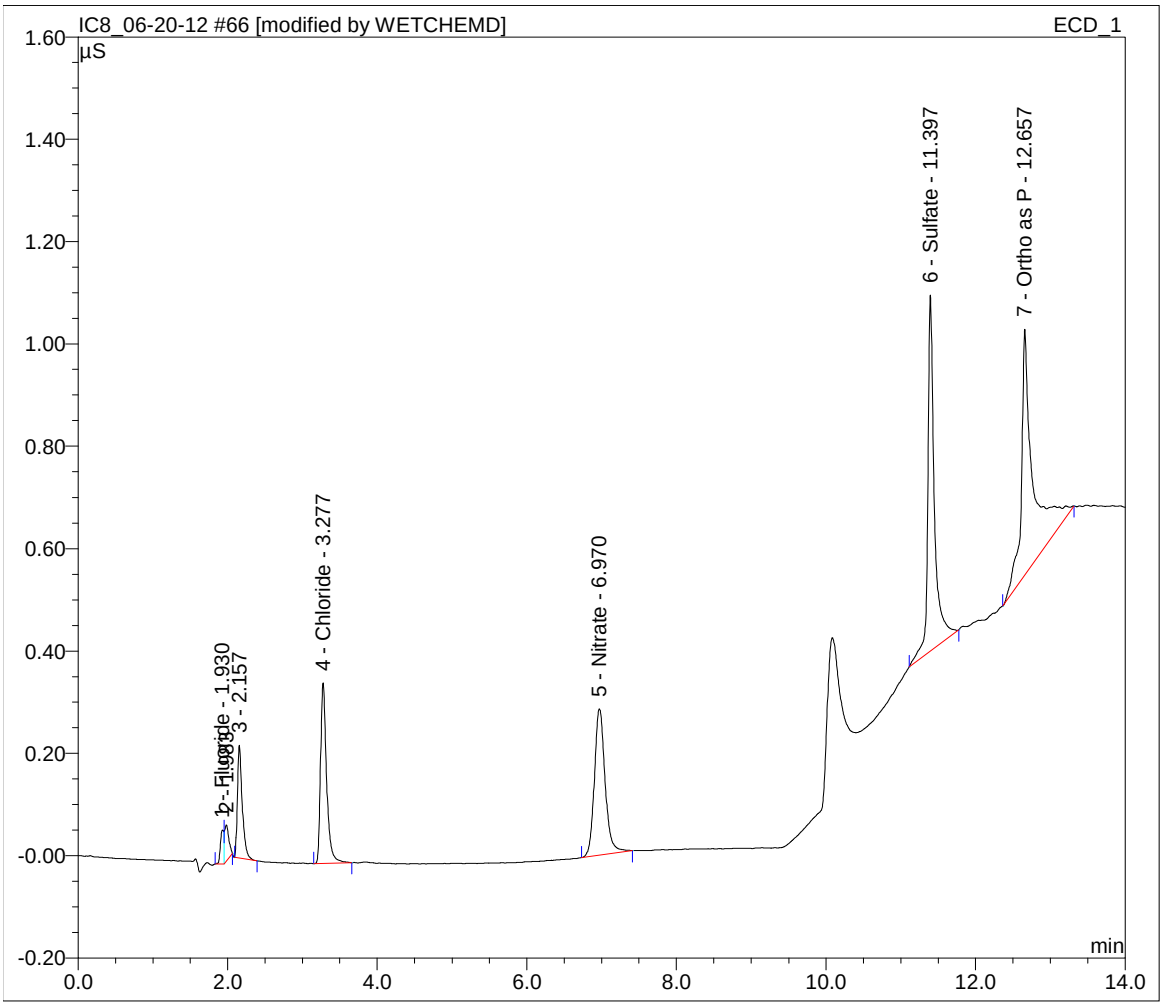
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 01:58**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.005	0.066	-0.0011
2	3.28	Chloride	BMB	0.003	0.027	0.0855
3	11.44	Sulfate	BMB	0.025	0.081	-0.0586
5	12.65	Ortho as P	BMB	0.104	0.492	-0.0757
		TOTAL:		0.14	0.67	-0.05



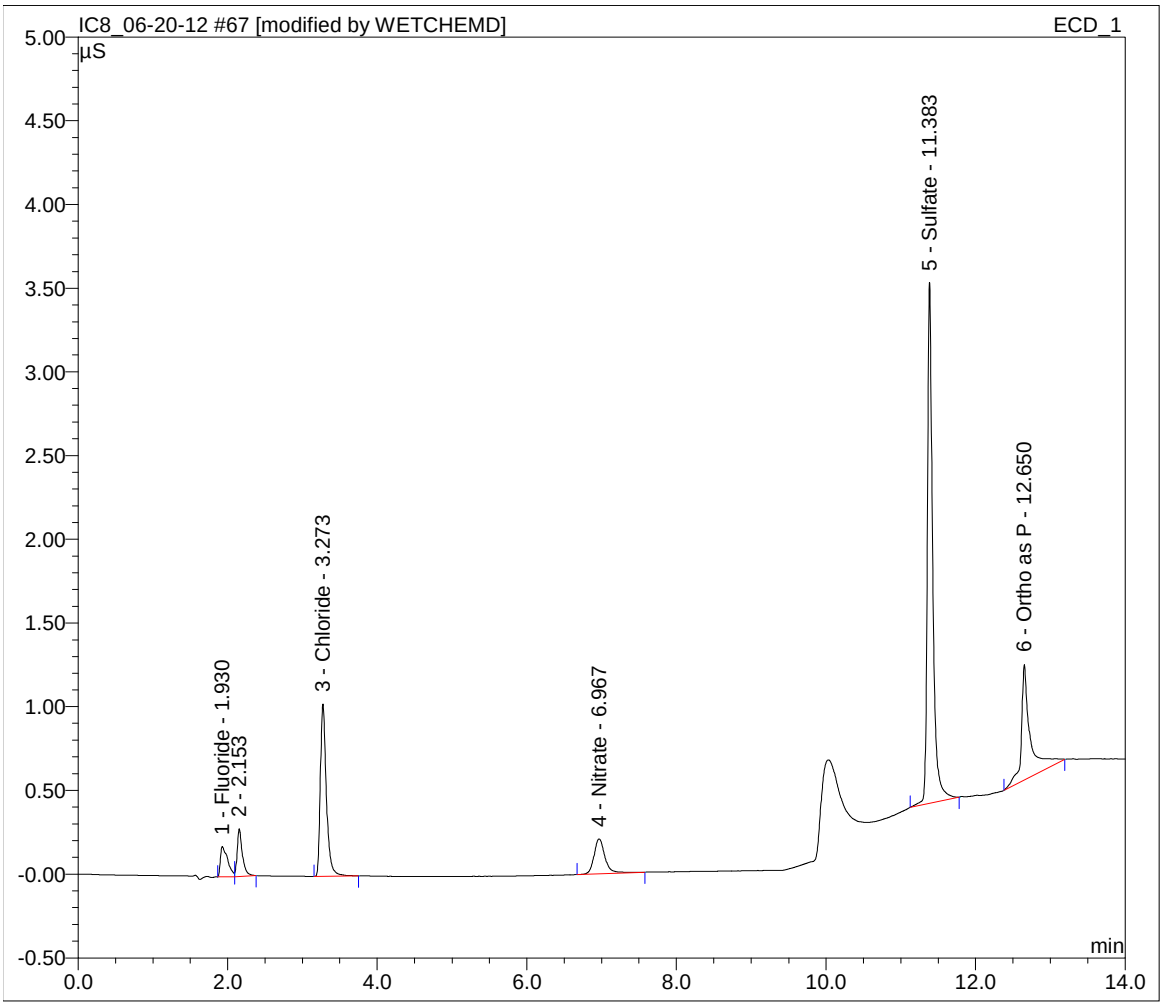
Sample Name:	**280-29825-a-5-i**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 02:15**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.003	0.066	-0.0085
4	3.28	Chloride	BMB	0.033	0.352	0.3075
5	6.97	Nitrate	BMB	0.047	0.286	0.1718
6	11.40	Sulfate	BMB	0.071	0.695	0.3703
7	12.66	Ortho as P	BMB	0.089	0.481	-0.1525
		TOTAL:		0.24	1.88	0.69



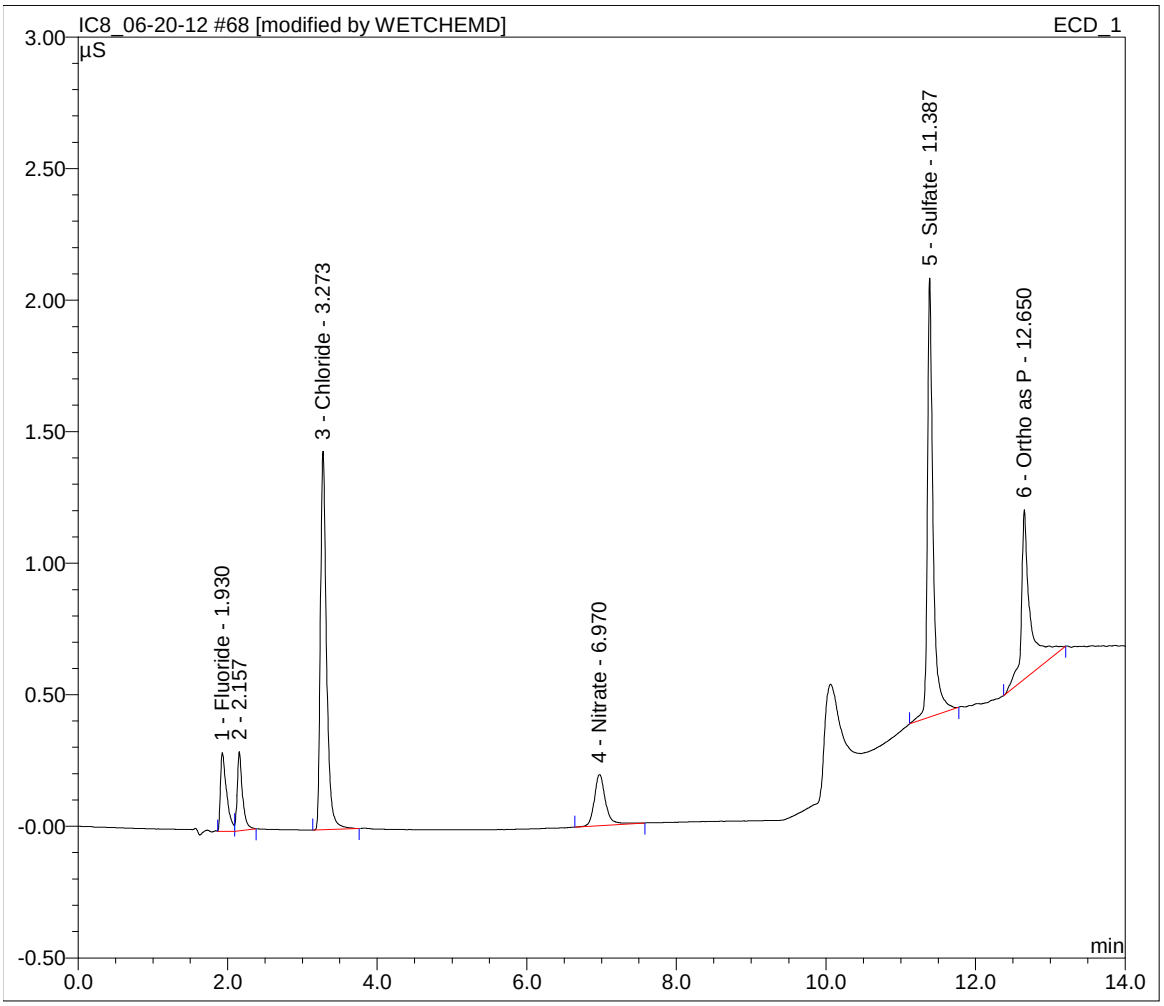
Sample Name:	**280-29825-a-6-e**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 02:32**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.020	0.181	0.0648
3	3.27	Chloride	BMB	0.096	1.028	0.7700
4	6.97	Nitrate	BMB	0.036	0.209	0.1374
5	11.38	Sulfate	BMB	0.259	3.112	2.1352
6	12.65	Ortho as P	BMB	0.096	0.691	-0.1170
		TOTAL:		0.51	5.22	2.99



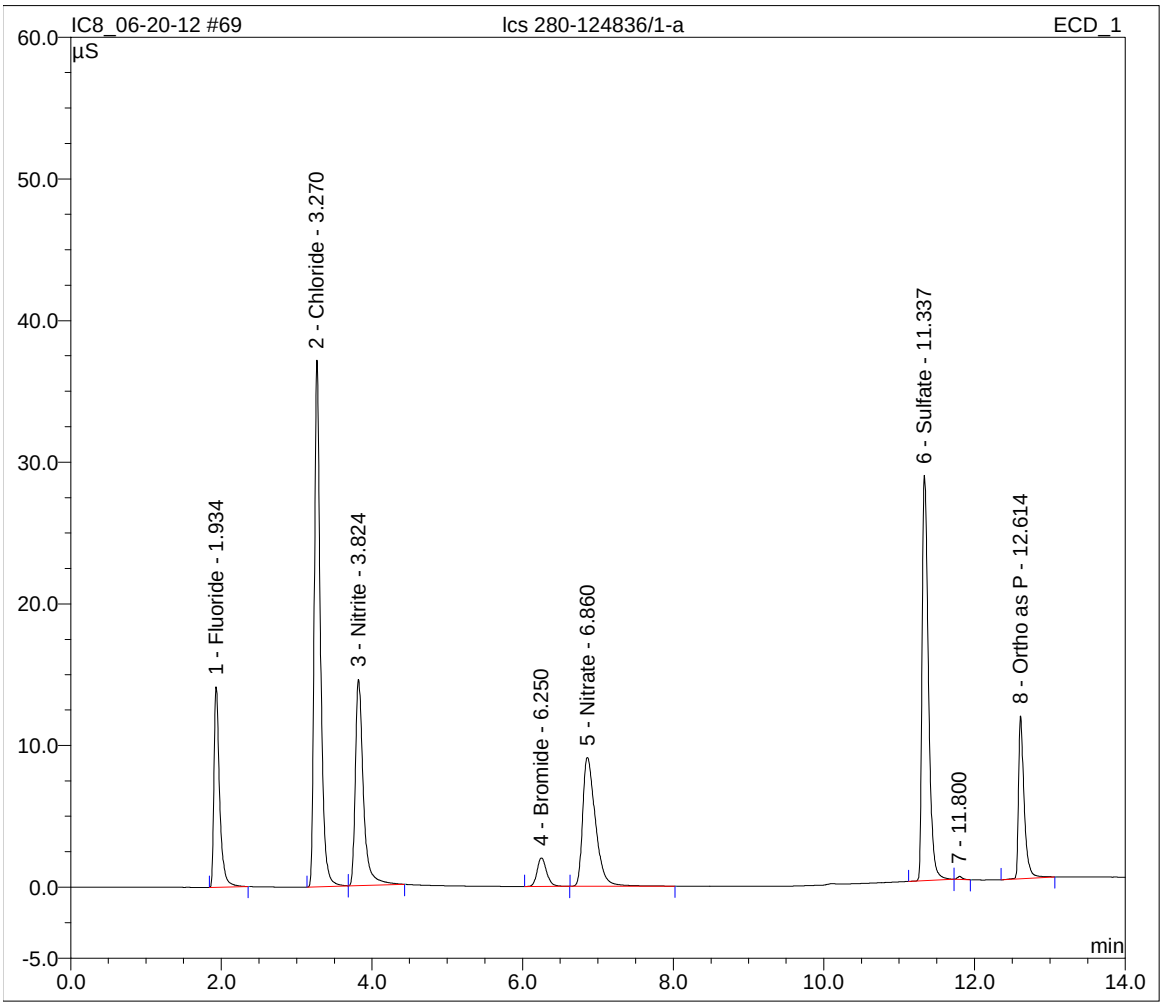
Sample Name:	**280-29825-a-7-e**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 02:49**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.028	0.299	0.0982
3	3.27	Chloride	BMB	0.136	1.439	1.0587
4	6.97	Nitrate	BMB	0.034	0.194	0.1317
5	11.39	Sulfate	BMB	0.148	1.669	1.0961
6	12.65	Ortho as P	BMB	0.092	0.645	-0.1378
		TOTAL:		0.44	4.25	2.25



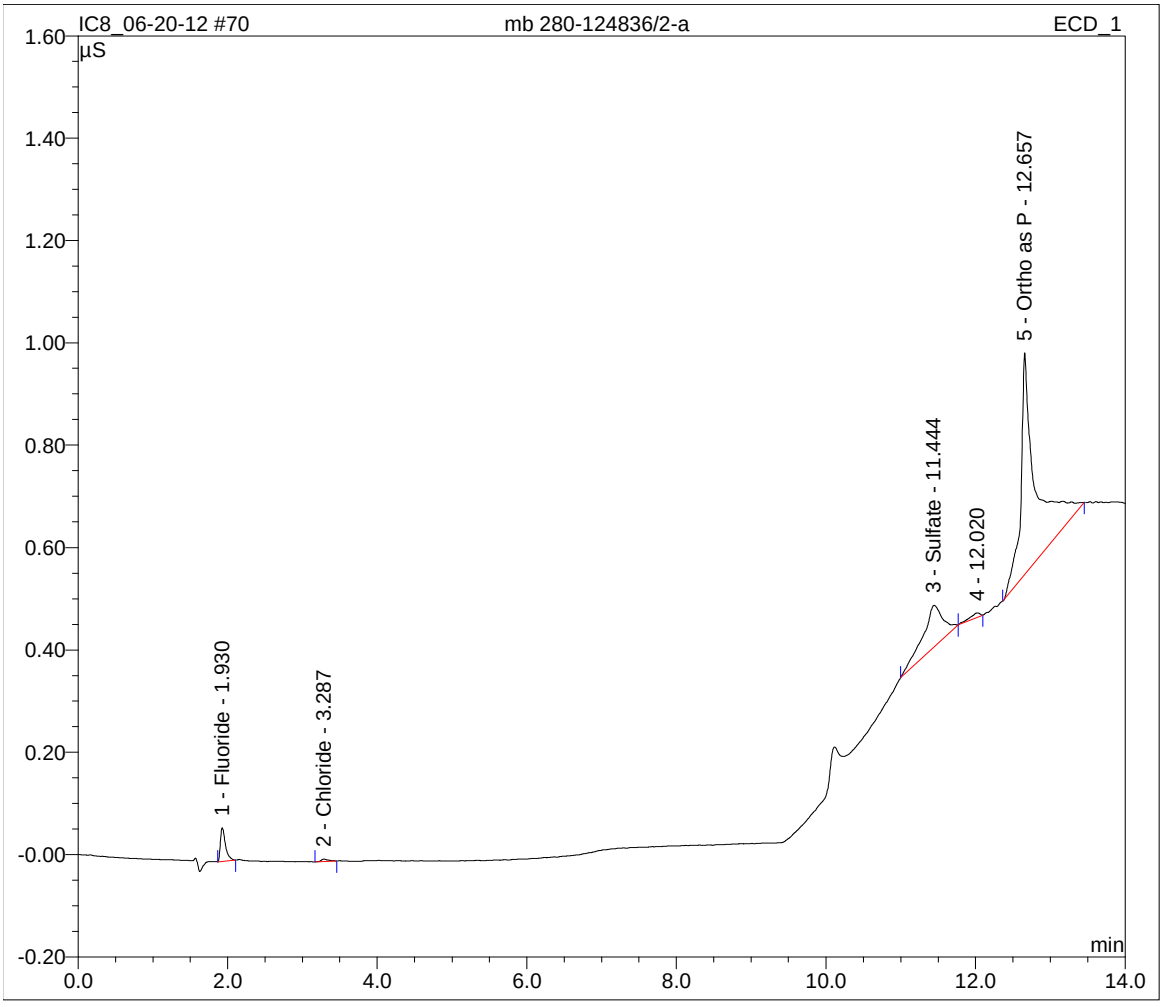
Sample Name:	**lcs 280-124836/1-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 03:06**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.217	14.143	5.2028
2	3.27	Chloride	BMB	3.526	37.161	25.8961
3	3.82	Nitrite	bMB	1.791	14.554	4.9041
4	6.25	Bromide	BMB	0.293	2.007	5.1191
5	6.86	Nitrate	BMB	1.778	9.088	5.1807
6	11.34	Sulfate	BMb	2.818	28.606	26.1572
8	12.61	Ortho as P	BMB	0.994	11.476	4.6399
		TOTAL:		12.42	117.04	77.10



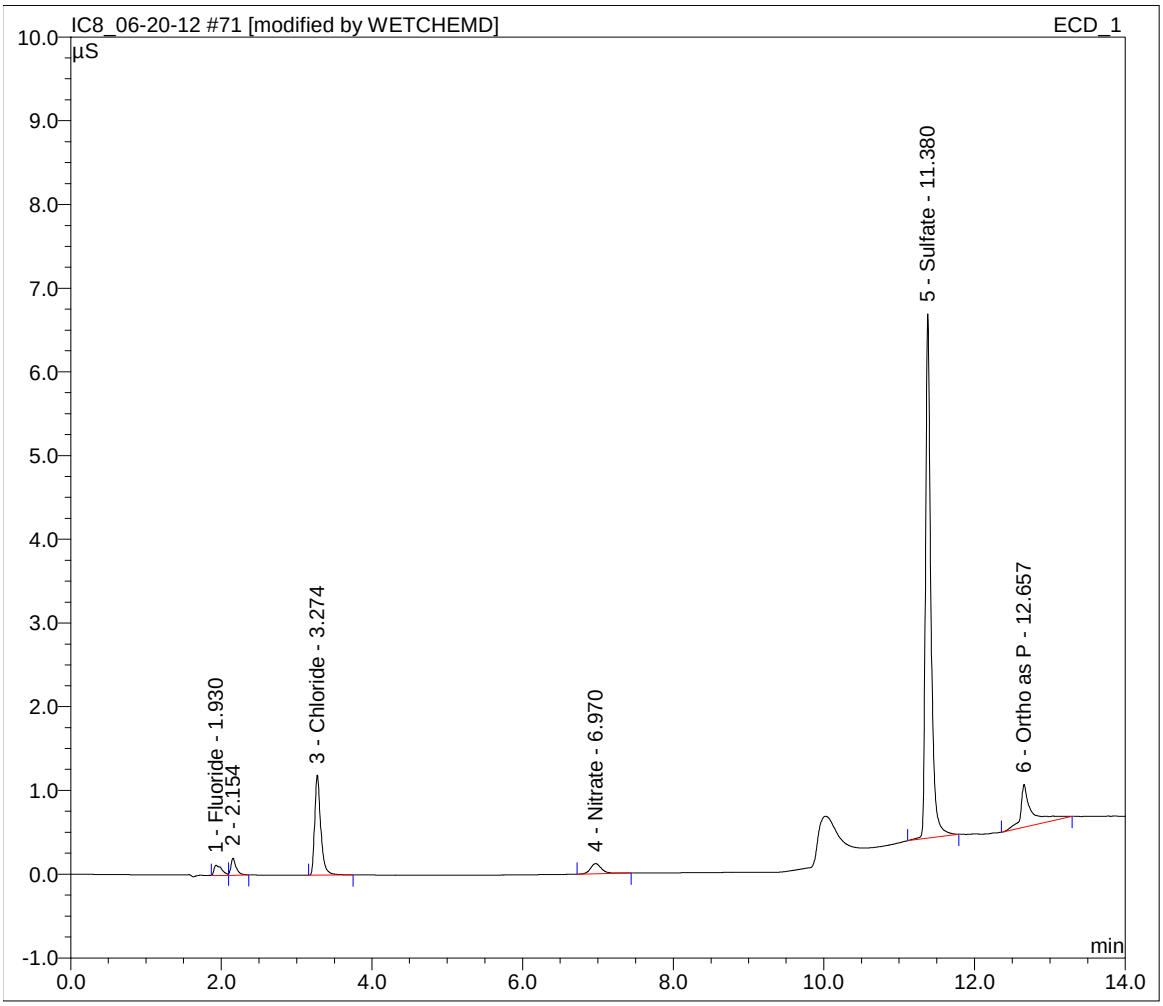
Sample Name:	**mb 280-124836/2-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 03:22**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.005	0.066	-0.0008
2	3.29	Chloride	BMB	0.001	0.005	0.0692
3	11.44	Sulfate	BMB	0.026	0.082	-0.0513
5	12.66	Ortho as P	BMB	0.102	0.433	-0.0834
TOTAL:				0.13	0.59	-0.07



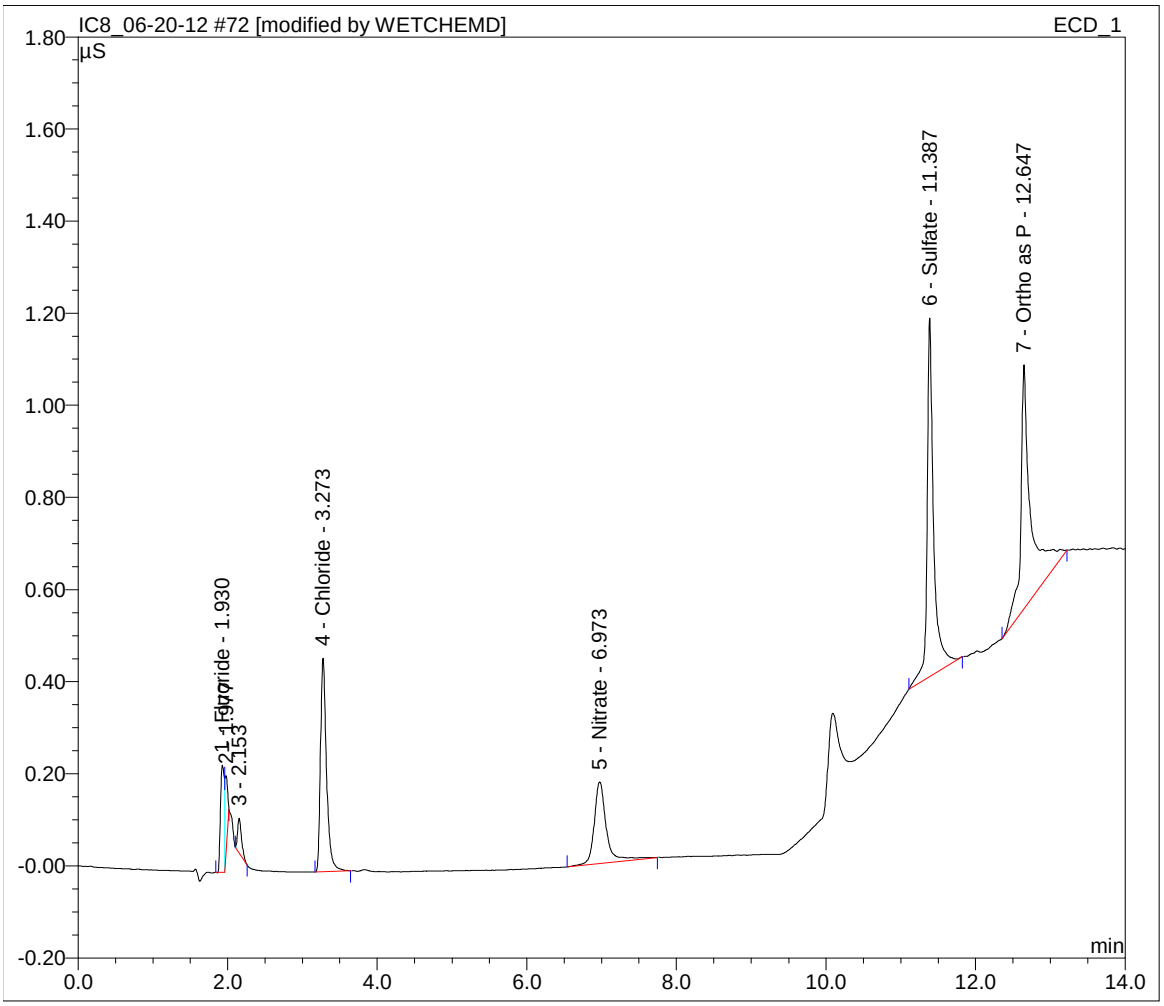
Sample Name:	**280-29827-a-1-p**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 03:39**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.014	0.121	0.0388
3	3.27	Chloride	BMB	0.112	1.195	0.8892
4	6.97	Nitrate	BMB	0.021	0.122	0.0950
5	11.38	Sulfate	BMB	0.519	6.264	4.5771
6	12.66	Ortho as P	BMB	0.089	0.510	-0.1507
		TOTAL:		0.76	8.21	5.45



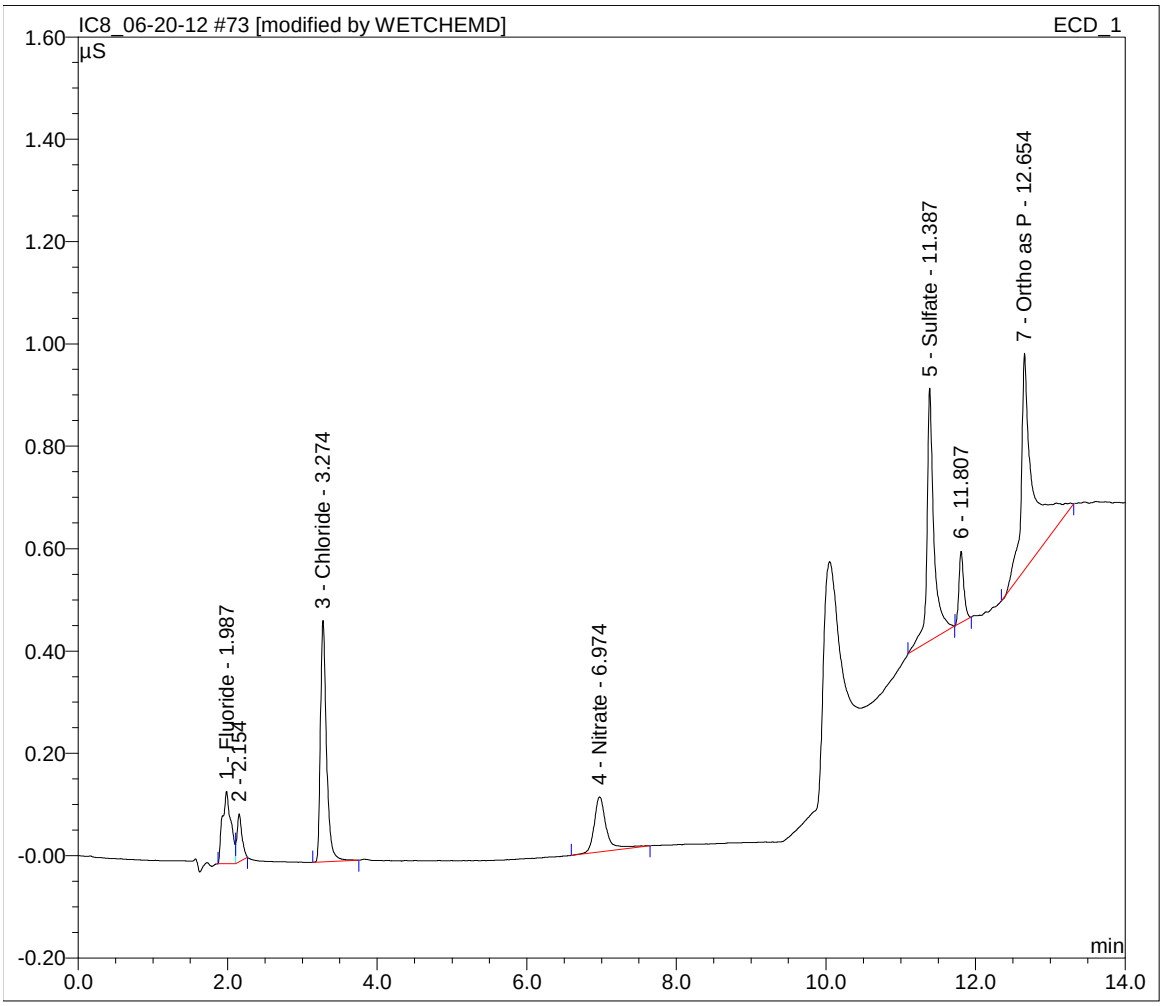
Sample Name:	**280-29827-a-2-j**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 03:56**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.013	0.233	0.0345
4	3.27	Chloride	BMB	0.043	0.464	0.3828
5	6.97	Nitrate	BMB	0.033	0.177	0.1308
6	11.39	Sulfate	BMB	0.079	0.779	0.4463
7	12.65	Ortho as P	BMB	0.085	0.529	-0.1767
		TOTAL:		0.25	2.18	0.82



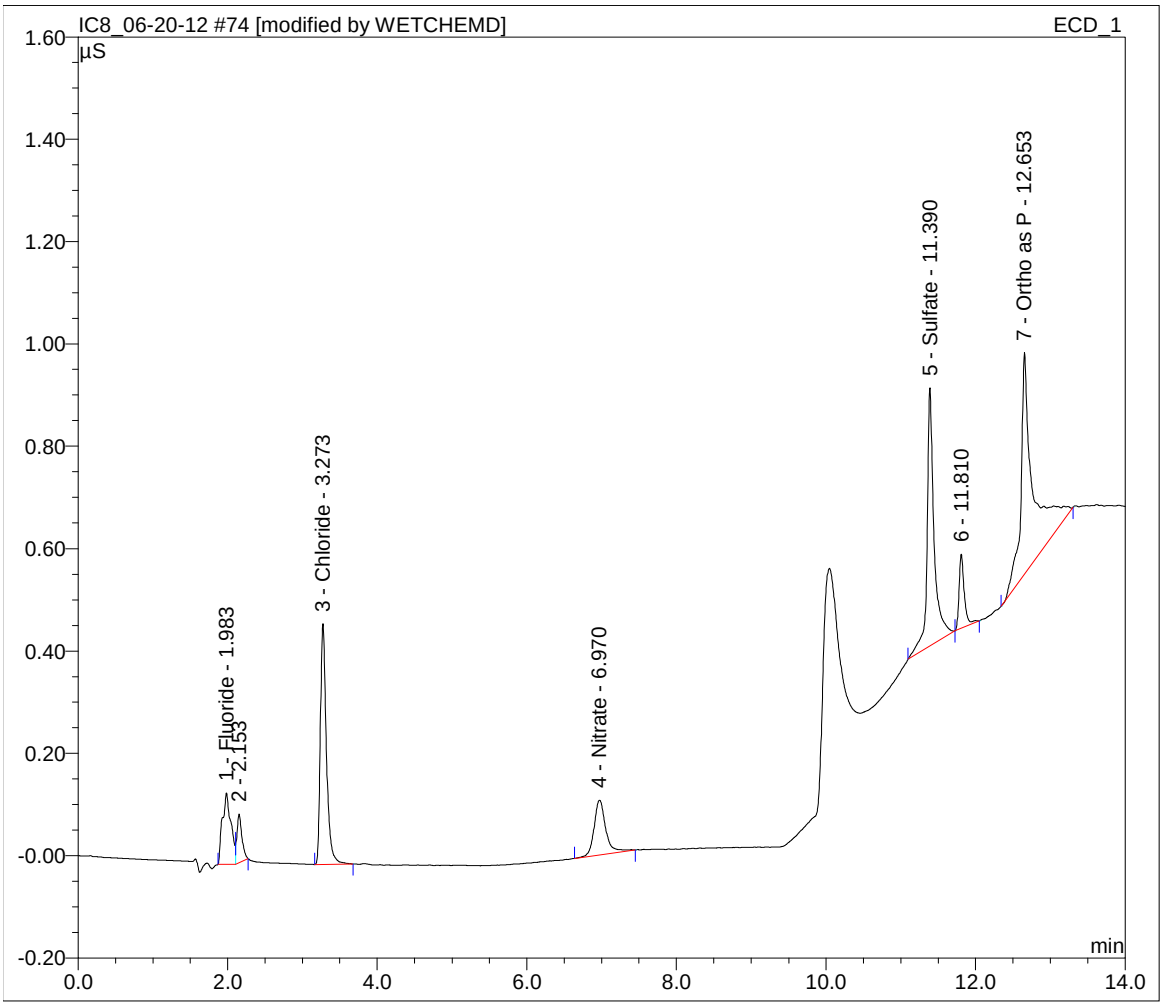
Sample Name:	**280-29827-a-3-j**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 04:13**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.99	Fluoride	BM *	0.019	0.141	0.0580
3	3.27	Chloride	BMB	0.044	0.472	0.3894
4	6.97	Nitrate	BMB	0.020	0.107	0.0933
5	11.39	Sulfate	BMB	0.054	0.493	0.2121
7	12.65	Ortho as P	BMB	0.081	0.423	-0.1954
		TOTAL:		0.22	1.64	0.56



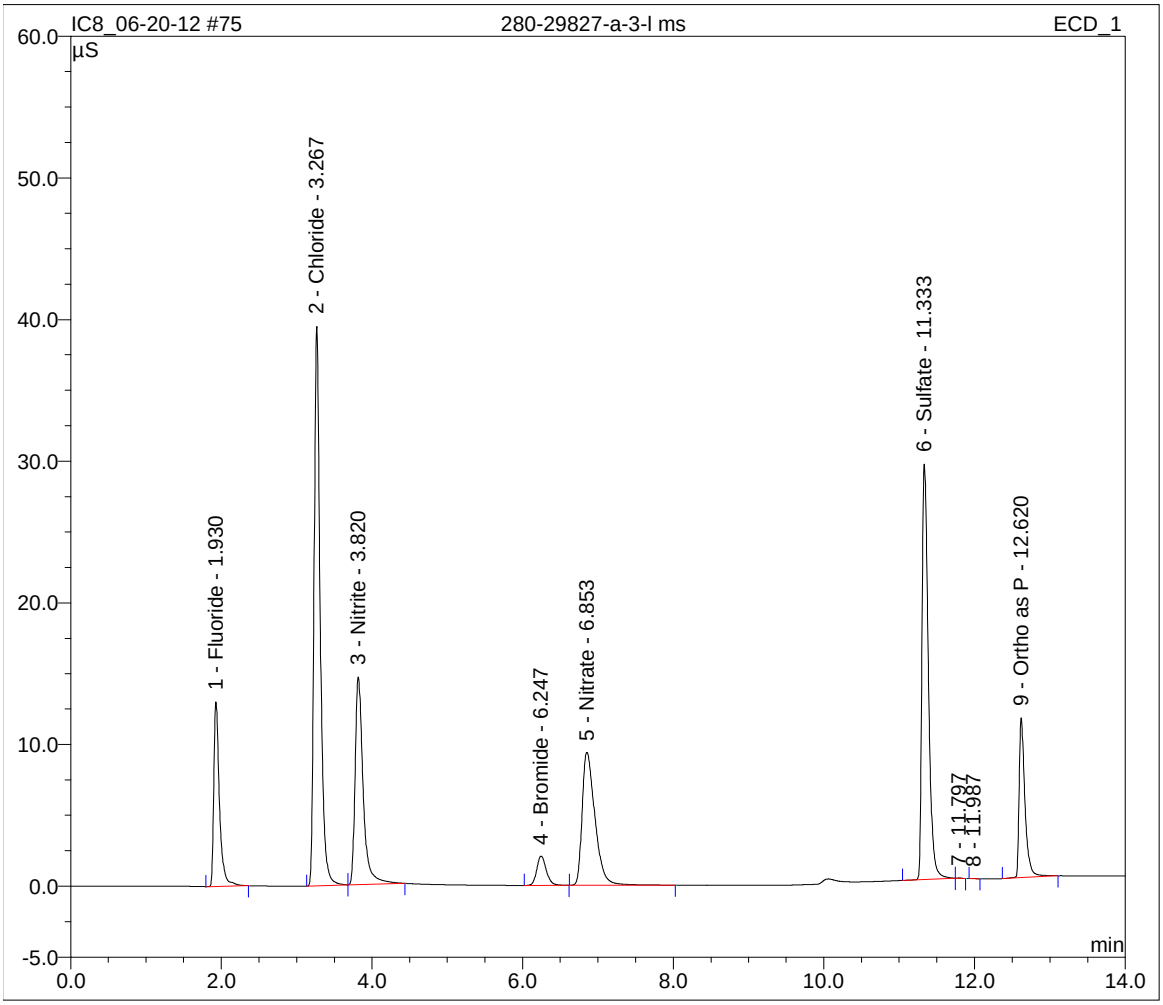
Sample Name:	**280-29827-a-3-k du**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 04:30**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.98	Fluoride	BM *	0.019	0.139	0.0578
3	3.27	Chloride	BMB	0.044	0.471	0.3882
4	6.97	Nitrate	BMB	0.019	0.107	0.0903
5	11.39	Sulfate	BMB	0.055	0.504	0.2196
7	12.65	Ortho as P	BMB	0.083	0.433	-0.1842
		TOTAL:		0.22	1.65	0.57



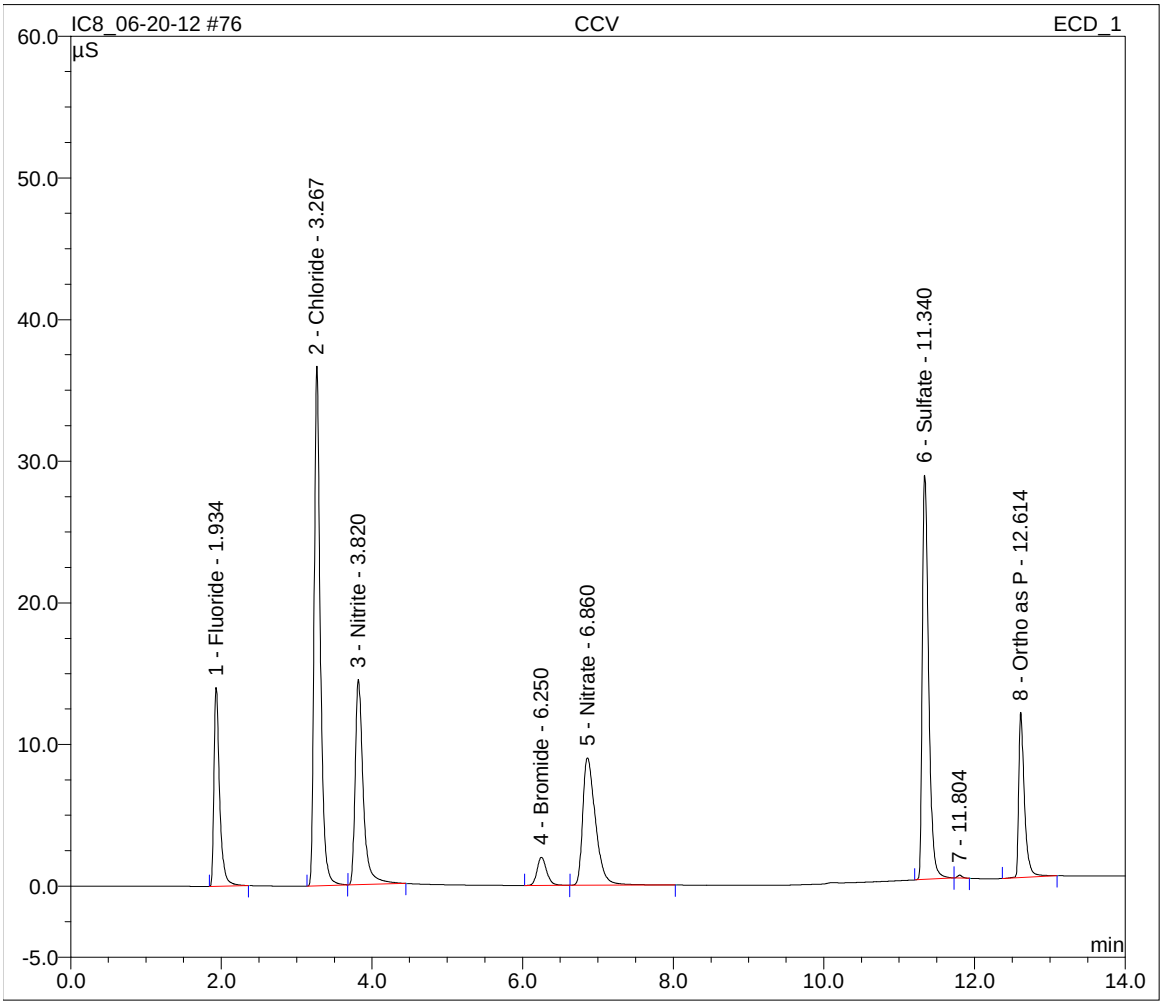
Sample Name:	**280-29827-a-3-I ms**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 04:46**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.126	13.017	4.8148
2	3.27	Chloride	BMB	3.753	39.508	27.5572
3	3.82	Nitrite	bMB	1.808	14.675	4.9502
4	6.25	Bromide	BMB	0.302	2.062	5.2683
5	6.85	Nitrate	BMB	1.849	9.377	5.3844
6	11.33	Sulfate	BMb	2.907	29.325	26.9914
9	12.62	Ortho as P	BMB	1.010	11.279	4.7229
		TOTAL:		12.75	119.24	79.69



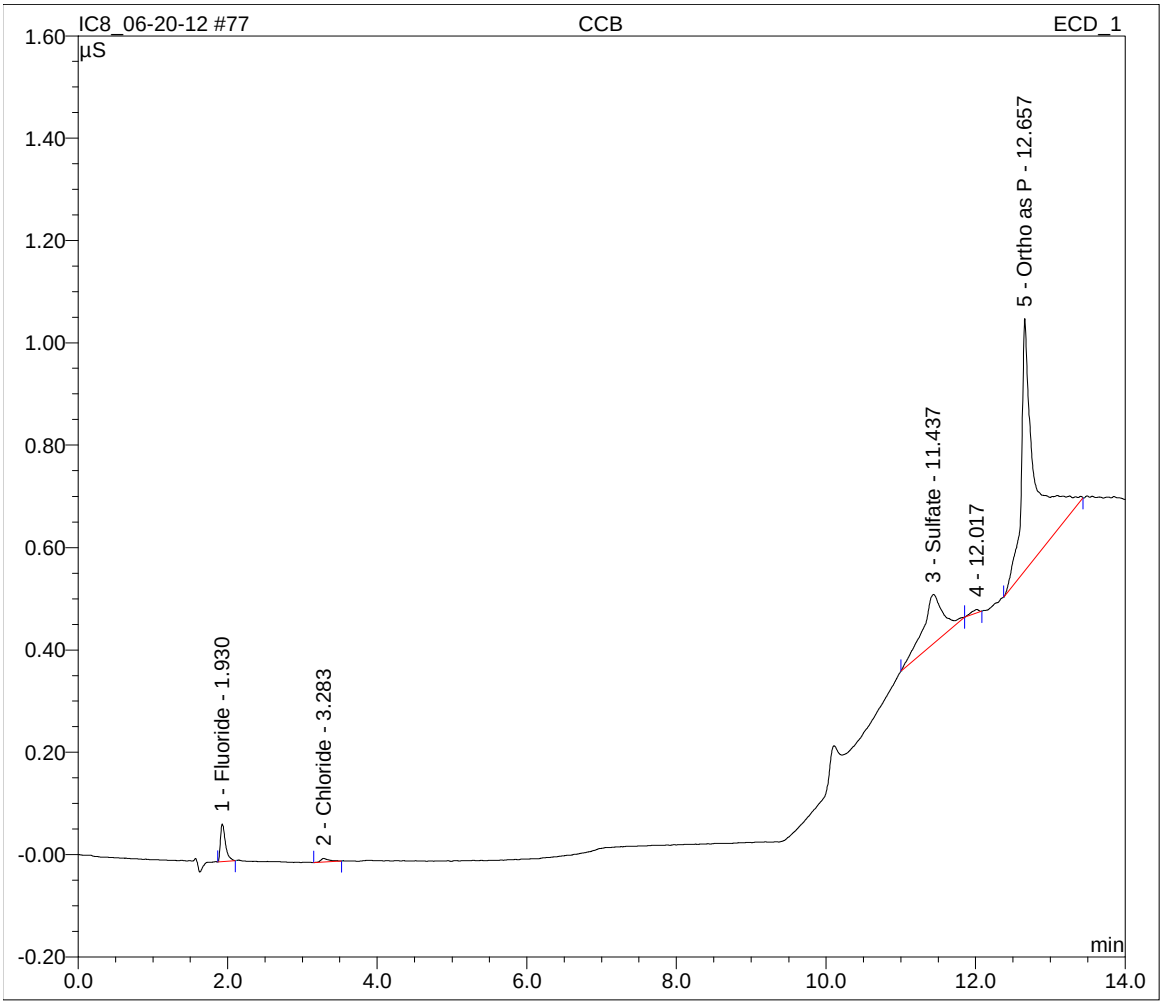
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 05:03**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.209	14.029	5.1684
2	3.27	Chloride	BMB	3.494	36.675	25.6637
3	3.82	Nitrite	BMB	1.782	14.462	4.8796
4	6.25	Bromide	BMB	0.291	1.975	5.0738
5	6.86	Nitrate	BMB	1.764	8.979	5.1385
6	11.34	Sulfate	BMb	2.796	28.525	25.9519
8	12.61	Ortho as P	BMB	1.029	11.661	4.8243
		TOTAL:		12.36	116.31	76.70



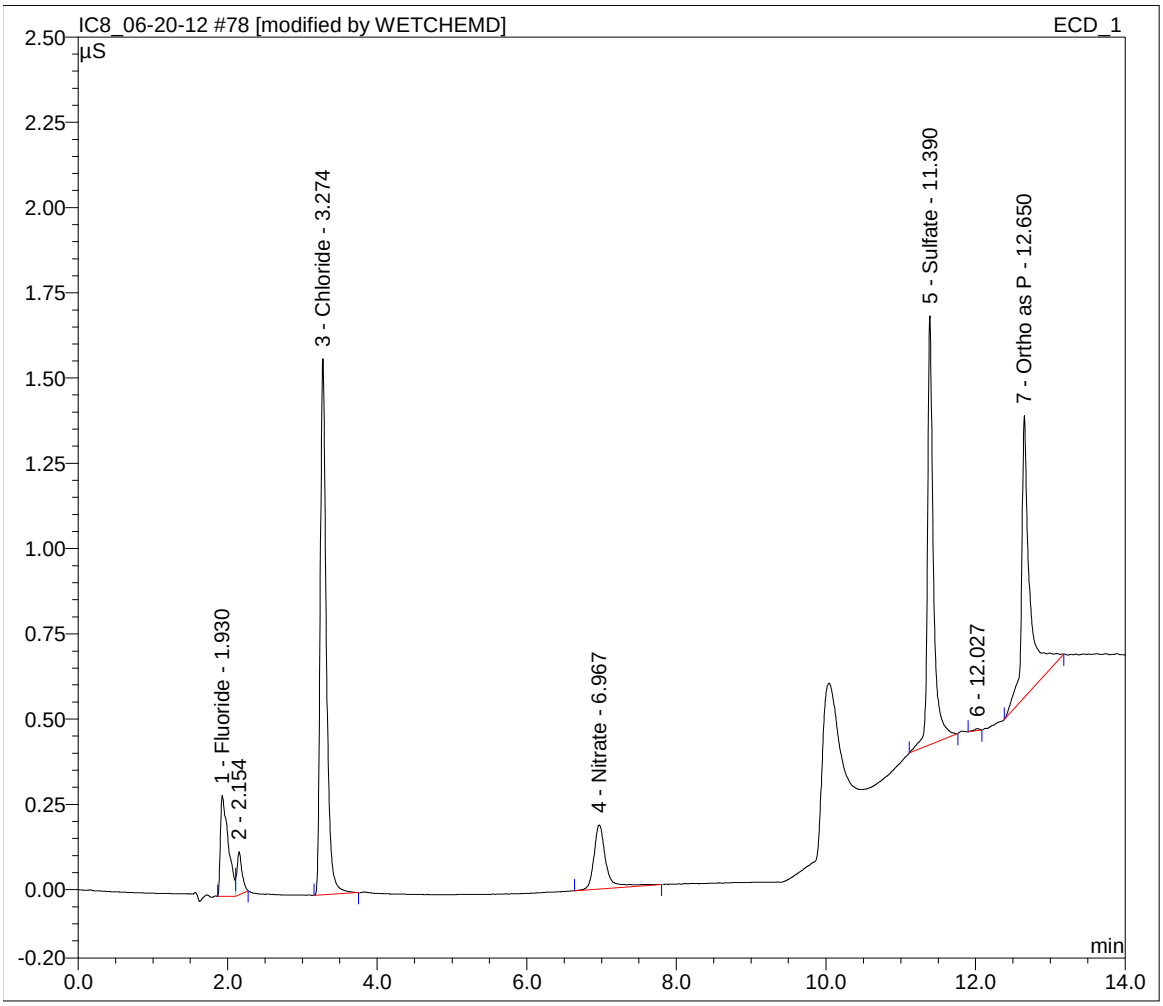
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 05:20**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.006	0.074	0.0015
2	3.28	Chloride	BMB	0.001	0.007	0.0715
3	11.44	Sulfate	BMb	0.030	0.096	-0.0126
5	12.66	Ortho as P	BMB	0.107	0.493	-0.0570
		TOTAL:		0.14	0.67	0.00



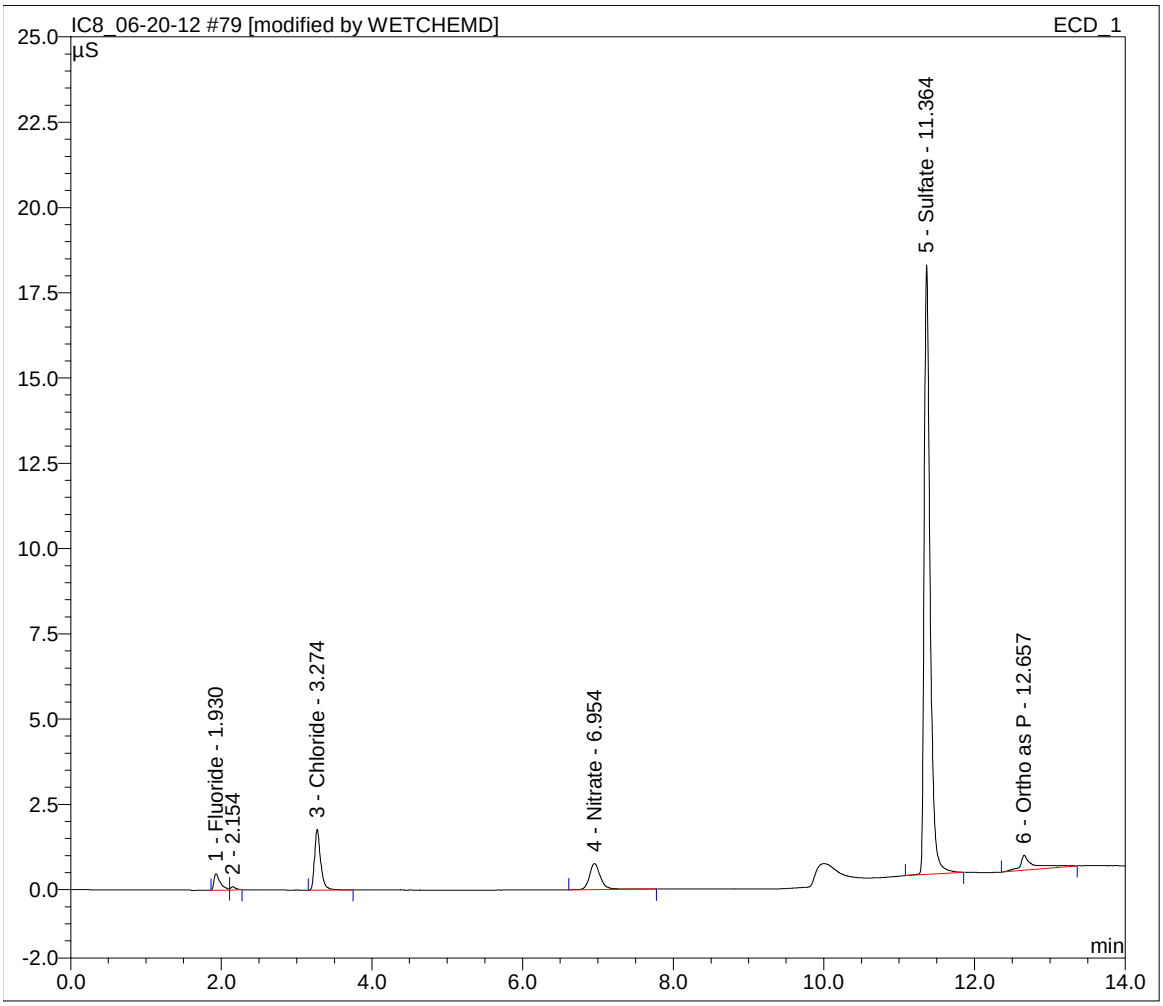
Sample Name:	**280-29827-a-4-h**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 05:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.036	0.295	0.1314
3	3.27	Chloride	BMB	0.149	1.572	1.1550
4	6.97	Nitrate	BMB	0.034	0.187	0.1344
5	11.39	Sulfate	BMB	0.115	1.259	0.7840
7	12.65	Ortho as P	BMB	0.107	0.826	-0.0571
		TOTAL:		0.44	4.14	2.15



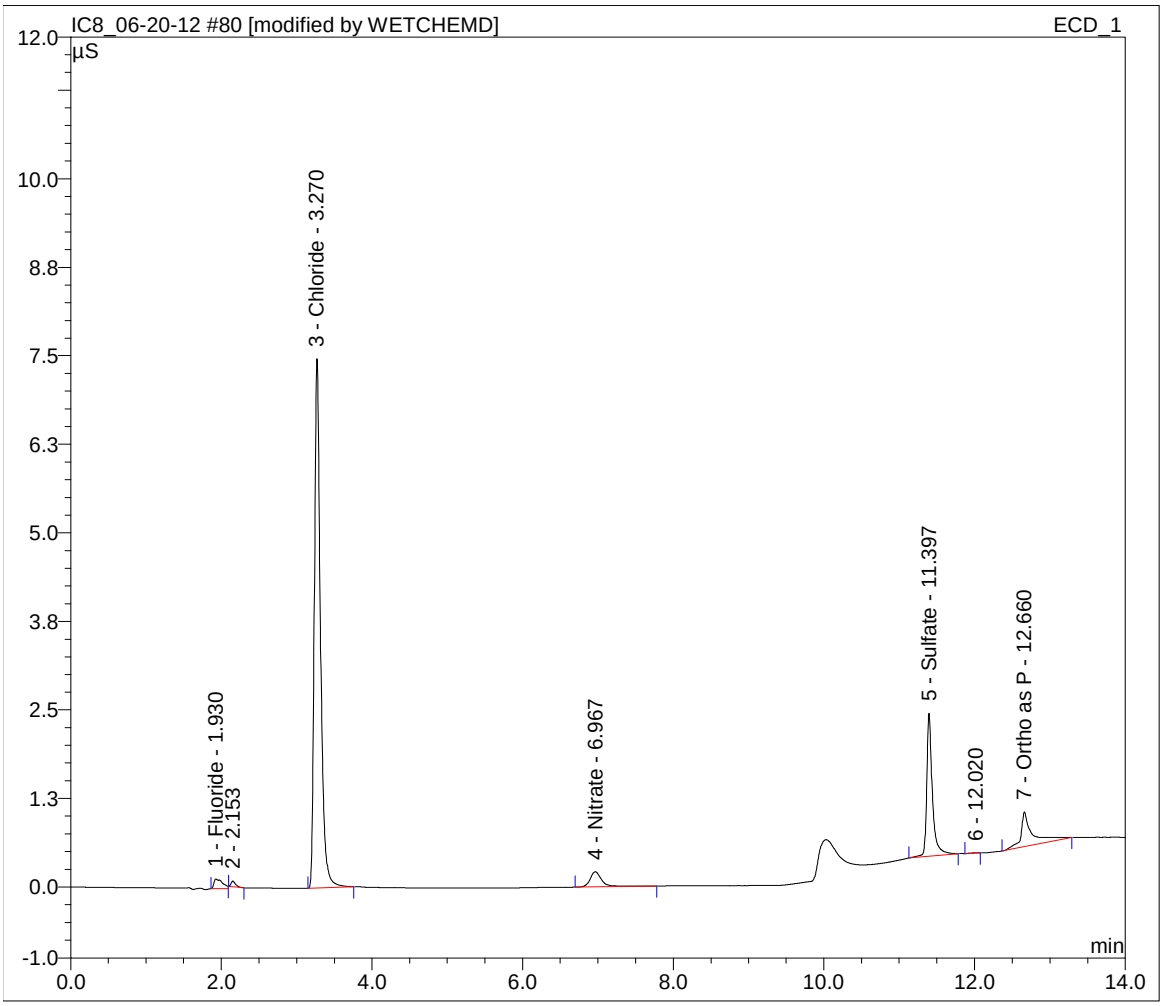
Sample Name:	**280-29827-a-5-h**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 05:54**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.047	0.481	0.1774
3	3.27	Chloride	BMB	0.167	1.772	1.2900
4	6.95	Nitrate	BMB	0.129	0.761	0.4085
5	11.36	Sulfate	BMB	1.616	17.872	14.8769
6	12.66	Ortho as P	BMB	0.091	0.442	-0.1398
		TOTAL:		2.05	21.33	16.61



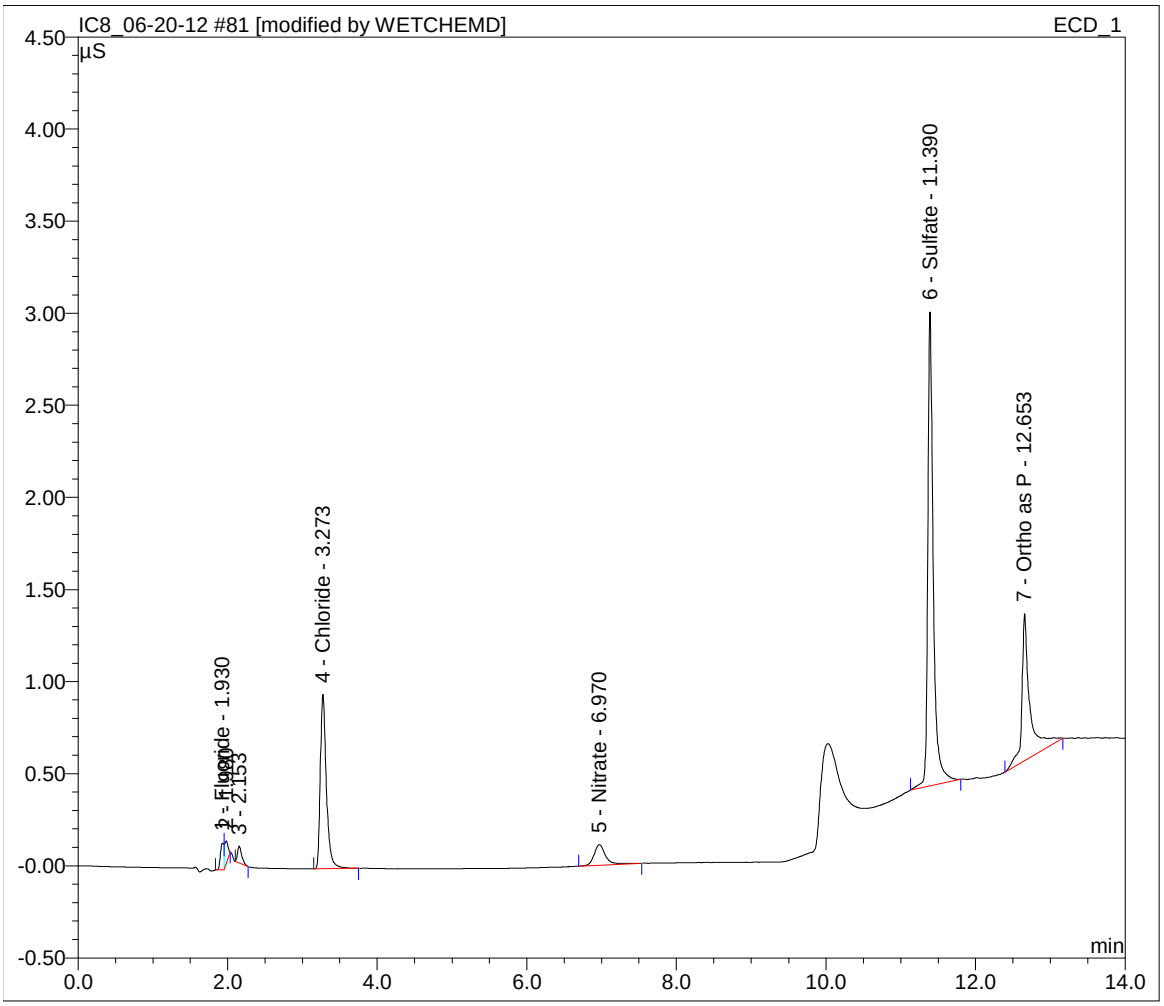
Sample Name:	**280-29827-a-6-h**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 06:10**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.018	0.138	0.0554
3	3.27	Chloride	BMB	0.709	7.468	5.2611
4	6.97	Nitrate	BMB	0.038	0.213	0.1458
5	11.40	Sulfate	BMB	0.175	2.017	1.3470
7	12.66	Ortho as P	BMB	0.087	0.491	-0.1661
		TOTAL:		1.03	10.33	6.64



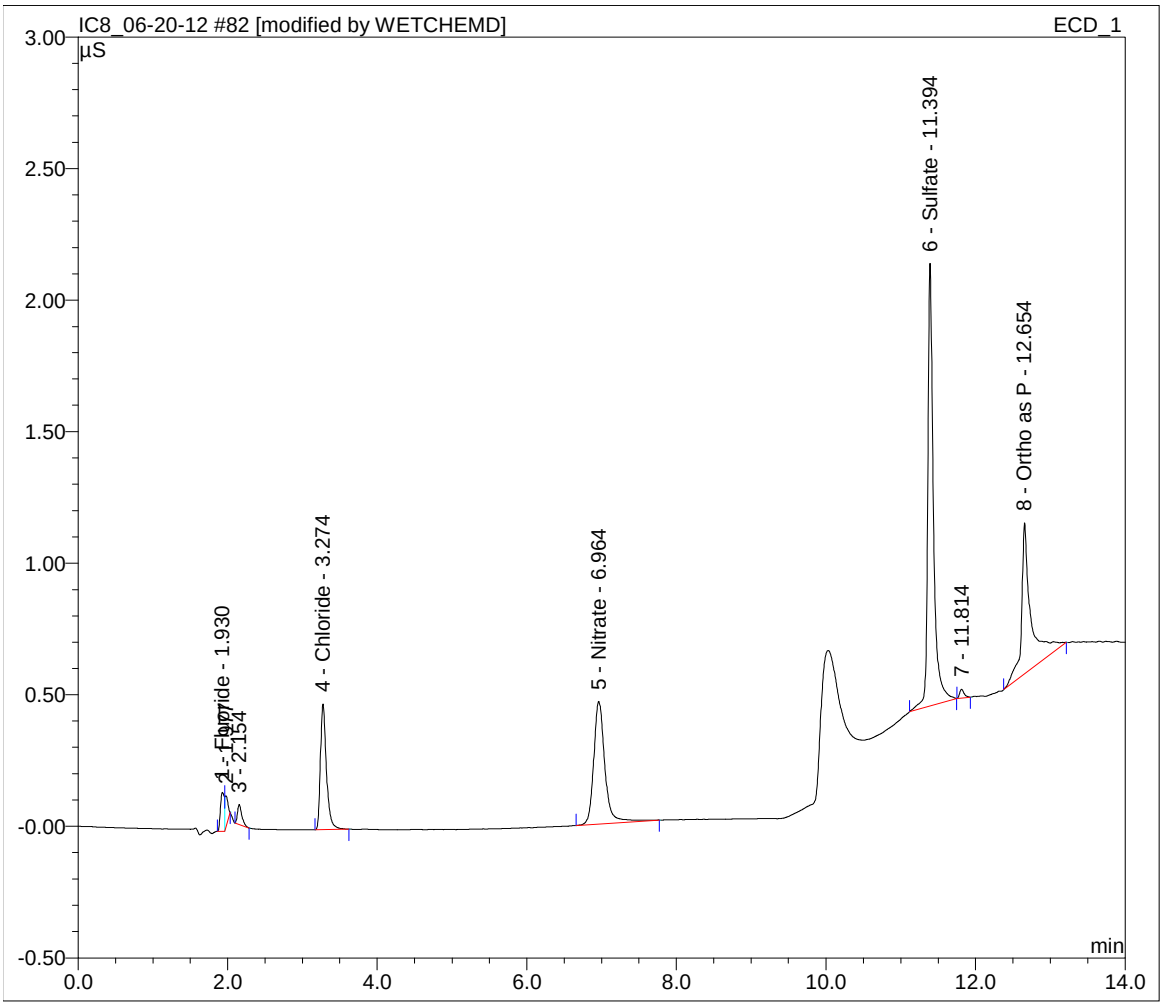
Sample Name:	**280-29827-a-7-h**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 06:27**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.007	0.145	0.0083
4	3.27	Chloride	BMB	0.089	0.946	0.7161
5	6.97	Nitrate	BMB	0.020	0.112	0.0929
6	11.39	Sulfate	BMB	0.219	2.574	1.7659
7	12.65	Ortho as P	BMB	0.100	0.799	-0.0953
		TOTAL:		0.44	4.58	2.49



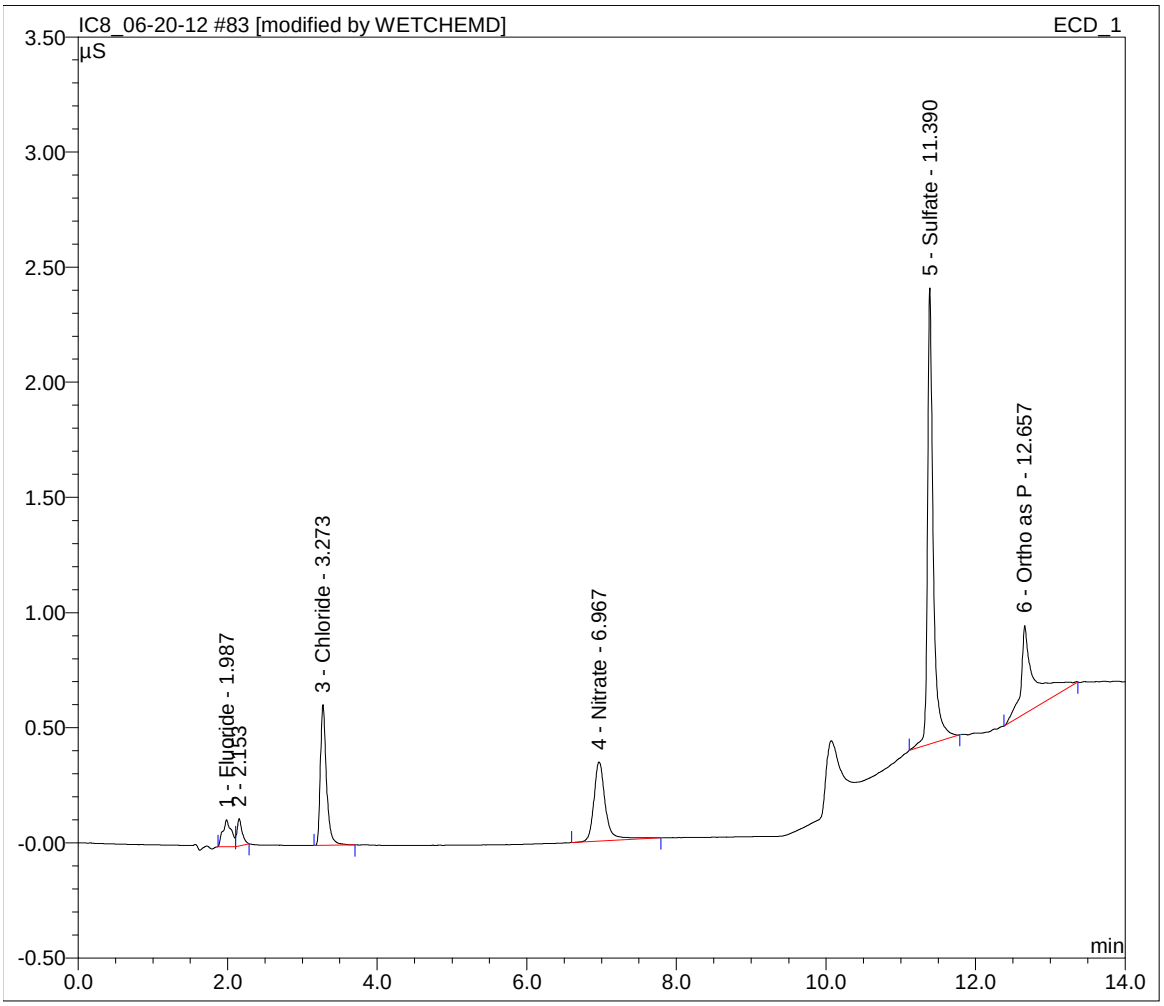
Sample Name:	**280-29827-a-8-h**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 06:44**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.009	0.148	0.0141
4	3.27	Chloride	BMB	0.044	0.477	0.3903
5	6.96	Nitrate	BMB	0.080	0.465	0.2671
6	11.39	Sulfate	BMB	0.148	1.683	1.0999
8	12.65	Ortho as P	BMB	0.086	0.575	-0.1674
		TOTAL:		0.37	3.35	1.60



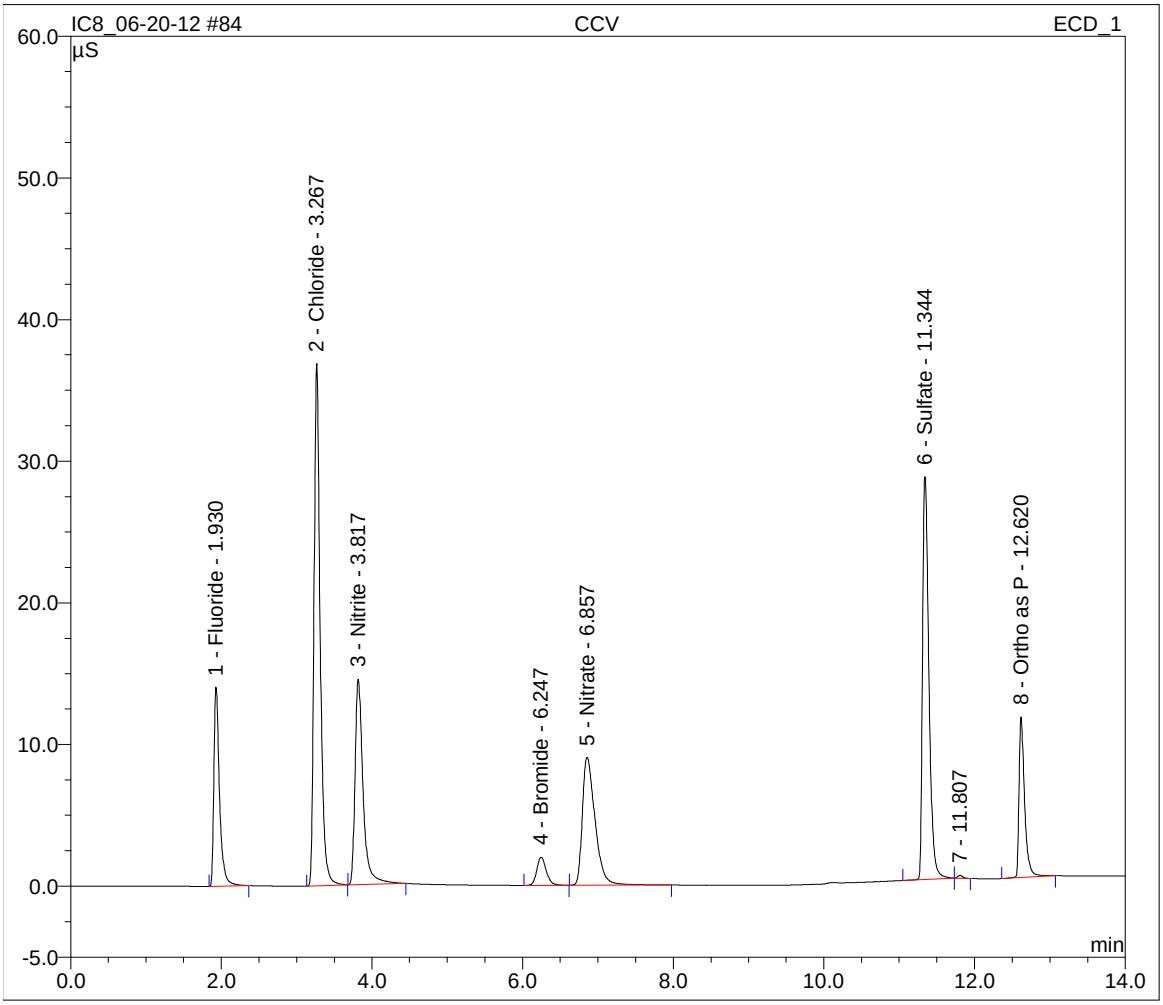
Sample Name:	**280-29827-b-9-i**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 07:01**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.99	Fluoride	BM *	0.016	0.116	0.0439
3	3.27	Chloride	BMB	0.057	0.610	0.4858
4	6.97	Nitrate	BMB	0.062	0.344	0.2132
5	11.39	Sulfate	BMB	0.176	1.982	1.3559
6	12.66	Ortho as P	BMB	0.083	0.384	-0.1831
		TOTAL:		0.39	3.44	1.92



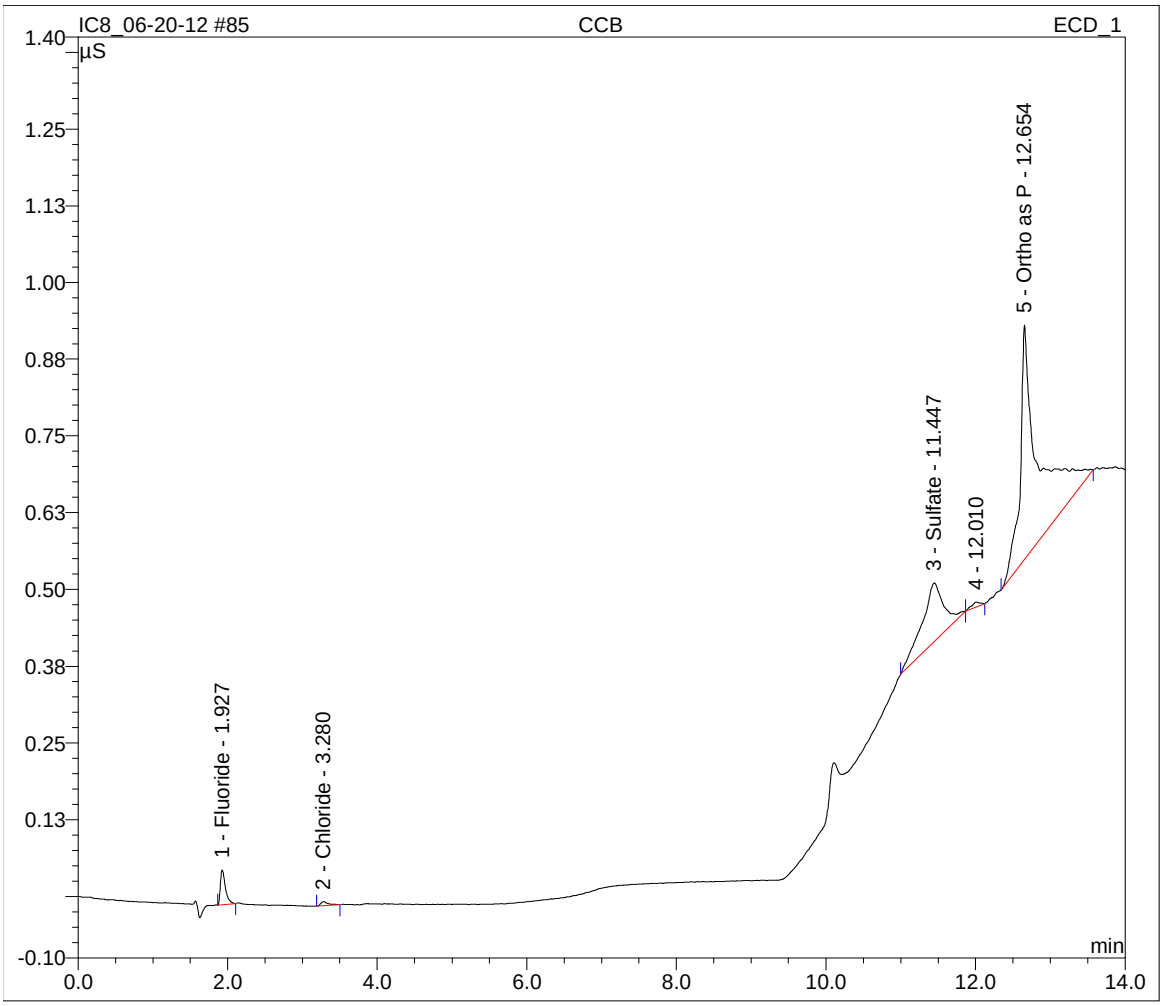
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 07:18**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.208	14.037	5.1639
2	3.27	Chloride	BMB	3.496	36.855	25.6767
3	3.82	Nitrite	BMB	1.786	14.490	4.8895
4	6.25	Bromide	BMB	0.290	1.982	5.0722
5	6.86	Nitrate	BMB	1.763	9.009	5.1353
6	11.34	Sulfate	BMb	2.786	28.443	25.8556
8	12.62	Ortho as P	BMB	0.972	11.321	4.5227
		TOTAL:		12.30	116.14	76.32



Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 07:34**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.004	0.057	-0.0040
2	3.28	Chloride	BMB	0.001	0.007	0.0711
3	11.45	Sulfate	BMb	0.032	0.095	0.0075
5	12.65	Ortho as P	BMB	0.108	0.382	-0.0514
		TOTAL:		0.15	0.54	0.02



Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/20/2012 9:43:45 AM by WETCHEMD
#Samples: 86 Last Update: 6/21/2012 3:59:30 PM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
1	RT CHECK	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:14:11 PM
2	cal1	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:31:00 PM
3	cal2	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:47:48 PM
4	cal3	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:04:36 PM
5	cal4	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:21:25 PM
6	cal5	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:38:13 PM
7	cal6	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:55:01 PM
8	BLK	Unknown	6	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:11:49 PM
9	ICV STD#00816	Unknown	201	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:28:37 PM
10	ICB	Unknown	186	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:45:26 PM
11	ICV STD#00819	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 9:44:07 AM
12	ICB	Unknown	187	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 10:00:55 AM
13	MRL 0.05	Unknown	202	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 10:17:44 AM
14	MRL 0.02	Unknown	203	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 10:34:32 AM
15	LCS STD#00819	Unknown	194	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 10:51:20 AM
16	LCSD	Unknown	193	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 11:08:08 AM
17	MB	Unknown	143	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 11:24:57 AM
18	280-30224-c-1	Unknown	139	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 11:41:45 AM
19	DU 280-30224-c-1	Unknown	175	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 11:58:33 AM
20	280-30224-c-2 2X	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 12:48:58 PM
21	280-30235-f-1 2X	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 1:05:46 PM
22	DU 280-30235-f-1 2X	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 1:22:35 PM
23	MS 280-30235-f-1 2X	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 1:39:23 PM
24	MSD 280-30235-f-1 2X	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 1:56:12 PM
25	280-30235-b-2 2X	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 2:13:00 PM
26	280-30235-b-3	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 2:29:48 PM
27	280-30235-b-4	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 2:46:37 PM
28	CCV	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 3:03:25 PM
29	CCB	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 3:20:13 PM
30	280-30235-b-5	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 3:37:01 PM
31	280-30235-b-6	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 3:53:49 PM
32	280-30235-b-7	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 4:10:37 PM
33	280-30235-b-8	Unknown	411	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 4:27:26 PM
34	280-30235-b-9	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 4:44:14 PM
35	280-30225-a-1 5X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 5:01:02 PM
36	280-30225-a-2 5X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 5:17:50 PM
37	280-30224-c-1 5X	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 5:34:38 PM
38	DU 280-30224-c-1 5X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 5:51:26 PM
39	280-30224-c-2 50X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 6:08:15 PM
40	CCV	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 6:58:40 PM
41	CCB	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 7:15:28 PM
42	280-30235-f-1 50X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 7:32:16 PM
43	DU 280-30235-f-1 50X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 7:49:04 PM
44	MS 280-30235-f-1 50X	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 8:05:53 PM

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/20/2012 9:43:45 AM by WETCHEMD
#Samples: 86 Last Update: 6/21/2012 3:59:30 PM by WETCHEMD

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	RT CHECK	1.0000	1.0000	1.0000	100		EMK
2	cal1	1.0000	1.0000	1.0000	101		EMK
3	cal2	1.0000	1.0000	1.0000	102		EMK
4	cal3	1.0000	1.0000	1.0000	103		EMK
5	cal4	1.0000	1.0000	1.0000	104		EMK
6	cal5	1.0000	1.0000	1.0000	105		EMK
7	cal6	1.0000	1.0000	1.0000	106		EMK
8	BLK	1.0000	1.0000	1.0000	107		EMK
9	ICV STD#00816	1.0000	1.0000	1.0000	108		EMK
10	ICB	1.0000	1.0000	1.0000	109		EMK
11	ICV STD#00819	1.0000	1.0000	1.0000	110		EMK
12	ICB	1.0000	1.0000	1.0000	111		EMK
13	MRL 0.05	1.0000	1.0000	1.0000	112		EMK
14	MRL 0.02	1.0000	1.0000	1.0000	113		EMK
15	LCS STD#00819	1.0000	1.0000	1.0000	114		EMK
16	LCSD	1.0000	1.0000	1.0000	115		EMK
17	MB	1.0000	1.0000	1.0000	116		EMK
18	280-30224-c-1	1.0000	1.0000	1.0000	117		EMK
19	DU 280-30224-c-1	1.0000	1.0000	1.0000	118		EMK
20	280-30224-c-2 2X	1.0000	2.0000	1.0000	119		EMK
21	280-30235-f-1 2X	1.0000	2.0000	1.0000	120		EMK
22	DU 280-30235-f-1 2X	1.0000	2.0000	1.0000	121		EMK
23	MS 280-30235-f-1 2X	1.0000	2.0000	1.0000	122		EMK
24	MSD 280-30235-f-1 2X	1.0000	2.0000	1.0000	123		EMK
25	280-30235-b-2 2X	1.0000	2.0000	1.0000	124		EMK
26	280-30235-b-3	1.0000	1.0000	1.0000	125		EMK
27	280-30235-b-4	1.0000	1.0000	1.0000	126		EMK
28	CCV	1.0000	1.0000	1.0000	127		EMK
29	CCB	1.0000	1.0000	1.0000	128		EMK
30	280-30235-b-5	1.0000	1.0000	1.0000	129		EMK
31	280-30235-b-6	1.0000	1.0000	1.0000	130		EMK
32	280-30235-b-7	1.0000	1.0000	1.0000	131		EMK
33	280-30235-b-8	1.0000	1.0000	1.0000	132		EMK
34	280-30235-b-9	1.0000	1.0000	1.0000	133		EMK
35	280-30225-a-1 5X	1.0000	5.0000	1.0000	134		EMK
36	280-30225-a-2 5X	1.0000	5.0000	1.0000	135		EMK
37	280-30224-c-1 5X	1.0000	5.0000	1.0000	136		EMK
38	DU 280-30224-c-1 5X	1.0000	5.0000	1.0000	137		EMK
39	280-30224-c-2 50X	1.0000	50.0000	1.0000	138		EMK
40	CCV	1.0000	1.0000	1.0000	139		EMK
41	CCB	1.0000	1.0000	1.0000	140		EMK
42	280-30235-f-1 50X	1.0000	50.0000	1.0000	141		EMK
43	DU 280-30235-f-1 50X	1.0000	50.0000	1.0000	142		EMK
44	MS 280-30235-f-1 50X	1.0000	50.0000	1.0000	143		EMK

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/20/2012 9:43:45 AM by WETCHEMD
#Samples: 86 Last Update: 6/21/2012 3:59:30 PM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time
45	MSD 280-30235-f-1 50X	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 8:22:41 PM
46	280-30235-b-2 50X	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 8:39:29 PM
47	280-30235-b-3 5X	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 8:56:17 PM
48	280-30235-b-4 10X	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 9:13:06 PM
49	280-30235-b-5 5X	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 9:29:54 PM
50	280-30235-b-6 10X	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 9:46:42 PM
51	280-30235-b-8 5X	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 10:03:31 PM
52	CCV	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 10:20:19 PM
53	CCB	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 10:37:07 PM
54	280-30225-a-1 100X	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 10:53:55 PM
55	280-30225-a-2 100X	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 11:10:44 PM
56	lcs 280-124831/1-a	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 11:27:32 PM
57	mb 280-124831/2-a	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/20/2012 11:44:20 PM
58	280-29825-b-1-g	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 12:01:09 AM
59	280-29825-b-2-d	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 12:17:58 AM
60	280-29825-b-2-e du	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 12:34:46 AM
61	280-29825-b-2-f ms	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 12:51:34 AM
62	280-29825-b-3-d	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 1:08:23 AM
63	280-29825-b-4-g	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 1:25:11 AM
64	CCV	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 1:41:59 AM
65	CCB	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 1:58:48 AM
66	280-29825-a-5-i	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 2:15:36 AM
67	280-29825-a-6-e	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 2:32:24 AM
68	280-29825-a-7-e	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 2:49:13 AM
69	lcs 280-124836/1-a	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 3:06:01 AM
70	mb 280-124836/2-a	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 3:22:49 AM
71	280-29827-a-1-p	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 3:39:37 AM
72	280-29827-a-2-j	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 3:56:25 AM
73	280-29827-a-3-j	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 4:13:14 AM
74	280-29827-a-3-k du	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 4:30:02 AM
75	280-29827-a-3-l ms	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 4:46:50 AM
76	CCV	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 5:03:39 AM
77	CCB	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 5:20:27 AM
78	280-29827-a-4-h	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 5:37:15 AM
79	280-29827-a-5-h	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 5:54:03 AM
80	280-29827-a-6-h	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 6:10:52 AM
81	280-29827-a-7-h	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 6:27:40 AM
82	280-29827-a-8-h	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 6:44:29 AM
83	280-29827-b-9-i	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 7:01:17 AM
84	CCV	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 7:18:05 AM
85	CCB	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 7:34:53 AM
86	END	Unknown	421	10.0	stop	7 ANION AS11	Finished	6/21/2012 7:51:41 AM

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/20/2012 9:43:45 AM by WETCHEMD
#Samples: 86 Last Update: 6/21/2012 3:59:30 PM by WETCHEMD

No.	Name	Weight	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
45	MSD 280-30235-f-1 50X	1.0000	50.0000	1.0000	144		EMK
46	280-30235-b-2 50X	1.0000	50.0000	1.0000	145		EMK
47	280-30235-b-3 5X	1.0000	5.0000	1.0000	146		EMK
48	280-30235-b-4 10X	1.0000	10.0000	1.0000	147		EMK
49	280-30235-b-5 5X	1.0000	5.0000	1.0000	148		EMK
50	280-30235-b-6 10X	1.0000	10.0000	1.0000	149		EMK
51	280-30235-b-8 5X	1.0000	5.0000	1.0000	150		EMK
52	CCV	1.0000	1.0000	1.0000	151		EMK
53	CCB	1.0000	1.0000	1.0000	152		EMK
54	280-30225-a-1 100X	1.0000	100.0000	1.0000	153		EMK
55	280-30225-a-2 100X	1.0000	100.0000	1.0000	154		EMK
56	lcs 280-124831/1-a	1.0000	1.0000	1.0000	155		EMK
57	mb 280-124831/2-a	1.0000	1.0000	1.0000	156		EMK
58	280-29825-b-1-g	1.0000	1.0000	1.0000	157		EMK
59	280-29825-b-2-d	1.0000	1.0000	1.0000	158		EMK
60	280-29825-b-2-e du	1.0000	1.0000	1.0000	159		EMK
61	280-29825-b-2-f ms	1.0000	1.0000	1.0000	160		EMK
62	280-29825-b-3-d	1.0000	1.0000	1.0000	161		EMK
63	280-29825-b-4-g	1.0000	1.0000	1.0000	162		EMK
64	CCV	1.0000	1.0000	1.0000	163		EMK
65	CCB	1.0000	1.0000	1.0000	164		EMK
66	280-29825-a-5-i	1.0000	1.0000	1.0000	165		EMK
67	280-29825-a-6-e	1.0000	1.0000	1.0000	166		EMK
68	280-29825-a-7-e	1.0000	1.0000	1.0000	167		EMK
69	lcs 280-124836/1-a	1.0000	1.0000	1.0000	168		EMK
70	mb 280-124836/2-a	1.0000	1.0000	1.0000	169		EMK
71	280-29827-a-1-p	1.0000	1.0000	1.0000	170		EMK
72	280-29827-a-2-j	1.0000	1.0000	1.0000	171		EMK
73	280-29827-a-3-j	1.0000	1.0000	1.0000	172		EMK
74	280-29827-a-3-k du	1.0000	1.0000	1.0000	173		EMK
75	280-29827-a-3-l ms	1.0000	1.0000	1.0000	174		EMK
76	CCV	1.0000	1.0000	1.0000	175		EMK
77	CCB	1.0000	1.0000	1.0000	176		EMK
78	280-29827-a-4-h	1.0000	1.0000	1.0000	177		EMK
79	280-29827-a-5-h	1.0000	1.0000	1.0000	178		EMK
80	280-29827-a-6-h	1.0000	1.0000	1.0000	179		EMK
81	280-29827-a-7-h	1.0000	1.0000	1.0000	180		EMK
82	280-29827-a-8-h	1.0000	1.0000	1.0000	181		EMK
83	280-29827-b-9-i	1.0000	1.0000	1.0000	182		EMK
84	CCV	1.0000	1.0000	1.0000	183		EMK
85	CCB	1.0000	1.0000	1.0000	184		EMK
86	END	1.0000	1.0000	1.0000	185		EMK

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Pressure.LowerLimit =              200 [psi]
           Pressure.UpperLimit =              3000 [psi]
           %A.Equate =                        "DI H2O"
           CR_TC =                            On
           Pump_InjectValve.State             LoadPosition
           Data_Collection_Rate =             5.0 [Hz]
           CellTemperature.Nominal =          35.0 [°C]
           ColumnTemperature.Nominal =        30.0 [°C]
           Suppressor_Type =                  ASRS_4mm
           ; Pump_ECD.Hydroxide =             50.0
           ; Pump_ECD.Recommended Current =   124
           ; Pump_ECD.Carbonate =             0.0
           ; Pump_ECD.Bicarbonate =           0.0
           ; Pump_ECD.Tetraborate =           0.0
           ; Pump_ECD.Other eluent =          0.0
           Suppressor_Current =               125 [mA]
           Flow =                             1.00 [ml/min]

-2.700     Pump_ECD_Relay_1.Open              Duration=0.01
           Concentration =                    10.00 [mM]
           Curve =                            5

-2.500     Pump_ECD_Relay_1.Closed            Duration=0.01

 0.000     Autozero
           ECD_1.AcqOn
           Pump_InjectValve.InjectPosition    Duration=720.00

 7.500     Concentration =                    10.00 [mM]
           Curve =                            5

10.500     Concentration =                    40.00 [mM]
           Curve =                            5

10.600     Concentration =                    50.00 [mM]
           Curve =                            5

12.500     Concentration =                    50.00 [mM]
           Curve =                            5

12.600     Concentration =                    10.00 [mM]
           Curve =                            5

13.000     Concentration =                    10.00 [mM]
```

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Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Curve =                          5

14.000     ECD_1.AcqOff
           End
```

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ
Timebase: ICS-8
Created: 3/20/2008 10:44:59 AM by kudlae
Changed: 3/31/2008 10:13:48 AM by kudlae

No.	Channel	Operation	Parameters

Title: Stop
Datasource: D3YCYMF1_local Created: 3/11/2008 4:10:47 PM by Test America Labs
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ
Timebase: ICS-8 Changed: 3/11/2008 4:10:47 PM by Test America Labs

```
           ColumnTemperature =                Off
           CellTemperature.Nominal =          Off
; Pump_ECD.Hydroxide =                        50.0
; Pump_ECD.Recommended Current =              124
; Pump_ECD.Carbonate =                        0.0
; Pump_ECD.Bicarbonate =                      0.0
; Pump_ECD.Tetraborate =                      0.0
; Pump_ECD.Other eluent =                     0.0
           Pressure.LowerLimit =              200
           Pressure.UpperLimit =              3000
           %A.Equate =                        "DI H2O"
           CR_TC =                            Off
           ;LoadPosition
           Data_Collection_Rate =             5.0
           Suppressor_Type =                  ASRS_4mm
           Suppressor_Current =               124
           Suppressor_Mode =                  Off
           ECD_Total.Step =                   0.50
           ECD_Total.Average =                Off
           Channel_Pressure.Step =            0.50
           Channel_Pressure.Average =         Off

           Pump_ECD_Relay_1.Open
           Concentration =                    10.00
           Curve =                            5

           Pump_ECD_Relay_1.State             Open
           Mode =                             Off
           Flow =                             1.00

 0.000     off

           End
```

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Title: Stop
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ
Timebase: ICS-8
Created: 3/11/2008 4:10:47 PM by Test America Labs
Changed: 3/11/2008 4:10:47 PM by Test America Labs

No.	Channel	Operation	Parameters

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Blank Run Subtraction: No Blank Run Subtraction

Detection Table:

No.	Ret. Time [min]	Param. Name	Param. Value	Channel
1	0.000	Minimum Area	0.5E-3 "[Signal]*min"	All Channels
2	0.000	Sensitivity	0.8E-3 "[Signal]"	All Channels
3	0.000	Inhibit Integration	On	All Channels
4	0.000	Valley to Valley	On	All Channels
5	0.000	Fronting Sensitivity Factor	5.0	All Channels
6	0.000	Tailing Sensitivity Factor	6.0	All Channels
7	1.500	Void Volume Treatment	On	All Channels
8	1.500	Inhibit Integration	Off	All Channels
9	1.800	Void Volume Treatment	Off	All Channels
10	2.000	Maximum Width	0.75 min	All Channels
11	8.200	Inhibit Integration	On	All Channels
12	11.000	Inhibit Integration	Off	All Channels

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Group	Comment	Amount BLK	Amount cal1
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*		*Autogenerated*	*0.000000*	*0.200000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Amount cal2	Amount cal3	Amount cal4	Amount cal5	Amount cal6
1	*Fluoride*	*1.900 min*	*0.500000*	*1.000000*	*4.000000*	*8.000000*	*10.000000*
2	Acetate	2.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
3	Chloride	3.300 min	2.500000	5.000000	20.000000	40.000000	50.000000
4	Nitrite	3.800 min	0.500000	1.000000	4.000000	8.000000	10.000000
5	Bromide	6.300 min	0.500000	1.000000	4.000000	8.000000	10.000000
6	Nitrate	7.000 min	0.500000	1.000000	4.000000	8.000000	10.000000
7	Sulfate	11.400 min	2.500000	5.000000	20.000000	40.000000	50.000000
8	Ortho as P	12.600 min	0.500000	1.000000	4.000000	8.000000	10.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Left Limit	Right Limit	Group	Resp.Fact.
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*	*0.000*	*0.000*		*1.000000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Comment
1	*Fluoride*	*1.900 min*	*Autogenerated*
2	Acetate	2.700 min	Autogenerated
3	Chloride	3.300 min	Autogenerated
4	Nitrite	3.800 min	Autogenerated
5	Bromide	6.300 min	Autogenerated
6	Nitrate	7.000 min	Autogenerated
7	Sulfate	11.400 min	Autogenerated
8	Ortho as P	12.600 min	Autogenerated

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Smp.No.	Pos.	Inj. Vol.	Weight	ISTD Amount	Dil. Factor	Inj. Date/Time	Sample Comment
1	☒	cal1	2	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:31:	EMK
2	☒	cal2	3	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:47:	EMK
3	☒	cal3	4	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:04:	EMK
4	☒	cal4	5	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:21:	EMK
5	☒	cal5	6	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:38:	EMK
6	☒	cal6	7	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:55:	EMK

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Calib.	Comment
1	☒	cal1	Ok	
2	☒	cal2	Ok	
3	☒	cal3	Ok	
4	☒	cal4	Ok	
5	☒	cal5	Ok	
6	☒	cal6	Ok	

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Sample Condition	Test Condition	Aggregate	Operator	Value	Channel	Peak	N.A.
1									

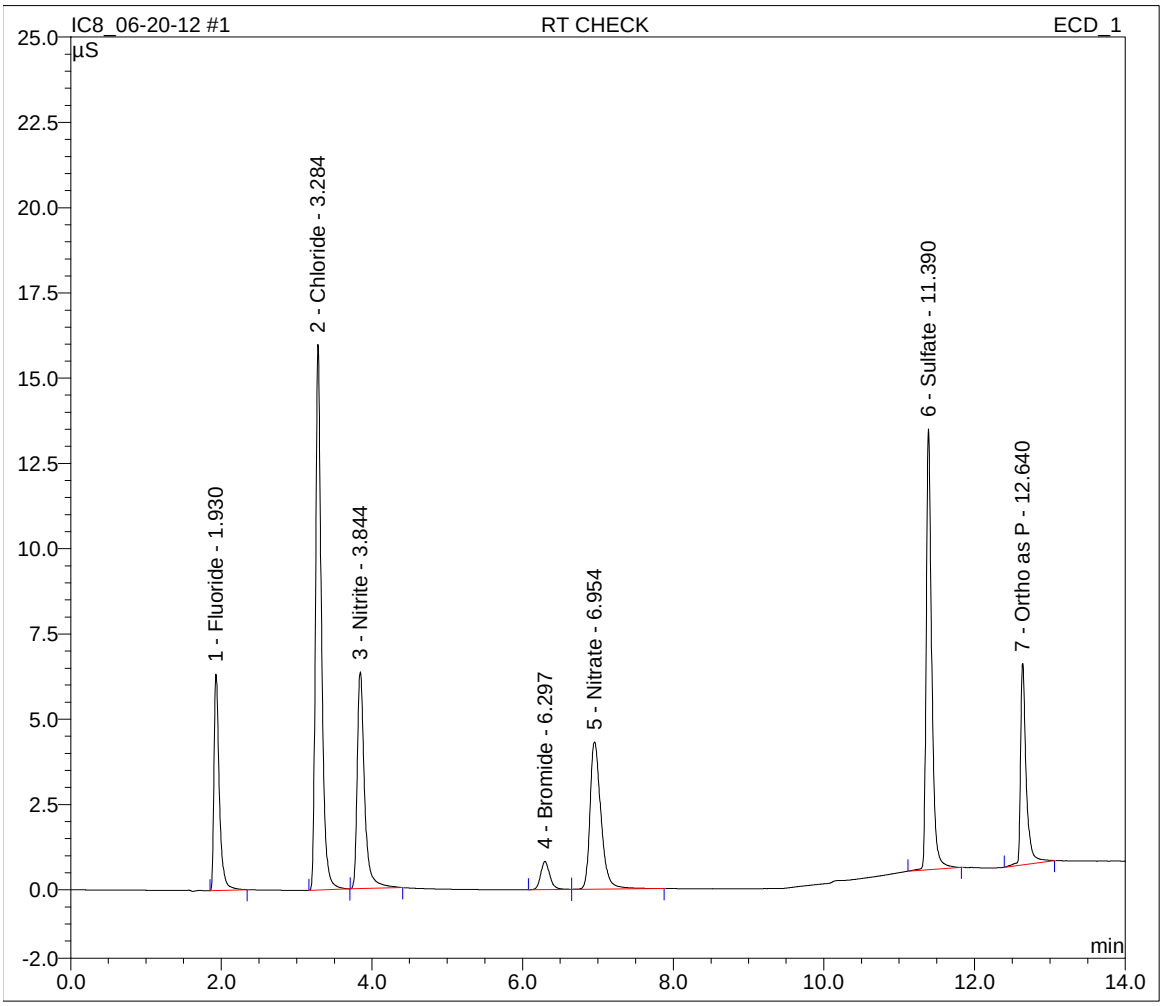
Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-20-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Fail-Action	Result	SST Message	Rounding
1					

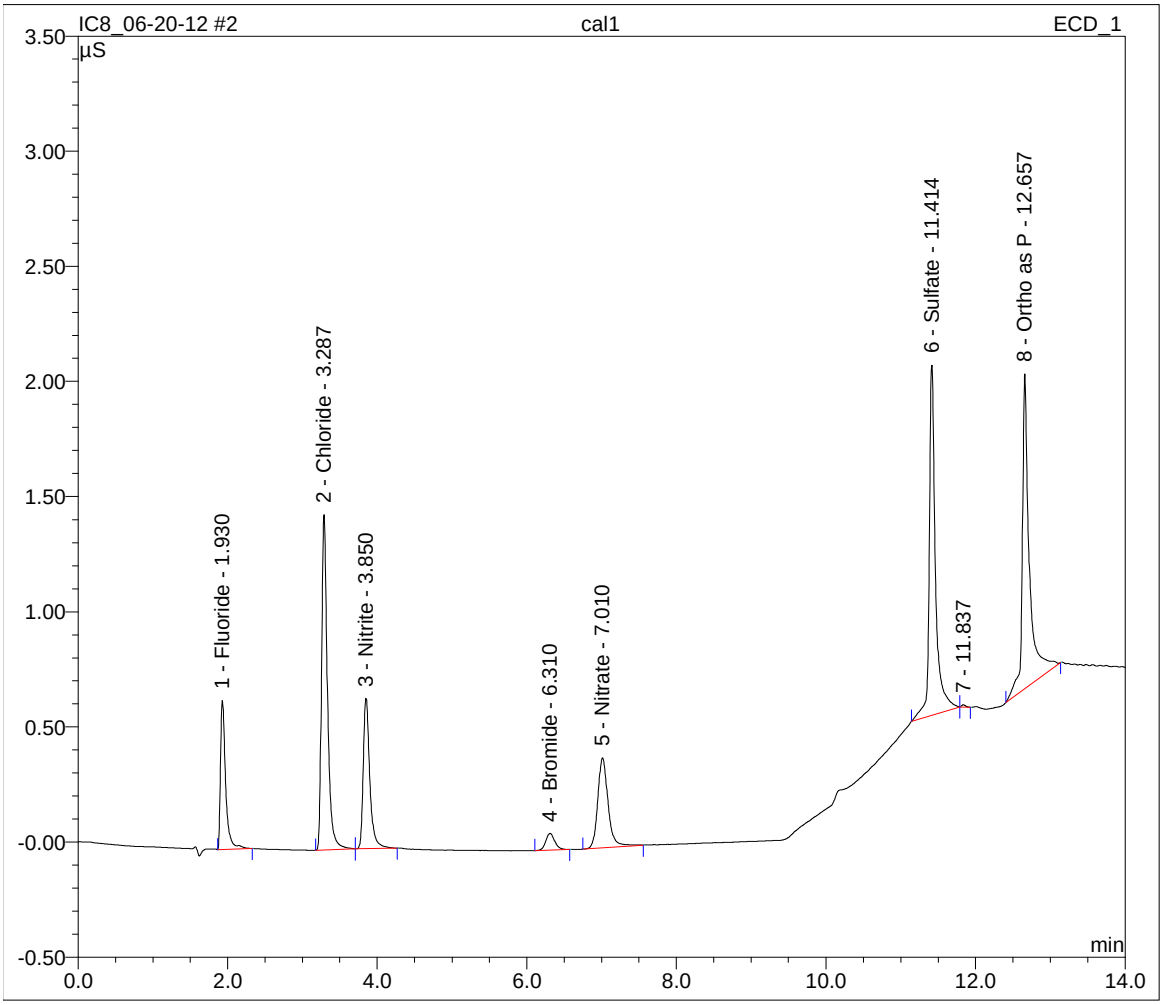
Sample Name:	**RT CHECK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.351	2.1852
2	3.28	Chloride	BMB	1.472	15.998	10.8467
3	3.84	Nitrite	BMB	0.714	6.365	1.9734
4	6.30	Bromide	BMB	0.115	0.825	2.0316
5	6.95	Nitrate	bMB	0.726	4.315	2.1359
6	11.39	Sulfate	BMB	1.098	12.924	10.0120
7	12.64	Ortho as P	BMB	0.504	5.904	2.0466
		TOTAL:		5.14	52.68	31.23



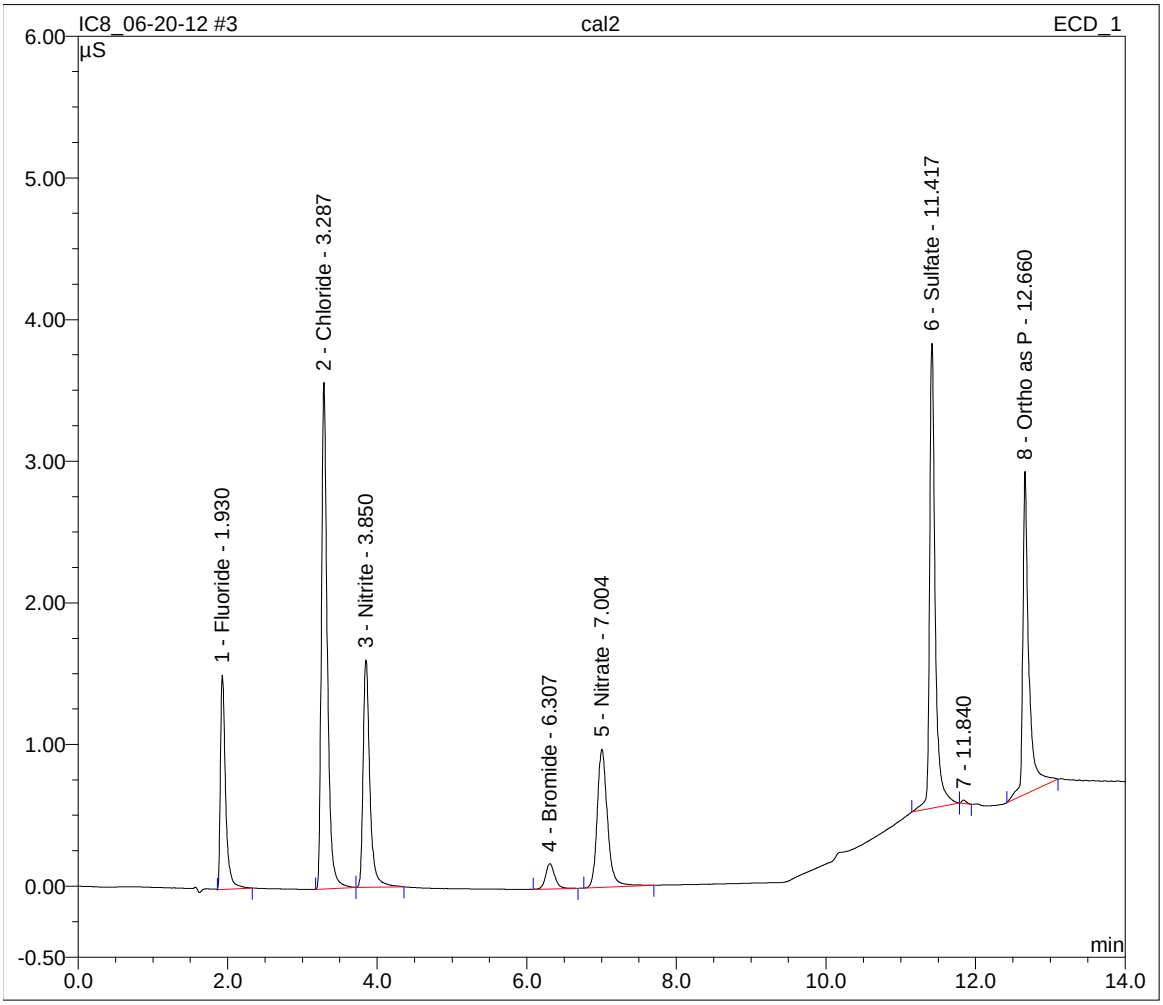
Sample Name:	**cal1**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:31**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.051	0.646	0.1970
2	3.29	Chloride	BMb	0.133	1.457	1.0400
3	3.85	Nitrite	bMB	0.066	0.652	0.2124
4	6.31	Bromide	BMB	0.010	0.073	0.2222
5	7.01	Nitrate	BMB	0.062	0.391	0.2154
6	11.41	Sulfate	BMb	0.146	1.521	1.0815
8	12.66	Ortho as P	BMB	0.151	1.367	0.1743
		TOTAL:		0.62	6.11	3.14



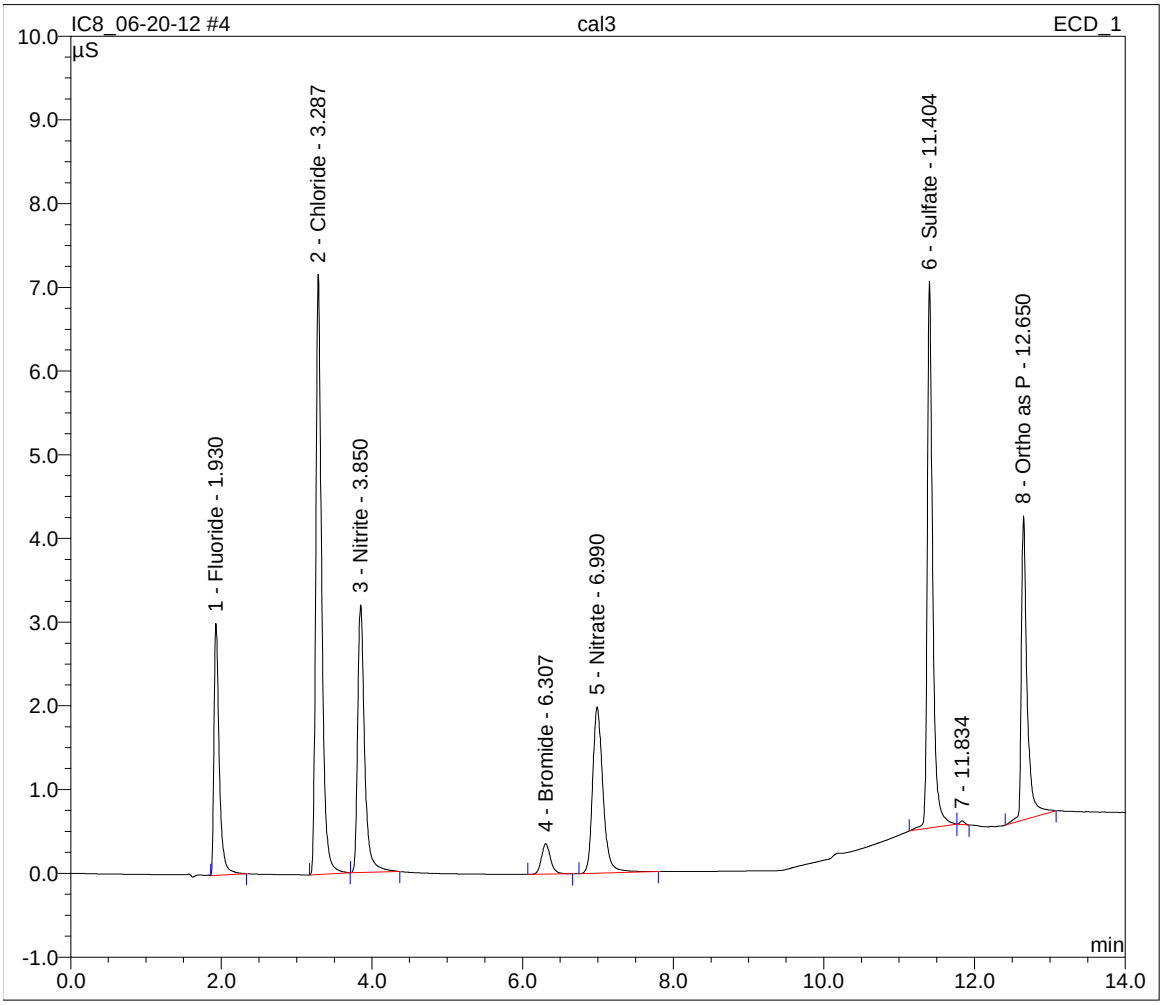
Sample Name:	**cal2**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.120	1.512	0.4922
2	3.29	Chloride	BMB	0.327	3.574	2.4601
3	3.85	Nitrite	BMB	0.167	1.604	0.4861
4	6.31	Bromide	BMB	0.025	0.178	0.4845
5	7.00	Nitrate	BMB	0.155	0.975	0.4831
6	11.42	Sulfate	BMb	0.284	3.282	2.3745
8	12.66	Ortho as P	BMB	0.216	2.278	0.5210
		TOTAL:		1.29	13.40	7.30



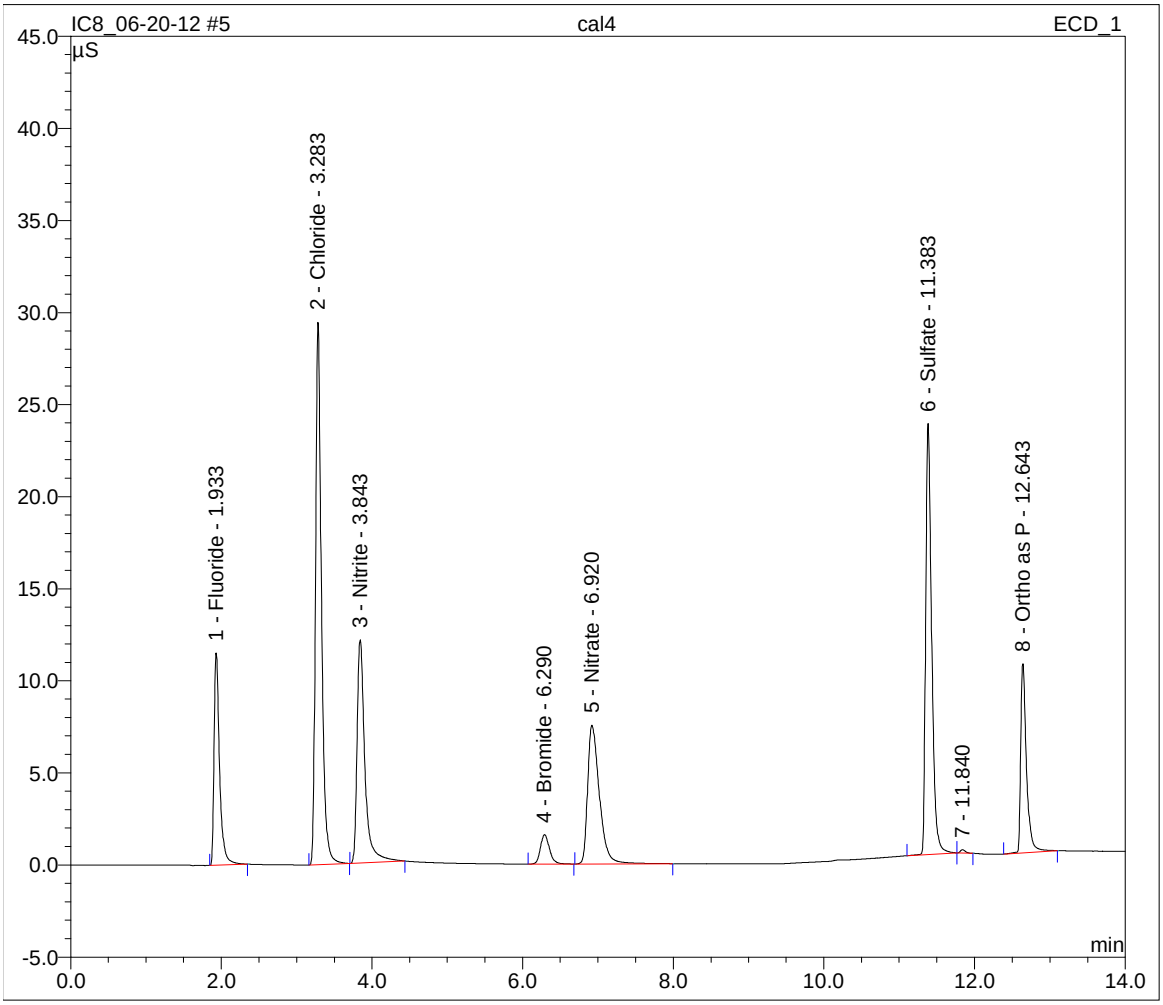
Sample Name:	**cal3**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.241	3.009	1.0119
2	3.29	Chloride	BMB	0.657	7.169	4.8803
3	3.85	Nitrite	BMB	0.341	3.199	0.9611
4	6.31	Bromide	BMB	0.051	0.365	0.9278
5	6.99	Nitrate	BMB	0.319	1.985	0.9575
6	11.40	Sulfate	BMb	0.545	6.532	4.8185
8	12.65	Ortho as P	BMB	0.320	3.633	1.0722
		TOTAL:		2.47	25.89	14.63



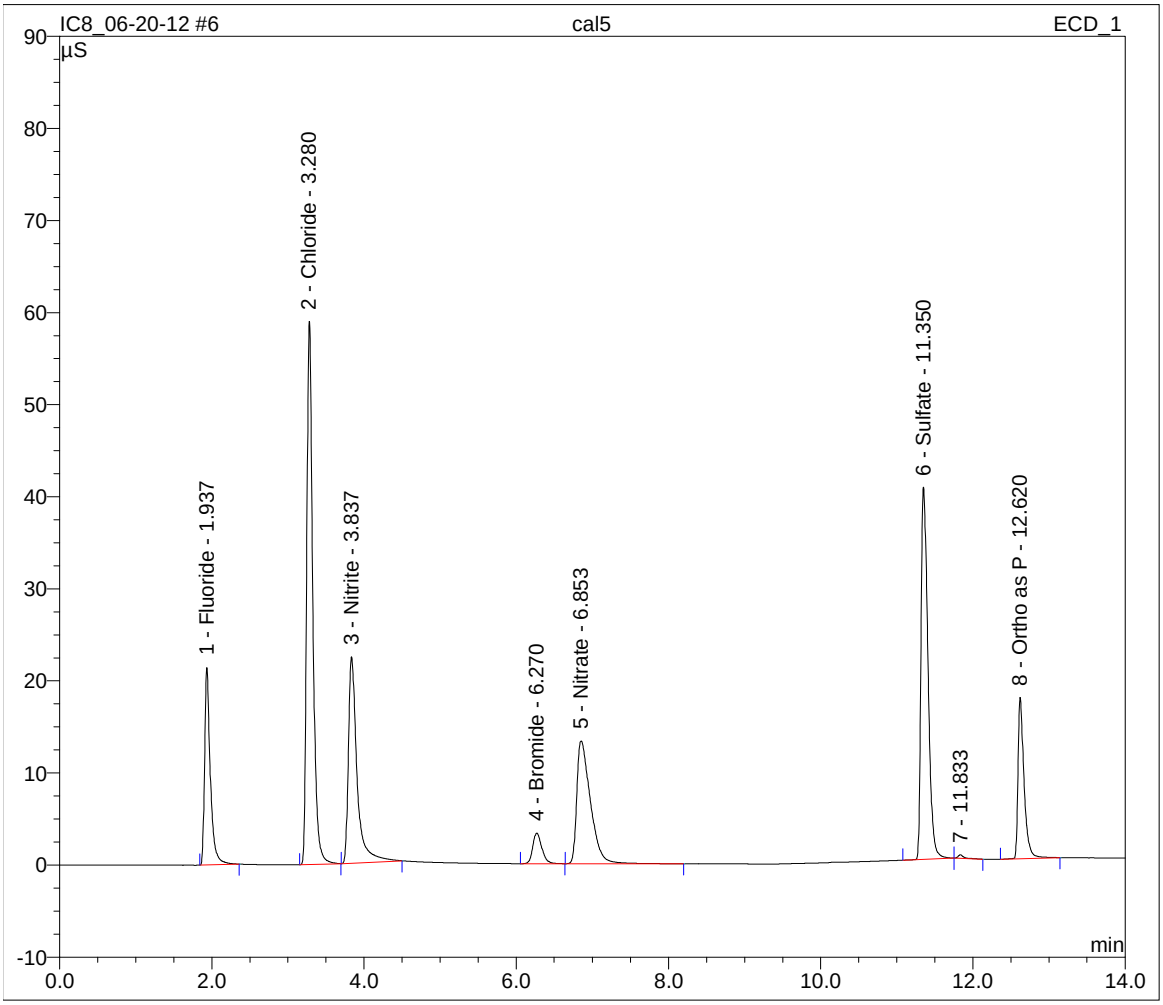
Sample Name:	**cal4**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.966	11.542	4.1247
2	3.28	Chloride	BMB	2.709	29.464	19.9102
3	3.84	Nitrite	BMB	1.456	12.120	3.9932
4	6.29	Bromide	BMB	0.223	1.604	3.8991
5	6.92	Nitrate	BMB	1.357	7.526	3.9629
6	11.38	Sulfate	BMb	2.162	23.410	20.0013
8	12.64	Ortho as P	BMB	0.901	10.280	4.1462
TOTAL:				9.77	95.95	60.04



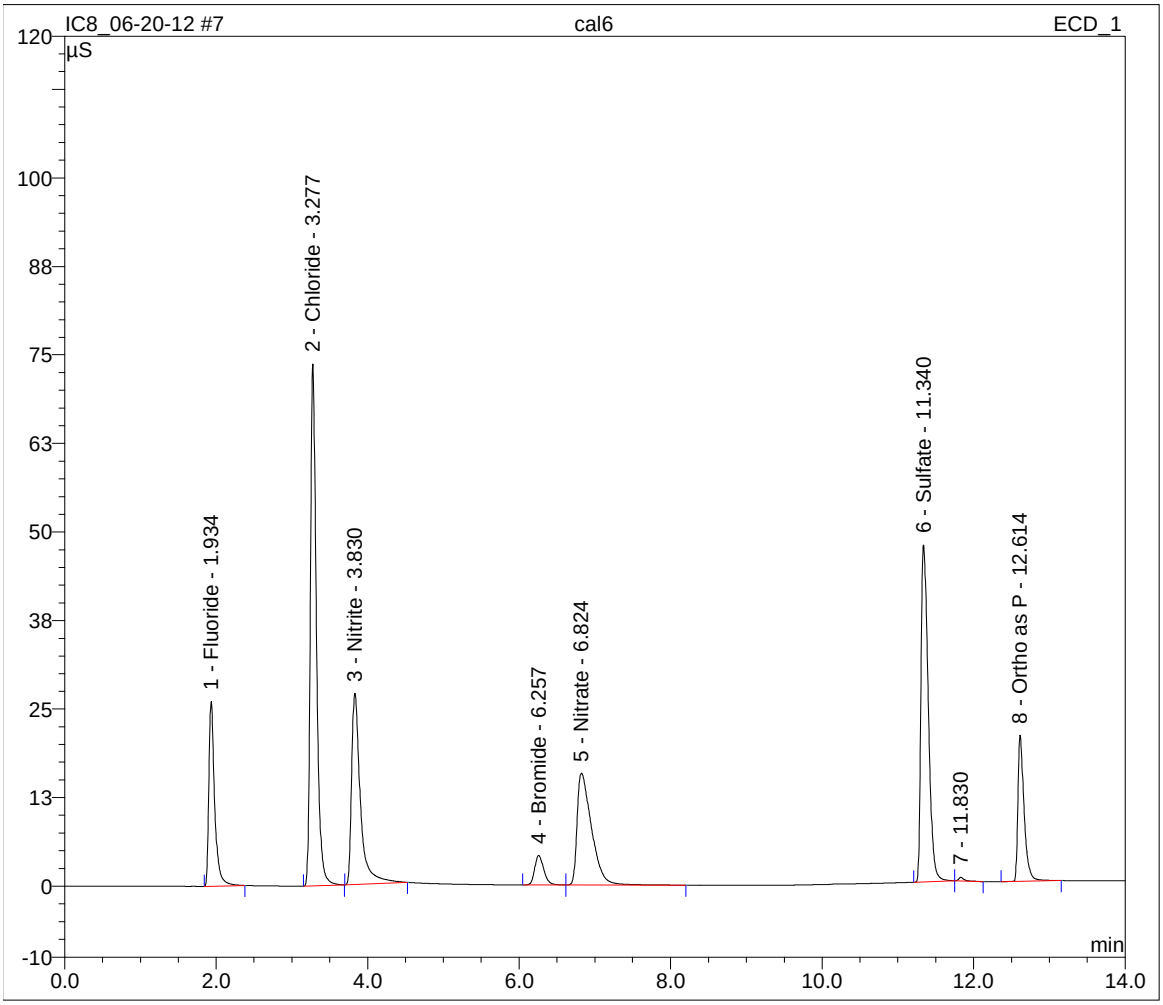
Sample Name:	**cal5**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	1.868	21.466	8.0002
2	3.28	Chloride	BMB	5.457	59.008	40.0443
3	3.84	Nitrite	BMB	2.954	22.426	8.0660
4	6.27	Bromide	BMB	0.462	3.324	8.0345
5	6.85	Nitrate	BMB	2.759	13.322	8.0199
6	11.35	Sulfate	BMb	4.302	40.425	40.0890
8	12.62	Ortho as P	BMB	1.622	17.507	7.9642
		TOTAL:		19.42	177.48	120.22



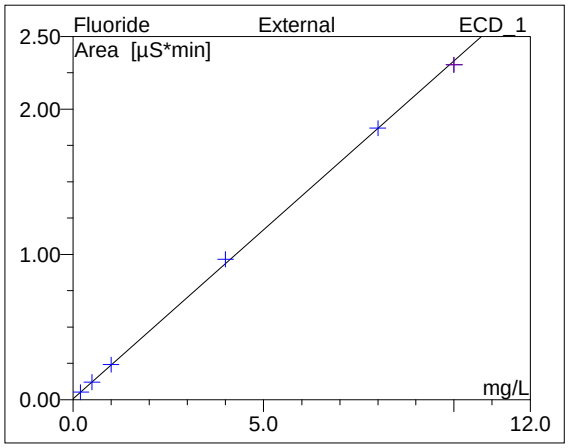
Sample Name:	**cal6**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:55**	*Run Time:*	**14.00**

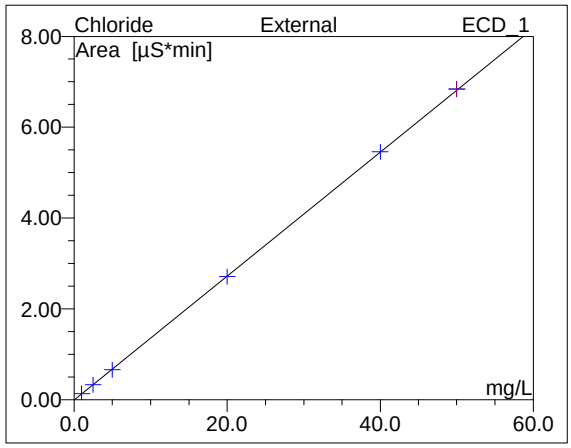
No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	2.304	26.065	9.8741
2	3.28	Chloride	BMB	6.838	73.679	50.1651
3	3.83	Nitrite	BMB	3.658	26.975	9.9812
4	6.26	Bromide	BMB	0.583	4.171	10.1319
5	6.82	Nitrate	BMB	3.465	15.767	10.0612
6	11.34	Sulfate	BMb	5.373	47.566	50.1352
8	12.61	Ortho as P	BMB	1.973	20.624	9.8221
		TOTAL:		24.19	214.85	150.17

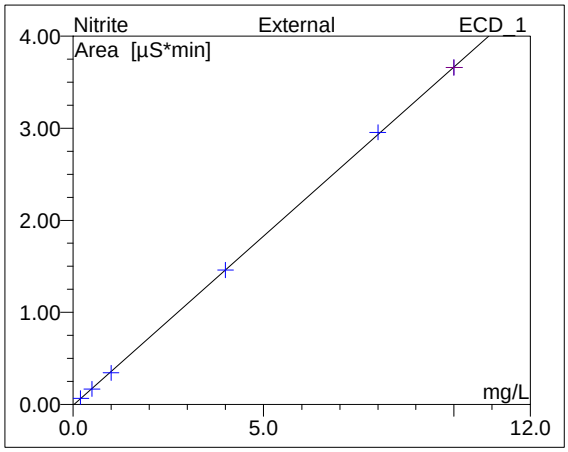


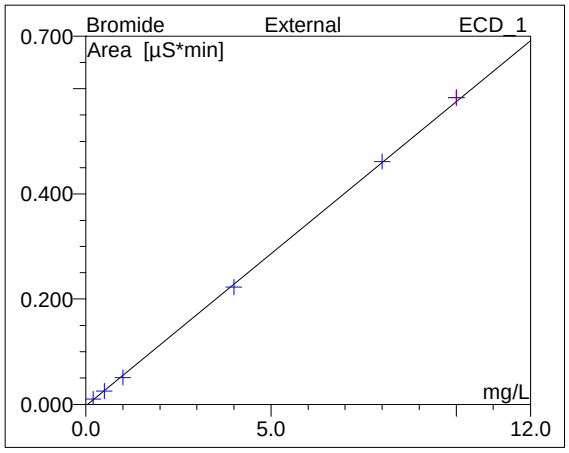
Calibration Batch Report

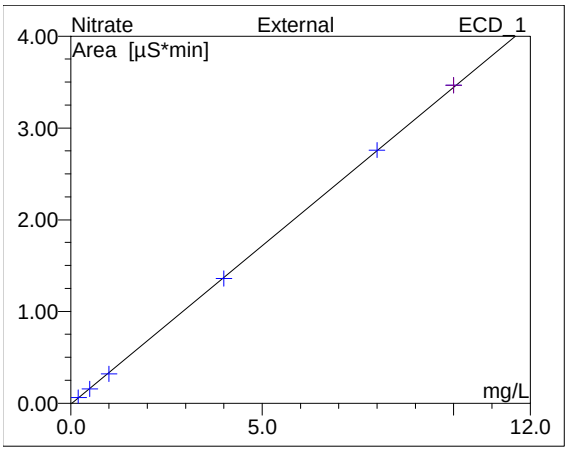
Sequence:	**IC8_06-20-12**	Inj. Vol.:	**10.0**
Program:	**7 Anion**	Operator:	**DENPC241**
Inj. Date/Time:	**06/18/12 14:55**	Run Time:	**14.00**

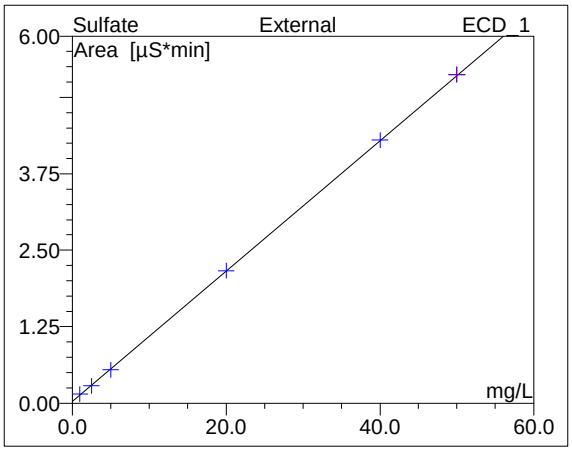




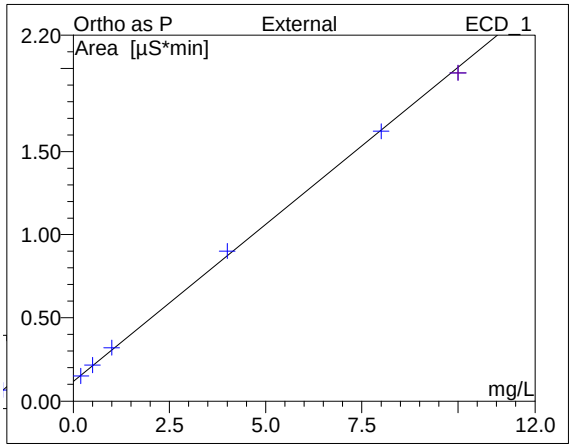








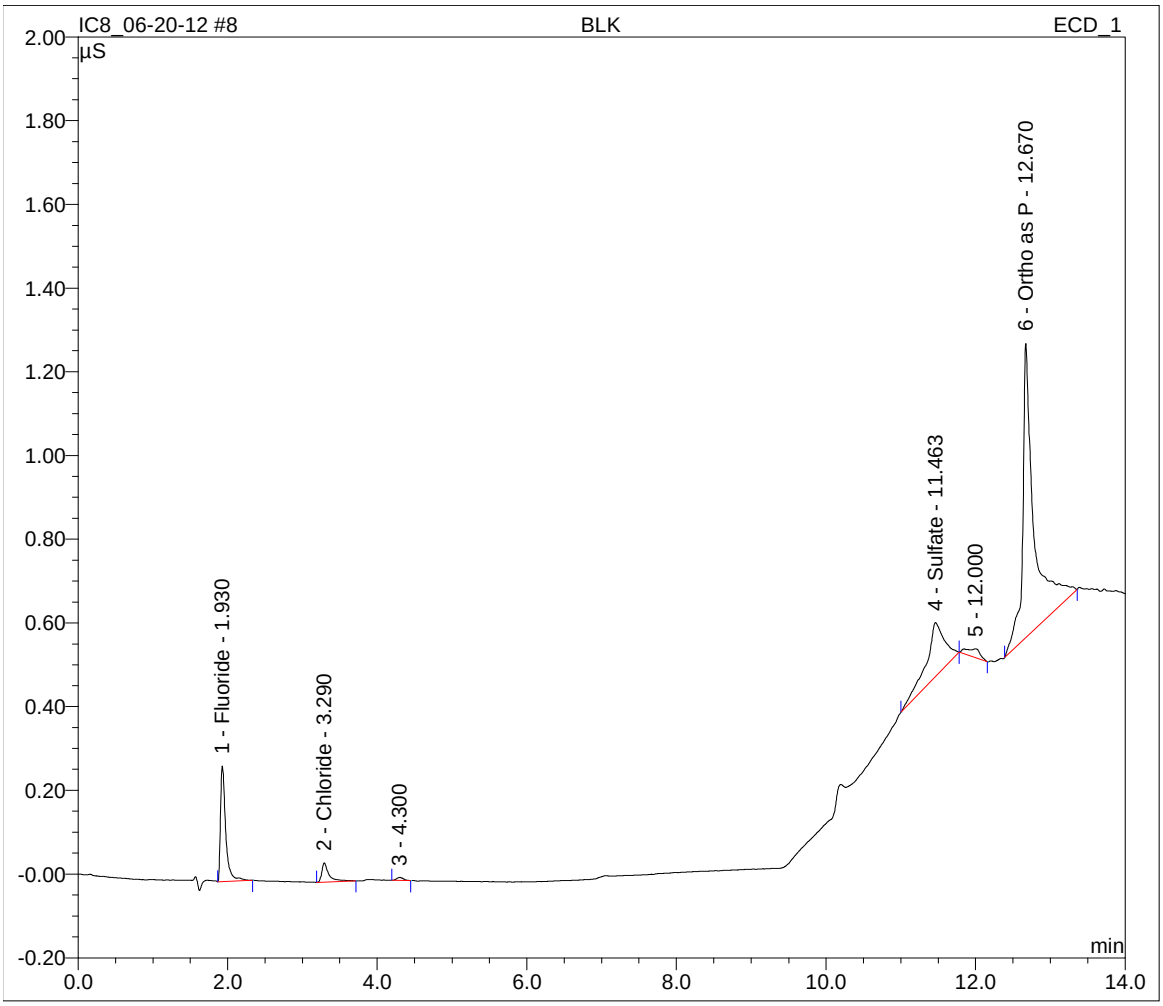
Program:	**7 Anion**	*Operator:*	**n.a.**
Ini. Date/Time:	**06/18/12 14:55**	*Run Time:*	**14.00**



No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
1	1.93	Fluoride	XLOff	6	0.005	0.233	0.000	99.985
2	3.28	Chloride	XLOff	6	-0.009	0.136	0.000	99.997
3	3.83	Nitrite	XLOff	6	-0.012	0.368	0.000	99.992
4	6.26	Bromide	XLOff	6	-0.003	0.058	0.000	99.968
5	6.82	Nitrate	XLOff	6	-0.012	0.346	0.000	99.989
6	11.34	Sulfate	XLOff	6	0.031	0.107	0.000	99.990
8	12.61	Ortho as P	XLOff	6	0.118	0.189	0.000	99.954
AVERAGE:					0.0169	0.2051	0.0000	99.9819

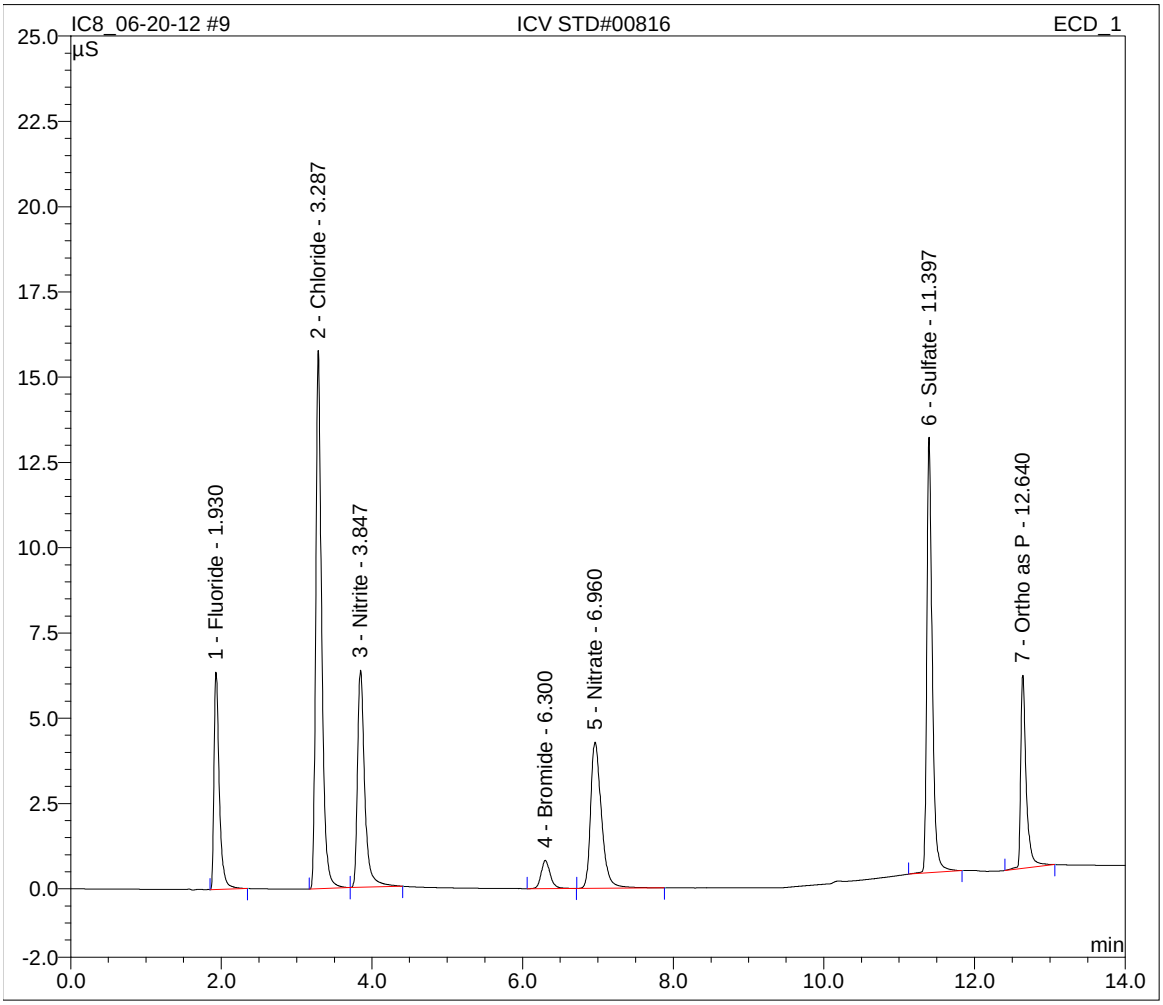
Sample Name:	**BLK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.022	0.276	0.0725
2	3.29	Chloride	BMB	0.005	0.046	0.1031
4	11.46	Sulfate	BMb	0.036	0.129	0.0502
6	12.67	Ortho as P	BMB	0.125	0.703	0.0382
		TOTAL:		0.19	1.15	0.26



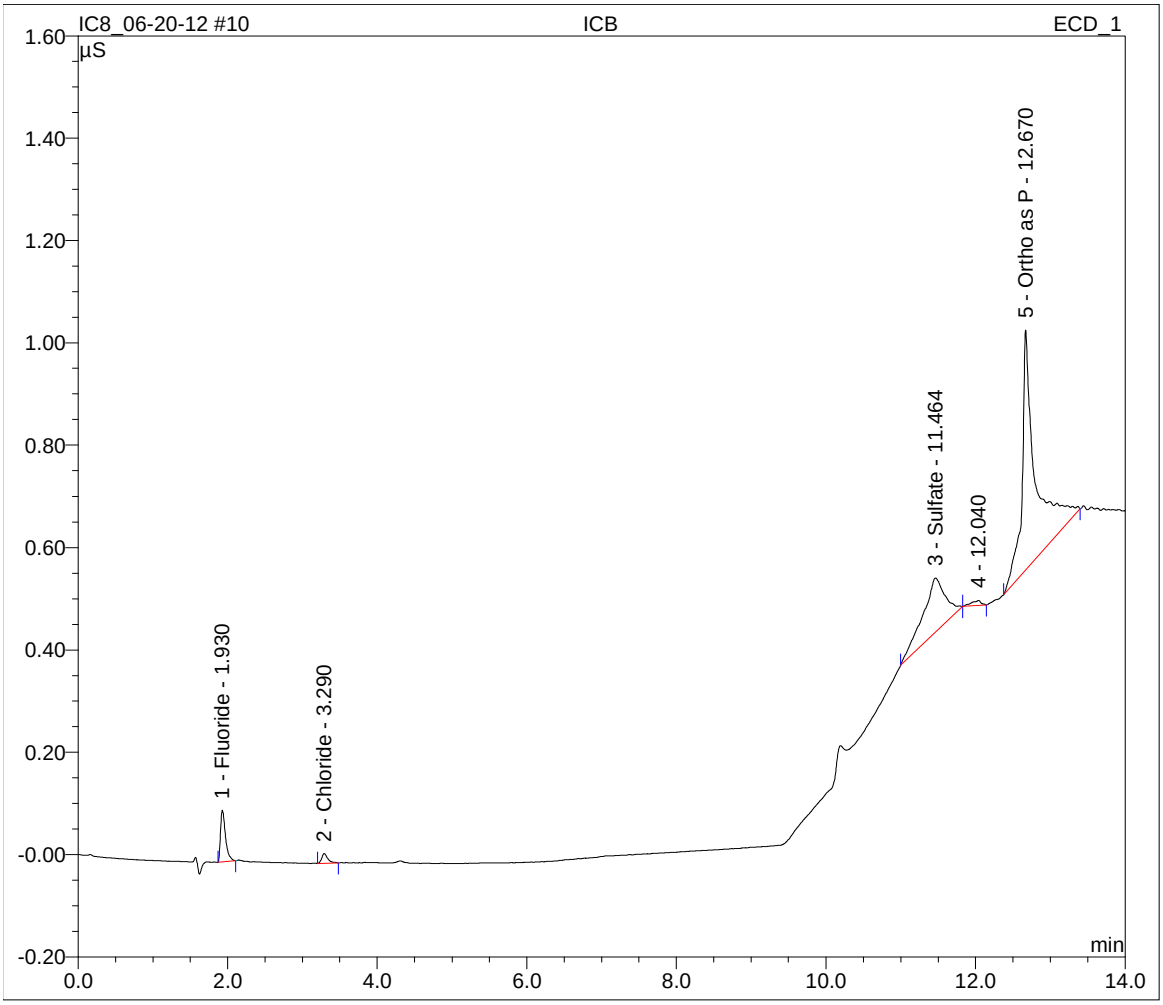
Sample Name:	**ICV STD#00816**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.382	2.1868
2	3.29	Chloride	BMB	1.448	15.777	10.6712
3	3.85	Nitrite	BMB	0.706	6.368	1.9529
4	6.30	Bromide	BMB	0.115	0.825	2.0290
5	6.96	Nitrate	BMB	0.713	4.281	2.0989
6	11.40	Sulfate	BMB	1.070	12.766	9.7526
7	12.64	Ortho as P	BMB	0.474	5.668	1.8875
TOTAL:				5.04	52.07	30.58



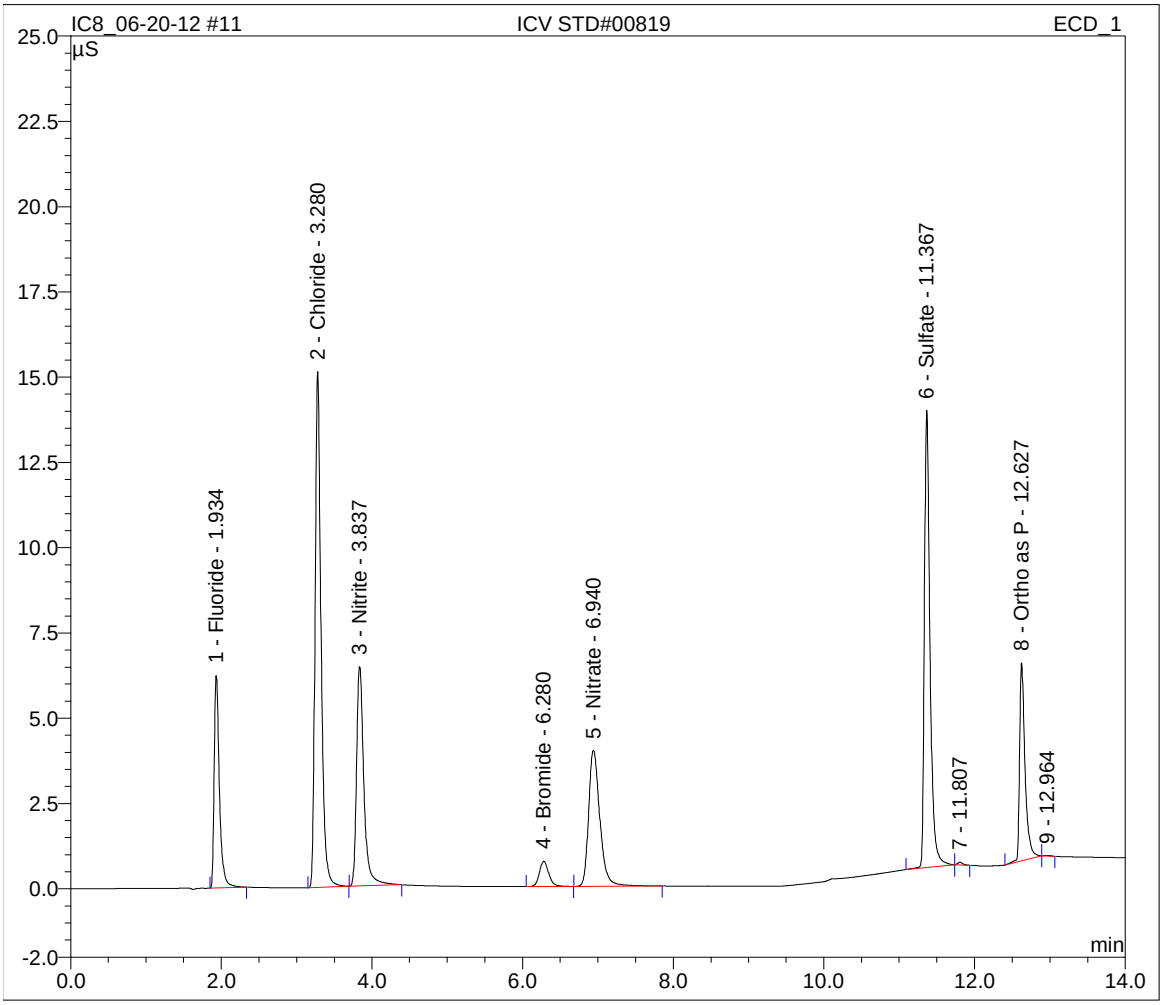
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.008	0.101	0.0103
2	3.29	Chloride	BMB	0.002	0.019	0.0781
3	11.46	Sulfate	BMb	0.037	0.106	0.0582
5	12.67	Ortho as P	BMB	0.100	0.469	-0.0954
		TOTAL:		0.15	0.69	0.05



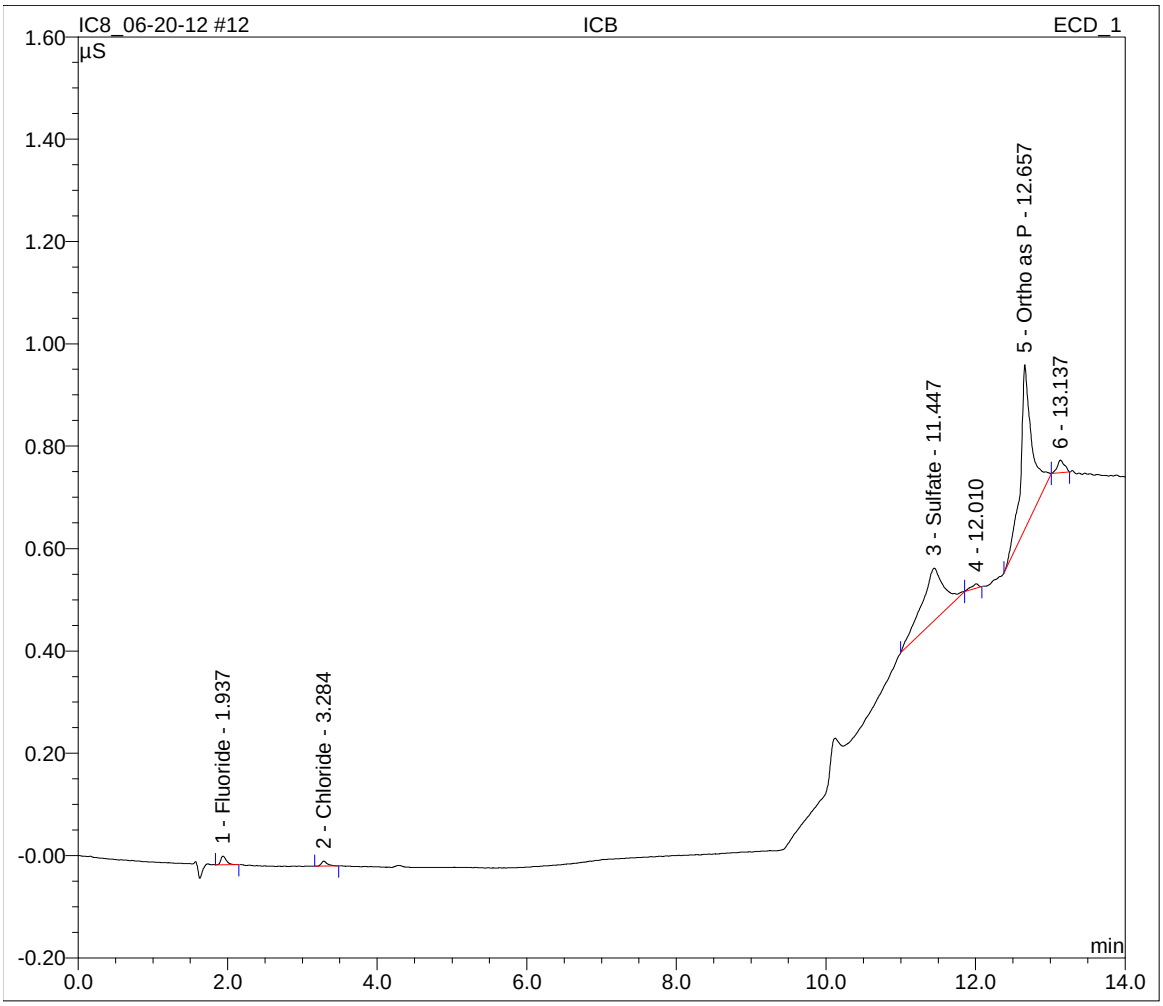
Sample Name:	**ICV STD#00819**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 09:44**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.496	6.237	2.1085
2	3.28	Chloride	BMB	1.399	15.123	10.3176
3	3.84	Nitrite	BMB	0.723	6.437	1.9992
4	6.28	Bromide	BMB	0.108	0.741	1.9077
5	6.94	Nitrate	BMB	0.688	3.982	2.0241
6	11.37	Sulfate	BMb	1.161	13.404	10.6058
8	12.63	Ortho as P	BMb	0.481	5.811	1.9227
		TOTAL:		5.06	51.74	30.89



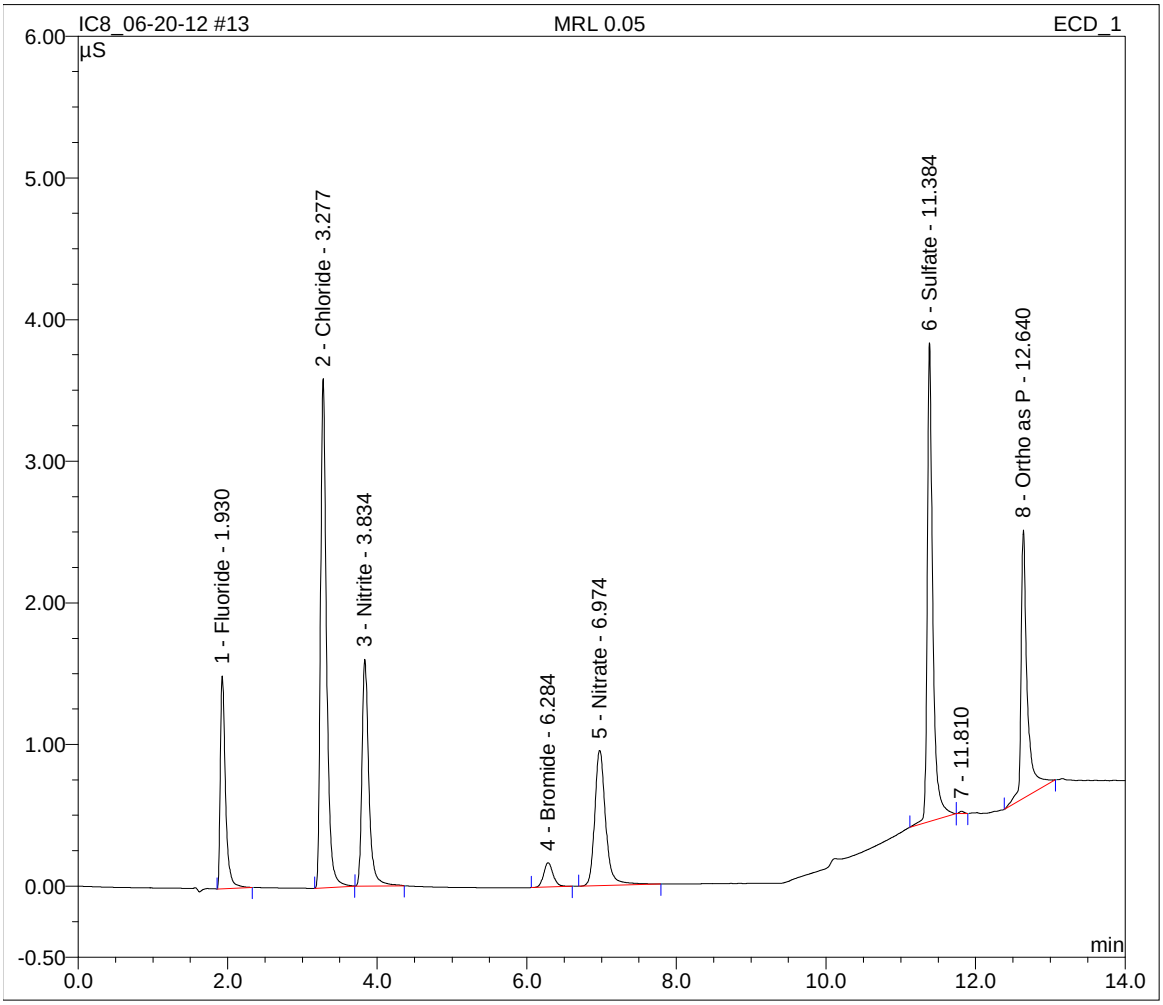
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 10:00**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	0.001	0.017	-0.0166
2	3.28	Chloride	BMB	0.001	0.010	0.0723
3	11.45	Sulfate	BMB	0.036	0.102	0.0421
5	12.66	Ortho as P	BMB	0.056	0.321	-0.3273
TOTAL:				0.09	0.45	-0.23



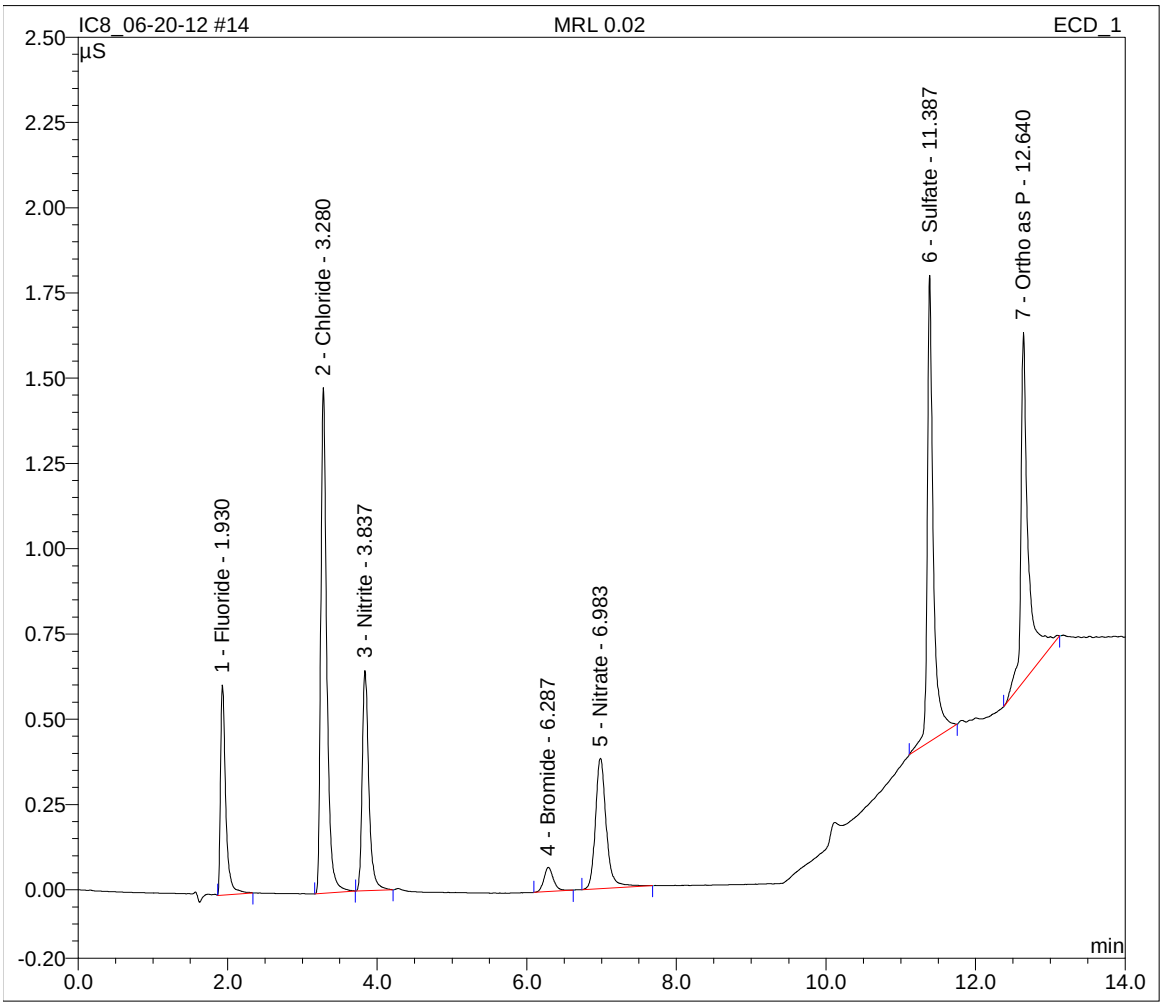
Sample Name:	**MRL 0.05**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 10:17**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.120	1.503	0.4917
2	3.28	Chloride	BMB	0.335	3.592	2.5220
3	3.83	Nitrite	BMB	0.170	1.600	0.4944
4	6.28	Bromide	BMB	0.025	0.172	0.4820
5	6.97	Nitrate	BMB	0.161	0.954	0.5011
6	11.38	Sulfate	BMB	0.290	3.382	2.4260
8	12.64	Ortho as P	BMB	0.181	1.894	0.3359
		TOTAL:		1.28	13.10	7.25



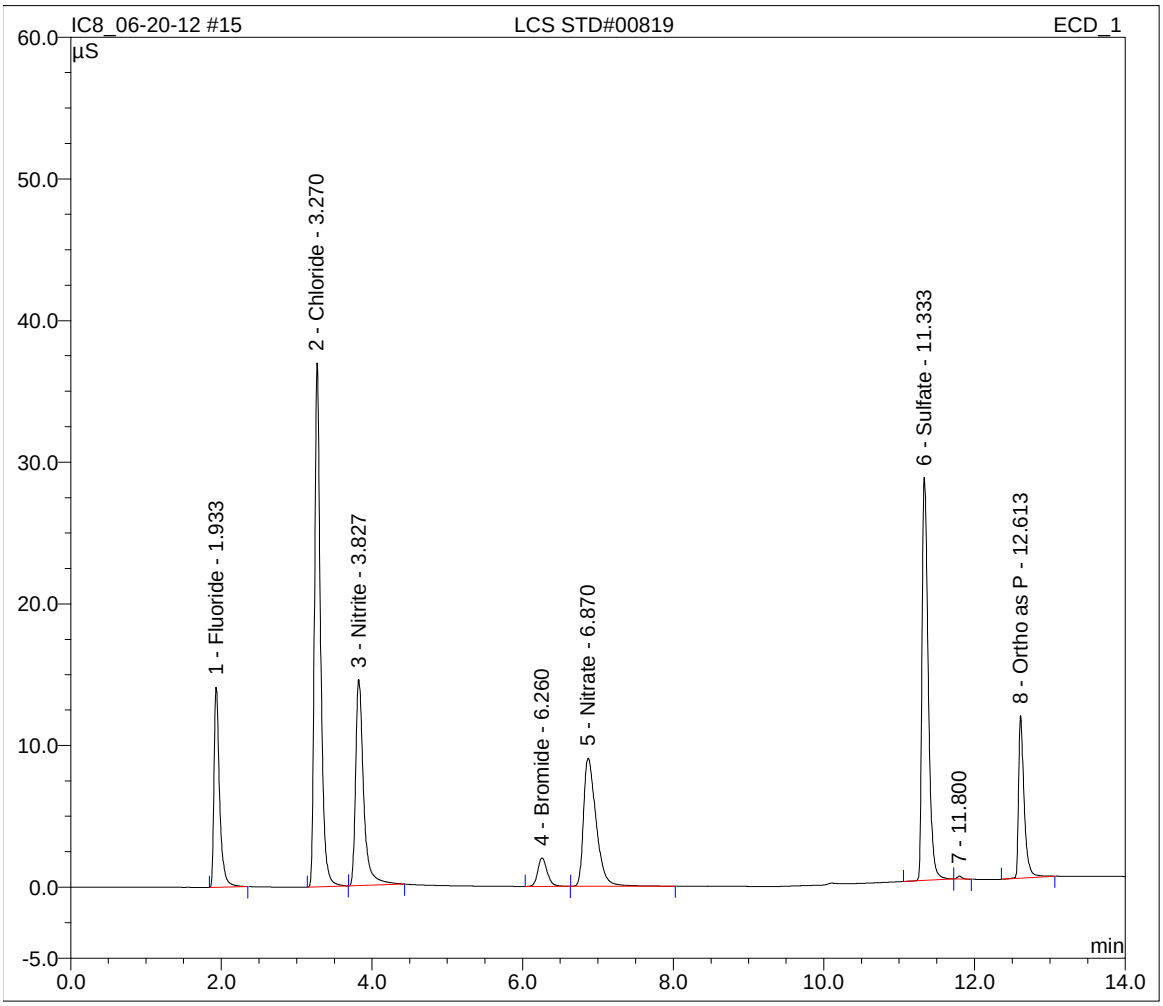
Sample Name:	**MRL 0.02**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 10:34**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.049	0.615	0.1885
2	3.28	Chloride	BMB	0.138	1.482	1.0778
3	3.84	Nitrite	BMB	0.066	0.646	0.2132
4	6.29	Bromide	BMB	0.010	0.071	0.2283
5	6.98	Nitrate	BMB	0.064	0.381	0.2200
6	11.39	Sulfate	BMB	0.127	1.369	0.8988
7	12.64	Ortho as P	BMB	0.118	1.023	-0.0005
		TOTAL:		0.57	5.59	2.83



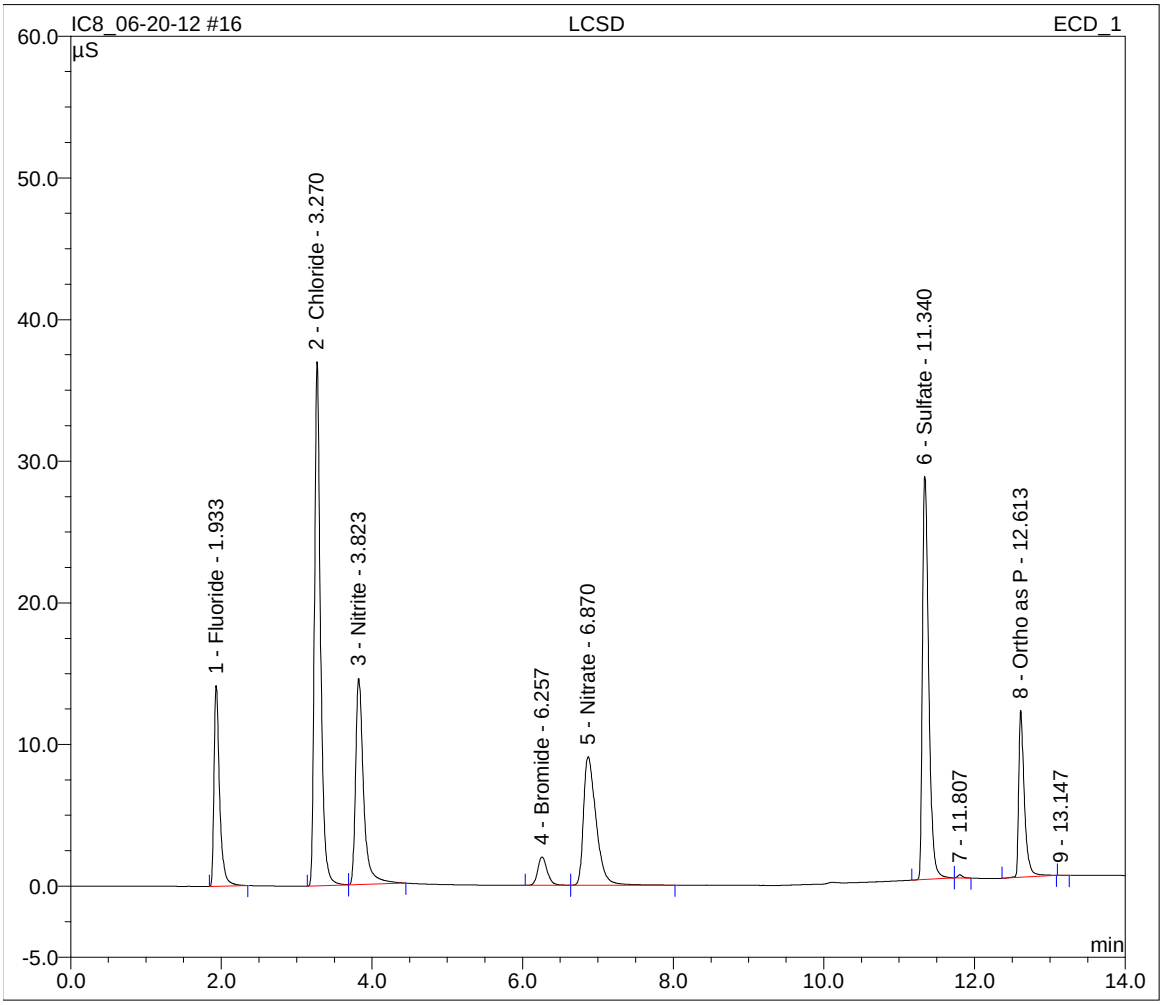
Sample Name:	**LCS STD#00819**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 10:51**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.198	14.124	5.1223
2	3.27	Chloride	BMB	3.468	36.983	25.4726
3	3.83	Nitrite	BMB	1.786	14.553	4.8891
4	6.26	Bromide	BMB	0.289	1.997	5.0435
5	6.87	Nitrate	BMB	1.747	9.040	5.0900
6	11.33	Sulfate	BMB	2.755	28.449	25.5636
8	12.61	Ortho as P	BMB	0.983	11.468	4.5810
		TOTAL:		12.23	116.61	75.76



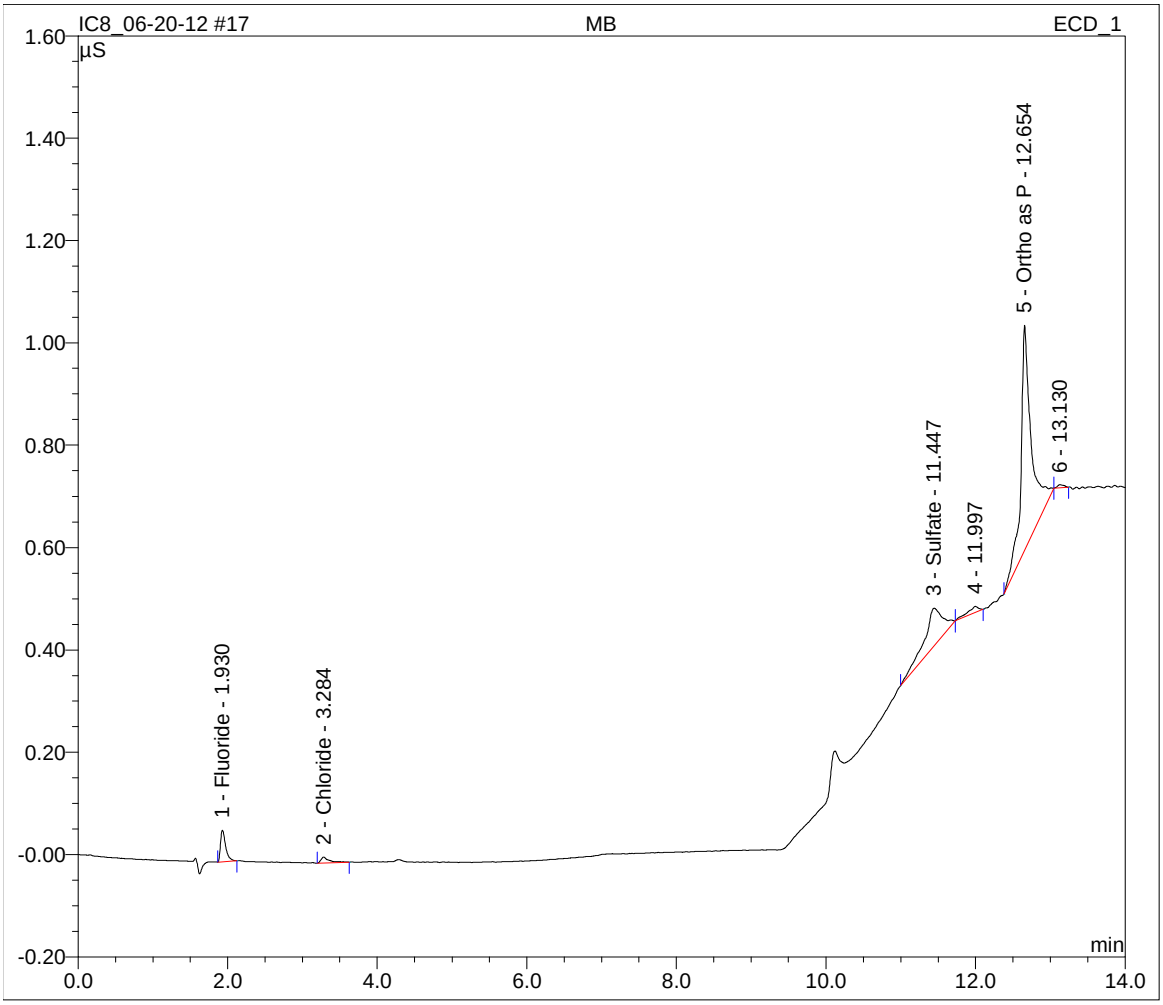
Sample Name:	**LCSD**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 11:08**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.204	14.157	5.1463
2	3.27	Chloride	BMB	3.470	36.995	25.4842
3	3.82	Nitrite	bMB	1.786	14.550	4.8885
4	6.26	Bromide	BMB	0.289	2.001	5.0519
5	6.87	Nitrate	BMB	1.750	9.061	5.0993
6	11.34	Sulfate	BMB	2.765	28.451	25.6565
8	12.61	Ortho as P	BMB	1.026	11.767	4.8074
		TOTAL:		12.29	116.98	76.13



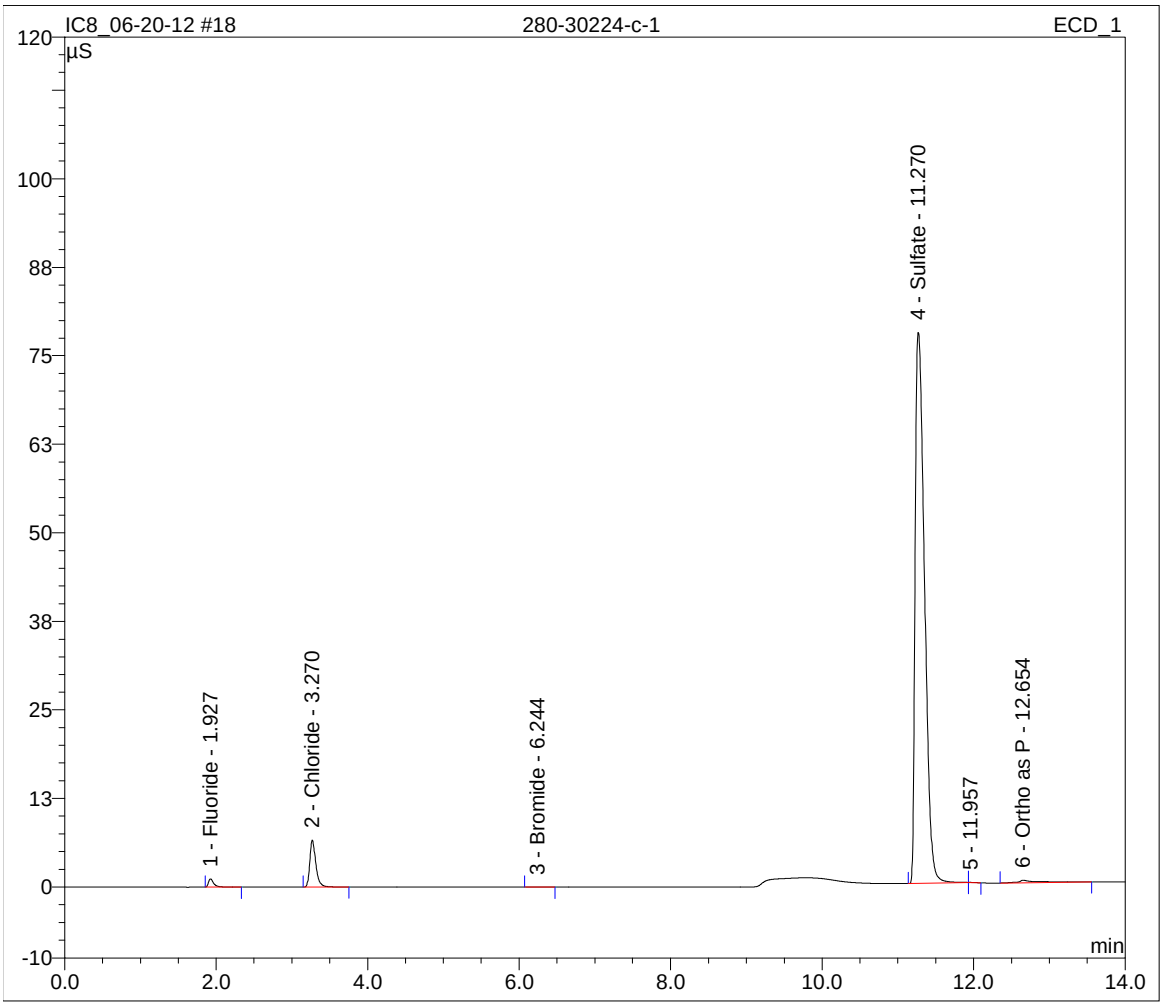
Sample Name:	**MB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 11:24**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.005	0.062	-0.0018
2	3.28	Chloride	BMB	0.002	0.012	0.0765
3	11.45	Sulfate	BMB	0.021	0.074	-0.0940
5	12.65	Ortho as P	BMB	0.070	0.440	-0.2517
TOTAL:				0.10	0.59	-0.27



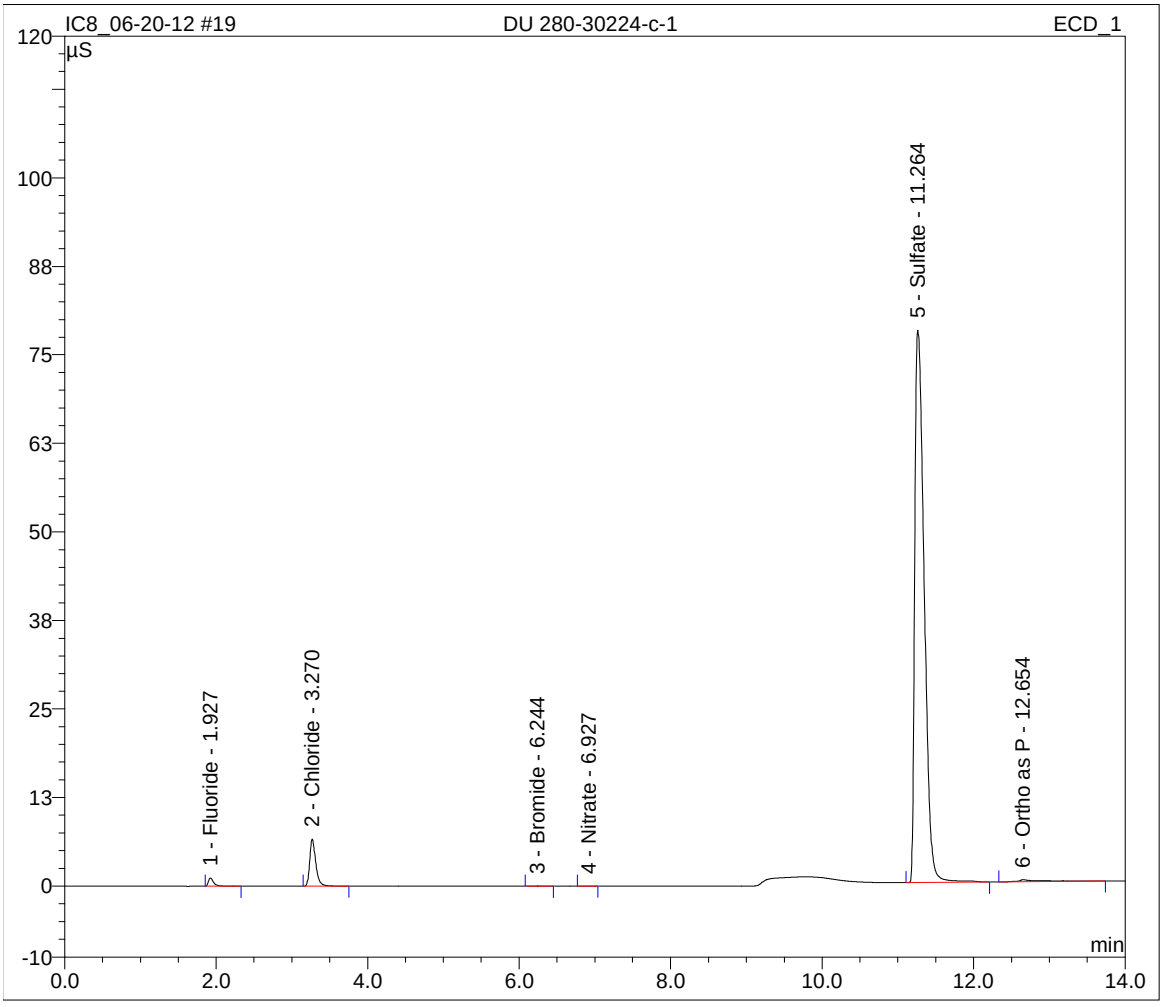
Sample Name:	**280-30224-c-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 11:41**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.094	1.159	0.3811
2	3.27	Chloride	BMB	0.617	6.635	4.5876
3	6.24	Bromide	BMB	0.004	0.030	0.1202
4	11.27	Sulfate	BMb	11.199	77.821	104.8160
6	12.65	Ortho as P	BMB	0.103	0.362	-0.0775
		TOTAL:		12.02	86.01	109.83



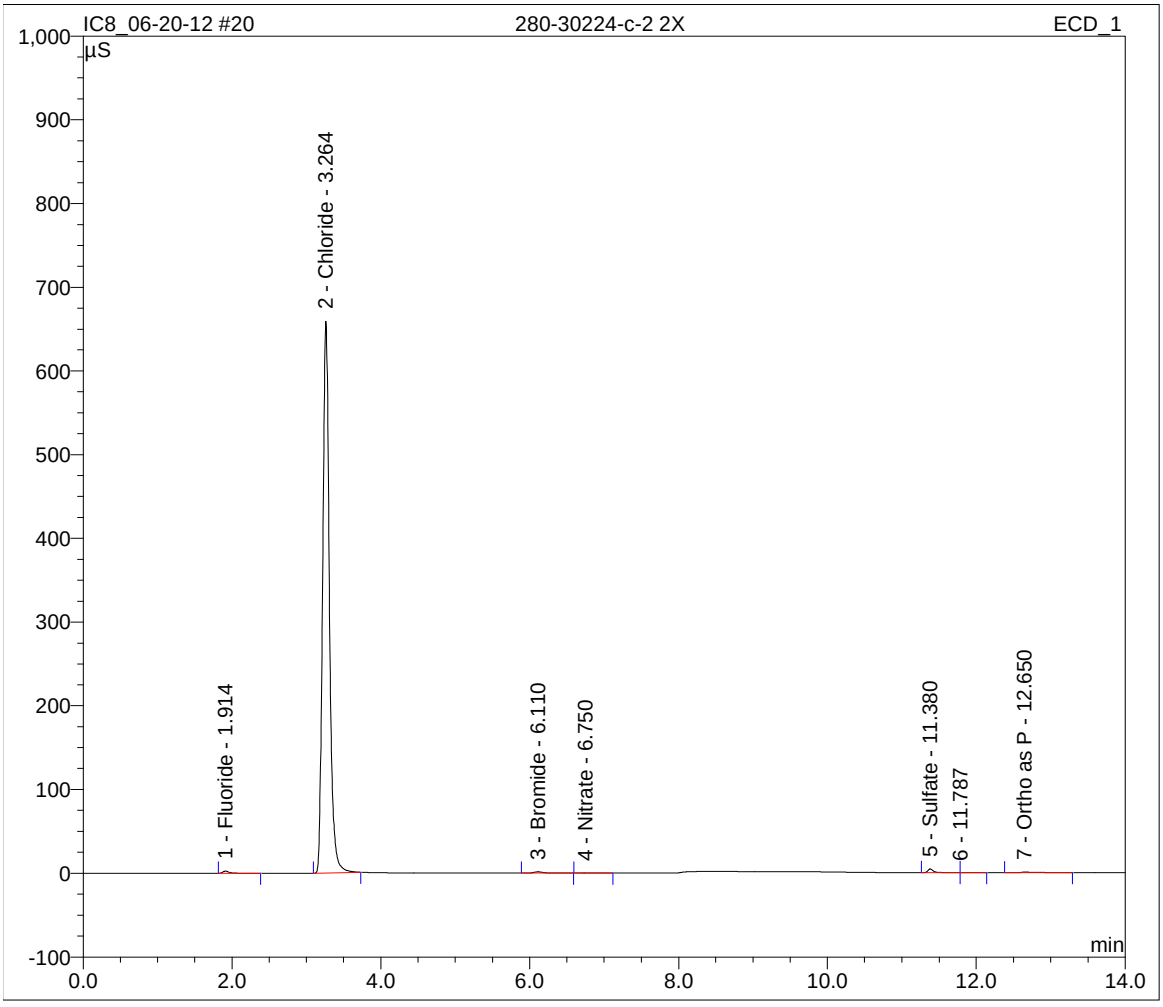
Sample Name:	**DU 280-30224-c-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 11:58**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.094	1.157	0.3799
2	3.27	Chloride	BMB	0.619	6.654	4.6001
3	6.24	Bromide	BMB	0.004	0.031	0.1224
4	6.93	Nitrate	BMB	0.001	0.004	0.0363
5	11.26	Sulfate	BMB	11.324	77.989	105.9975
6	12.65	Ortho as P	BMB	0.110	0.299	-0.0427
		TOTAL:		12.15	86.13	111.09



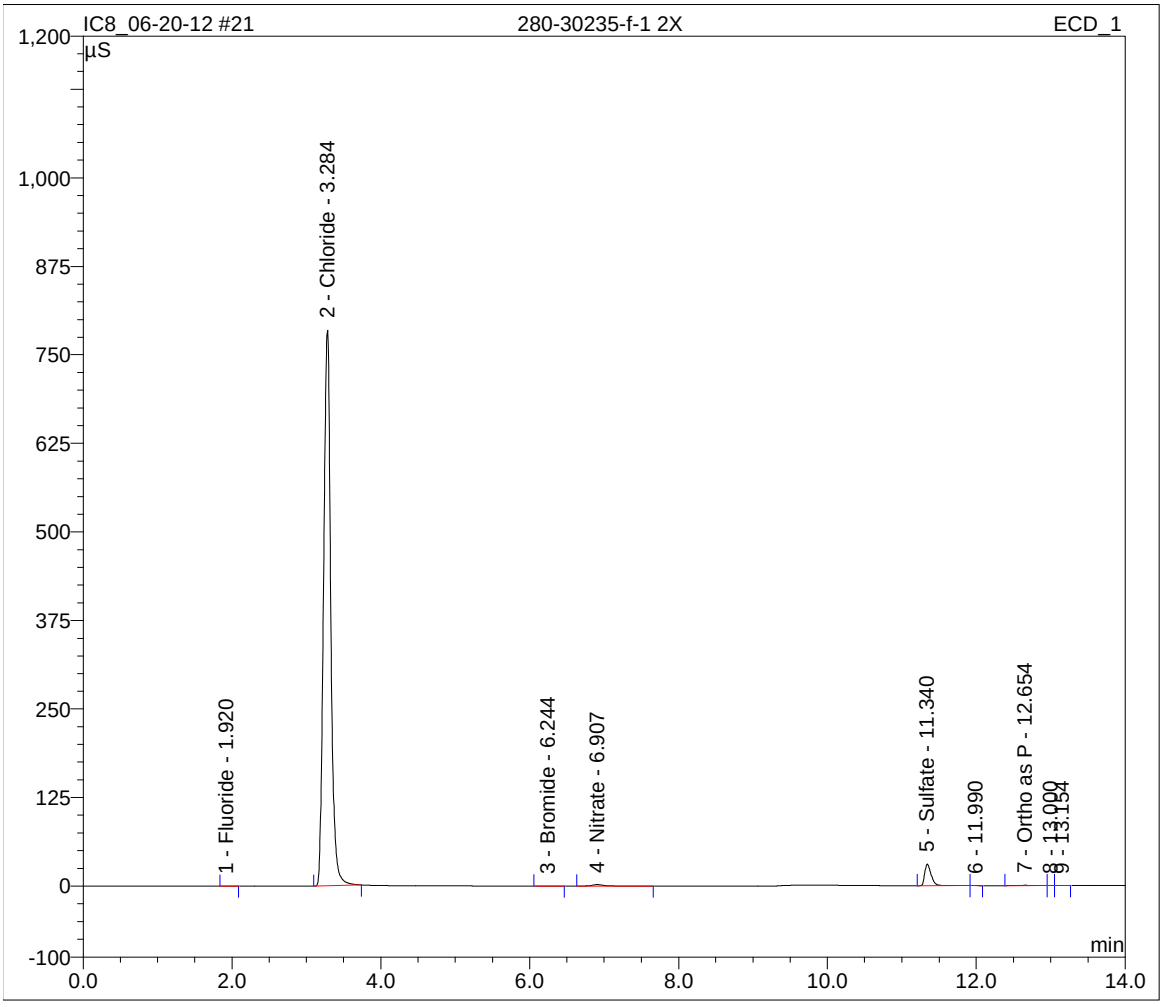
Sample Name:	**280-30224-c-2 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 12:48**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.239	2.538	2.0094
2	3.26	Chloride	BMB	69.291	659.212	1015.4164
3	6.11	Bromide	BMB	0.219	1.550	7.6729
4	6.75	Nitrate	BMB	0.004	0.025	0.0920
5	11.38	Sulfate	BMB	0.361	4.404	6.1994
7	12.65	Ortho as P	BMB	0.137	0.868	0.1975
		TOTAL:		70.25	668.60	1031.59



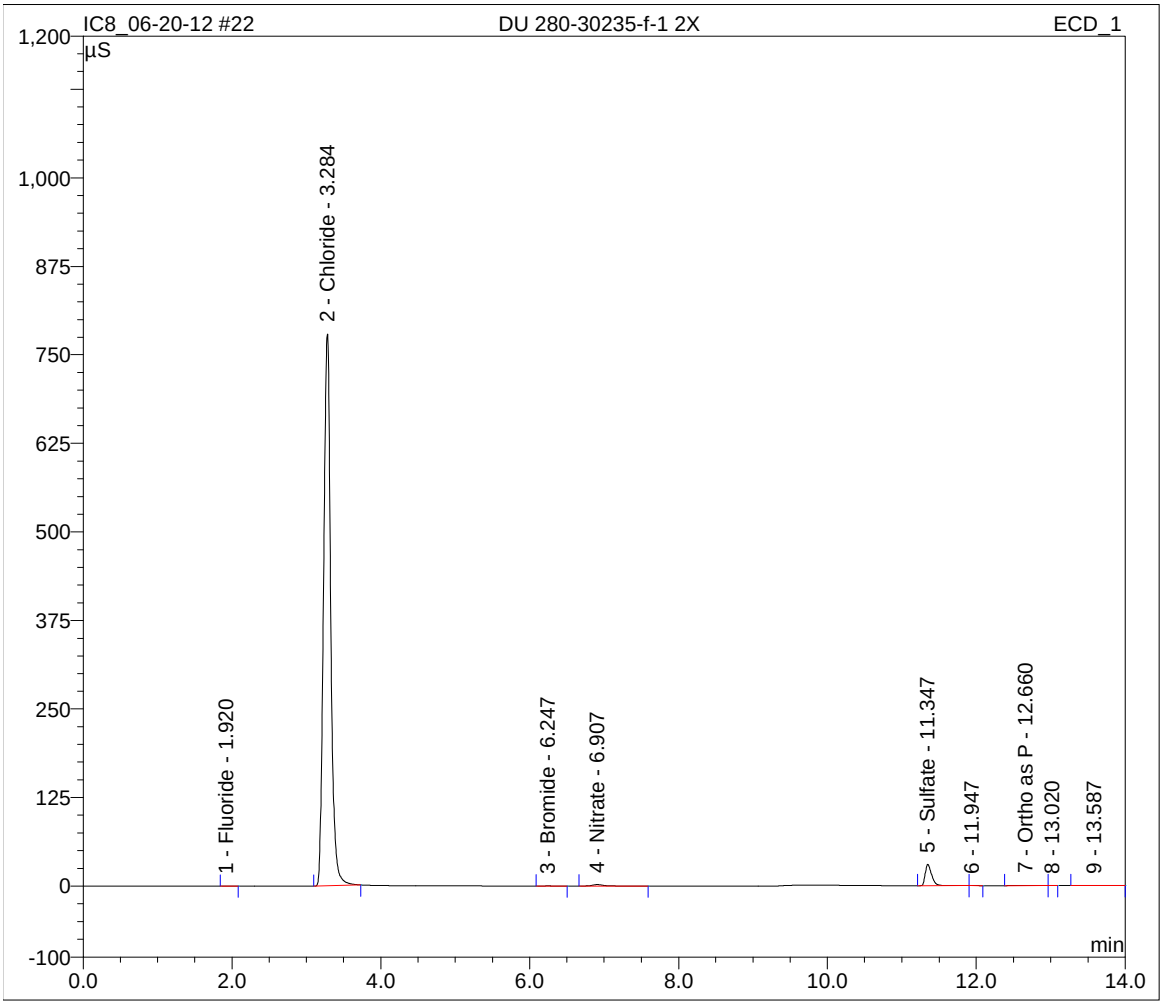
Sample Name:	**280-30235-f-1 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 13:05**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.006	0.069	0.0063
2	3.28	Chloride	BMB	87.743	784.384	1285.7946
3	6.24	Bromide	BMB	0.007	0.051	0.3394
4	6.91	Nitrate	BMB	0.324	1.972	1.9427
5	11.34	Sulfate	BMb	3.003	30.371	55.7925
7	12.65	Ortho as P	BMb	0.066	0.446	-0.5543
		TOTAL:		91.15	817.29	1343.32



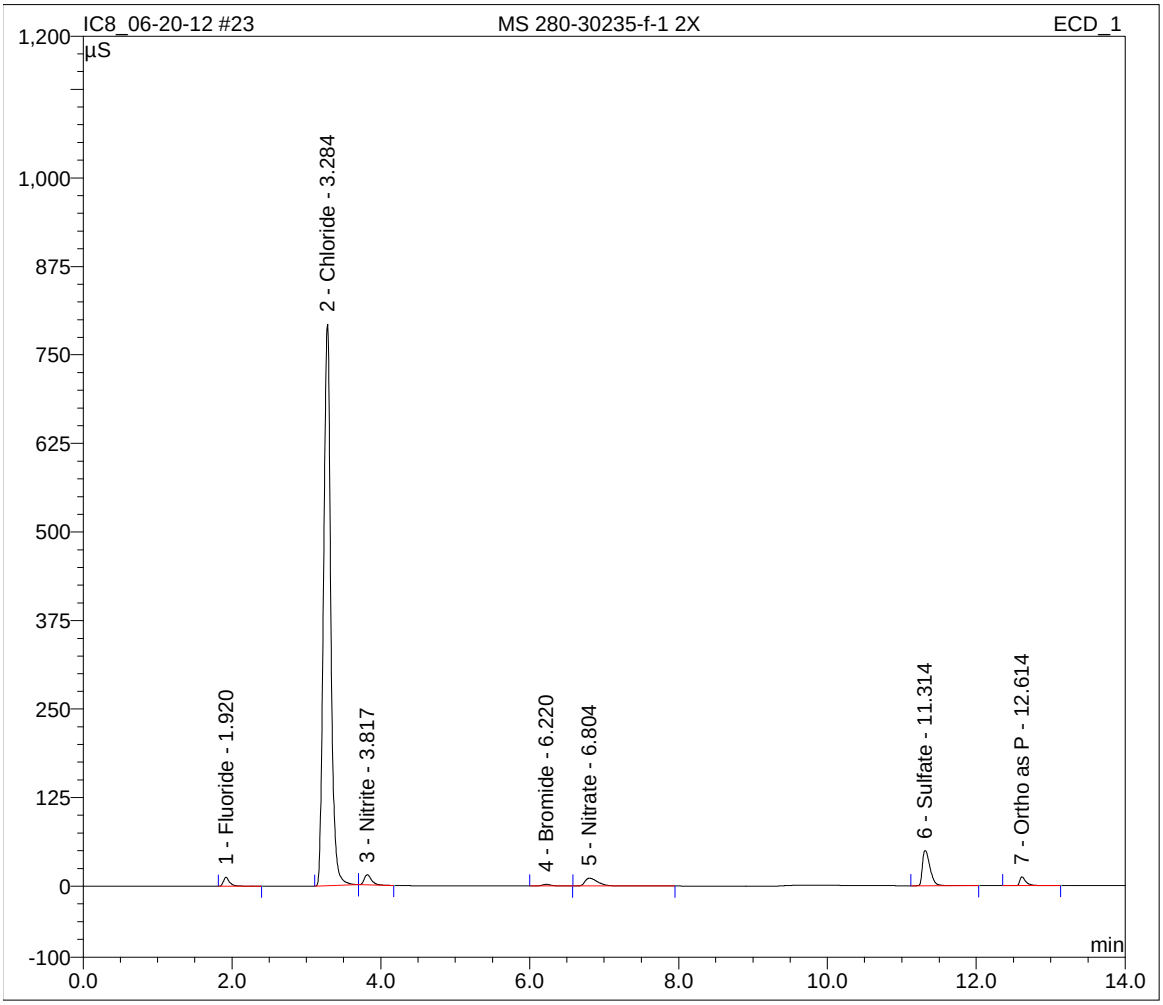
Sample Name:	**DU 280-30235-f-1 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 13:22**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.005	0.061	0.0001
2	3.28	Chloride	BMB	86.638	779.139	1269.5971
3	6.25	Bromide	BMB	0.007	0.052	0.3442
4	6.91	Nitrate	BMB	0.319	1.960	1.9137
5	11.35	Sulfate	BMb	2.965	30.010	55.0685
7	12.66	Ortho as P	BMb	0.059	0.366	-0.6267
		TOTAL:		89.99	811.59	1326.30



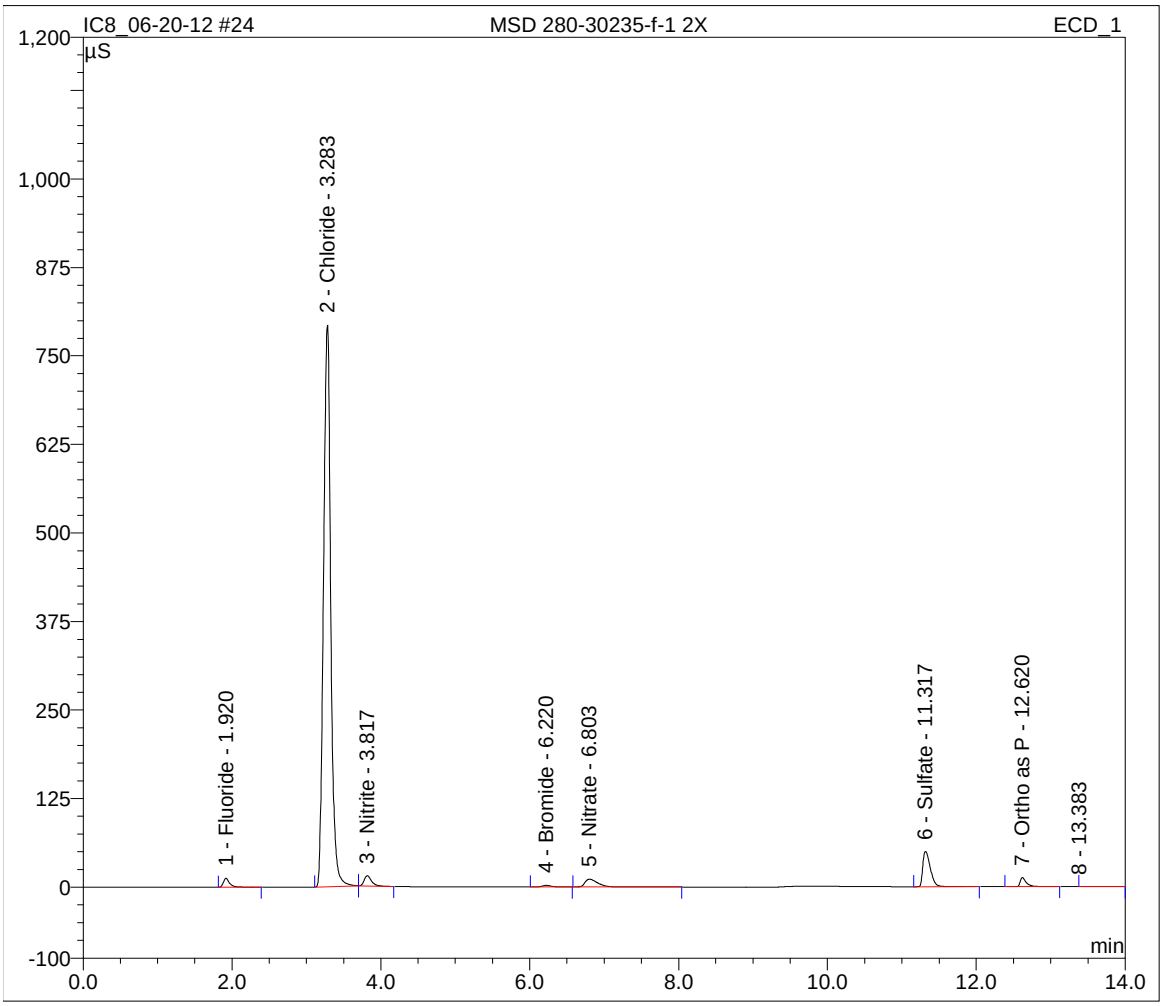
Sample Name:	**MS 280-30235-f-1 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 13:39**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.213	12.643	10.3721
2	3.28	Chloride	BMb	88.909	792.838	1302.8759
3	3.82	Nitrite	bMB	1.639	14.470	8.9822
4	6.22	Bromide	BMB	0.325	2.284	11.3218
5	6.80	Nitrate	BMB	2.218	11.175	12.9089
6	11.31	Sulfate	BMB	5.806	49.627	108.3985
7	12.61	Ortho as P	BMB	1.194	12.520	11.3924
		TOTAL:		101.30	895.56	1466.25



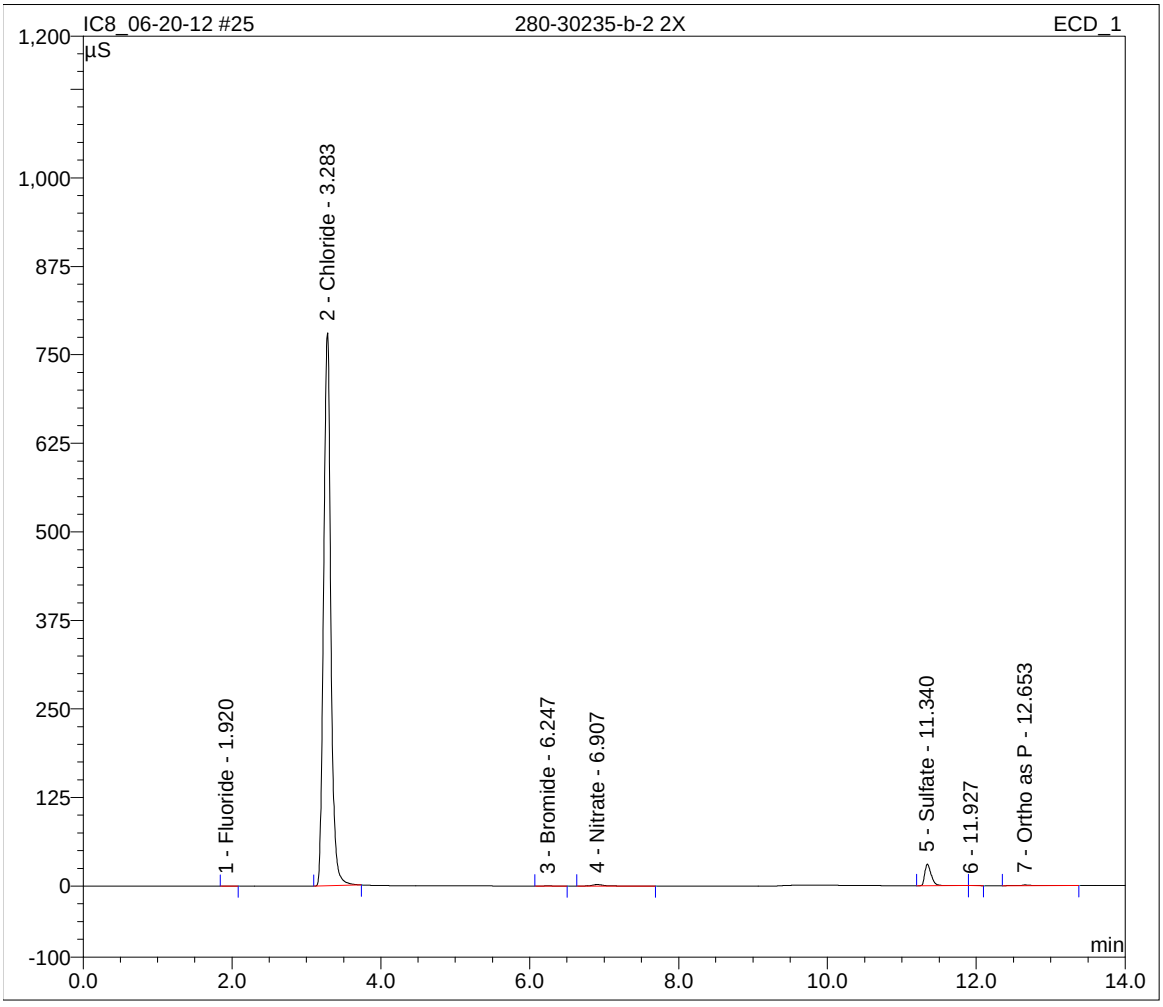
Sample Name:	**MSD 280-30235-f-1 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 13:56**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.214	12.636	10.3867
2	3.28	Chloride	BMb	89.041	793.037	1304.8140
3	3.82	Nitrite	bMB	1.637	14.435	8.9674
4	6.22	Bromide	BMB	0.324	2.280	11.3063
5	6.80	Nitrate	BMB	2.217	11.166	12.8978
6	11.32	Sulfate	BMB	5.804	49.574	108.3594
7	12.62	Ortho as P	BMB	1.226	12.744	11.7349
TOTAL:				101.46	895.87	1468.47



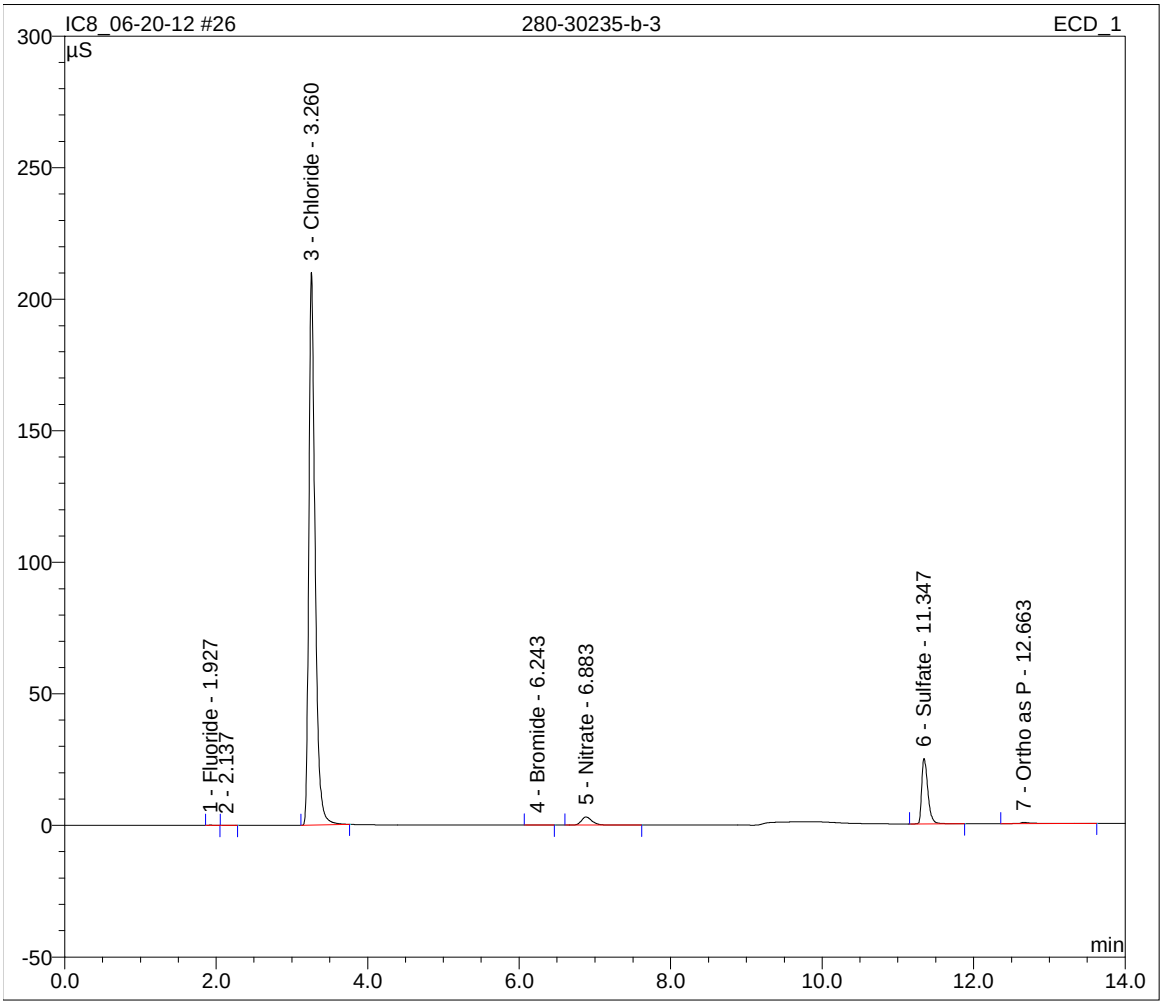
Sample Name:	**280-30235-b-2 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 14:13**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.010	0.119	0.0420
2	3.28	Chloride	BMB	86.923	781.090	1273.7772
3	6.25	Bromide	BMB	0.007	0.053	0.3536
4	6.91	Nitrate	BMB	0.329	2.002	1.9707
5	11.34	Sulfate	BMb	3.004	30.313	55.8075
7	12.65	Ortho as P	BMB	0.160	0.956	0.4471
		TOTAL:		90.43	814.53	1332.40



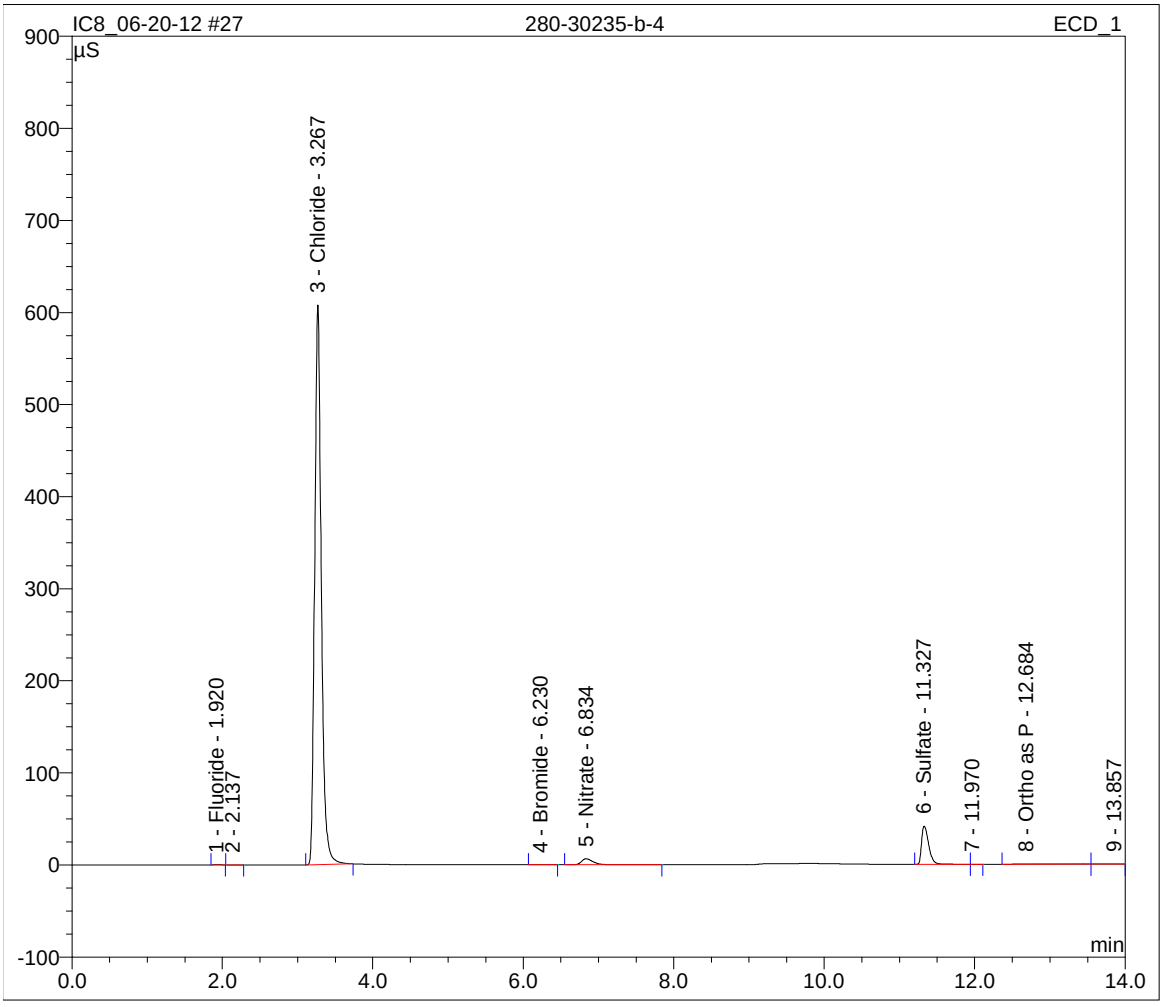
Sample Name:	**280-30235-b-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 14:29**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.007	0.094	0.0084
3	3.26	Chloride	BMB	20.260	210.169	148.4946
4	6.24	Bromide	BMB	0.002	0.014	0.0830
5	6.88	Nitrate	BMB	0.514	3.096	1.5210
6	11.35	Sulfate	BMB	2.334	24.839	21.6101
7	12.66	Ortho as P	BMB	0.132	0.498	0.0742
		TOTAL:		23.25	238.71	171.79



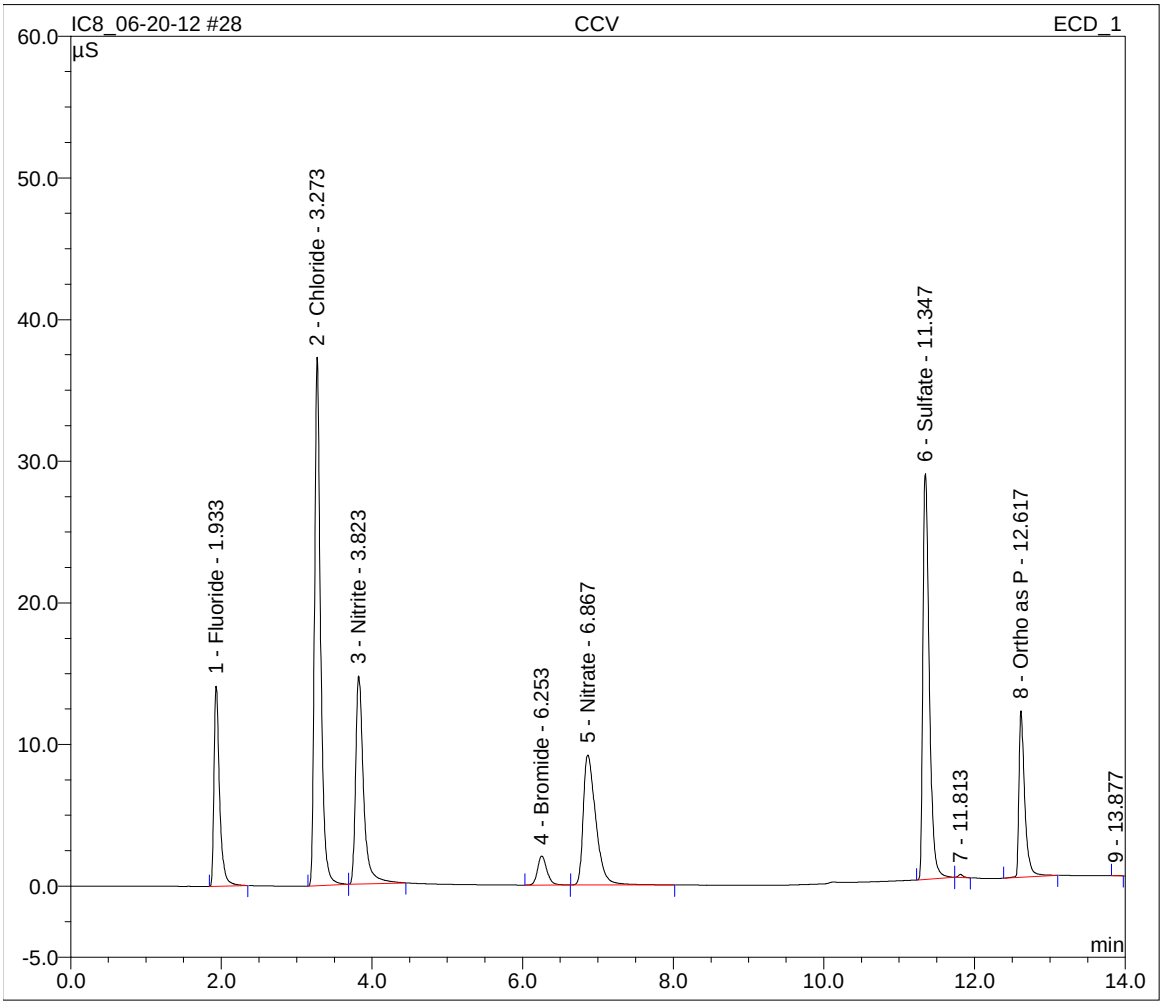
Sample Name:	**280-30235-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 14:46**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.005	0.065	-0.0006
3	3.27	Chloride	BMB	61.668	607.750	451.8648
4	6.23	Bromide	BMB	0.005	0.040	0.1415
5	6.83	Nitrate	BMB	1.153	6.512	3.3704
6	11.33	Sulfate	BMb	4.522	41.385	42.1482
8	12.68	Ortho as P	BMB	0.108	0.361	-0.0514
		TOTAL:		67.46	656.11	497.47



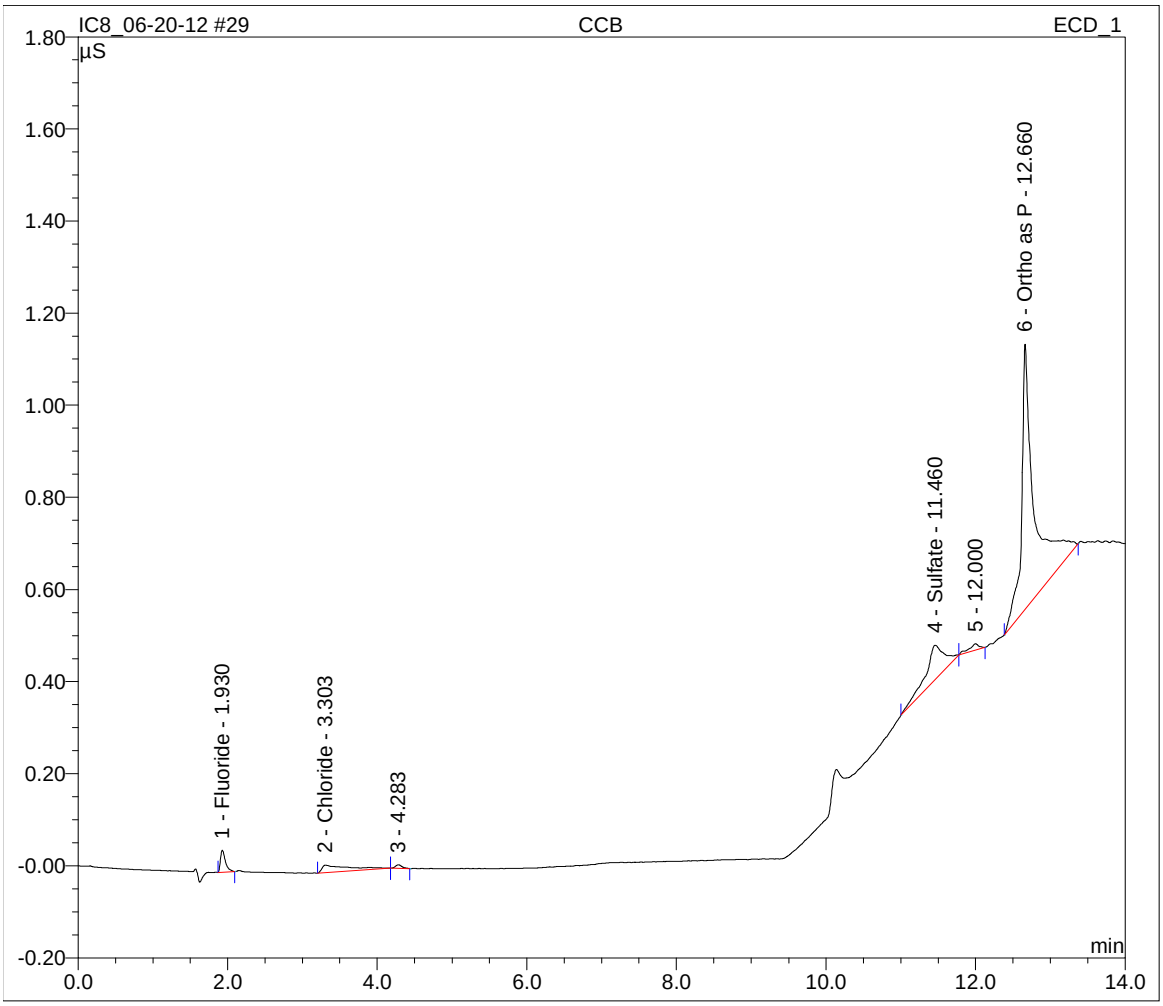
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 15:03**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.201	14.120	5.1345
2	3.27	Chloride	BMB	3.499	37.290	25.6972
3	3.82	Nitrite	BMB	1.788	14.689	4.8949
4	6.25	Bromide	BMB	0.293	2.039	5.1110
5	6.87	Nitrate	BMB	1.765	9.160	5.1410
6	11.35	Sulfate	BMb	2.827	28.637	26.2374
8	12.62	Ortho as P	BMB	1.048	11.731	4.9246
		TOTAL:		12.42	117.67	77.14



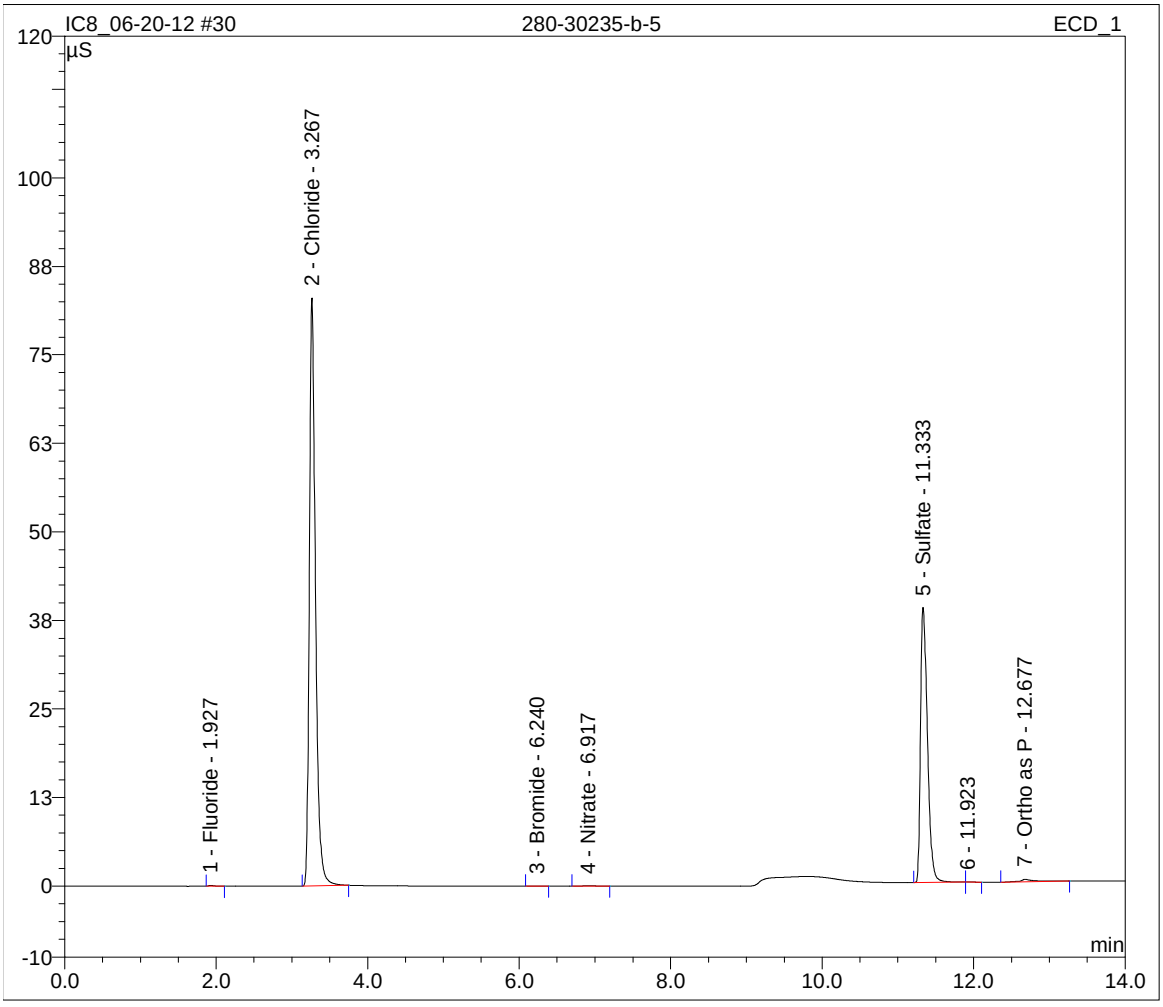
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 15:20**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.004	0.048	-0.0072
2	3.30	Chloride	BMB	0.007	0.016	0.1140
4	11.46	Sulfate	BMB	0.021	0.074	-0.0954
6	12.66	Ortho as P	BMB	0.115	0.576	-0.0155
		TOTAL:		0.15	0.71	0.00



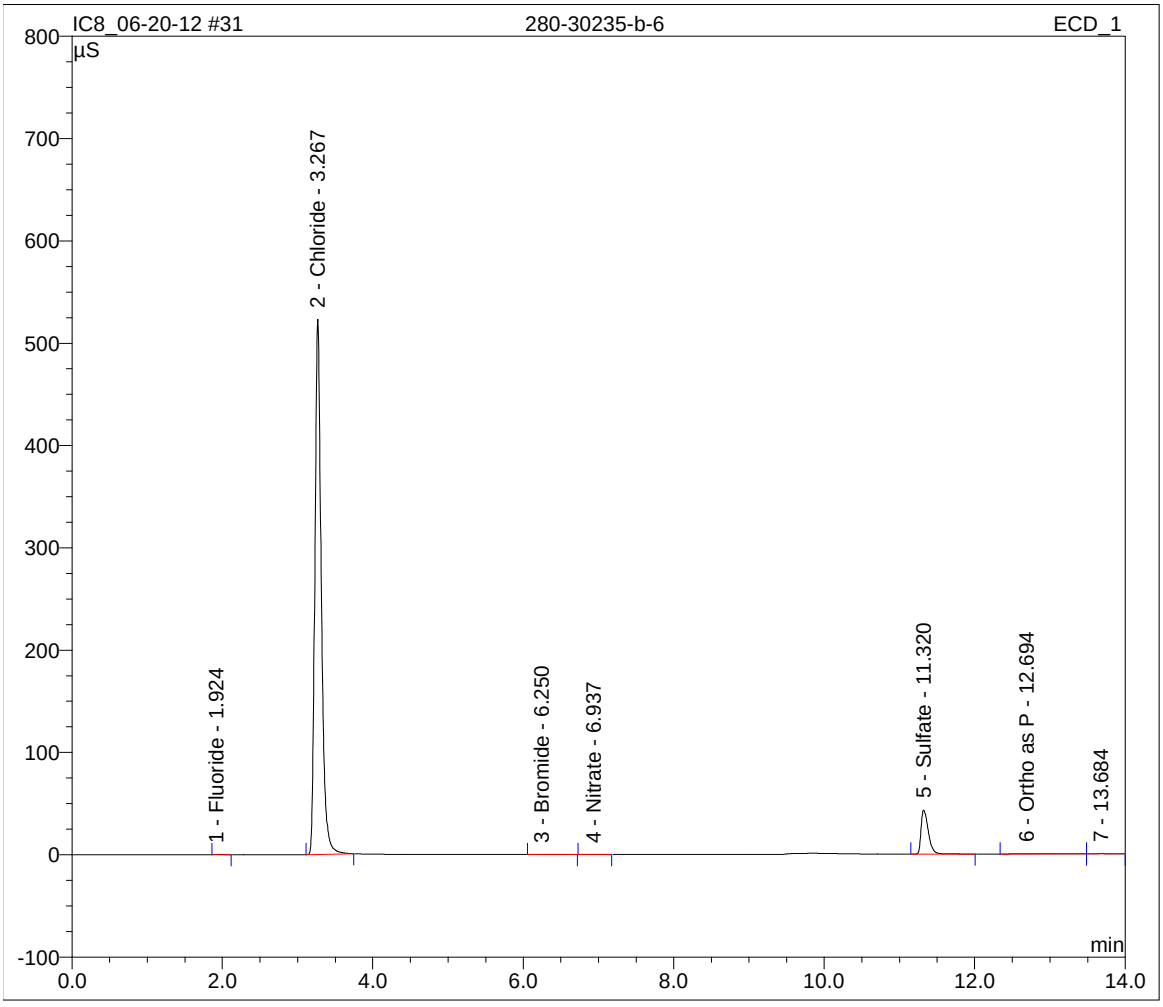
Sample Name:	**280-30235-b-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 15:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.008	0.113	0.0137
2	3.27	Chloride	BMB	7.857	83.030	57.6276
3	6.24	Bromide	BMB	0.001	0.011	0.0739
4	6.92	Nitrate	BMB	0.005	0.028	0.0477
5	11.33	Sulfate	BMb	4.139	38.825	38.5568
7	12.68	Ortho as P	BMB	0.082	0.359	-0.1916
		TOTAL:		12.09	122.37	96.13



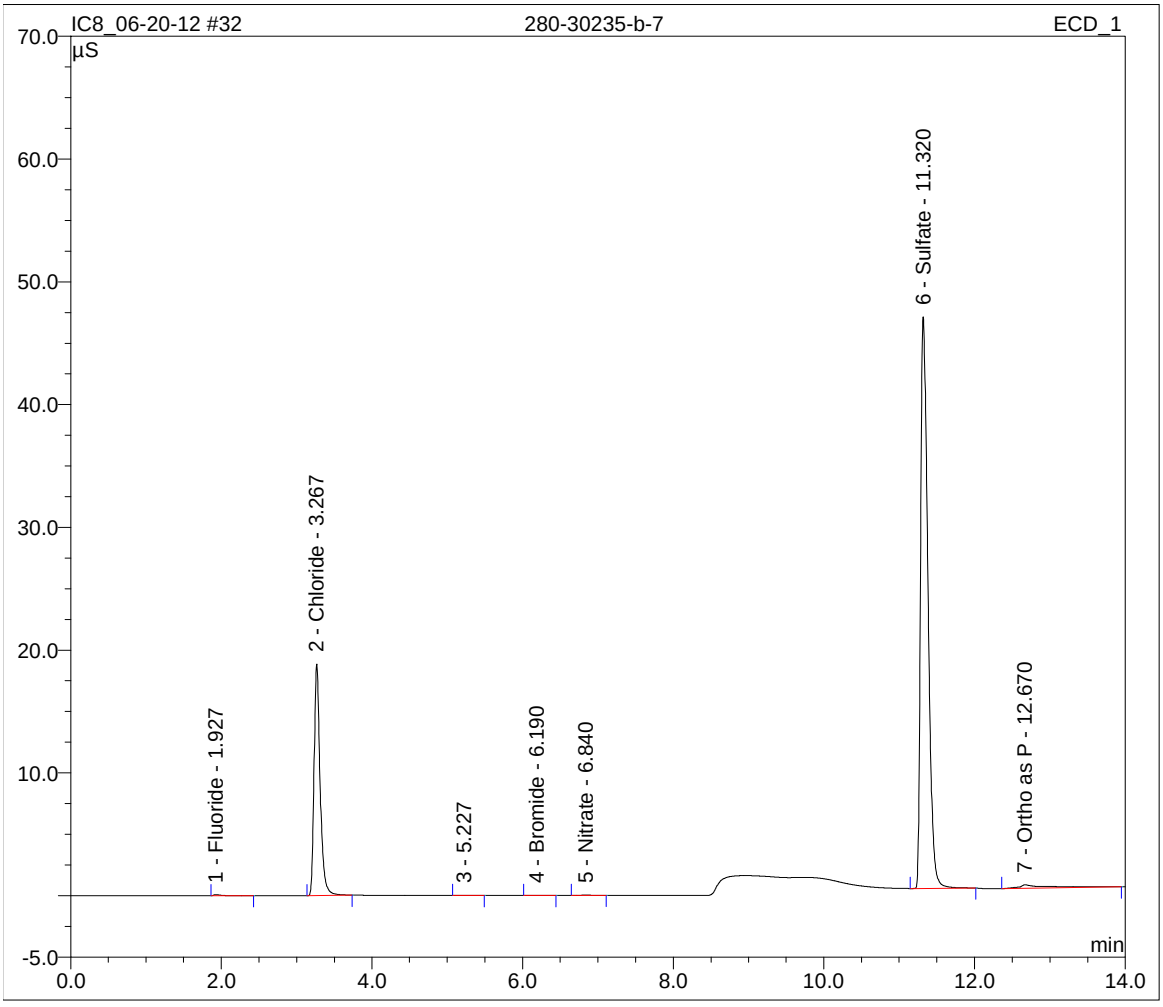
Sample Name:	**280-30235-b-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 15:53**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.010	0.130	0.0222
2	3.27	Chloride	BMB	51.680	523.041	378.6871
3	6.25	Bromide	BMB	0.034	0.233	0.6276
4	6.94	Nitrate	BMB	0.002	0.014	0.0410
5	11.32	Sulfate	BMB	4.795	42.892	44.7128
6	12.69	Ortho as P	BMB	0.095	0.291	-0.1217
		TOTAL:		56.62	566.60	423.97



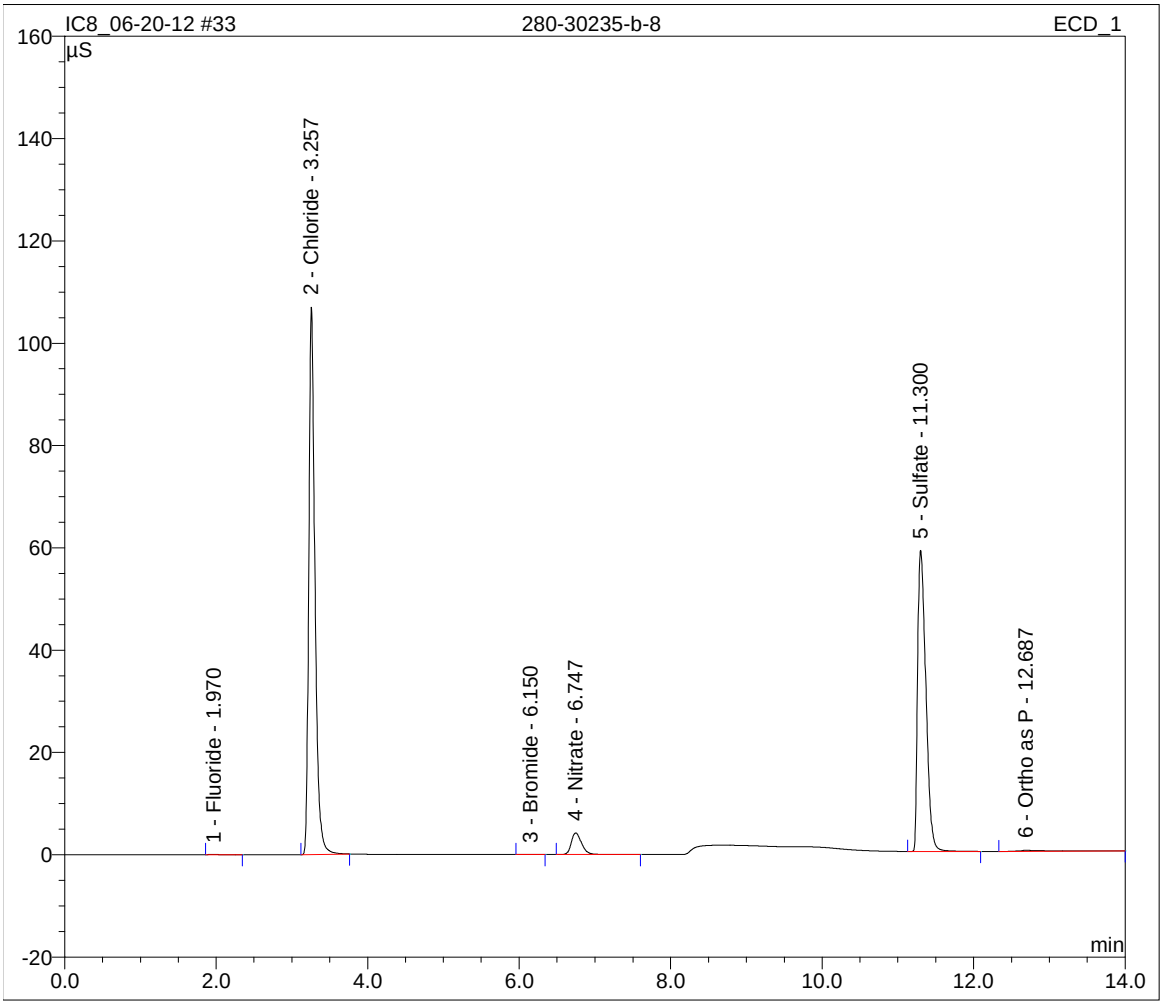
Sample Name:	**280-30235-b-7**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 16:10**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.010	0.085	0.0218
2	3.27	Chloride	BMB	1.764	18.862	12.9897
4	6.19	Bromide	BMB	0.001	0.009	0.0710
5	6.84	Nitrate	BMB	0.003	0.022	0.0446
6	11.32	Sulfate	BMB	5.339	46.556	49.8148
7	12.67	Ortho as P	BMB	0.131	0.290	0.0686
		TOTAL:		7.25	65.82	63.01



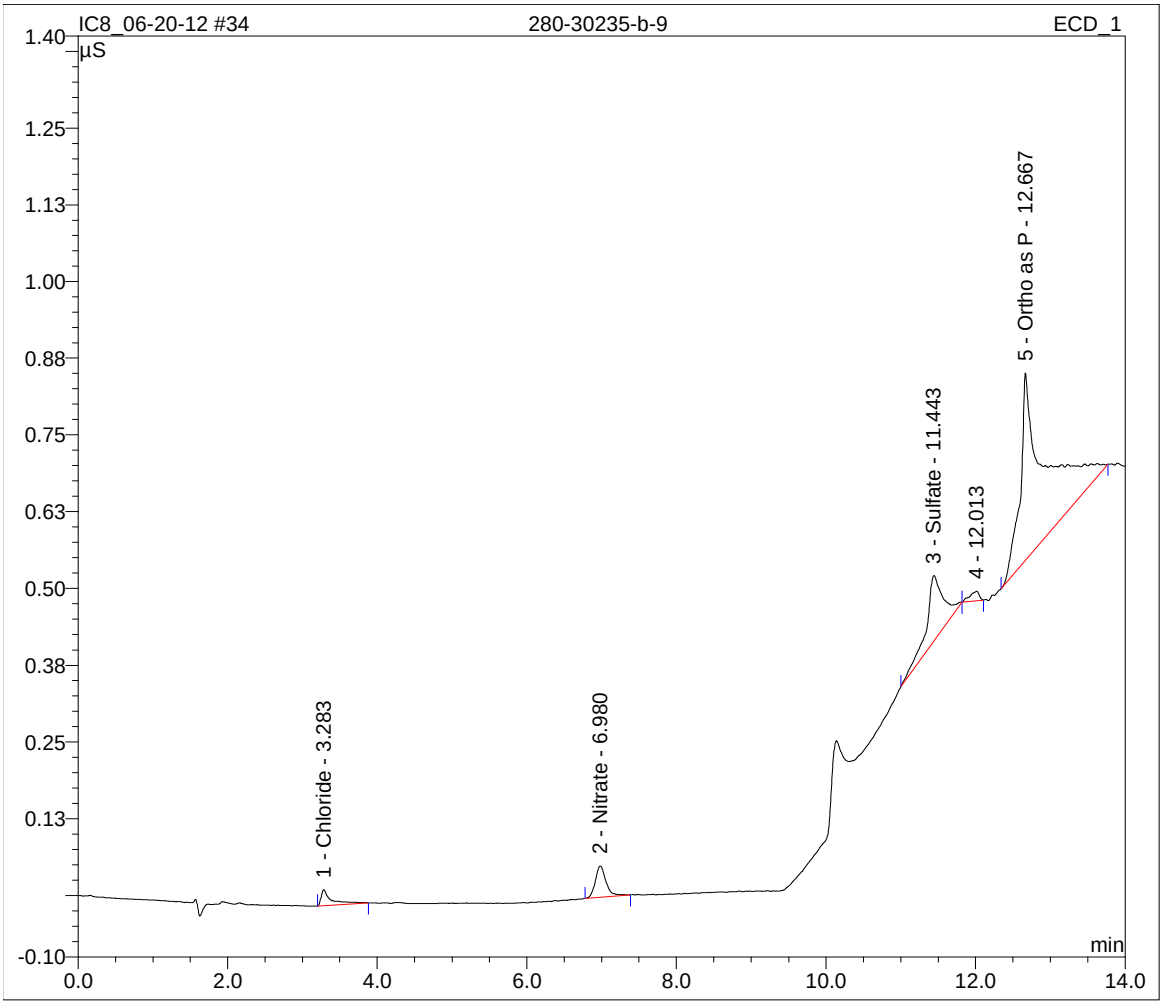
Sample Name:	**280-30235-b-8**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 16:27**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.97	Fluoride	BMB	0.005	0.036	0.0006
2	3.26	Chloride	BMB	10.167	107.009	74.5498
3	6.15	Bromide	BMB	0.006	0.043	0.1477
4	6.75	Nitrate	BMB	0.670	4.234	1.9747
5	11.30	Sulfate	BMB	7.443	58.857	69.5662
6	12.69	Ortho as P	BMB	0.130	0.244	0.0667
		TOTAL:		18.42	170.42	146.31



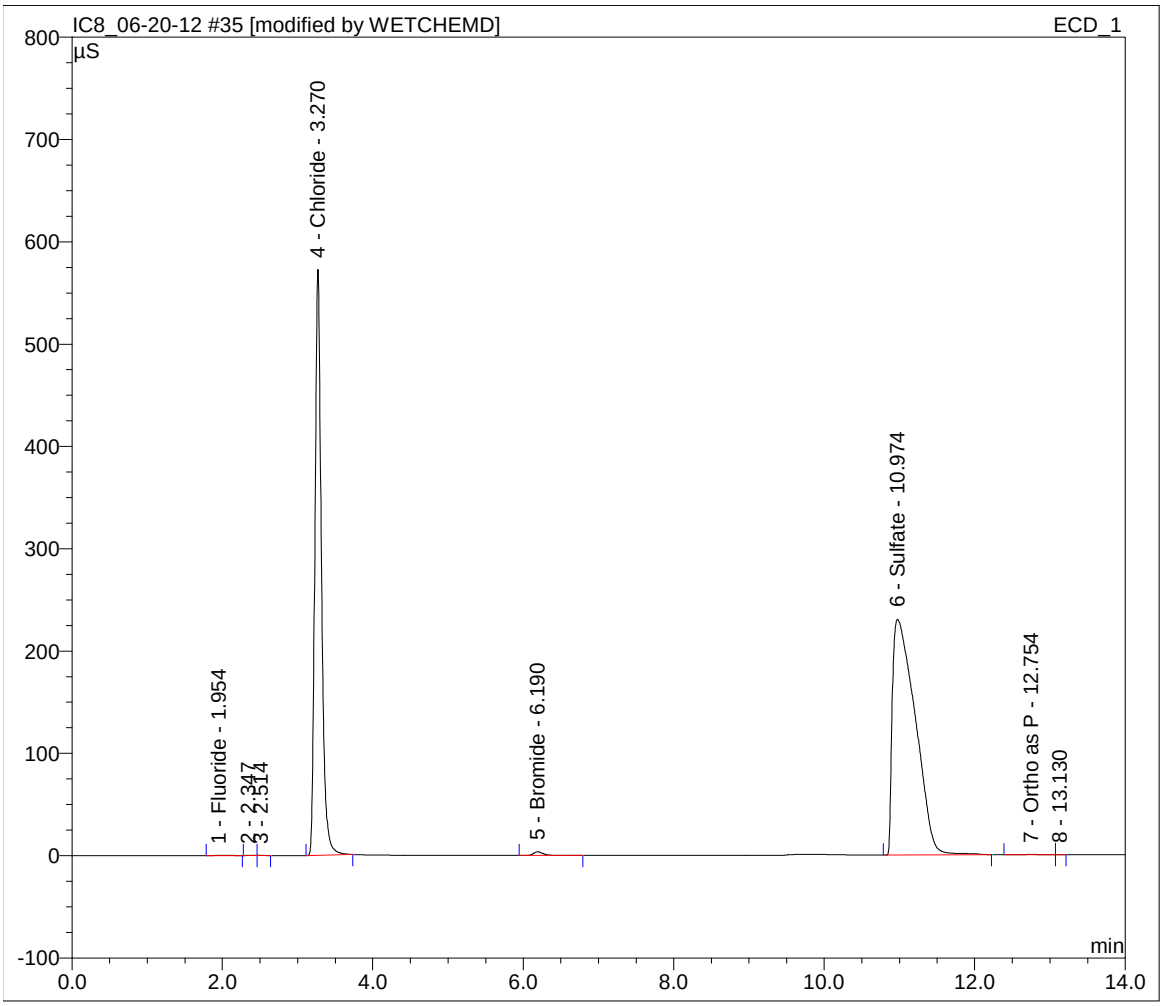
Sample Name:	**280-30235-b-9**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 16:44**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	3.28	Chloride	BMB	0.004	0.026	0.0960
2	6.98	Nitrate	BMB	0.008	0.051	0.0589
3	11.44	Sulfate	BMB	0.027	0.107	-0.0366
5	12.67	Ortho as P	BMB	0.119	0.305	0.0046
TOTAL:				0.16	0.49	0.12



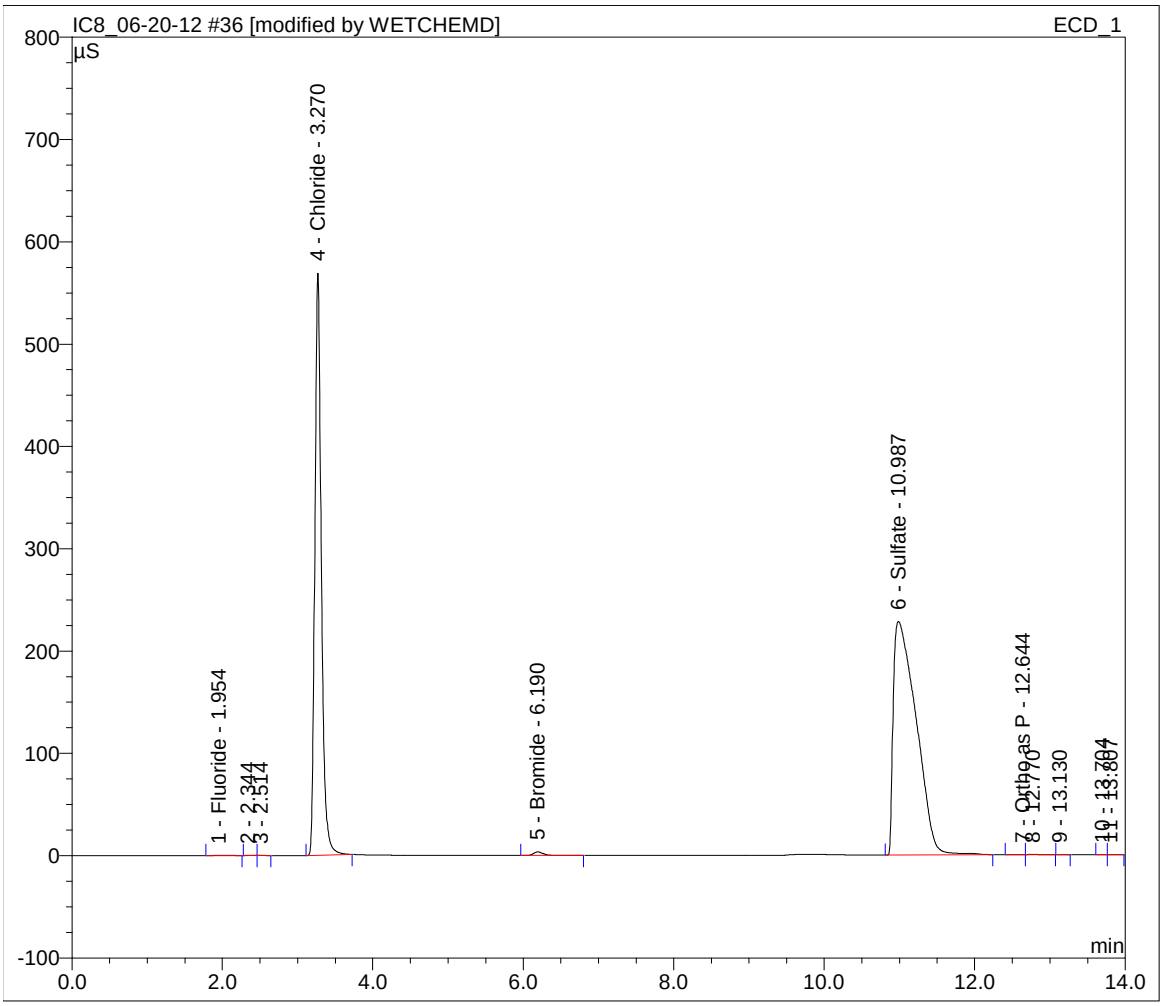
Sample Name:	**280-30225-a-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 17:01**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.95	Fluoride	BMB	0.013	0.115	0.1693
4	3.27	Chloride	BMB	57.394	572.644	2102.7691
5	6.19	Bromide	BMB	0.514	3.493	44.6481
6	10.97	Sulfate	BMB*	80.860	230.397	3793.2357
7	12.75	Ortho as P	BMb	0.054	0.156	-1.6932
		TOTAL:		138.84	806.81	5939.13



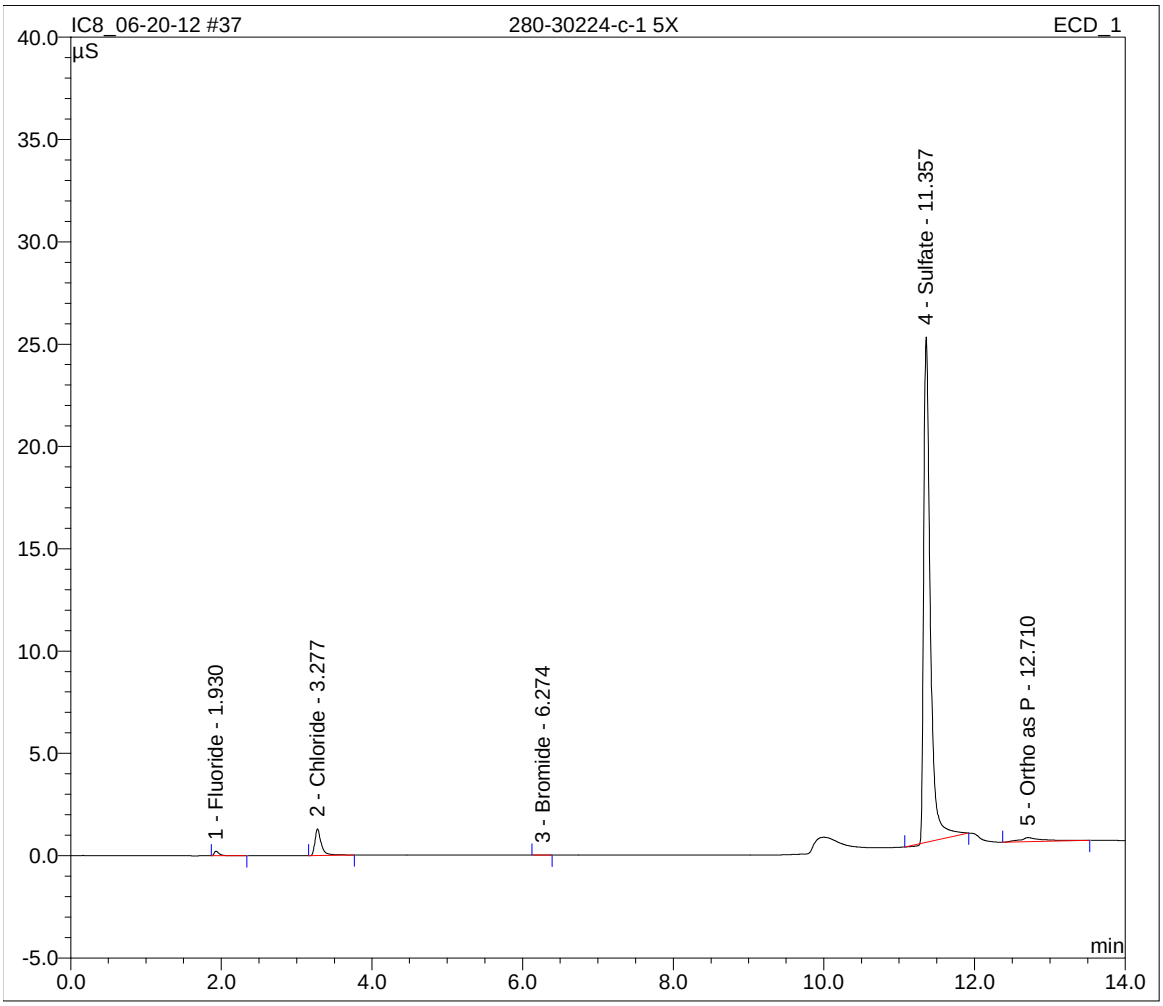
Sample Name:	**280-30225-a-2 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 17:17**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.95	Fluoride	BMB	0.013	0.115	0.1684
4	3.27	Chloride	BMB	56.702	569.003	2077.4000
5	6.19	Bromide	BMB	0.508	3.454	44.1791
6	10.99	Sulfate	BMB*	80.041	228.374	3754.7969
7	12.64	Ortho as P	BMb	0.006	0.017	-2.9709
		TOTAL:		137.27	800.96	5873.57



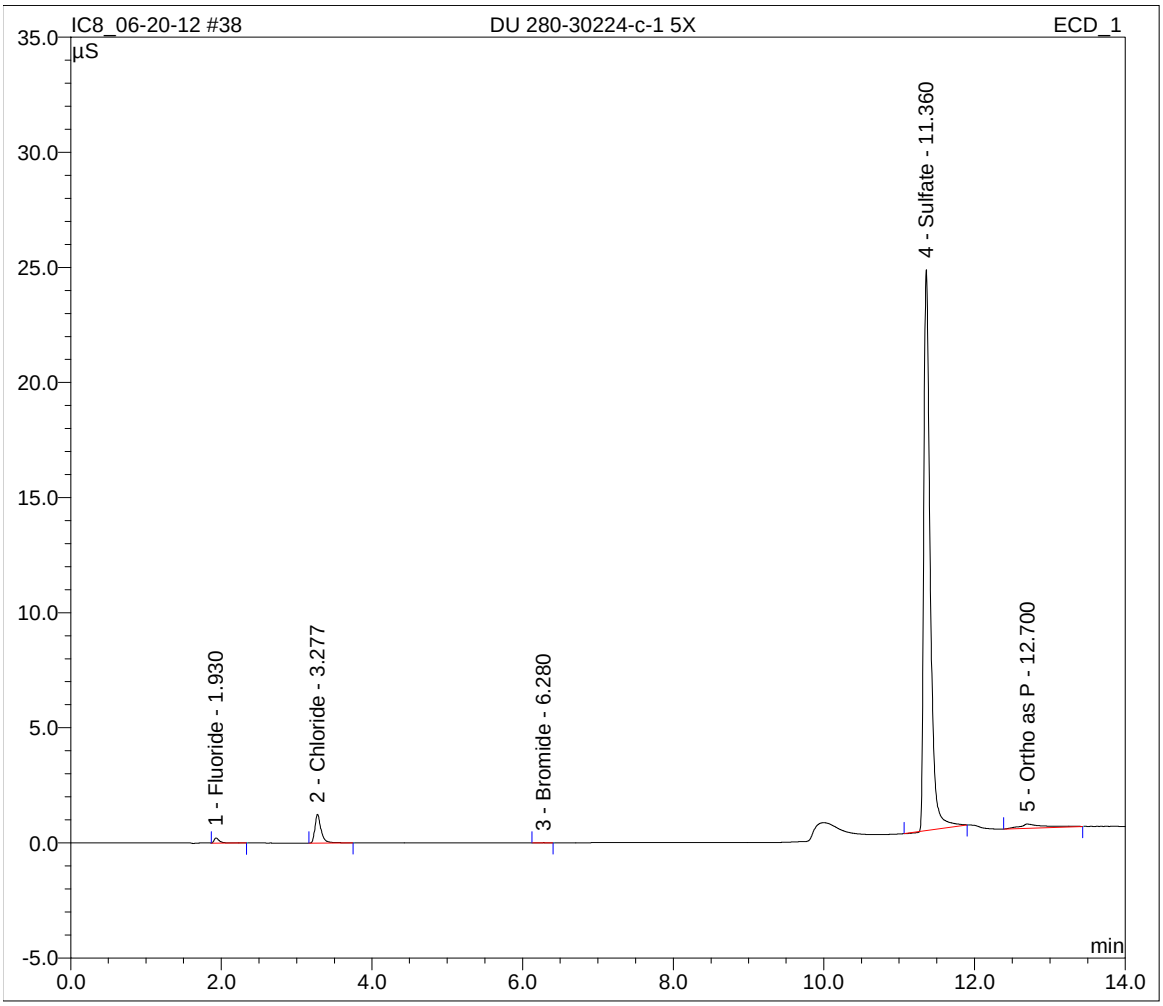
Sample Name:	**280-30224-c-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 17:34**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.018	0.222	0.2700
2	3.28	Chloride	BMB	0.129	1.303	5.0590
3	6.27	Bromide	BMB	0.001	0.005	0.3004
4	11.36	Sulfate	BMB	2.511	24.709	116.3793
5	12.71	Ortho as P	BMB	0.074	0.203	-1.1569
		TOTAL:		2.73	26.44	120.85



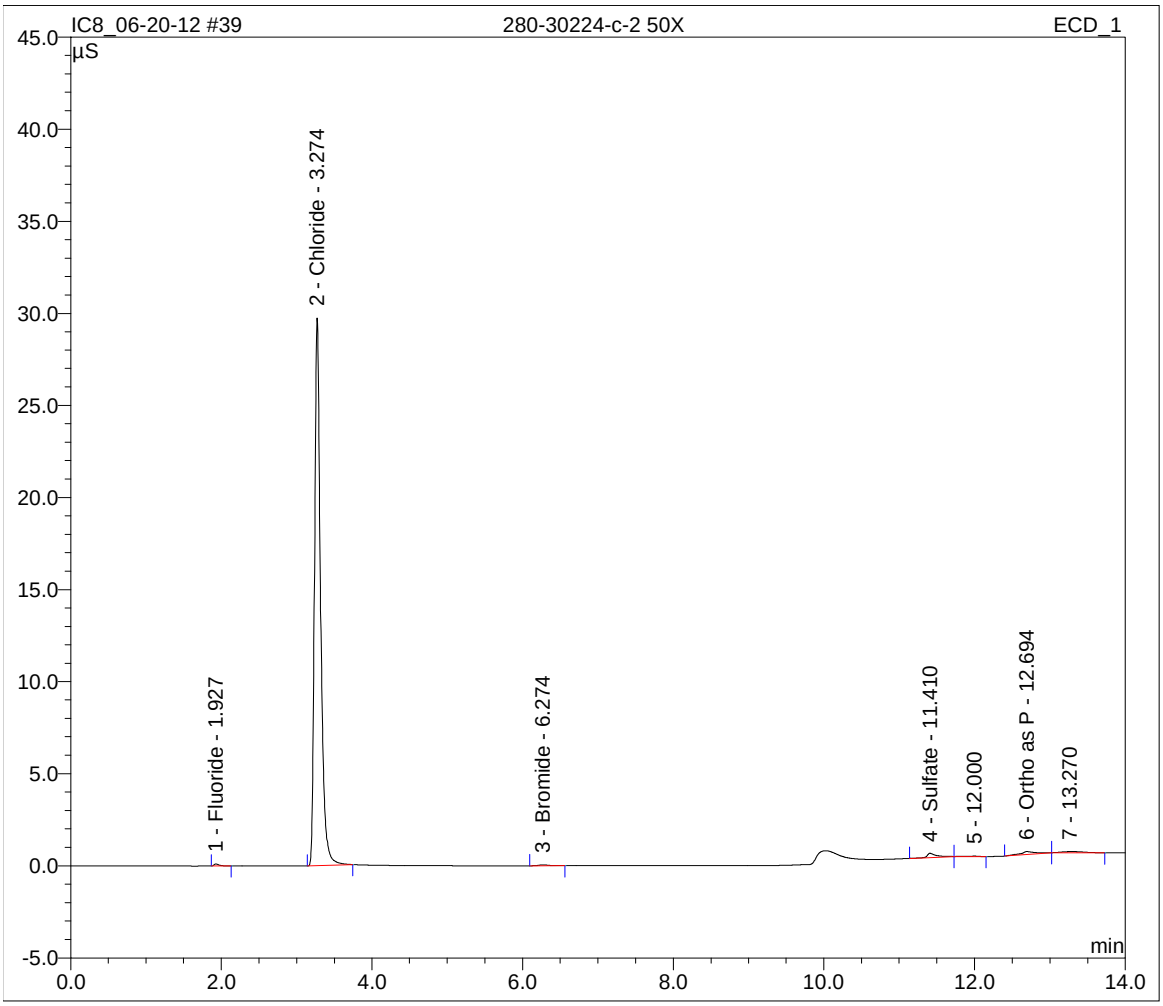
Sample Name:	**DU 280-30224-c-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 17:51**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.018	0.220	0.2665
2	3.28	Chloride	BMB	0.118	1.249	4.6325
3	6.28	Bromide	BMB	0.001	0.006	0.3021
4	11.36	Sulfate	BMB	2.395	24.376	110.9574
5	12.70	Ortho as P	BMB	0.066	0.186	-1.3796
		TOTAL:		2.60	26.04	114.78



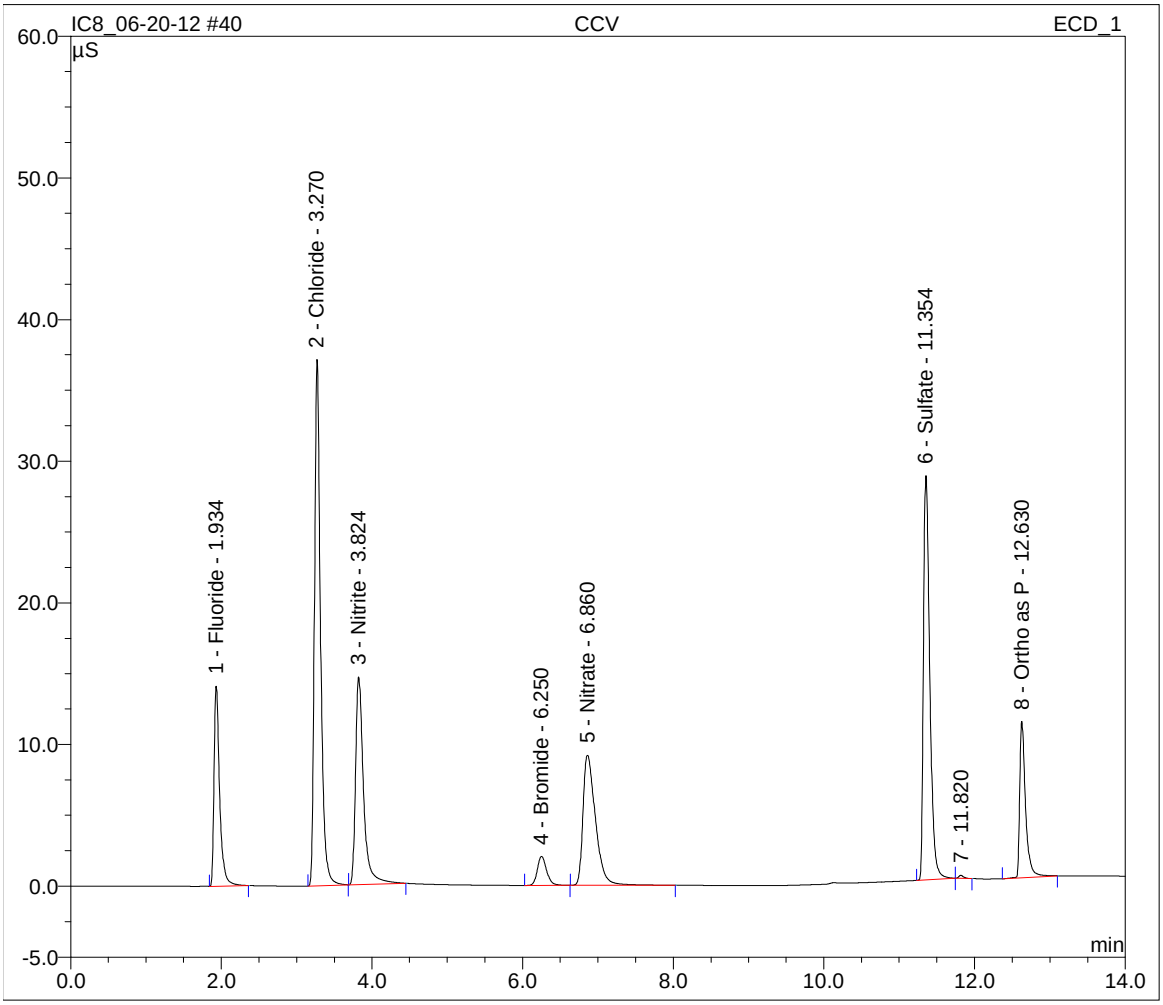
Sample Name:	**280-30224-c-2 50X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 18:08**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.008	0.109	0.6617
2	3.27	Chloride	BMB	2.803	29.743	1030.0126
3	6.27	Bromide	BMB	0.007	0.052	8.8265
4	11.41	Sulfate	BMB	0.031	0.232	0.1288
6	12.69	Ortho as P	BMB	0.036	0.158	-21.7330
		TOTAL:		2.89	30.29	1017.90



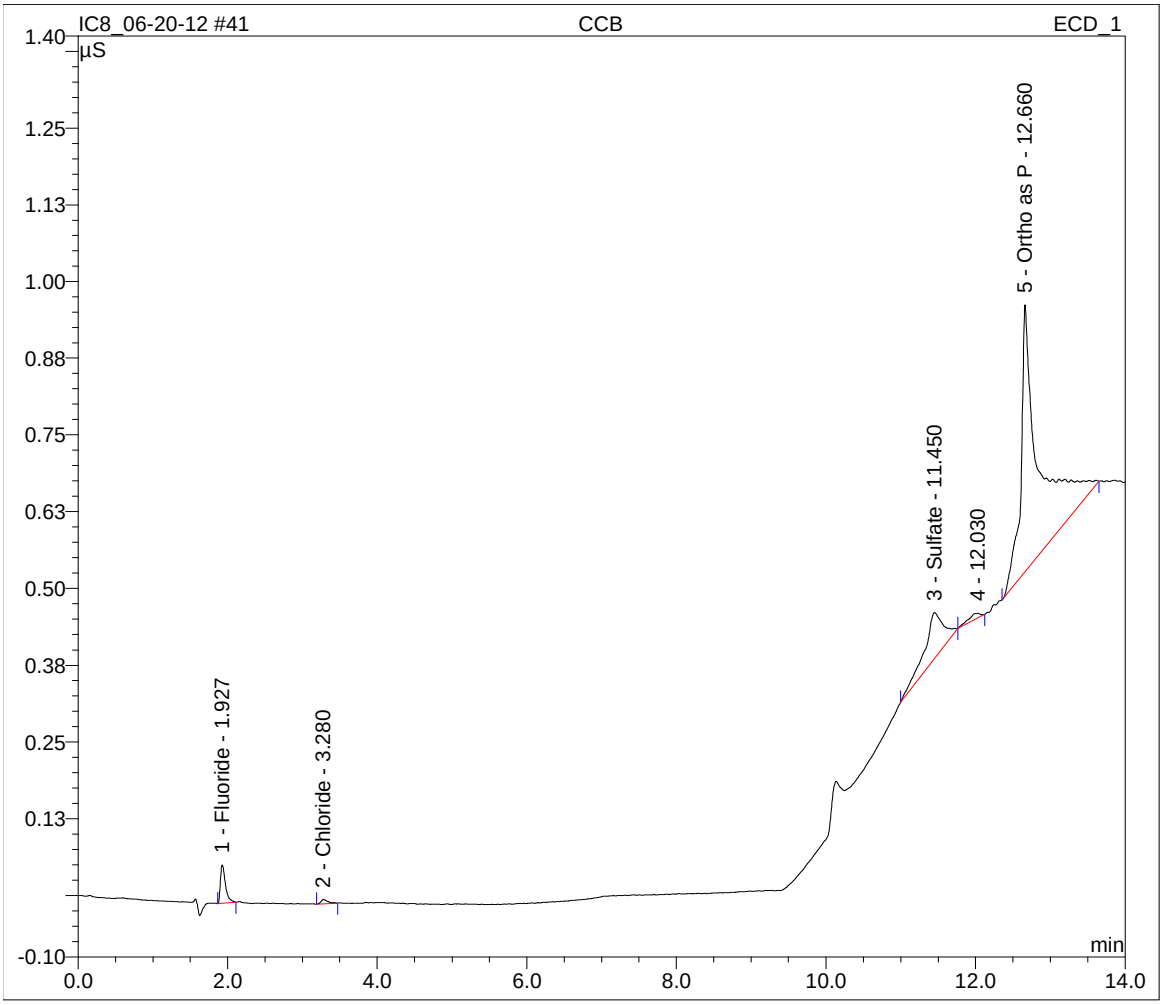
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 18:58**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.207	14.111	5.1622
2	3.27	Chloride	BMB	3.495	37.157	25.6674
3	3.82	Nitrite	BMB	1.794	14.659	4.9105
4	6.25	Bromide	BMB	0.291	2.036	5.0872
5	6.86	Nitrate	BMB	1.762	9.180	5.1346
6	11.35	Sulfate	BMb	2.787	28.529	25.8642
8	12.63	Ortho as P	BMB	0.985	11.021	4.5902
		TOTAL:		12.32	116.69	76.42



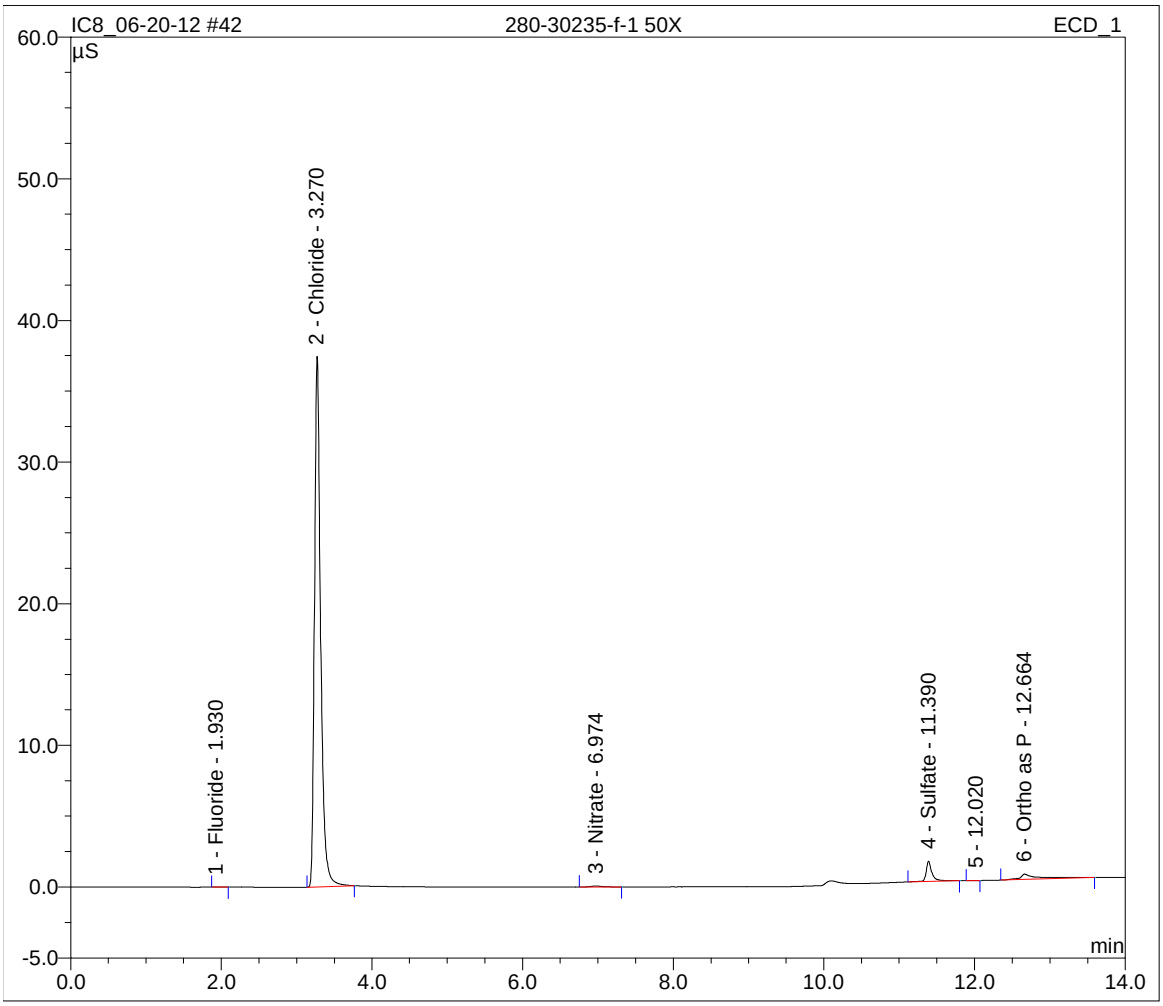
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 19:15**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.005	0.063	-0.0019
2	3.28	Chloride	BMB	0.001	0.007	0.0707
3	11.45	Sulfate	BMB	0.022	0.075	-0.0858
5	12.66	Ortho as P	BMB	0.124	0.435	0.0300
		TOTAL:		0.15	0.58	0.01



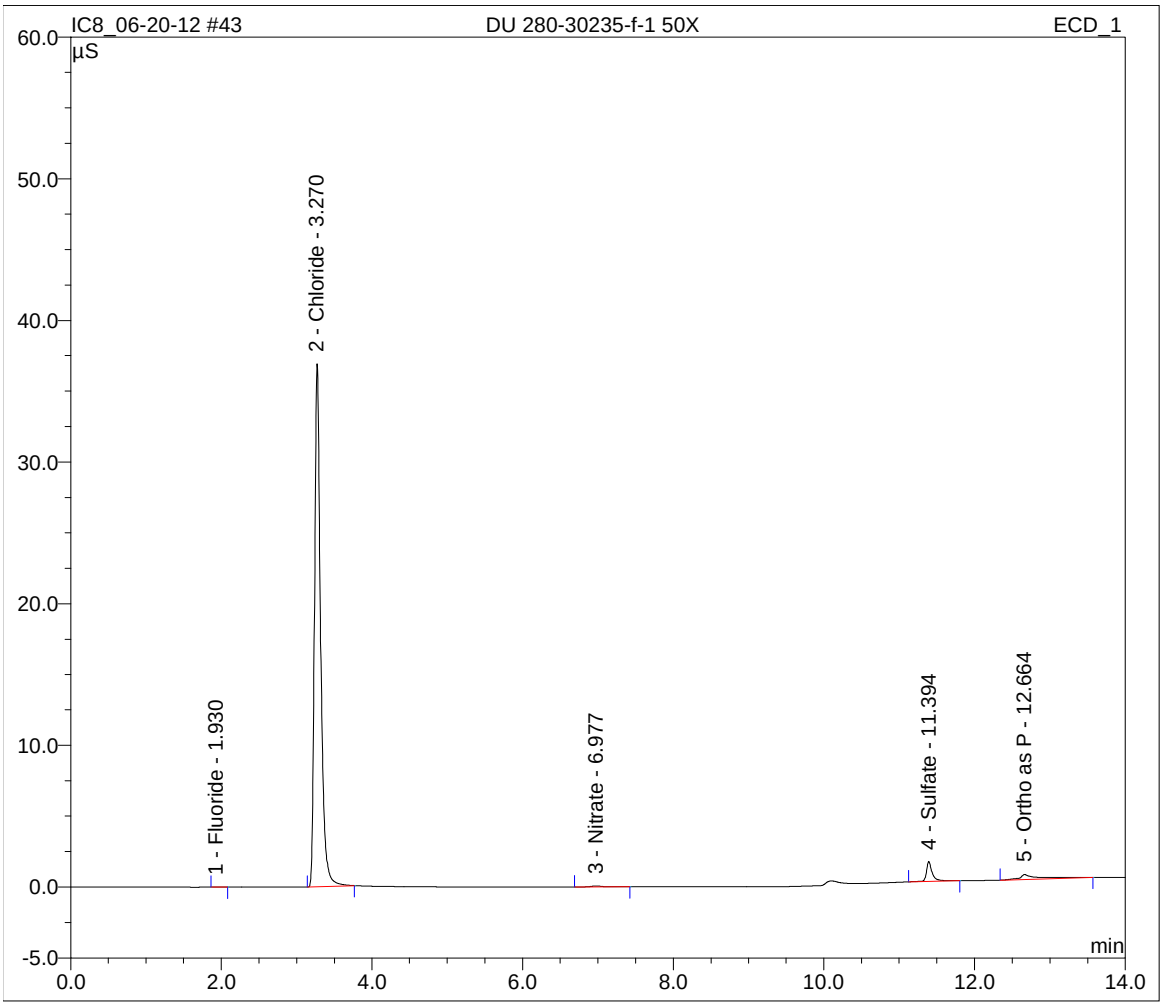
Sample Name:	**280-30235-f-1 50X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 19:32**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.001	0.015	-0.8756
2	3.27	Chloride	BMB	3.562	37.437	1308.0212
3	6.97	Nitrate	BMB	0.011	0.067	3.3072
4	11.39	Sulfate	BMB	0.128	1.426	45.5057
6	12.66	Ortho as P	BMB	0.111	0.382	-1.8958
		TOTAL:		3.81	39.33	1354.06



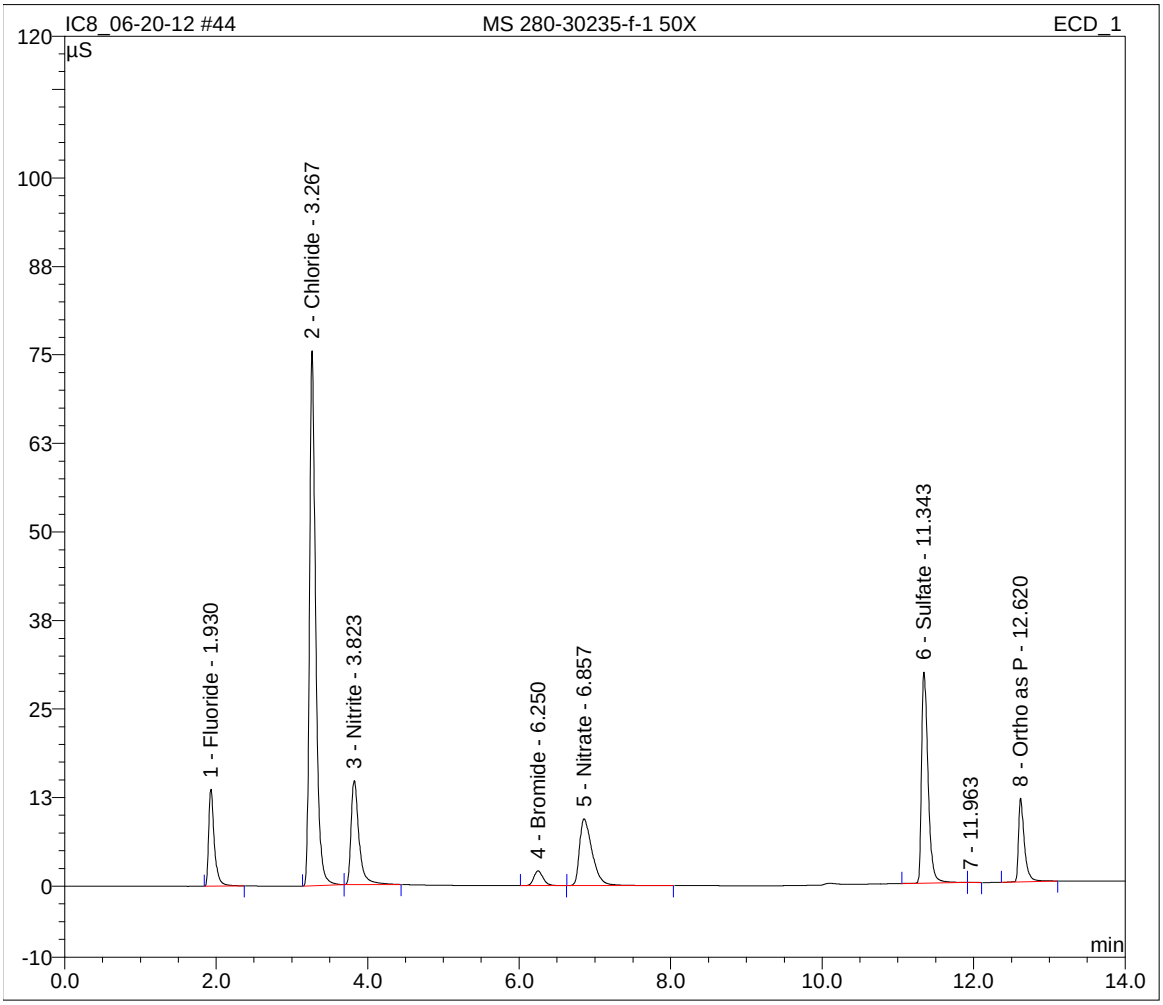
Sample Name:	**DU 280-30235-f-1 50X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 19:49**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.001	0.009	-0.9682
2	3.27	Chloride	BMB	3.500	36.910	1285.2723
3	6.98	Nitrate	BMB	0.011	0.066	3.3482
4	11.39	Sulfate	BMB	0.126	1.408	44.6920
5	12.66	Ortho as P	BMB	0.103	0.348	-3.9883
		TOTAL:		3.74	38.74	1328.36



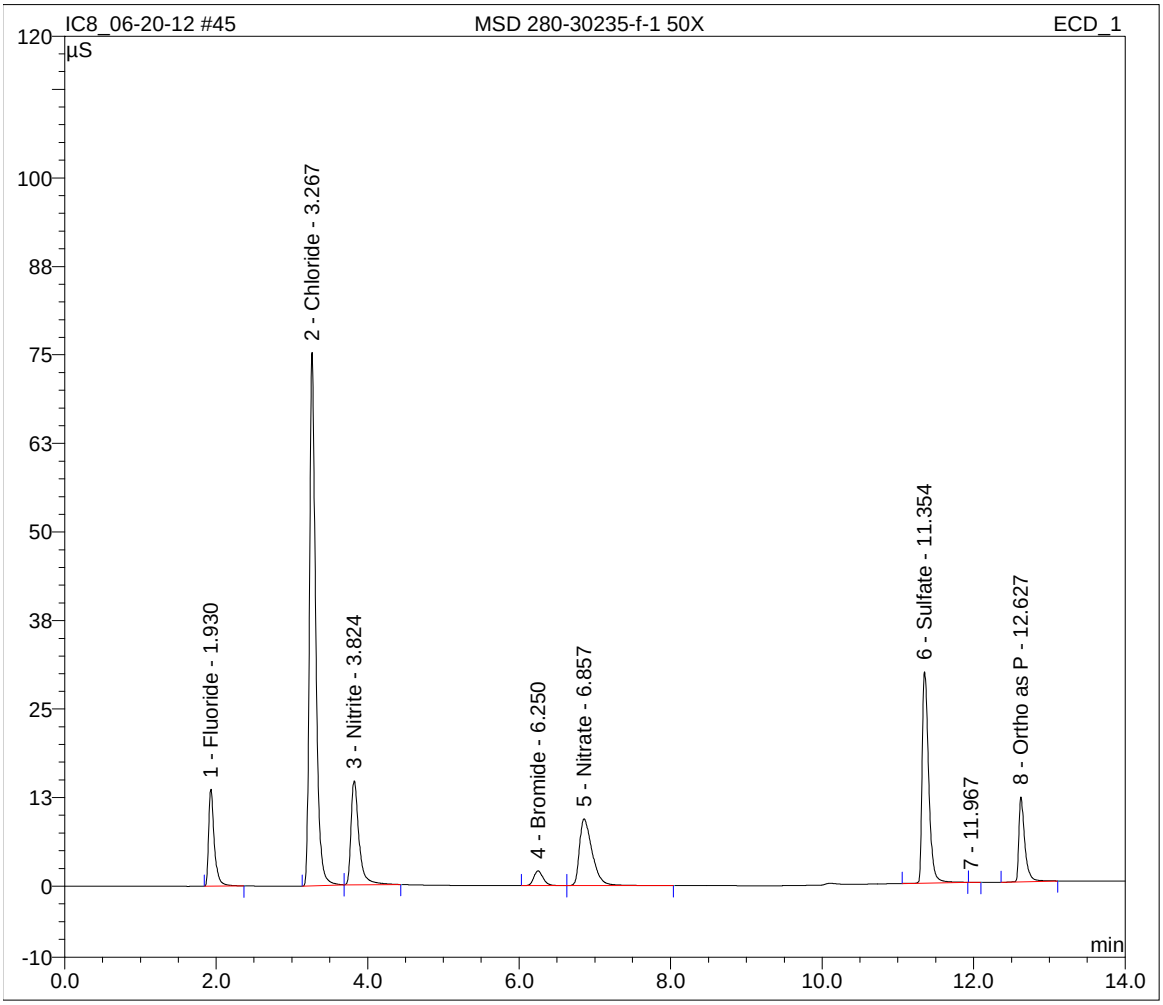
Sample Name:	**MS 280-30235-f-1 50X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 20:05**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.169	13.664	249.8955
2	3.27	Chloride	BMB	7.162	75.511	2626.8495
3	3.82	Nitrite	bMB	1.787	14.692	244.6041
4	6.25	Bromide	BMB	0.301	2.100	262.2923
5	6.86	Nitrate	BMB	1.828	9.440	266.1997
6	11.34	Sulfate	BMb	2.977	29.794	1382.3117
8	12.62	Ortho as P	BMB	1.063	11.803	250.1411
		TOTAL:		16.29	157.00	5282.29



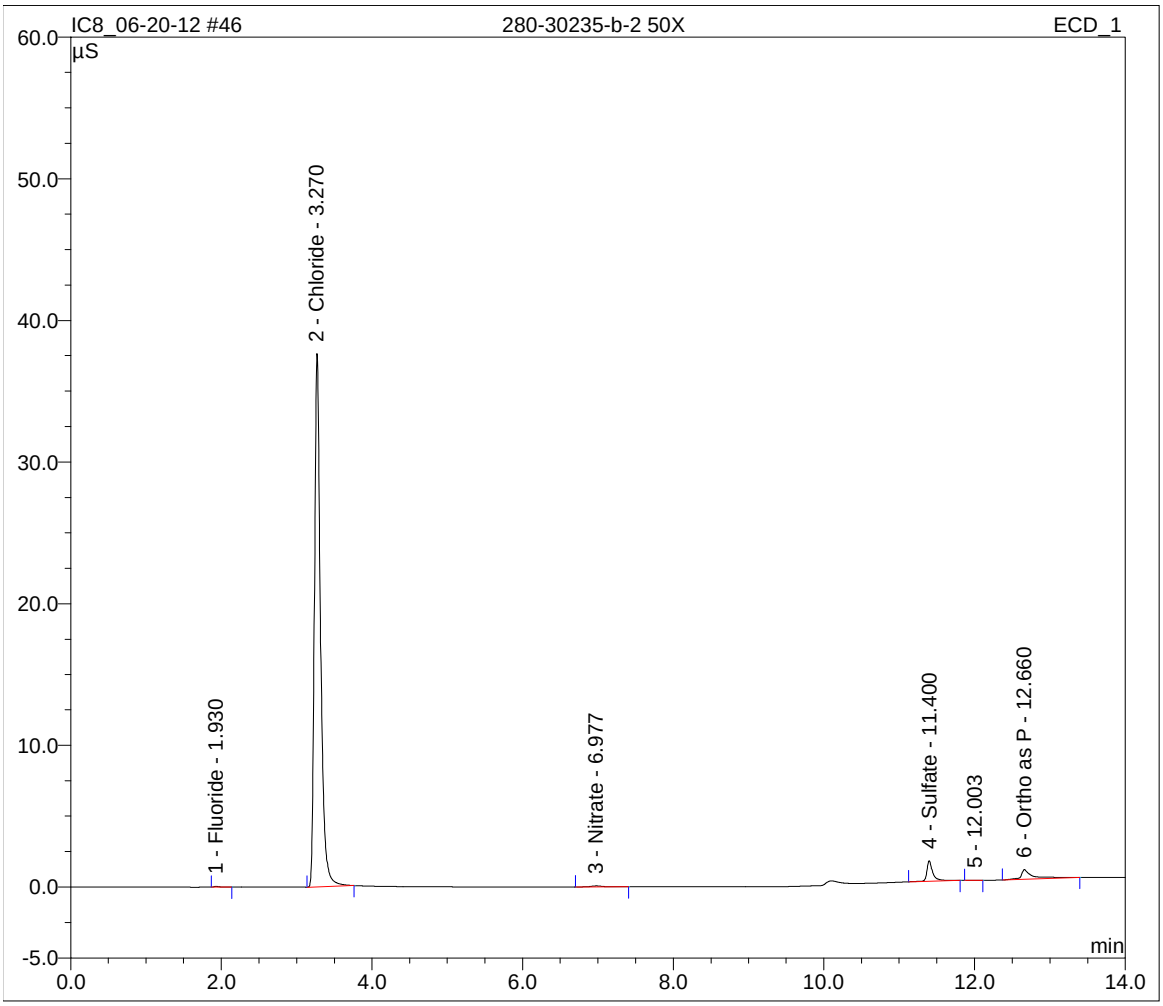
Sample Name:	**MSD 280-30235-f-1 50X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 20:22**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.171	13.682	250.2718
2	3.27	Chloride	BMB	7.154	75.272	2623.9401
3	3.82	Nitrite	bMB	1.785	14.658	244.3392
4	6.25	Bromide	BMB	0.301	2.094	263.1148
5	6.86	Nitrate	BMB	1.830	9.428	266.4641
6	11.35	Sulfate	BMB	2.972	29.834	1380.2418
8	12.63	Ortho as P	BMB	1.089	12.002	257.2319
		TOTAL:		16.30	156.97	5285.60



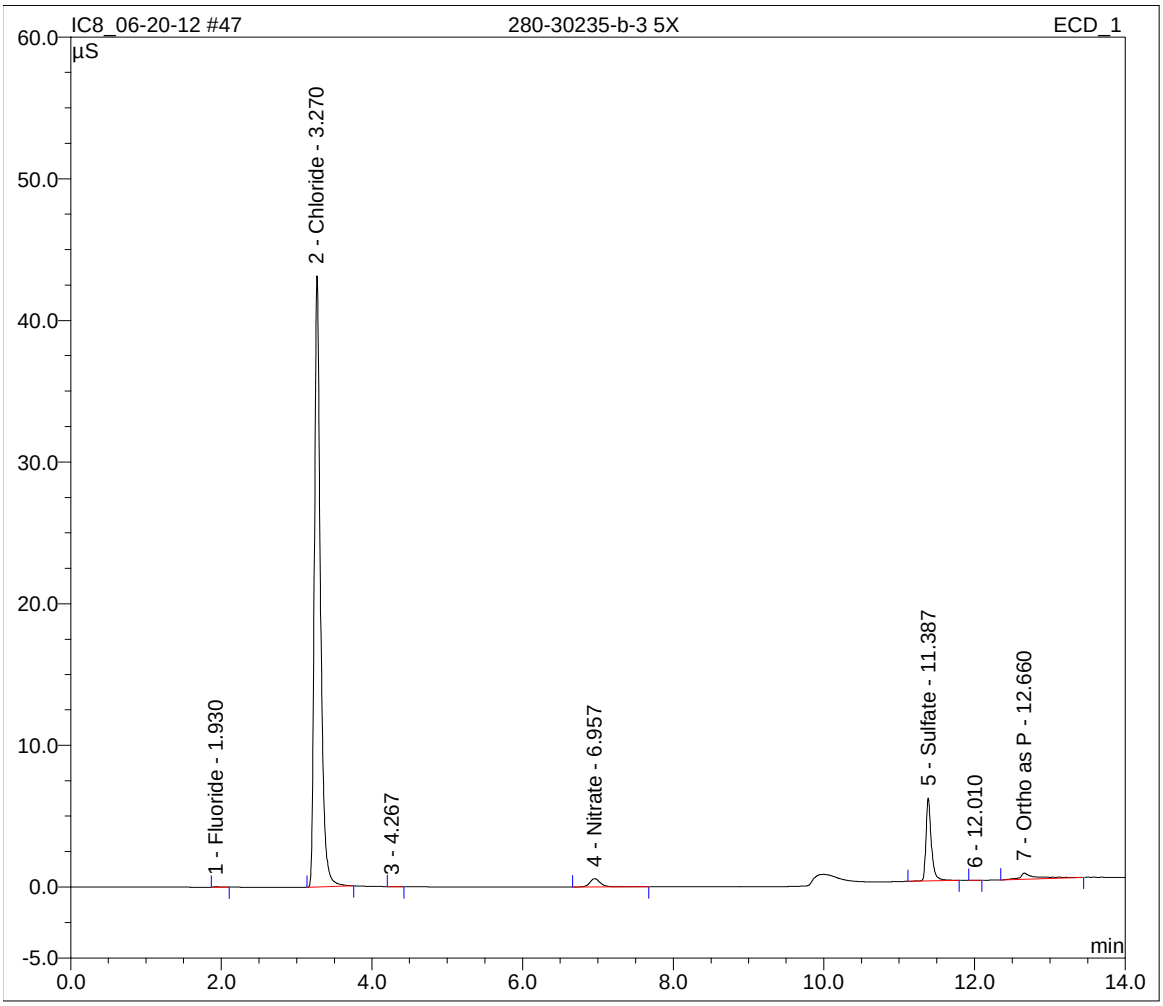
Sample Name:	**280-30235-b-2 50X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 20:39**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.004	0.055	-0.2131
2	3.27	Chloride	BMB	3.570	37.628	1310.9222
3	6.98	Nitrate	BMB	0.012	0.069	3.4529
4	11.40	Sulfate	BMB	0.132	1.452	47.3167
6	12.66	Ortho as P	BMB	0.125	0.684	1.8161
		TOTAL:		3.84	39.89	1363.29



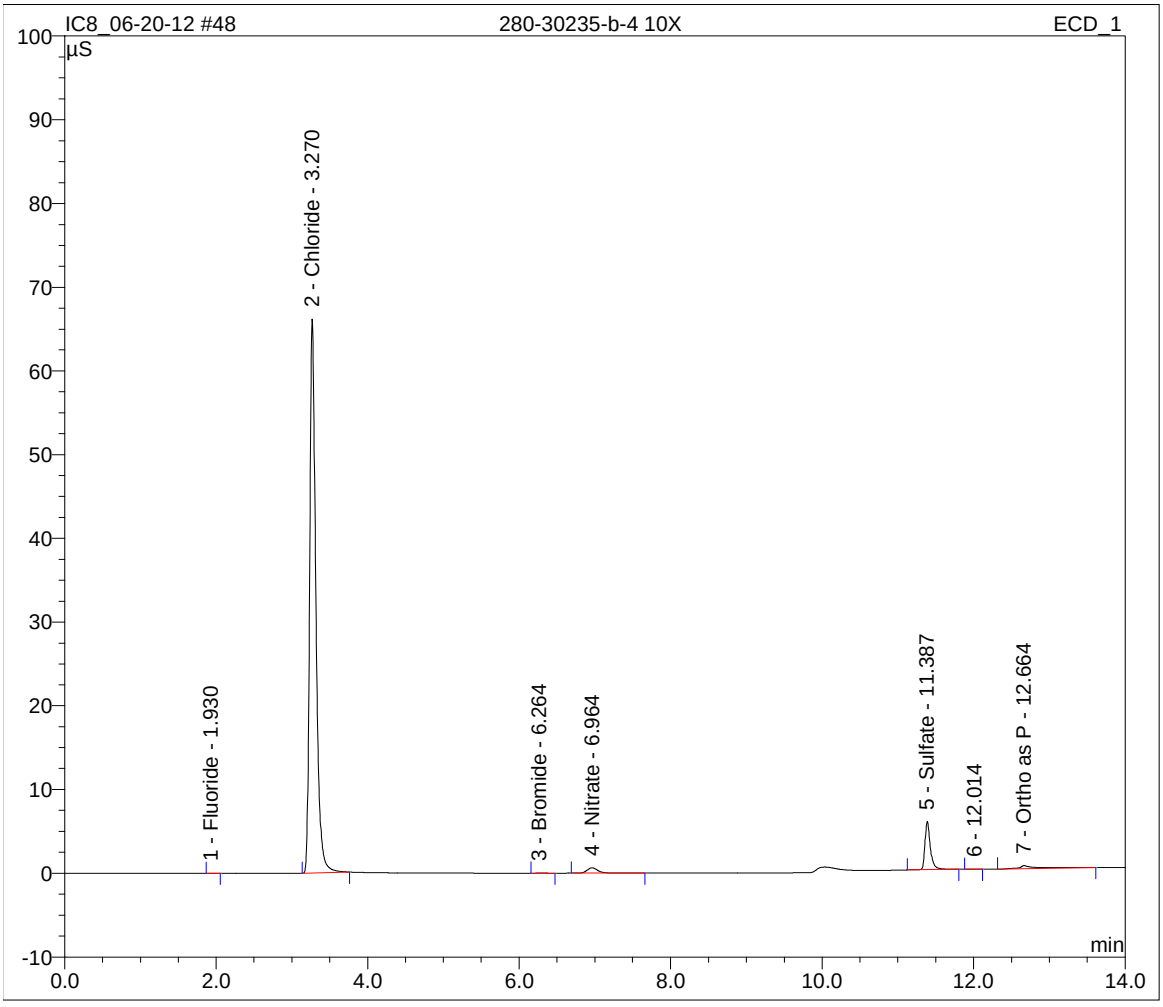
Sample Name:	**280-30235-b-3 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 20:56**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.002	0.032	-0.0609
2	3.27	Chloride	BMB	4.080	43.147	149.7739
4	6.96	Nitrate	BMB	0.095	0.580	1.5421
5	11.39	Sulfate	BMB	0.479	5.842	21.0361
7	12.66	Ortho as P	BMB	0.102	0.433	-0.4272
		TOTAL:		4.76	50.03	171.86



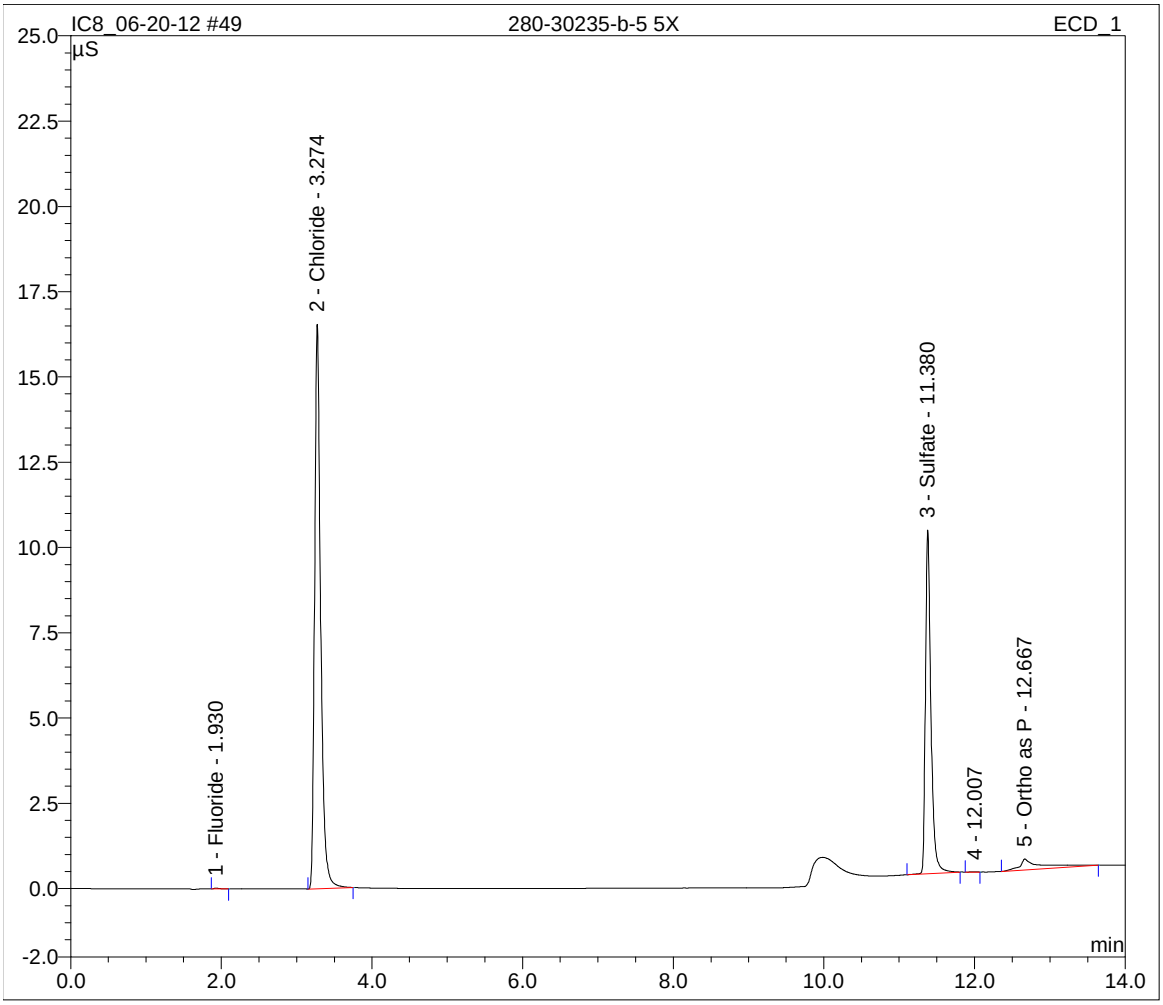
Sample Name:	**280-30235-b-4 10X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**10.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 21:13**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.001	0.013	-0.1845
2	3.27	Chloride	BMB	6.309	66.210	462.9006
3	6.26	Bromide	BMB	0.001	0.004	0.5745
4	6.96	Nitrate	BMB	0.104	0.636	3.3696
5	11.39	Sulfate	BMB	0.476	5.746	41.7694
7	12.66	Ortho as P	BMB	0.107	0.359	-0.5773
		TOTAL:		7.00	72.97	507.85



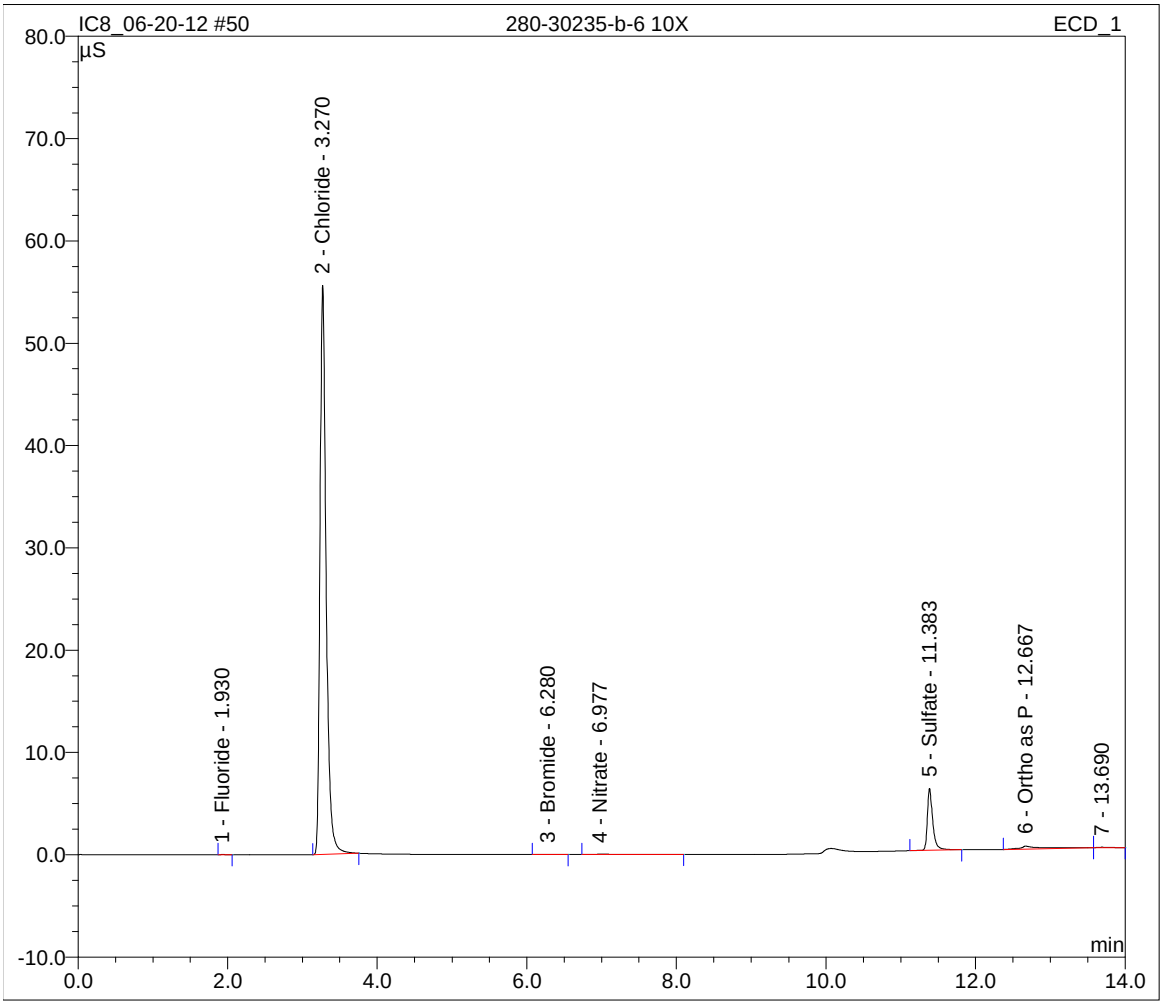
Sample Name:	**280-30235-b-5 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 21:29**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.002	0.023	-0.0738
2	3.27	Chloride	BMB	1.552	16.553	57.1630
3	11.38	Sulfate	BMB	0.850	10.077	38.4369
5	12.67	Ortho as P	BMB	0.107	0.324	-0.2877
TOTAL:				2.51	26.98	95.24



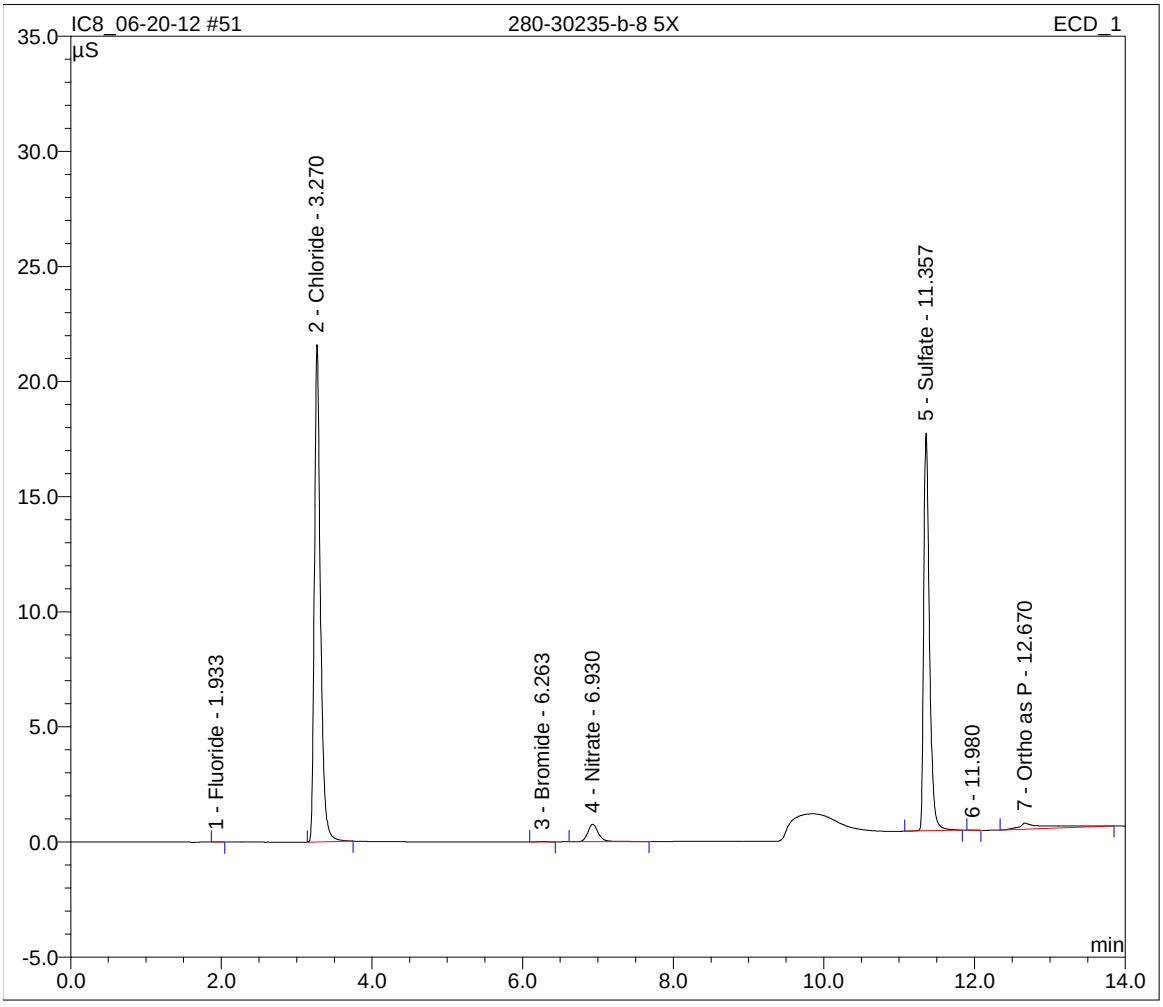
Sample Name:	**280-30235-b-6 10X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**10.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 21:46**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.001	0.016	-0.1741
2	3.27	Chloride	BMB	5.294	55.619	388.5128
3	6.28	Bromide	BMB	0.003	0.021	1.0176
4	6.98	Nitrate	BMB	0.012	0.031	0.7034
5	11.38	Sulfate	BMB	0.509	6.033	44.8693
6	12.67	Ortho as P	BMB	0.098	0.296	-1.0404
		TOTAL:		5.92	62.02	433.89



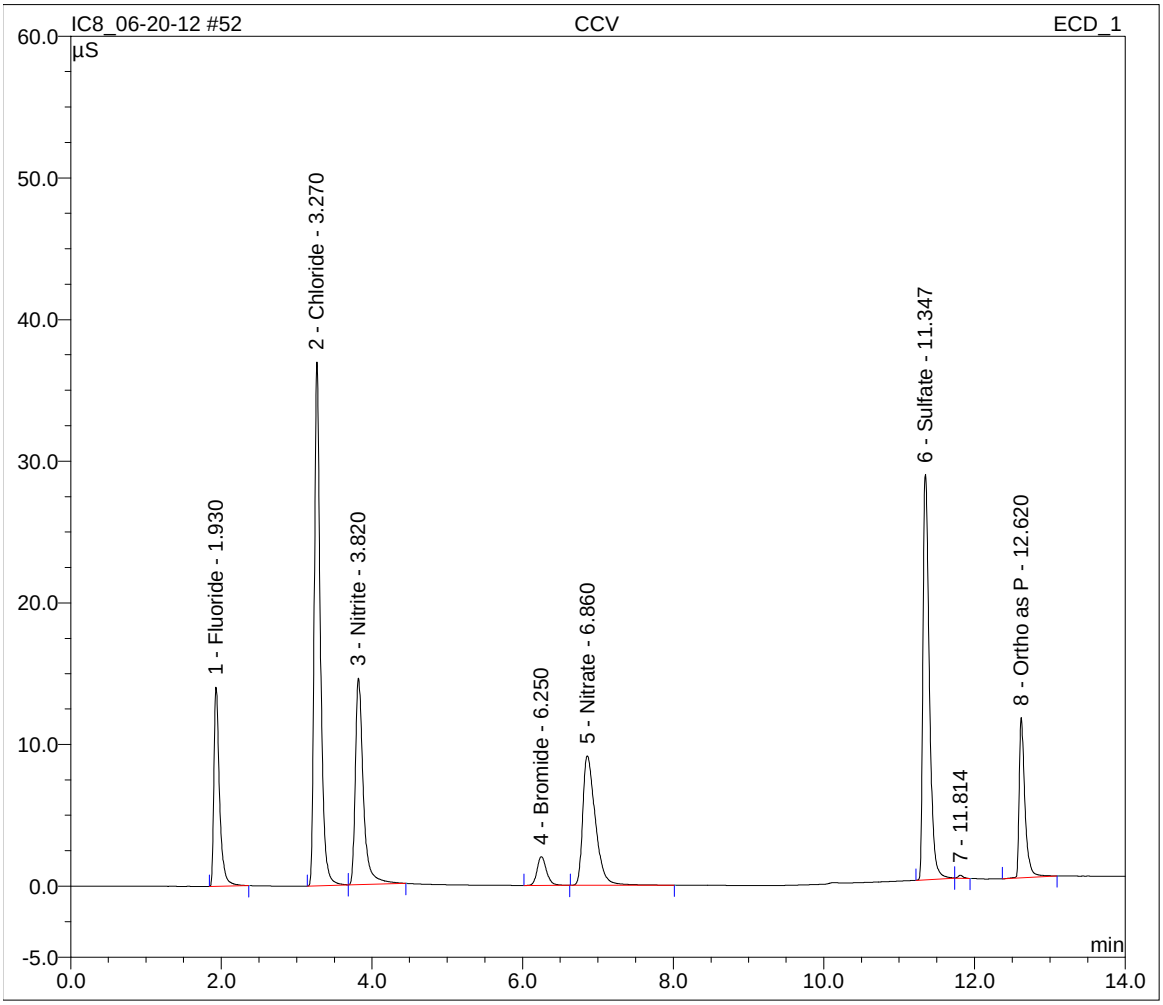
Sample Name:	**280-30235-b-8 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 22:03**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.001	0.008	-0.0988
2	3.27	Chloride	BMB	2.026	21.607	74.5393
3	6.26	Bromide	BMB	0.001	0.008	0.3292
4	6.93	Nitrate	BMB	0.124	0.758	1.9626
5	11.36	Sulfate	BMB	1.529	17.283	70.2935
7	12.67	Ortho as P	BMB	0.114	0.268	-0.0946
		TOTAL:		3.79	39.93	146.93



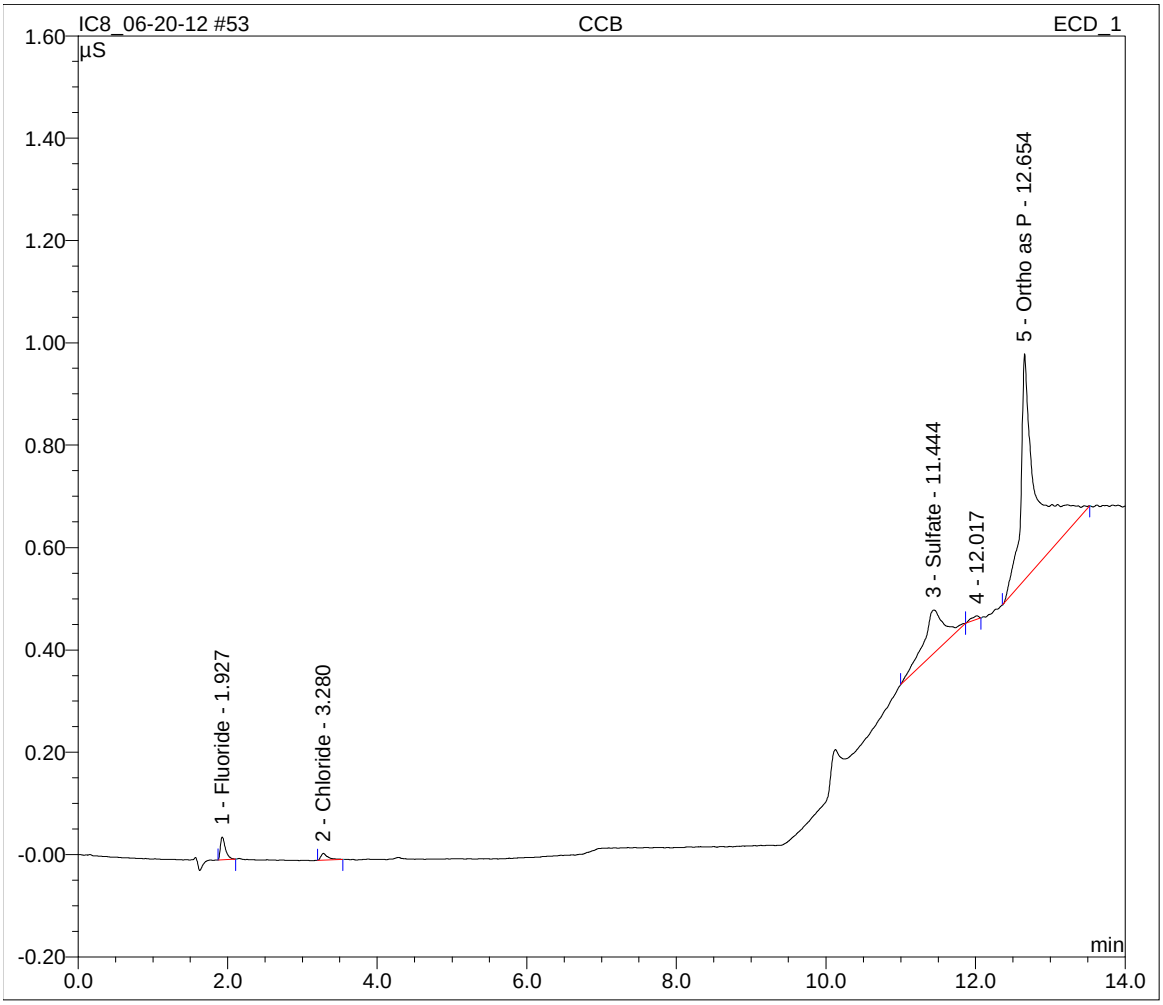
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 22:20**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.203	14.052	5.1433
2	3.27	Chloride	BMB	3.490	36.978	25.6314
3	3.82	Nitrite	bMB	1.787	14.582	4.8930
4	6.25	Bromide	BMB	0.291	2.022	5.0844
5	6.86	Nitrate	BMB	1.763	9.120	5.1356
6	11.35	Sulfate	BMb	2.819	28.620	26.1643
8	12.62	Ortho as P	BMB	0.993	11.309	4.6326
		TOTAL:		12.35	116.68	76.68



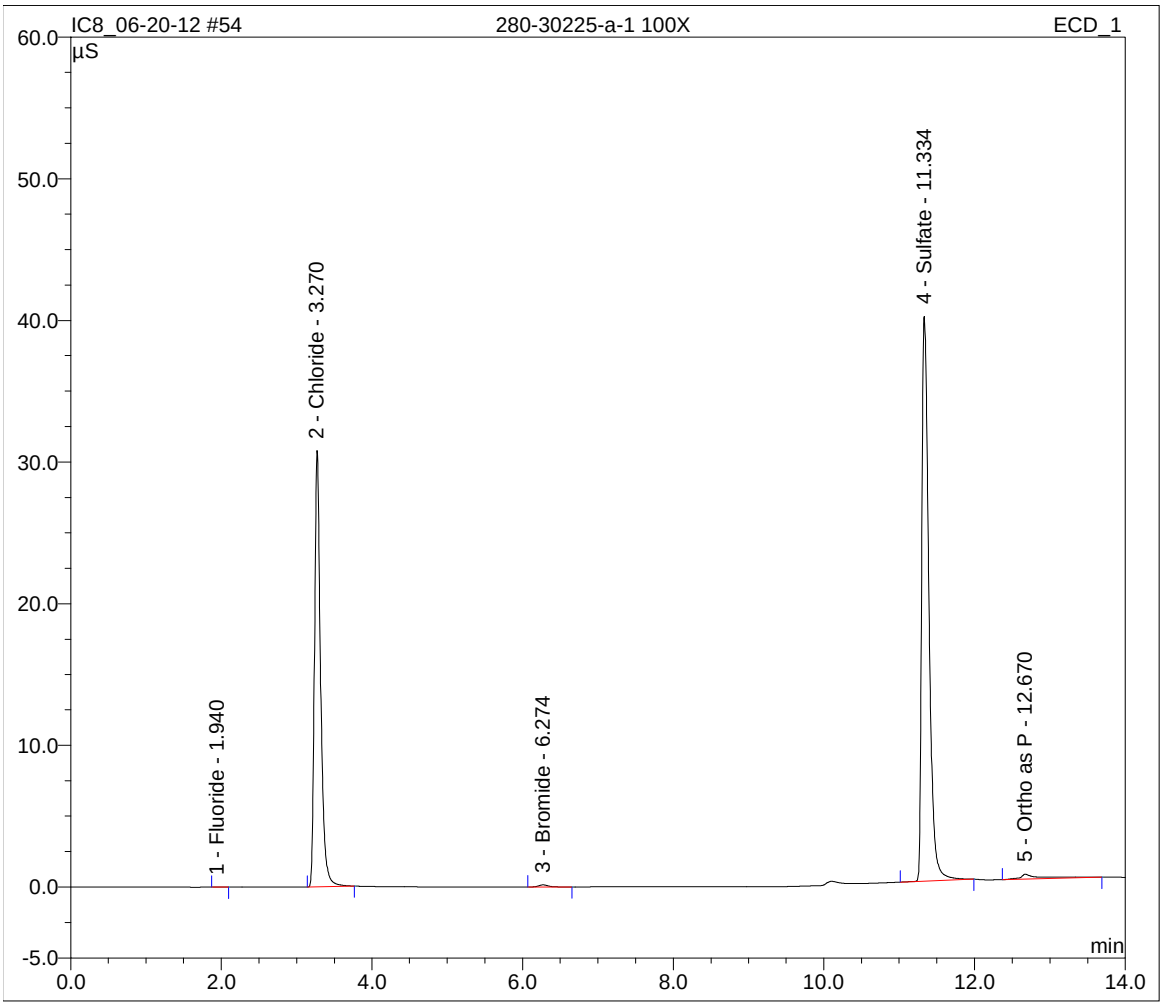
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 22:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.003	0.045	-0.0079
2	3.28	Chloride	BMB	0.001	0.013	0.0761
3	11.44	Sulfate	BMb	0.027	0.084	-0.0375
5	12.65	Ortho as P	BMB	0.111	0.442	-0.0387
		TOTAL:		0.14	0.58	-0.01



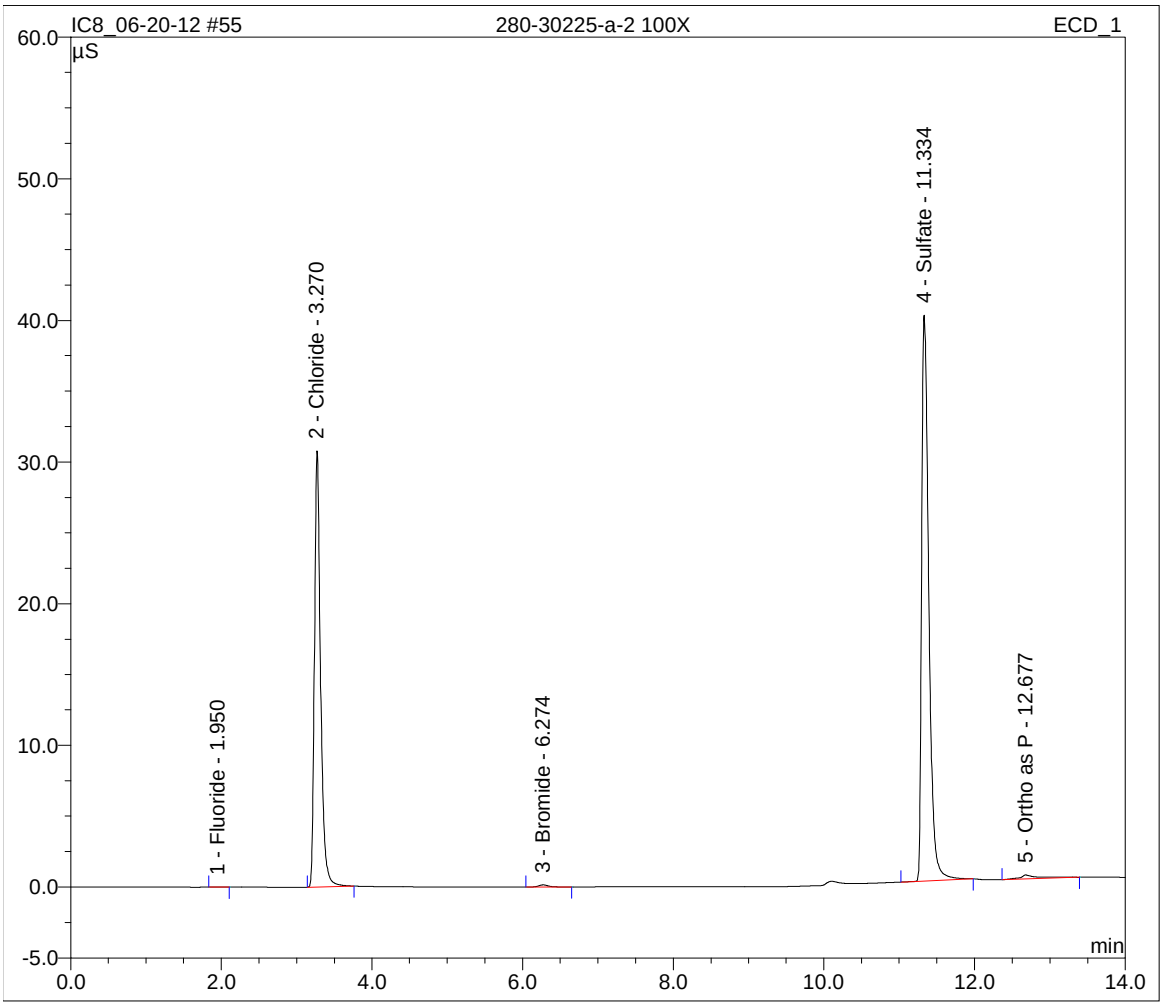
Sample Name:	**280-30225-a-1 100X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**100.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 22:53**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	0.001	0.014	-1.7022
2	3.27	Chloride	BMB	2.912	30.800	2140.0418
3	6.27	Bromide	BMB	0.022	0.149	42.3544
4	11.33	Sulfate	BMB	4.420	39.883	4119.2367
5	12.67	Ortho as P	BMB	0.113	0.356	-2.7028
		TOTAL:		7.47	71.20	6297.23



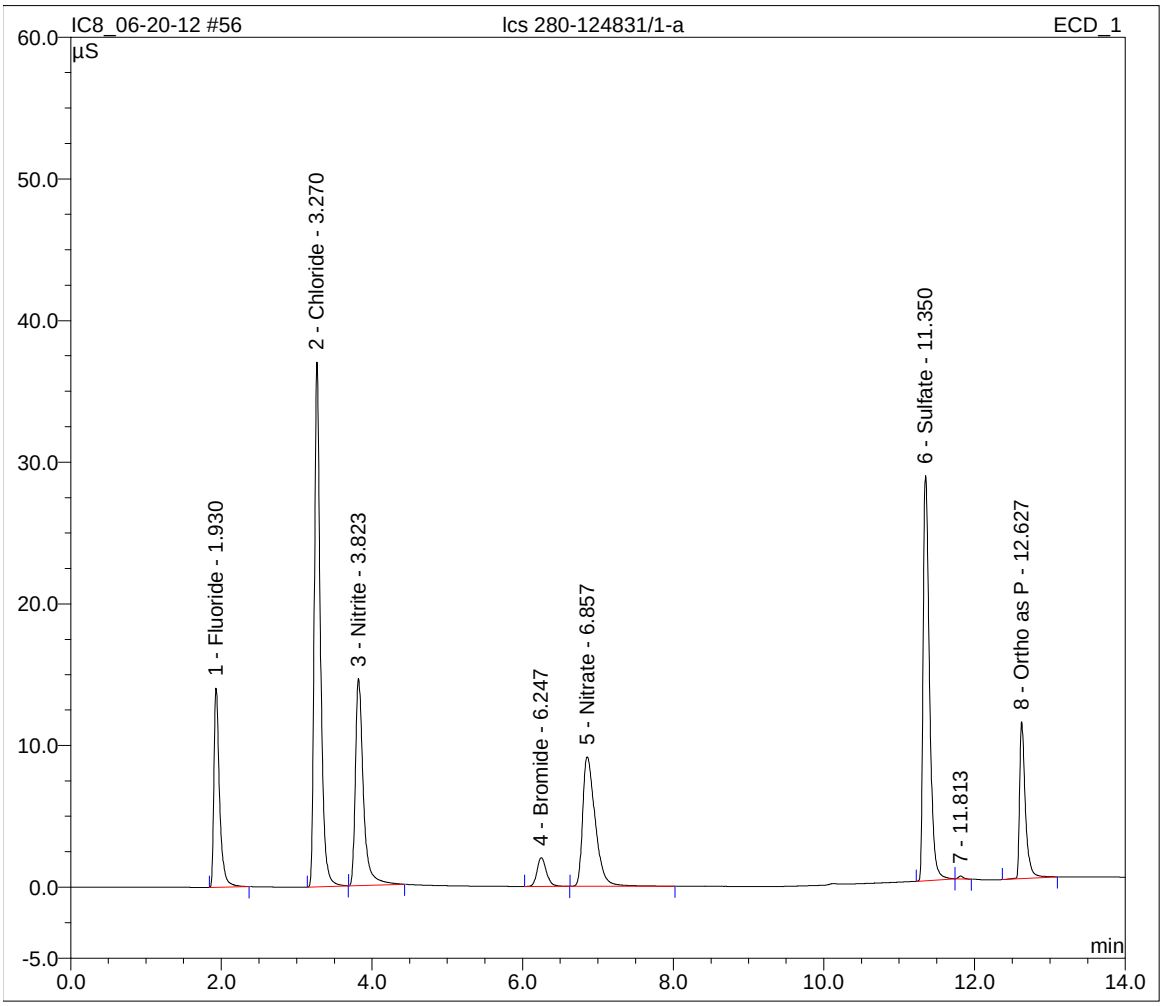
Sample Name:	**280-30225-a-2 100X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**100.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 23:10**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.95	Fluoride	BMB	0.001	0.010	-1.8484
2	3.27	Chloride	BMB	2.912	30.781	2140.2038
3	6.27	Bromide	BMB	0.022	0.149	42.3423
4	11.33	Sulfate	BMB	4.434	39.956	4132.2947
5	12.68	Ortho as P	BMB	0.081	0.282	-19.5646
		TOTAL:		7.45	71.18	6293.43



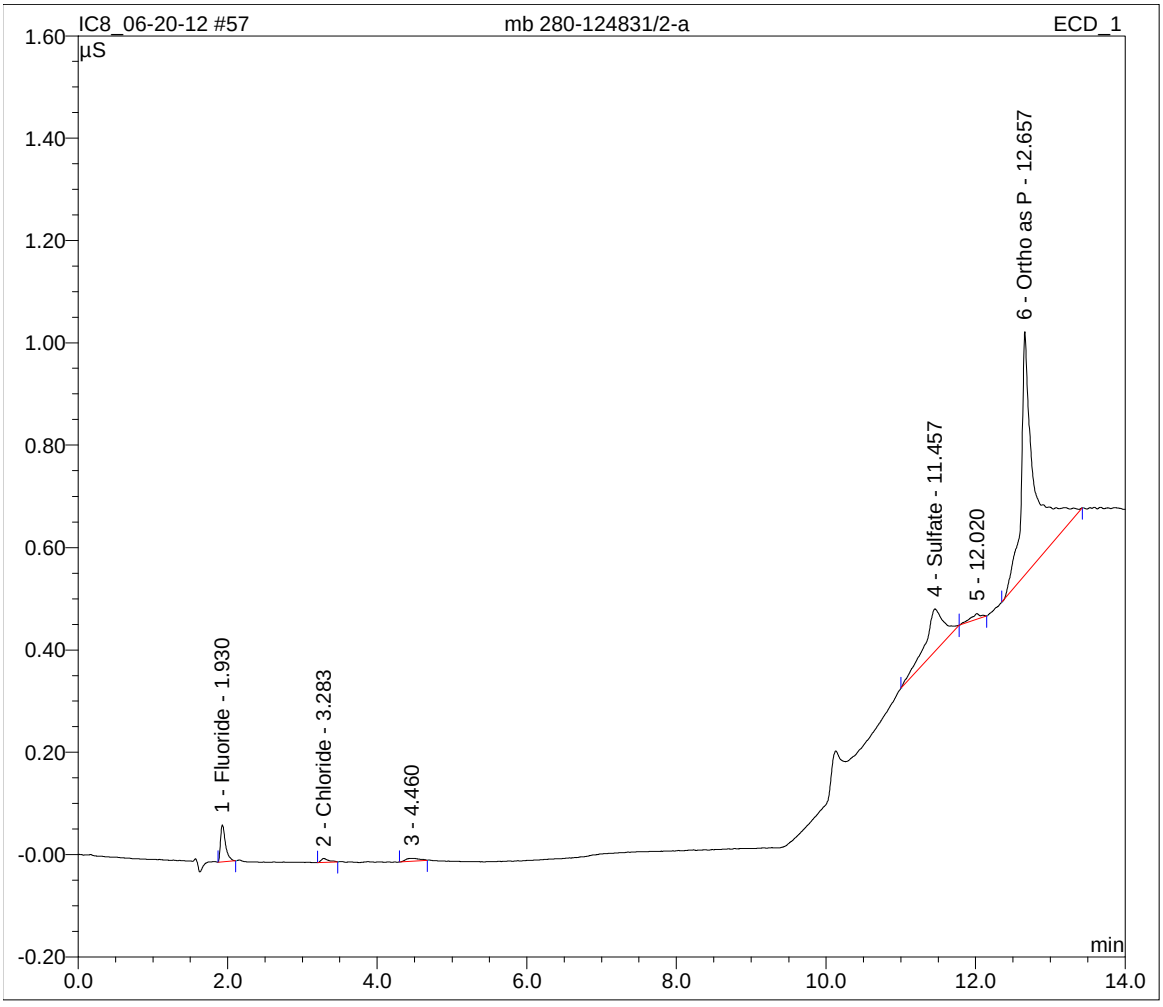
Sample Name:	**lcs 280-124831/1-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 23:27**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.205	14.056	5.1511
2	3.27	Chloride	BMB	3.493	37.037	25.6561
3	3.82	Nitrite	BMB	1.788	14.611	4.8964
4	6.25	Bromide	BMB	0.291	2.023	5.0822
5	6.86	Nitrate	BMB	1.760	9.128	5.1281
6	11.35	Sulfate	BMb	2.806	28.582	26.0450
8	12.63	Ortho as P	BMB	0.974	11.073	4.5349
		TOTAL:		12.32	116.51	76.49



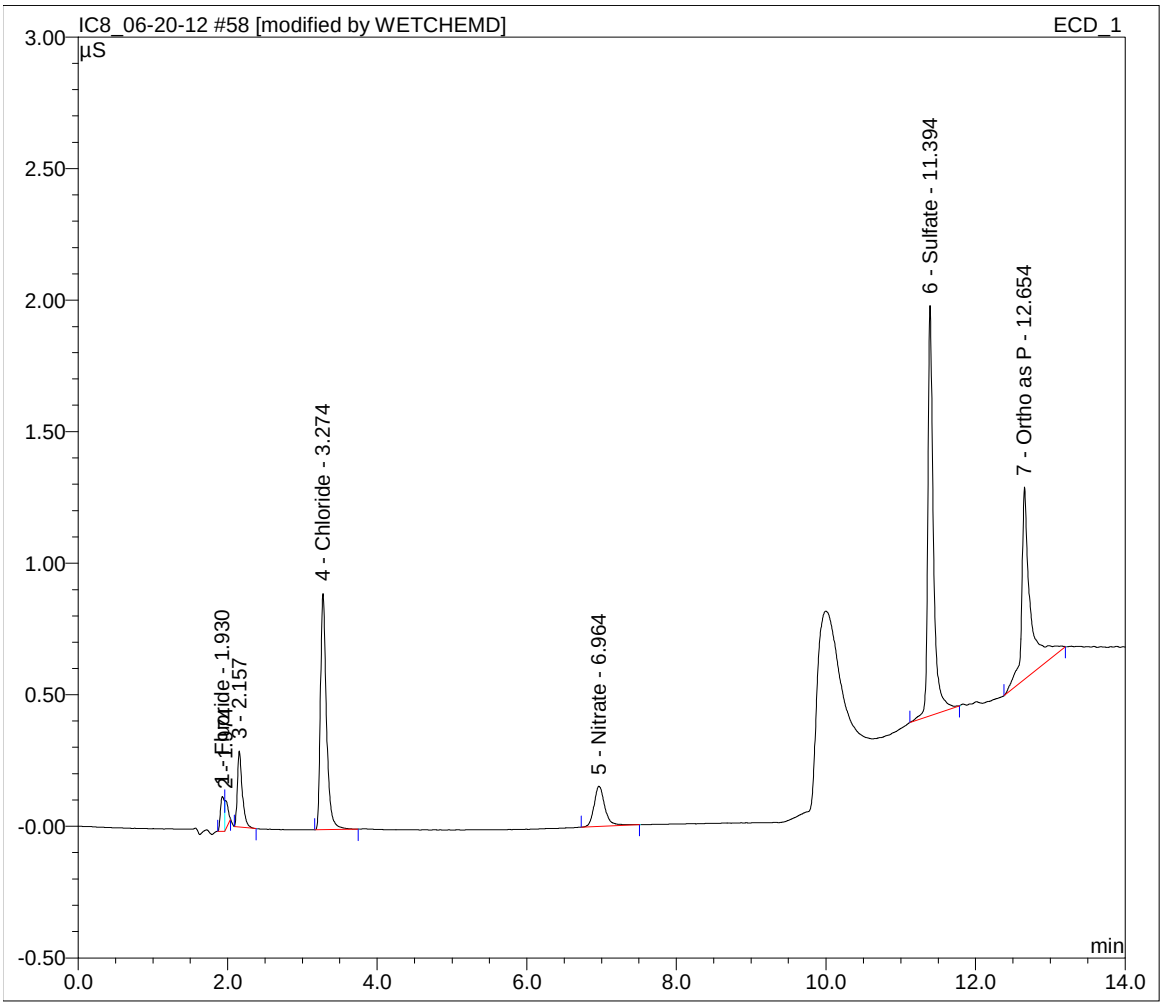
Sample Name:	**mb 280-124831/2-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**20.06.12 23:44**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.005	0.072	0.0009
2	3.28	Chloride	BMB	0.001	0.008	0.0714
4	11.46	Sulfate	BMB	0.024	0.083	-0.0690
6	12.66	Ortho as P	BMB	0.101	0.476	-0.0882
		TOTAL:		0.13	0.64	-0.08



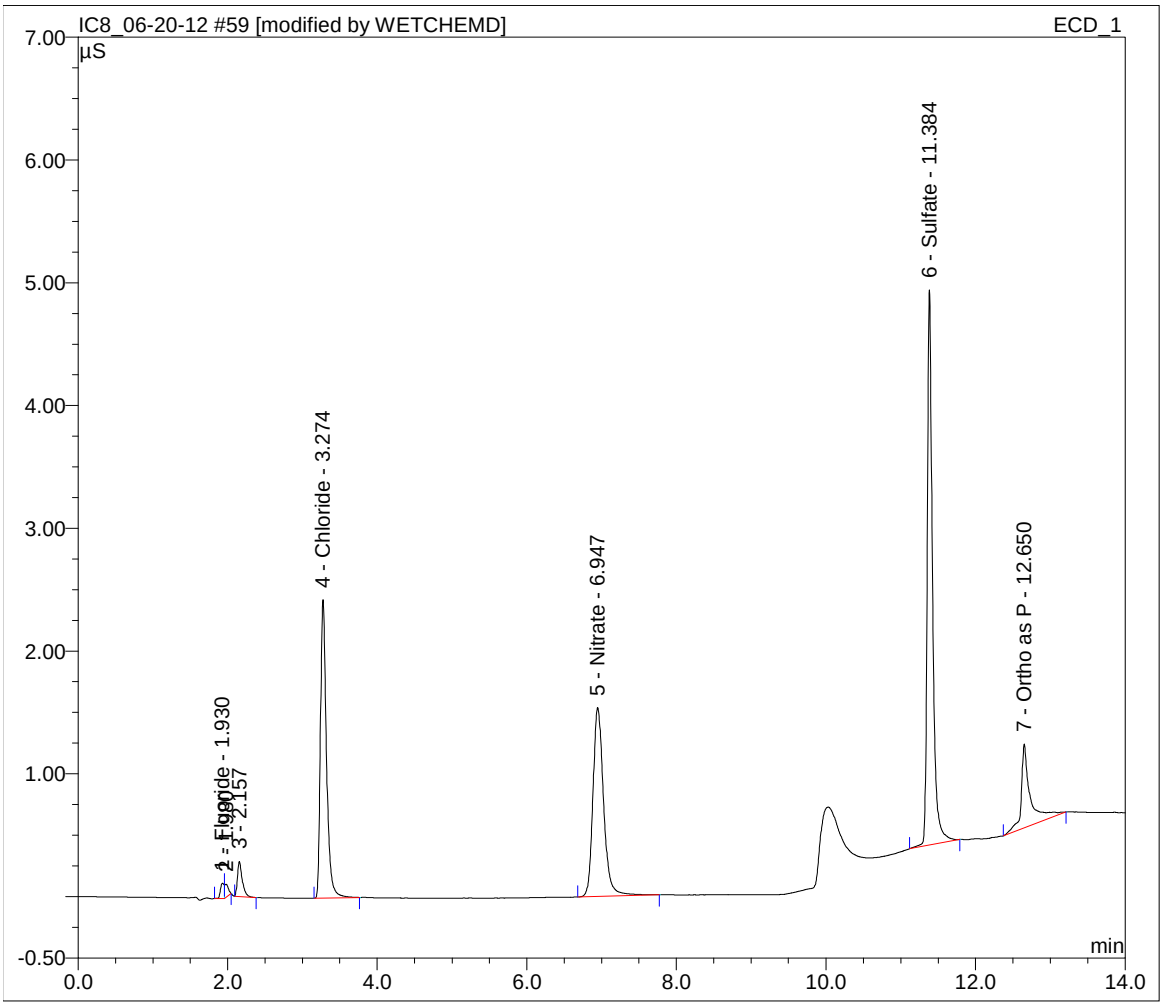
Sample Name:	**280-29825-b-1-g**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 00:01**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.008	0.133	0.0101
4	3.27	Chloride	BMB	0.084	0.898	0.6790
5	6.96	Nitrate	BMB	0.026	0.153	0.1088
6	11.39	Sulfate	BMB	0.134	1.559	0.9698
7	12.65	Ortho as P	BMB	0.101	0.731	-0.0906
		TOTAL:		0.35	3.47	1.68



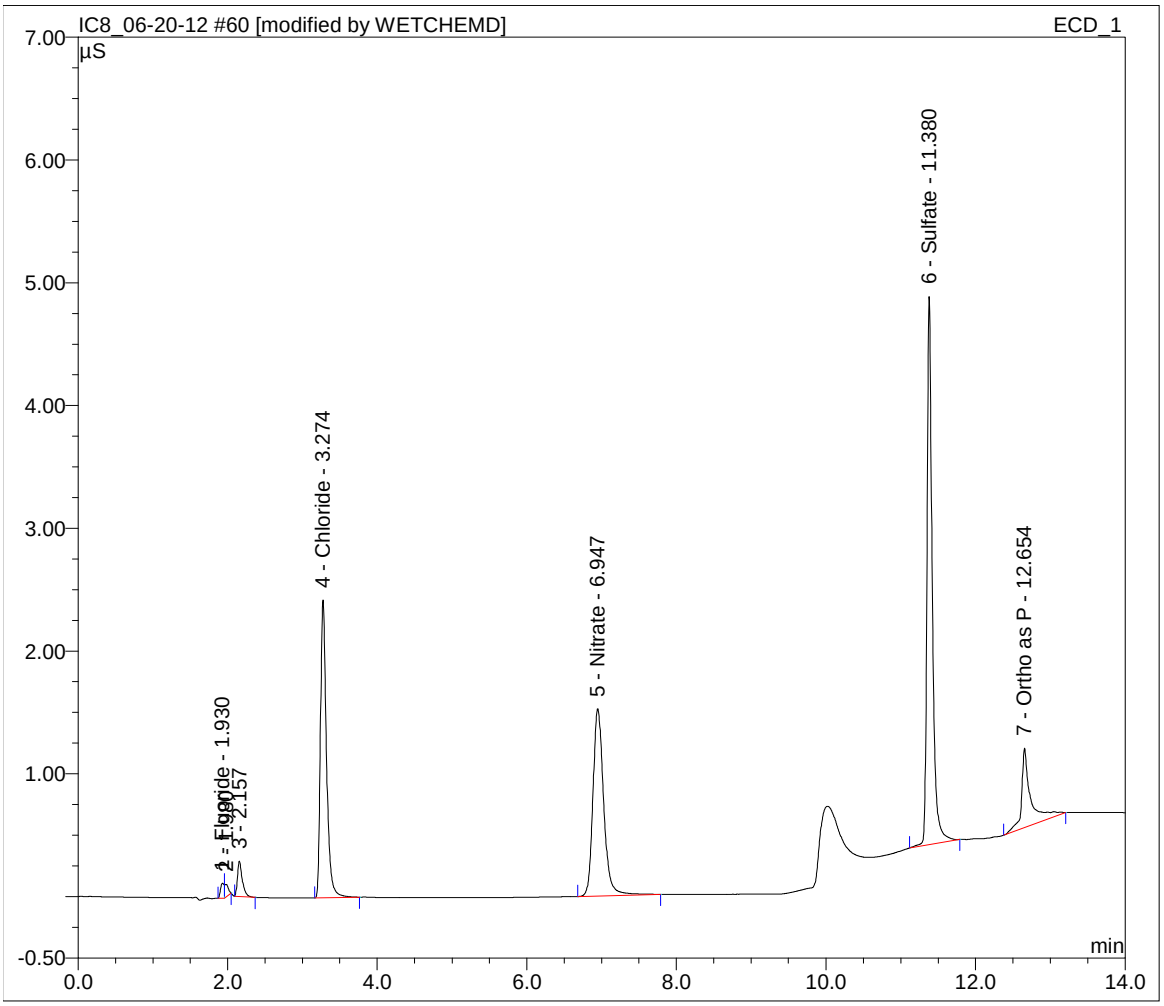
Sample Name:	**280-29825-b-2-d**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 00:17**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.007	0.124	0.0065
4	3.27	Chloride	BMB	0.228	2.431	1.7360
5	6.95	Nitrate	BMB	0.254	1.537	0.7698
6	11.38	Sulfate	BMB	0.373	4.522	3.2061
7	12.65	Ortho as P	BMB	0.096	0.682	-0.1160
		TOTAL:		0.96	9.30	5.60



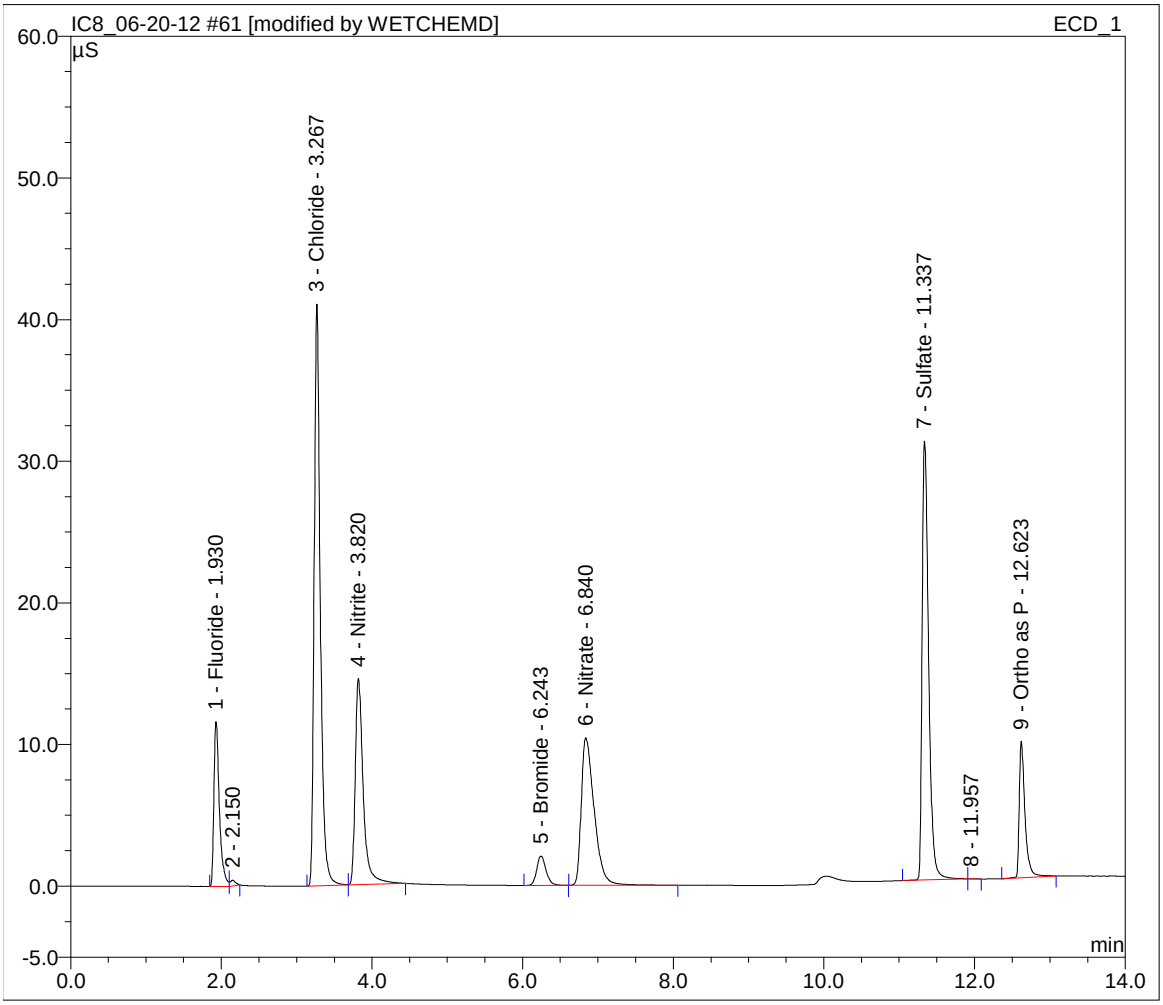
Sample Name:	**280-29825-b-2-e du**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 00:34**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.007	0.122	0.0054
4	3.27	Chloride	BMB	0.228	2.427	1.7338
5	6.95	Nitrate	BMB	0.254	1.525	0.7686
6	11.38	Sulfate	BMB	0.367	4.465	3.1482
7	12.65	Ortho as P	BMB	0.093	0.647	-0.1340
		TOTAL:		0.95	9.19	5.52



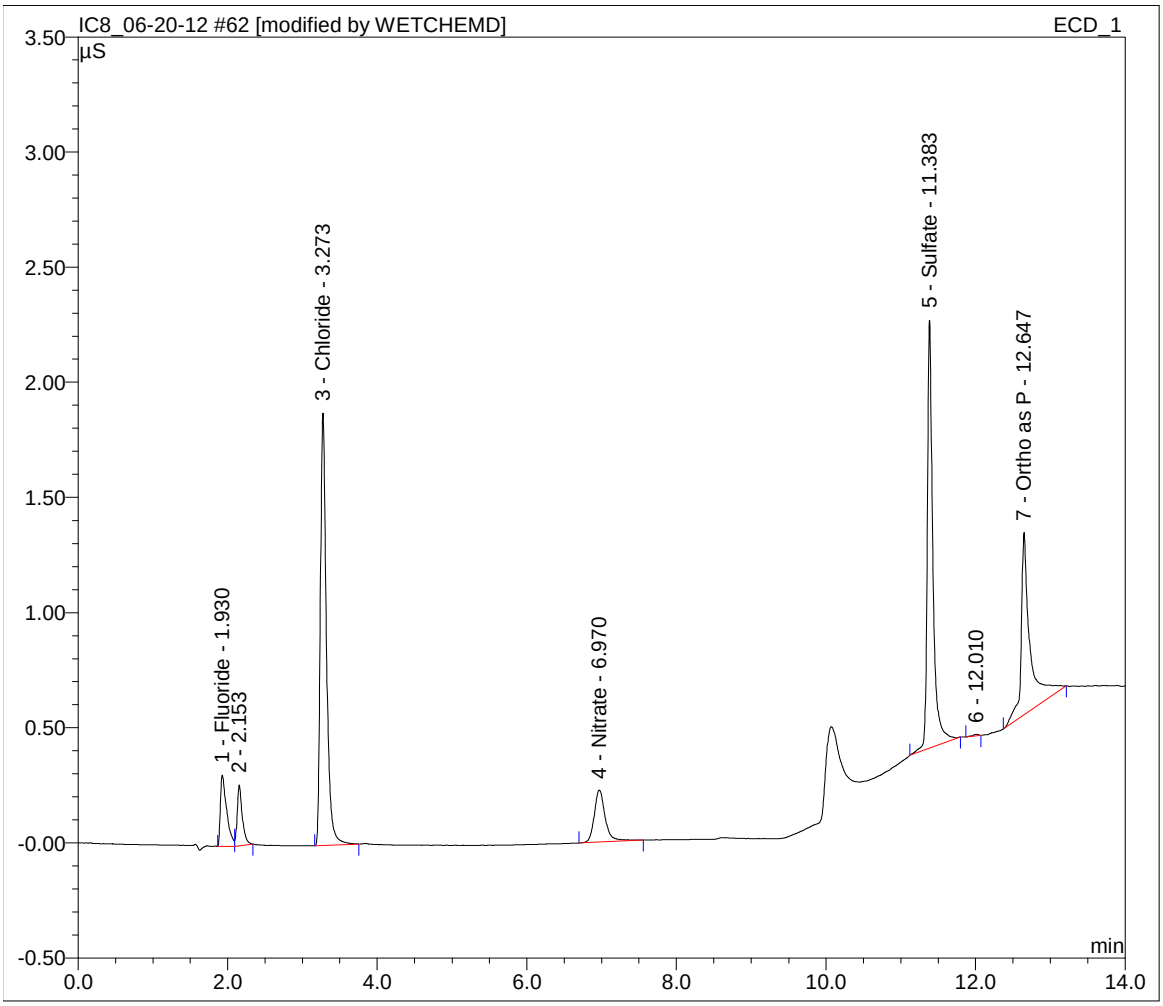
Sample Name:	**280-29825-b-2-f ms**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 00:51**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.972	11.620	4.1502
3	3.27	Chloride	BMb*	3.880	41.080	28.4879
4	3.82	Nitrite	bMB	1.779	14.551	4.8702
5	6.24	Bromide	BMB	0.297	2.068	5.1855
6	6.84	Nitrate	BMB	2.066	10.404	6.0125
7	11.34	Sulfate	BMb	3.108	30.979	28.8778
9	12.62	Ortho as P	BMB	0.845	9.623	3.8510
		TOTAL:		12.95	120.33	81.43



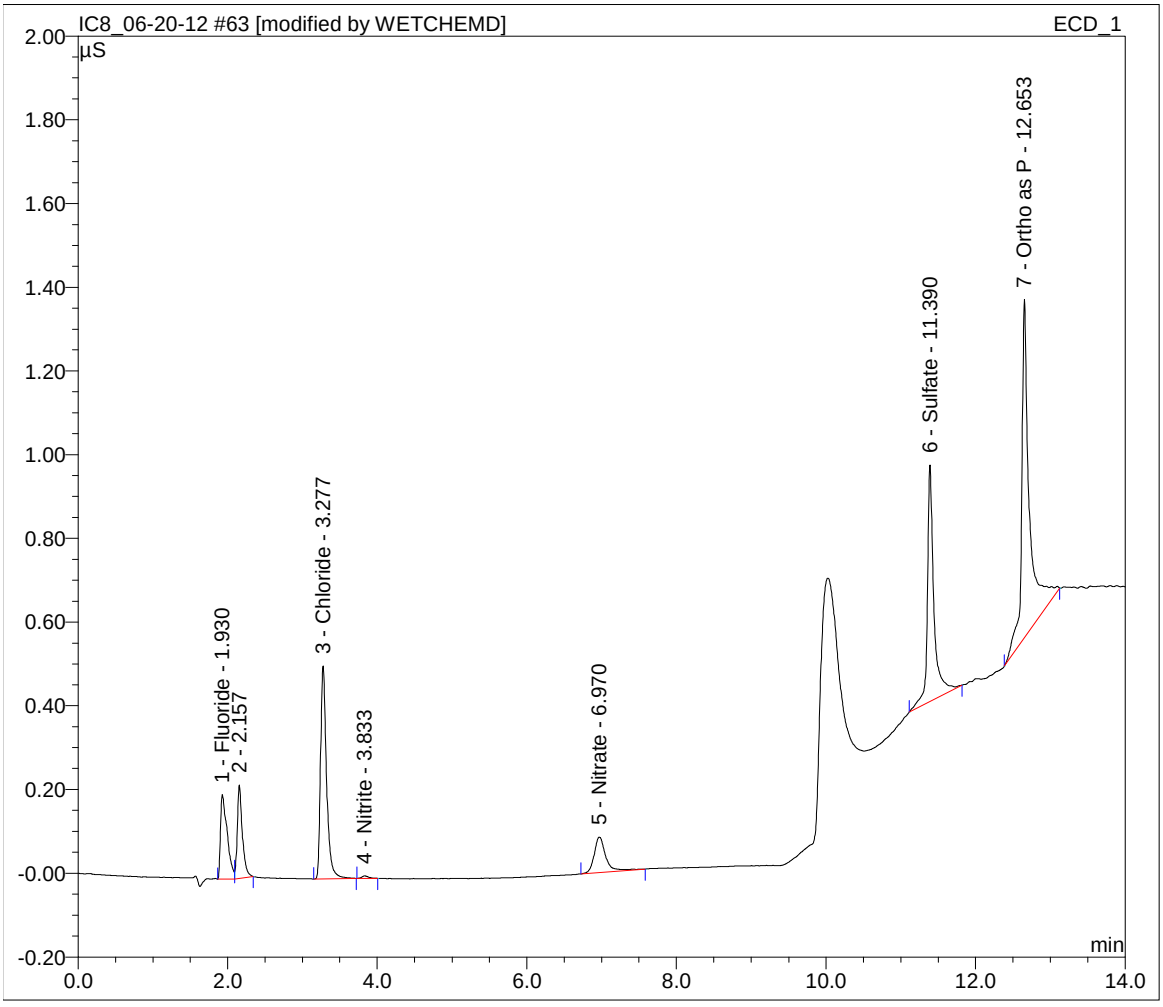
Sample Name:	**280-29825-b-3-d**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 01:08**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.030	0.311	0.1067
3	3.27	Chloride	BMB	0.177	1.879	1.3613
4	6.97	Nitrate	BMB	0.038	0.225	0.1445
5	11.38	Sulfate	BMB	0.161	1.859	1.2218
7	12.65	Ortho as P	BMB	0.110	0.793	-0.0430
		TOTAL:		0.52	5.07	2.79



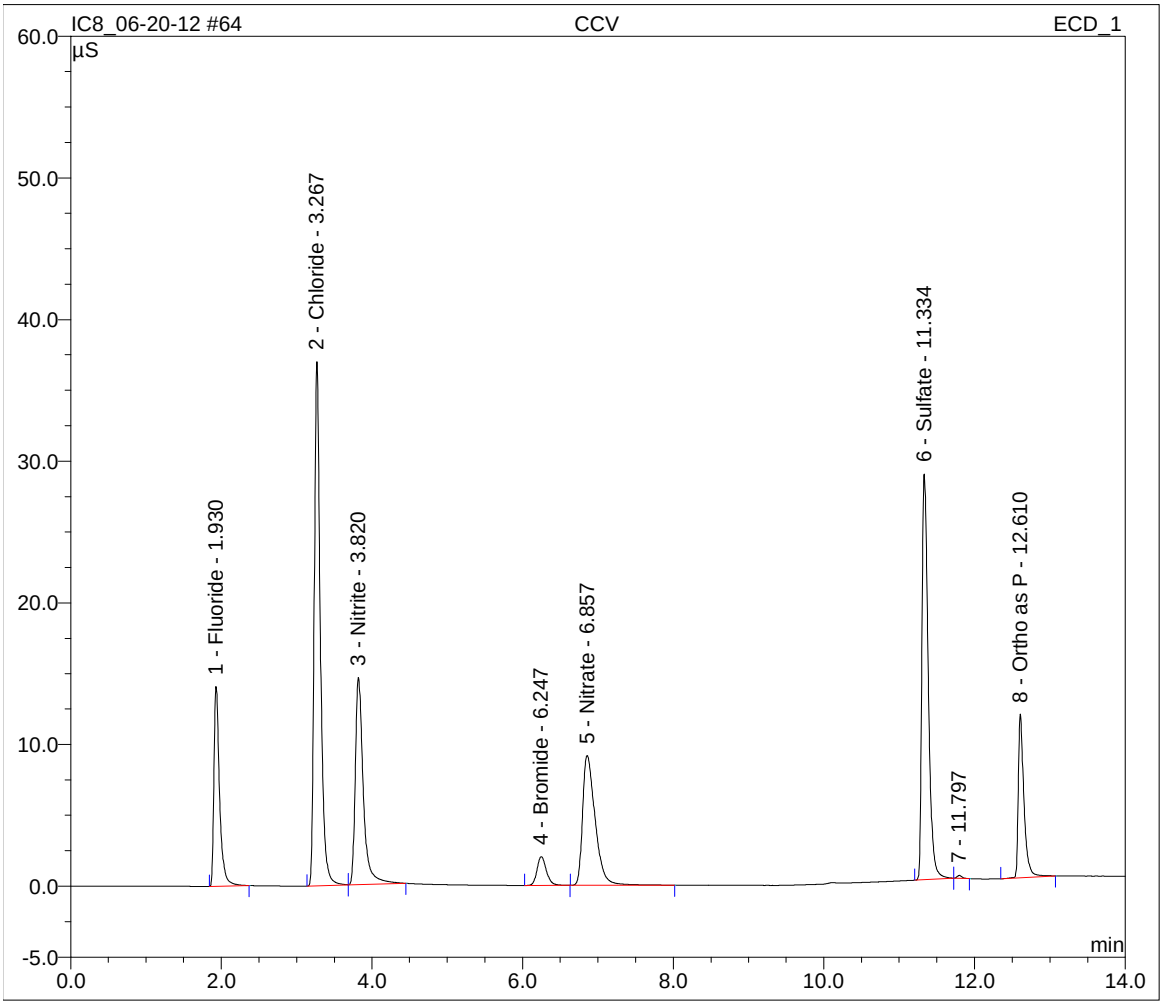
Sample Name:	**280-29825-b-4-g**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 01:25**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.021	0.202	0.0672
3	3.28	Chloride	BMB	0.048	0.509	0.4133
4	3.83	Nitrite	BMB	0.001	0.006	0.0347
5	6.97	Nitrate	BMB	0.015	0.085	0.0783
6	11.39	Sulfate	BMB	0.057	0.565	0.2430
7	12.65	Ortho as P	BMB	0.098	0.808	-0.1063
		TOTAL:		0.24	2.17	0.73



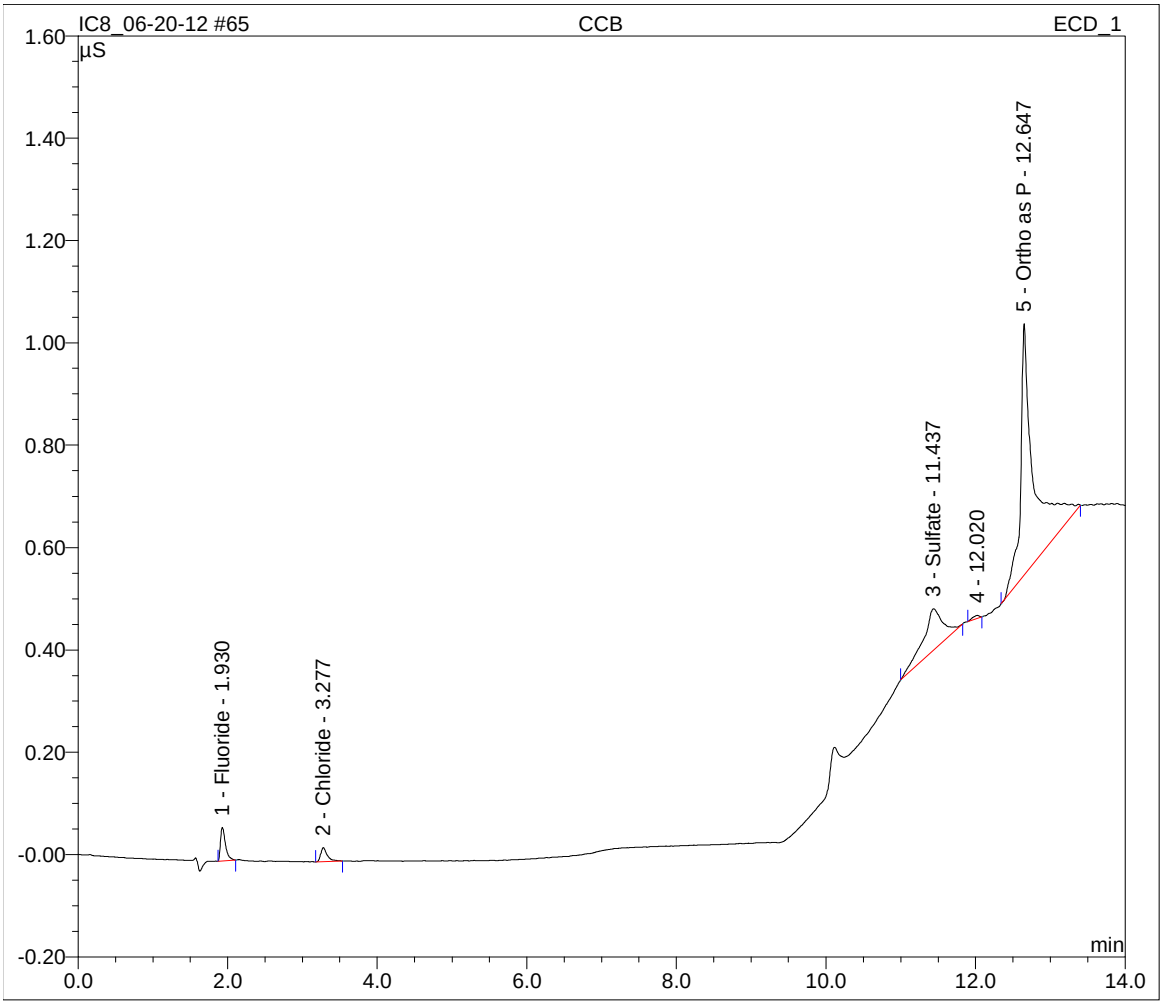
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 01:41**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.212	14.094	5.1824
2	3.27	Chloride	BMB	3.501	36.997	25.7115
3	3.82	Nitrite	bMB	1.791	14.610	4.9042
4	6.25	Bromide	BMB	0.292	2.023	5.0948
5	6.86	Nitrate	BMB	1.767	9.144	5.1486
6	11.33	Sulfate	BMb	2.817	28.642	26.1449
8	12.61	Ortho as P	BMB	1.010	11.547	4.7256
		TOTAL:		12.39	117.06	76.91



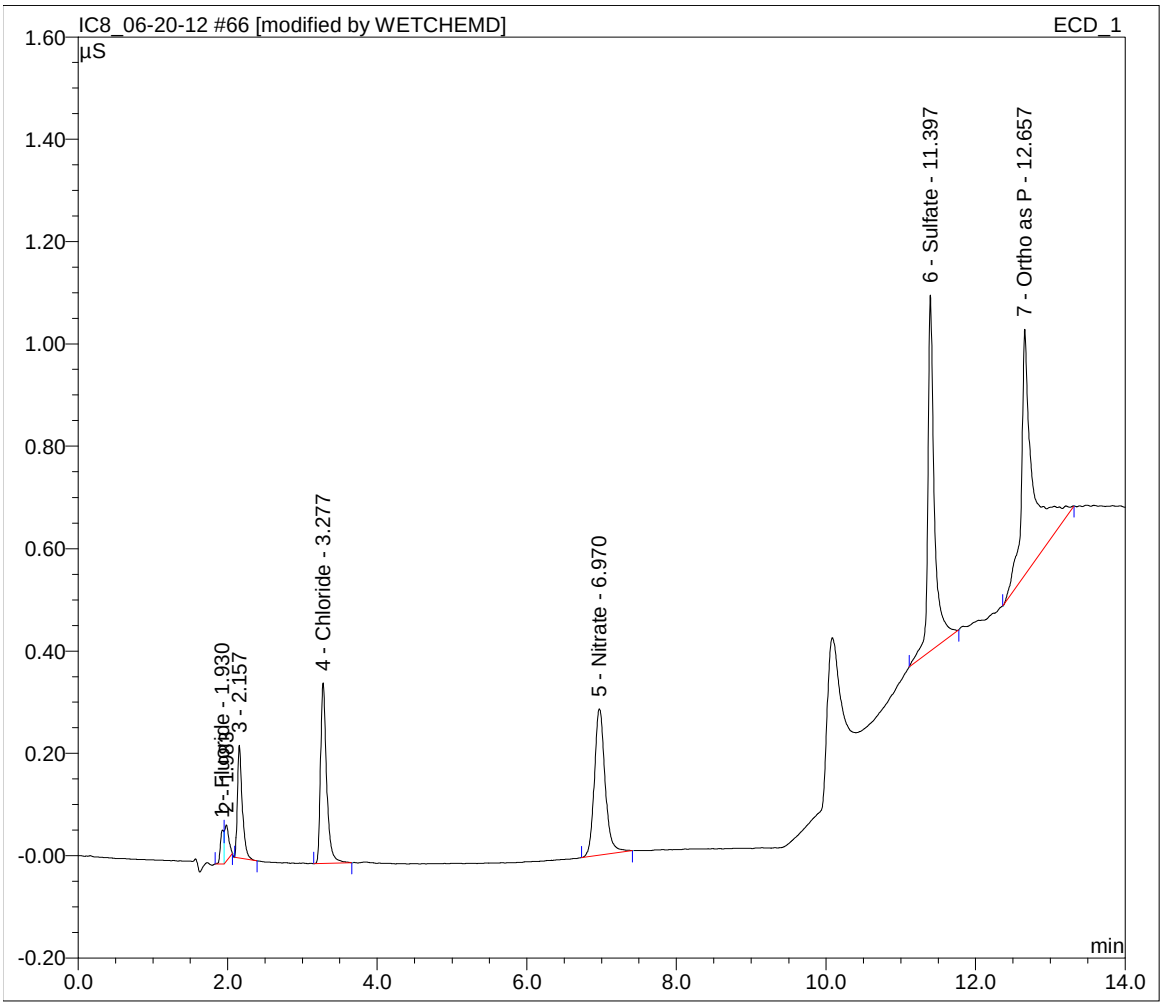
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 01:58**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.005	0.066	-0.0011
2	3.28	Chloride	BMB	0.003	0.027	0.0855
3	11.44	Sulfate	BMB	0.025	0.081	-0.0586
5	12.65	Ortho as P	BMB	0.104	0.492	-0.0757
		TOTAL:		0.14	0.67	-0.05



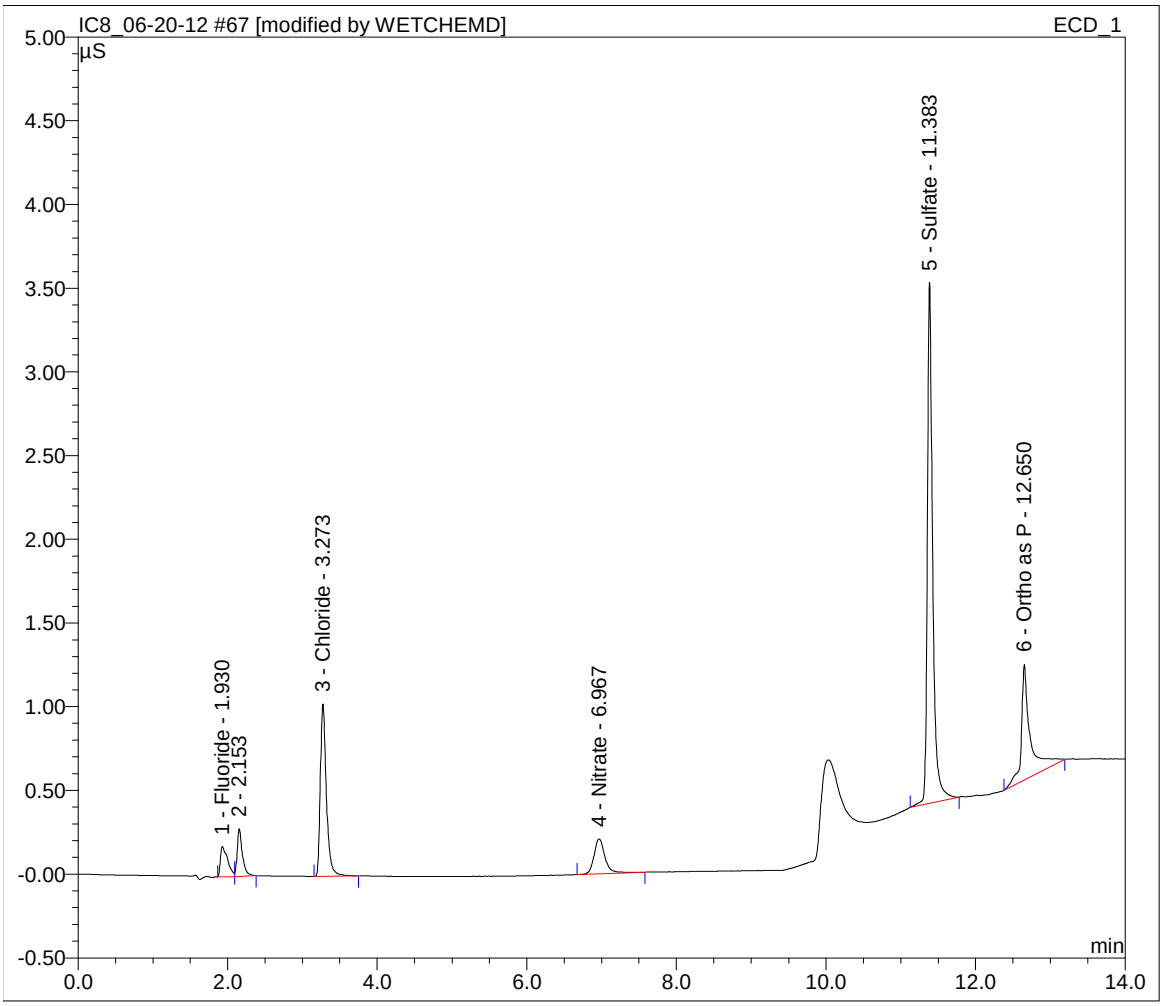
Sample Name:	**280-29825-a-5-i**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 02:15**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.003	0.066	-0.0085
4	3.28	Chloride	BMB	0.033	0.352	0.3075
5	6.97	Nitrate	BMB	0.047	0.286	0.1718
6	11.40	Sulfate	BMB	0.071	0.695	0.3703
7	12.66	Ortho as P	BMB	0.089	0.481	-0.1525
		TOTAL:		0.24	1.88	0.69



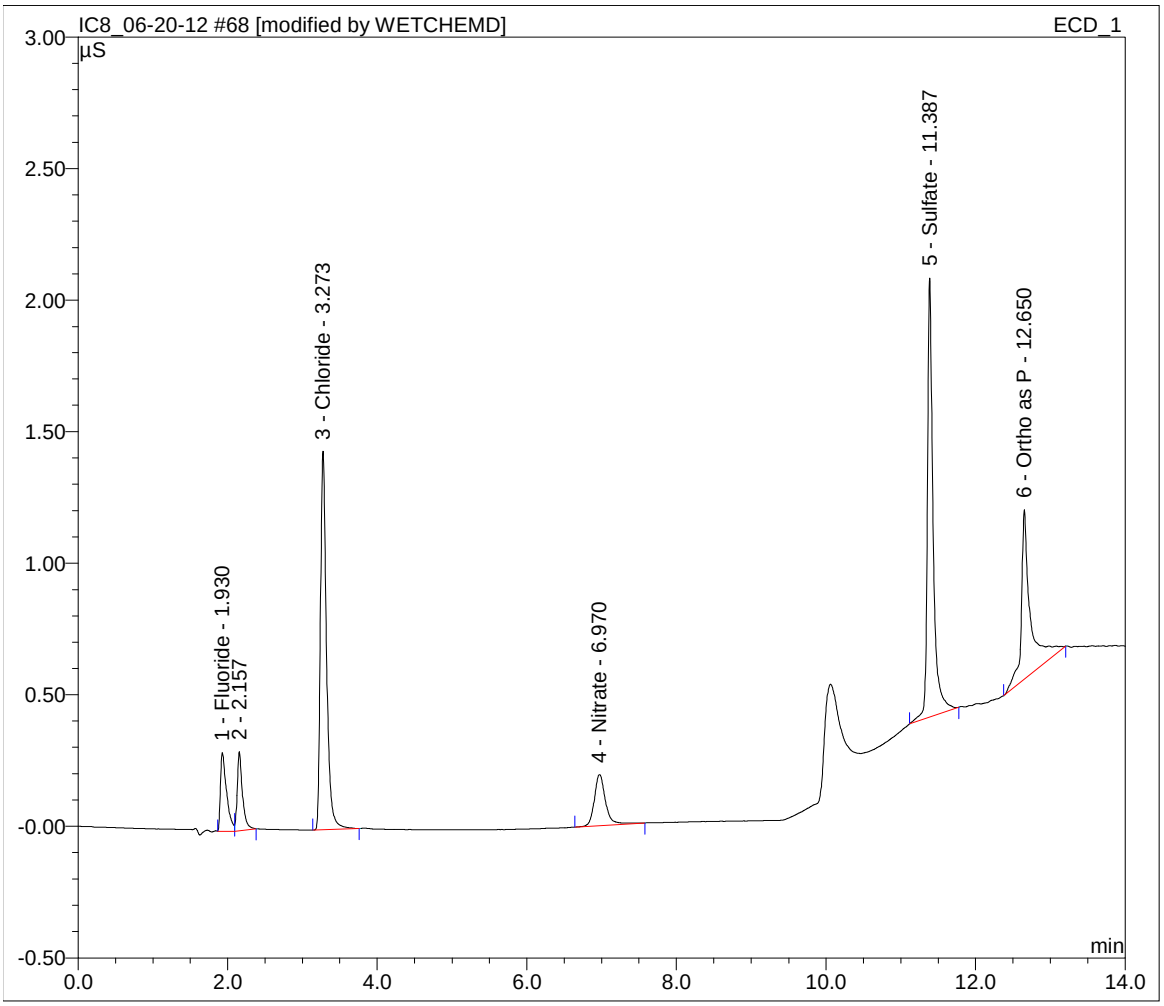
Sample Name:	**280-29825-a-6-e**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 02:32**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.020	0.181	0.0648
3	3.27	Chloride	BMB	0.096	1.028	0.7700
4	6.97	Nitrate	BMB	0.036	0.209	0.1374
5	11.38	Sulfate	BMB	0.259	3.112	2.1352
6	12.65	Ortho as P	BMB	0.096	0.691	-0.1170
		TOTAL:		0.51	5.22	2.99



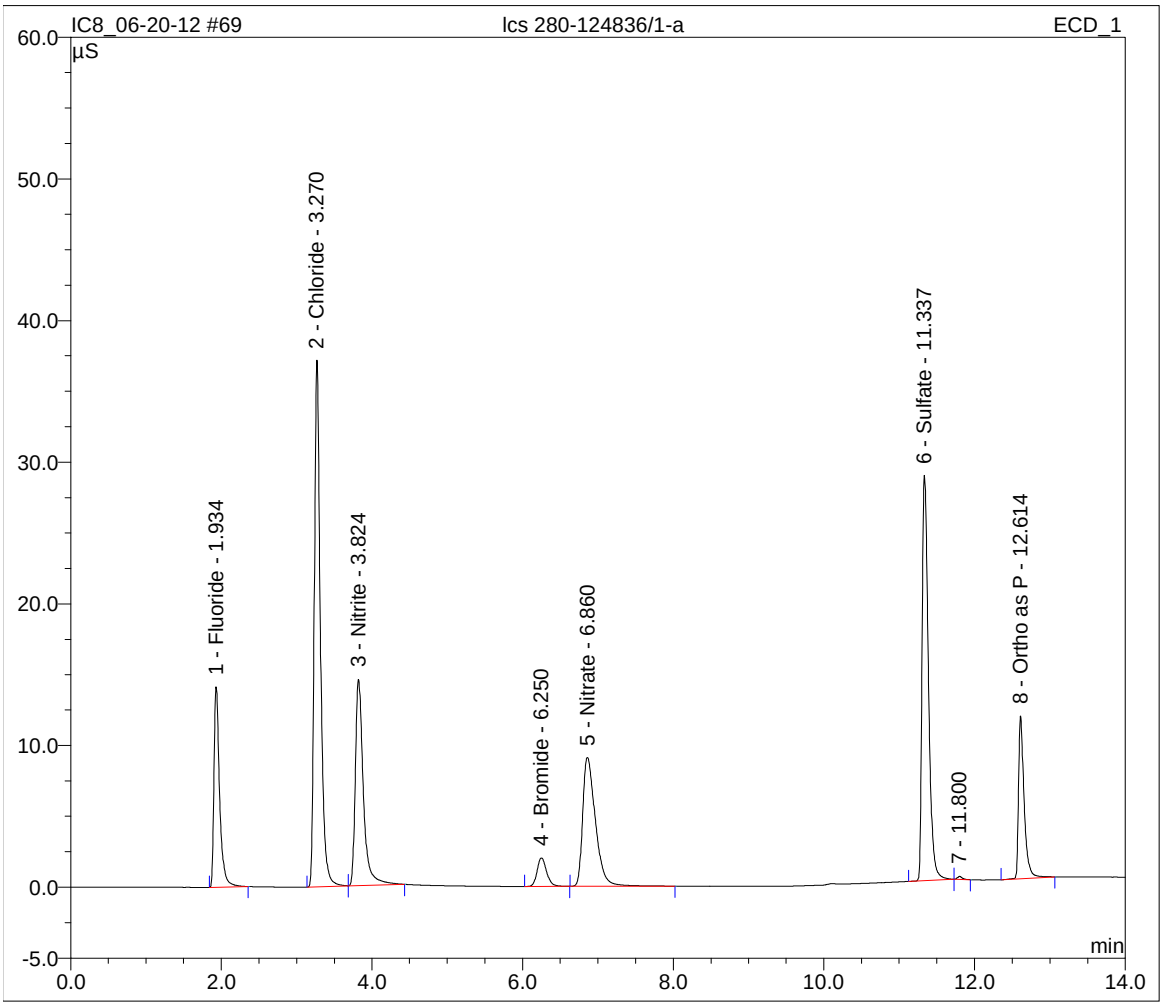
Sample Name:	**280-29825-a-7-e**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 02:49**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.028	0.299	0.0982
3	3.27	Chloride	BMB	0.136	1.439	1.0587
4	6.97	Nitrate	BMB	0.034	0.194	0.1317
5	11.39	Sulfate	BMB	0.148	1.669	1.0961
6	12.65	Ortho as P	BMB	0.092	0.645	-0.1378
		TOTAL:		0.44	4.25	2.25



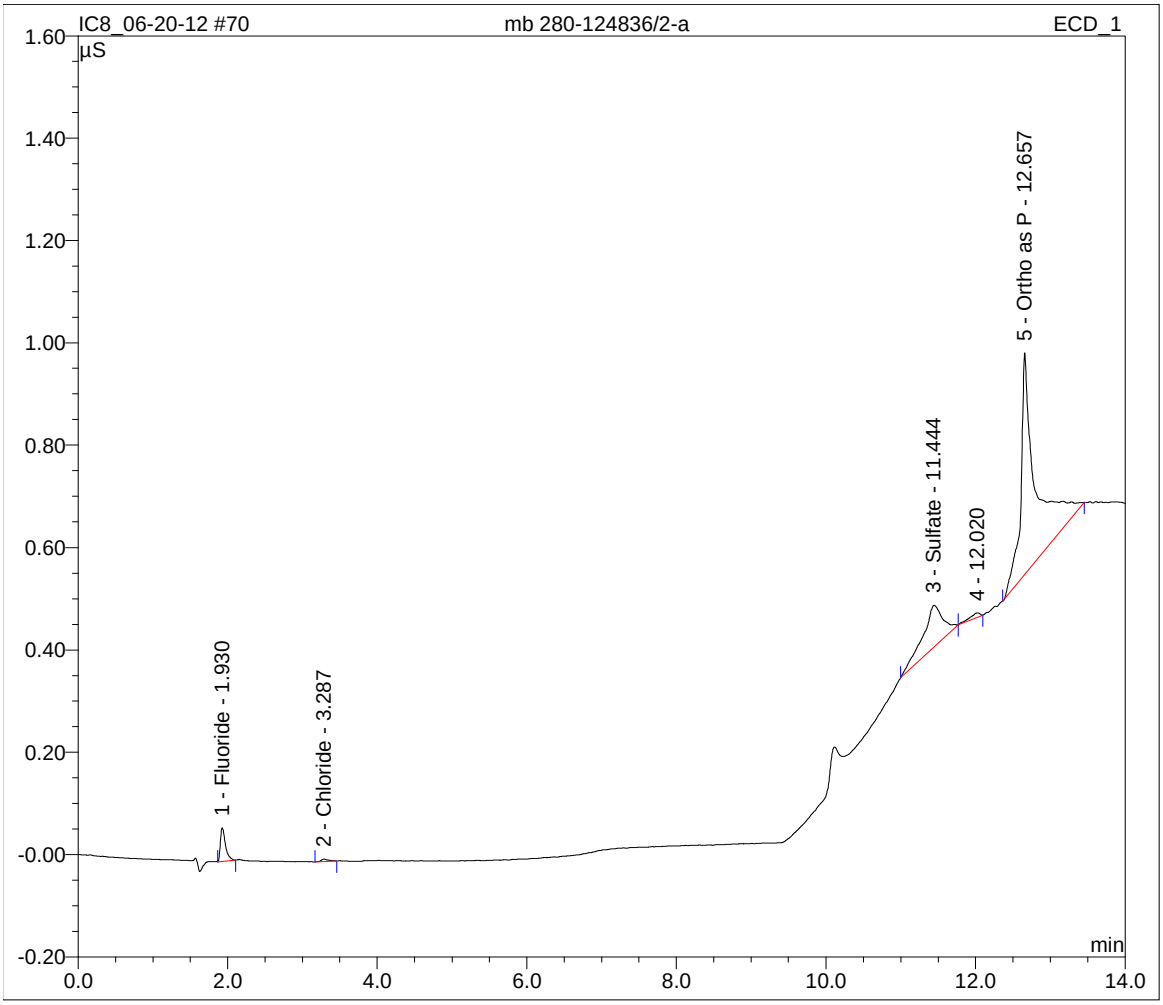
Sample Name:	**lcs 280-124836/1-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 03:06**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.217	14.143	5.2028
2	3.27	Chloride	BMB	3.526	37.161	25.8961
3	3.82	Nitrite	bMB	1.791	14.554	4.9041
4	6.25	Bromide	BMB	0.293	2.007	5.1191
5	6.86	Nitrate	BMB	1.778	9.088	5.1807
6	11.34	Sulfate	BMb	2.818	28.606	26.1572
8	12.61	Ortho as P	BMB	0.994	11.476	4.6399
		TOTAL:		12.42	117.04	77.10



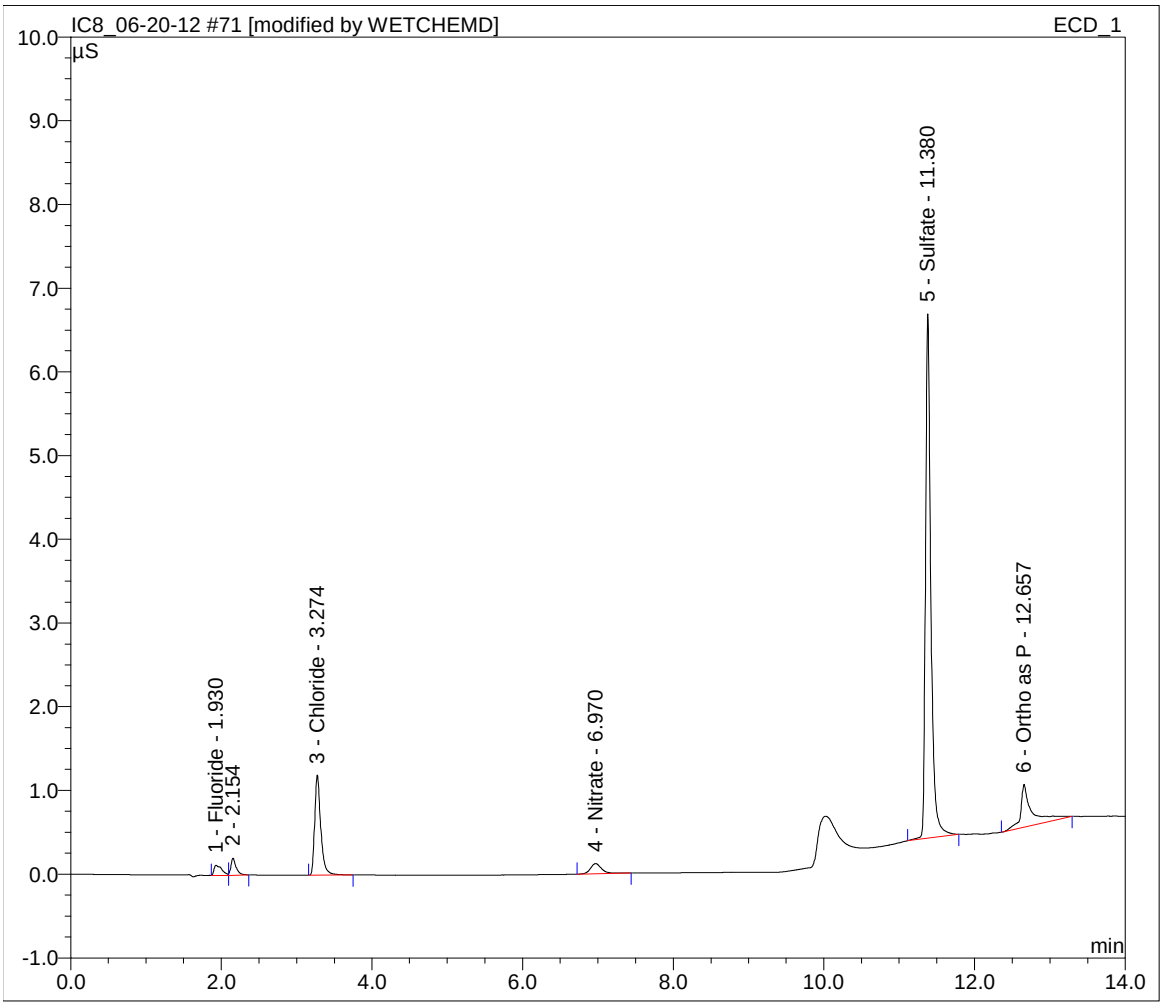
Sample Name:	**mb 280-124836/2-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 03:22**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.005	0.066	-0.0008
2	3.29	Chloride	BMB	0.001	0.005	0.0692
3	11.44	Sulfate	BMB	0.026	0.082	-0.0513
5	12.66	Ortho as P	BMB	0.102	0.433	-0.0834
TOTAL:				0.13	0.59	-0.07



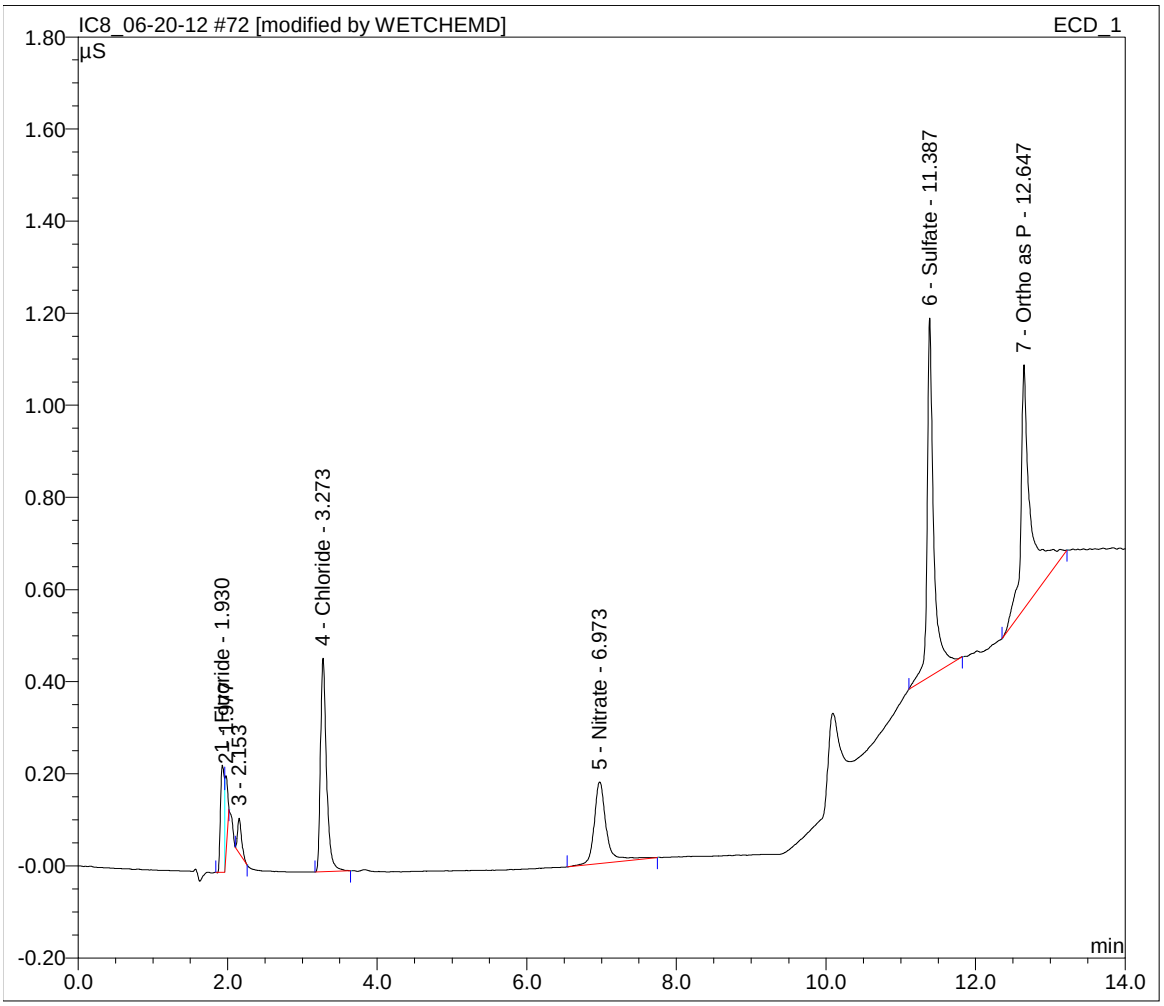
Sample Name:	**280-29827-a-1-p**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 03:39**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.014	0.121	0.0388
3	3.27	Chloride	BMB	0.112	1.195	0.8892
4	6.97	Nitrate	BMB	0.021	0.122	0.0950
5	11.38	Sulfate	BMB	0.519	6.264	4.5771
6	12.66	Ortho as P	BMB	0.089	0.510	-0.1507
		TOTAL:		0.76	8.21	5.45



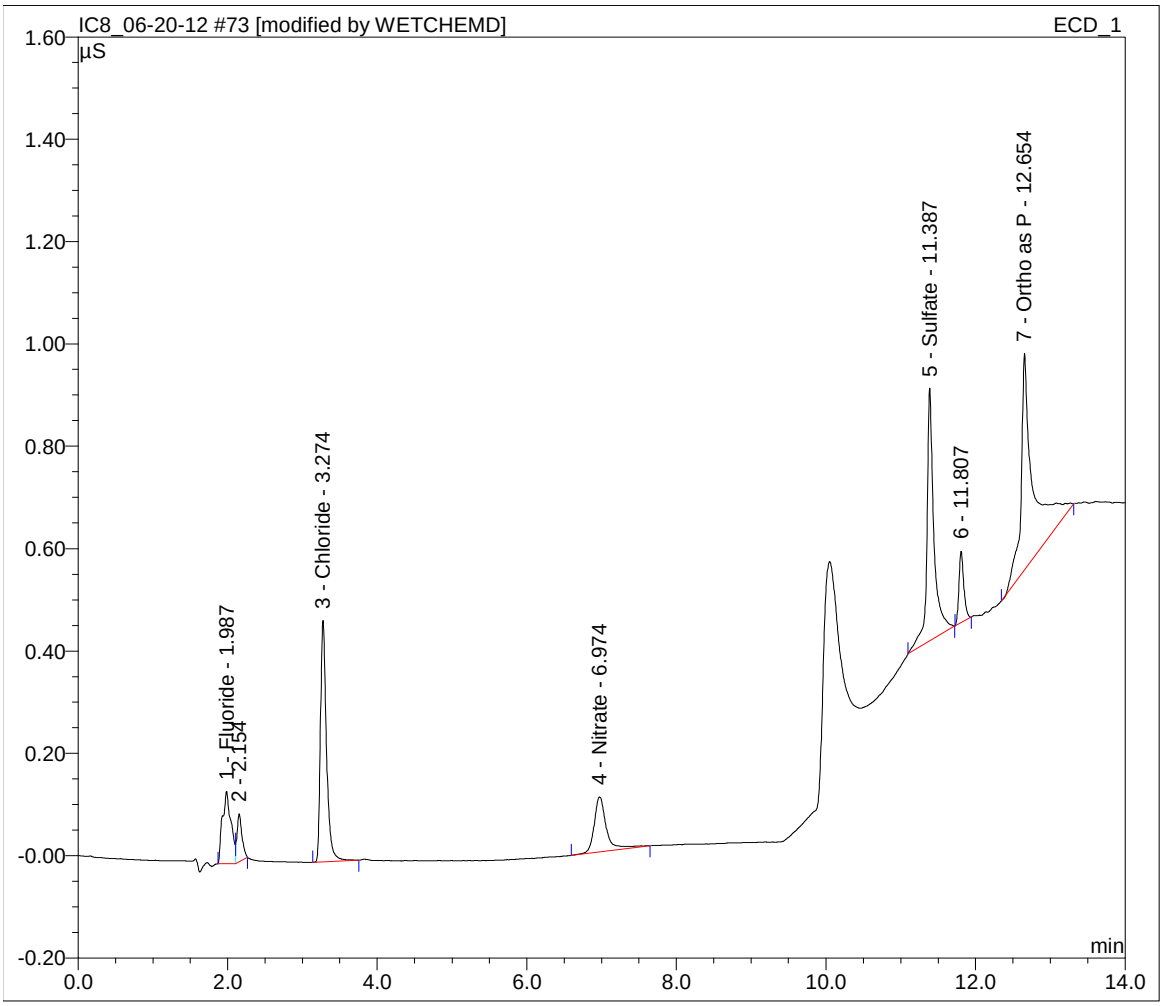
Sample Name:	**280-29827-a-2-j**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 03:56**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.013	0.233	0.0345
4	3.27	Chloride	BMB	0.043	0.464	0.3828
5	6.97	Nitrate	BMB	0.033	0.177	0.1308
6	11.39	Sulfate	BMB	0.079	0.779	0.4463
7	12.65	Ortho as P	BMB	0.085	0.529	-0.1767
		TOTAL:		0.25	2.18	0.82



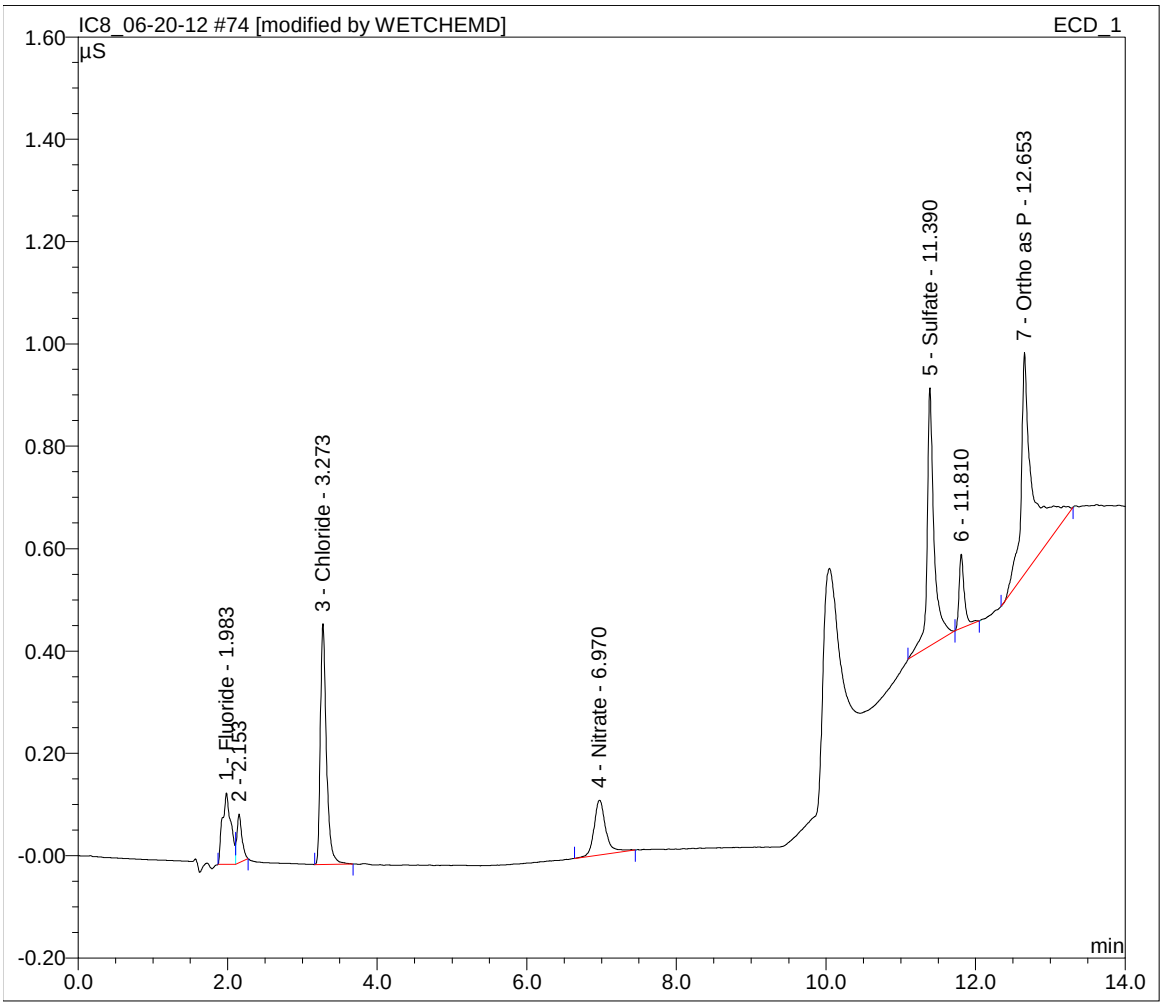
Sample Name:	**280-29827-a-3-j**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 04:13**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.99	Fluoride	BM *	0.019	0.141	0.0580
3	3.27	Chloride	BMB	0.044	0.472	0.3894
4	6.97	Nitrate	BMB	0.020	0.107	0.0933
5	11.39	Sulfate	BMB	0.054	0.493	0.2121
7	12.65	Ortho as P	BMB	0.081	0.423	-0.1954
		TOTAL:		0.22	1.64	0.56



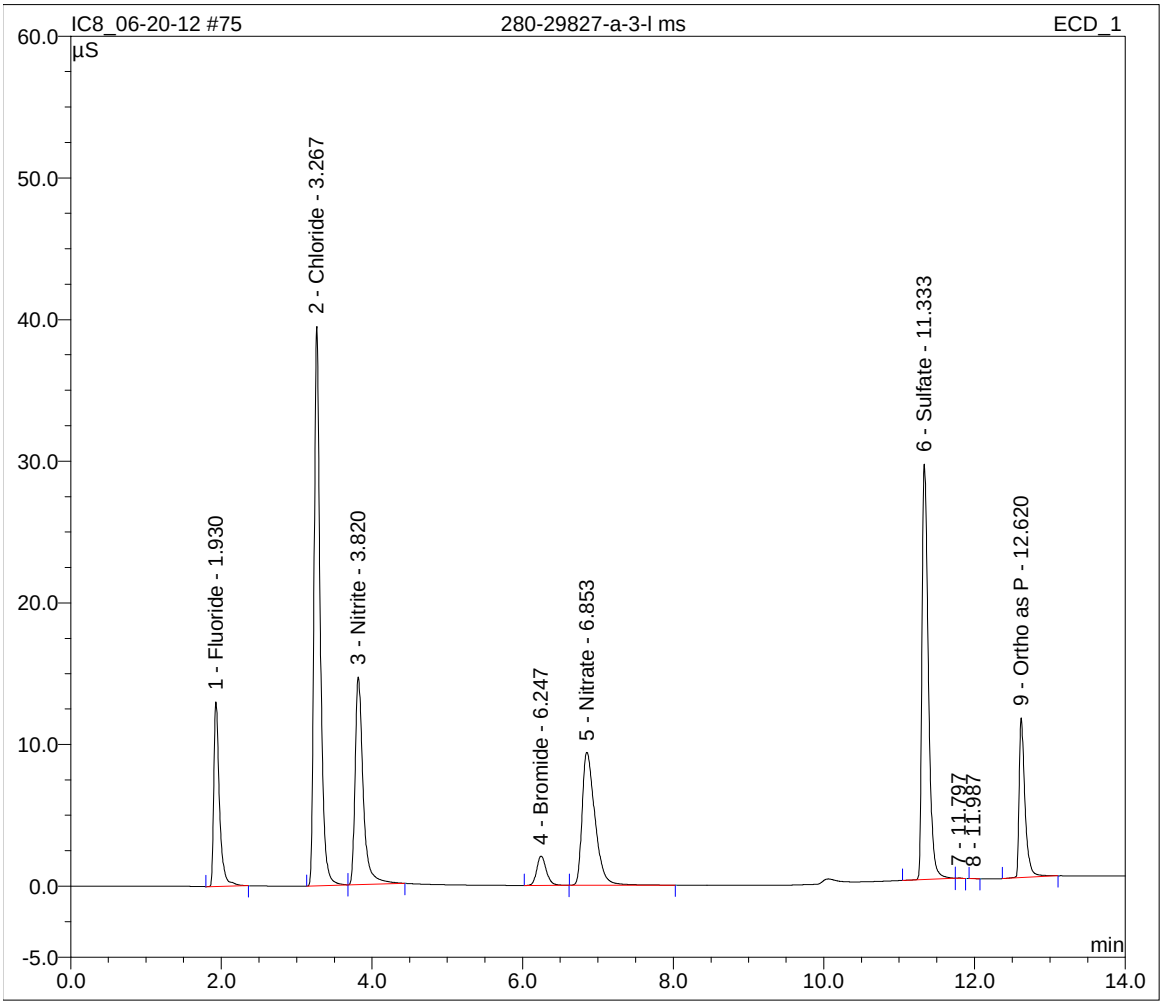
Sample Name:	**280-29827-a-3-k du**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 04:30**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.98	Fluoride	BM *	0.019	0.139	0.0578
3	3.27	Chloride	BMB	0.044	0.471	0.3882
4	6.97	Nitrate	BMB	0.019	0.107	0.0903
5	11.39	Sulfate	BMB	0.055	0.504	0.2196
7	12.65	Ortho as P	BMB	0.083	0.433	-0.1842
		TOTAL:		0.22	1.65	0.57



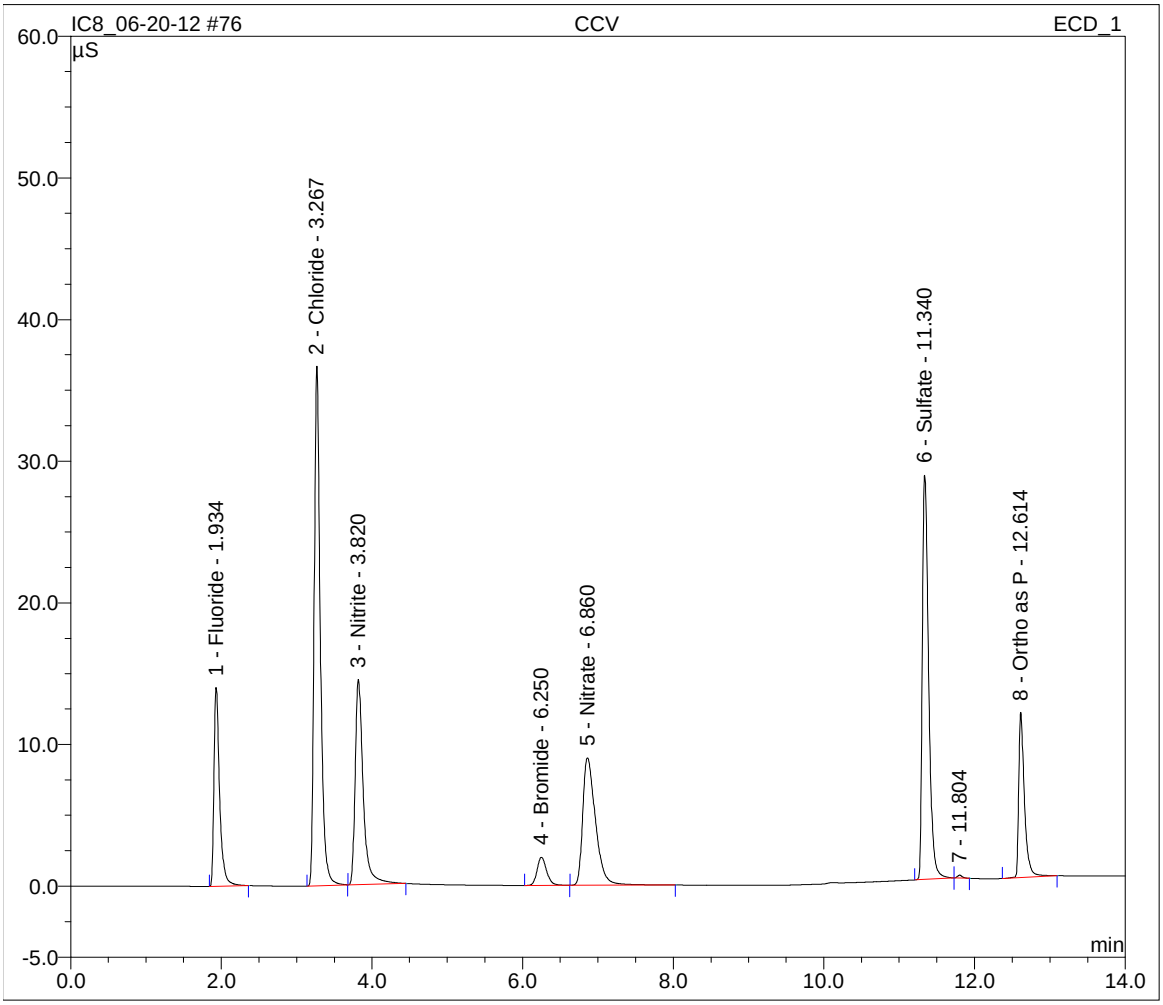
Sample Name:	**280-29827-a-3-I ms**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 04:46**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.126	13.017	4.8148
2	3.27	Chloride	BMB	3.753	39.508	27.5572
3	3.82	Nitrite	bMB	1.808	14.675	4.9502
4	6.25	Bromide	BMB	0.302	2.062	5.2683
5	6.85	Nitrate	BMB	1.849	9.377	5.3844
6	11.33	Sulfate	BMb	2.907	29.325	26.9914
9	12.62	Ortho as P	BMB	1.010	11.279	4.7229
		TOTAL:		12.75	119.24	79.69



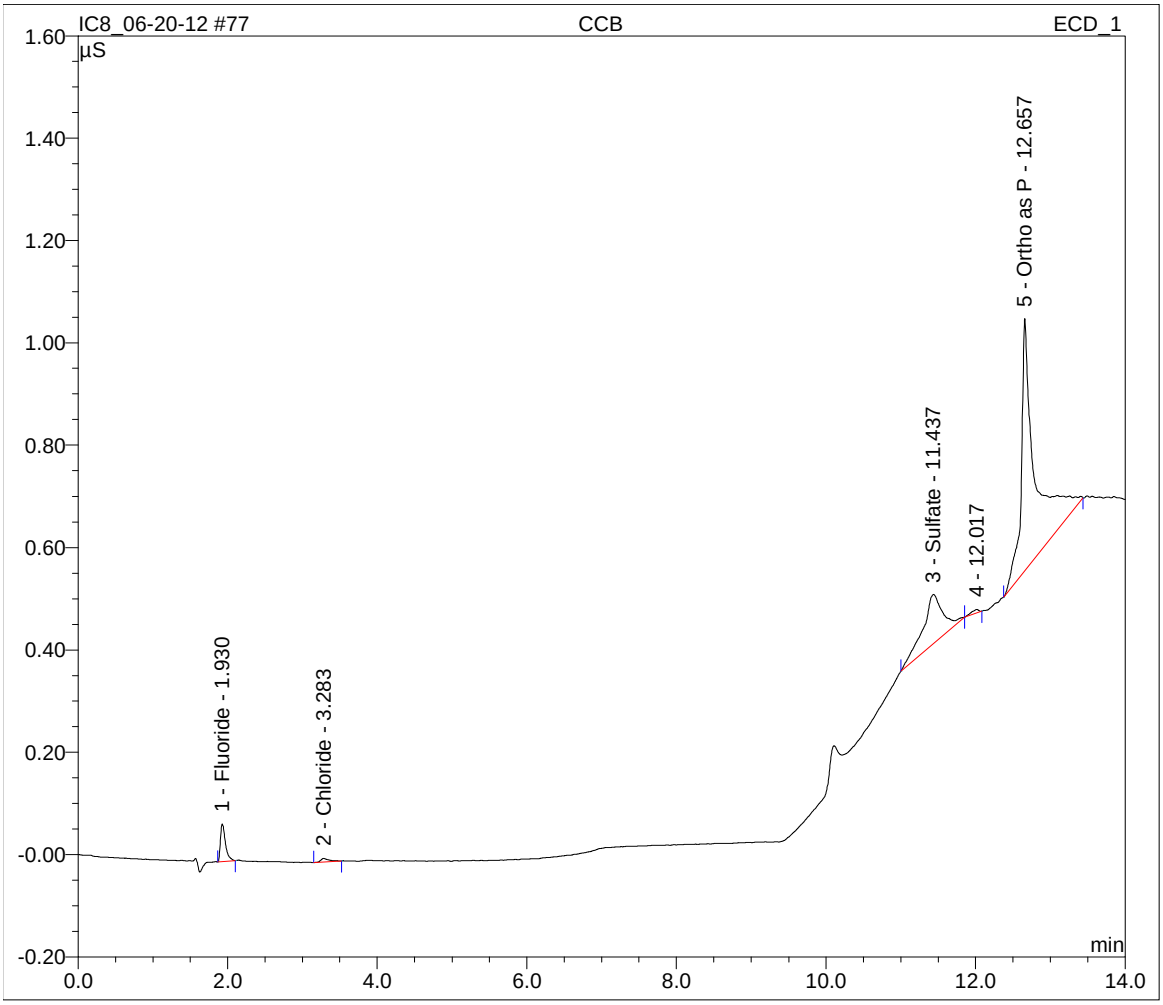
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 05:03**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.209	14.029	5.1684
2	3.27	Chloride	BMB	3.494	36.675	25.6637
3	3.82	Nitrite	BMB	1.782	14.462	4.8796
4	6.25	Bromide	BMB	0.291	1.975	5.0738
5	6.86	Nitrate	BMB	1.764	8.979	5.1385
6	11.34	Sulfate	BMb	2.796	28.525	25.9519
8	12.61	Ortho as P	BMB	1.029	11.661	4.8243
		TOTAL:		12.36	116.31	76.70



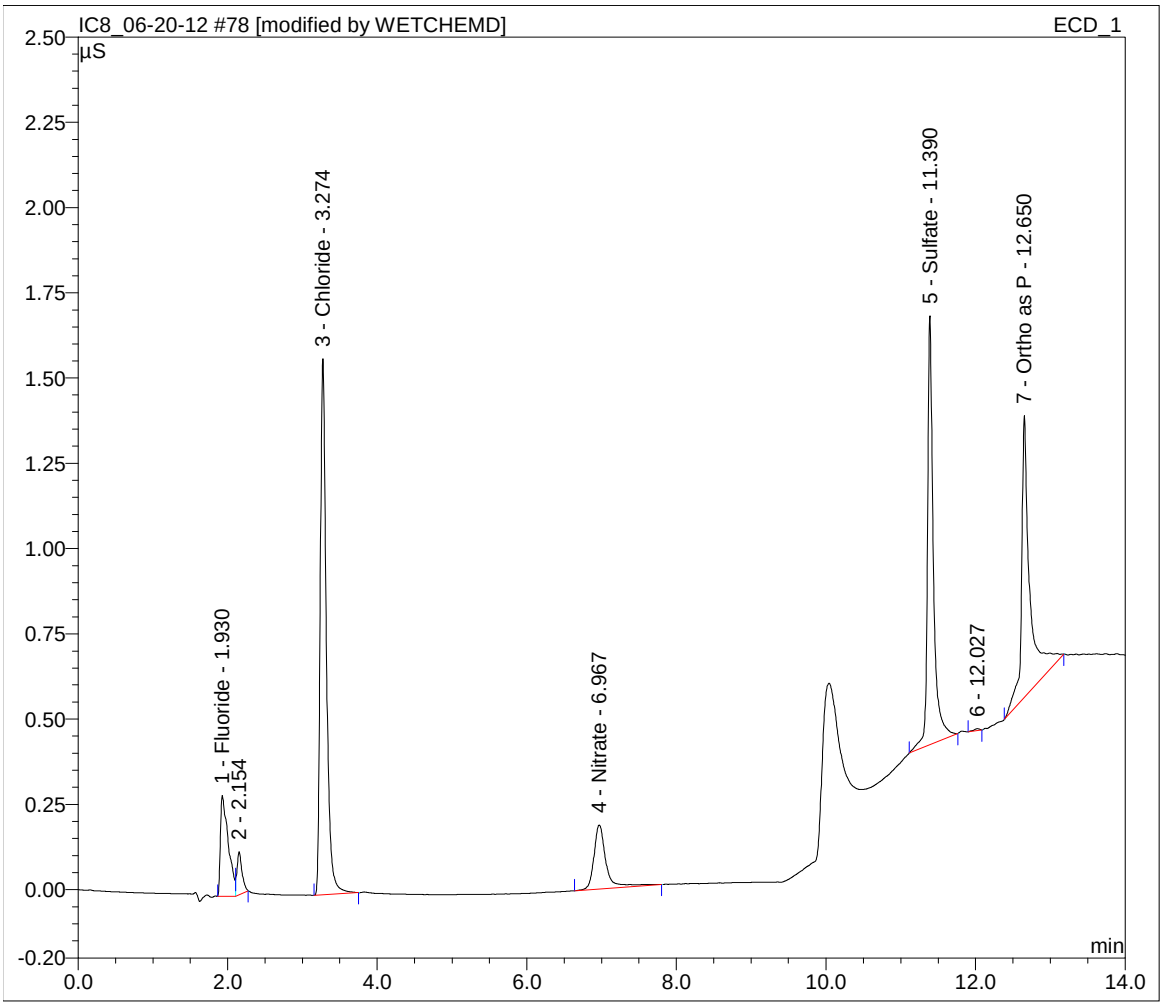
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 05:20**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.006	0.074	0.0015
2	3.28	Chloride	BMB	0.001	0.007	0.0715
3	11.44	Sulfate	BMb	0.030	0.096	-0.0126
5	12.66	Ortho as P	BMB	0.107	0.493	-0.0570
		TOTAL:		0.14	0.67	0.00



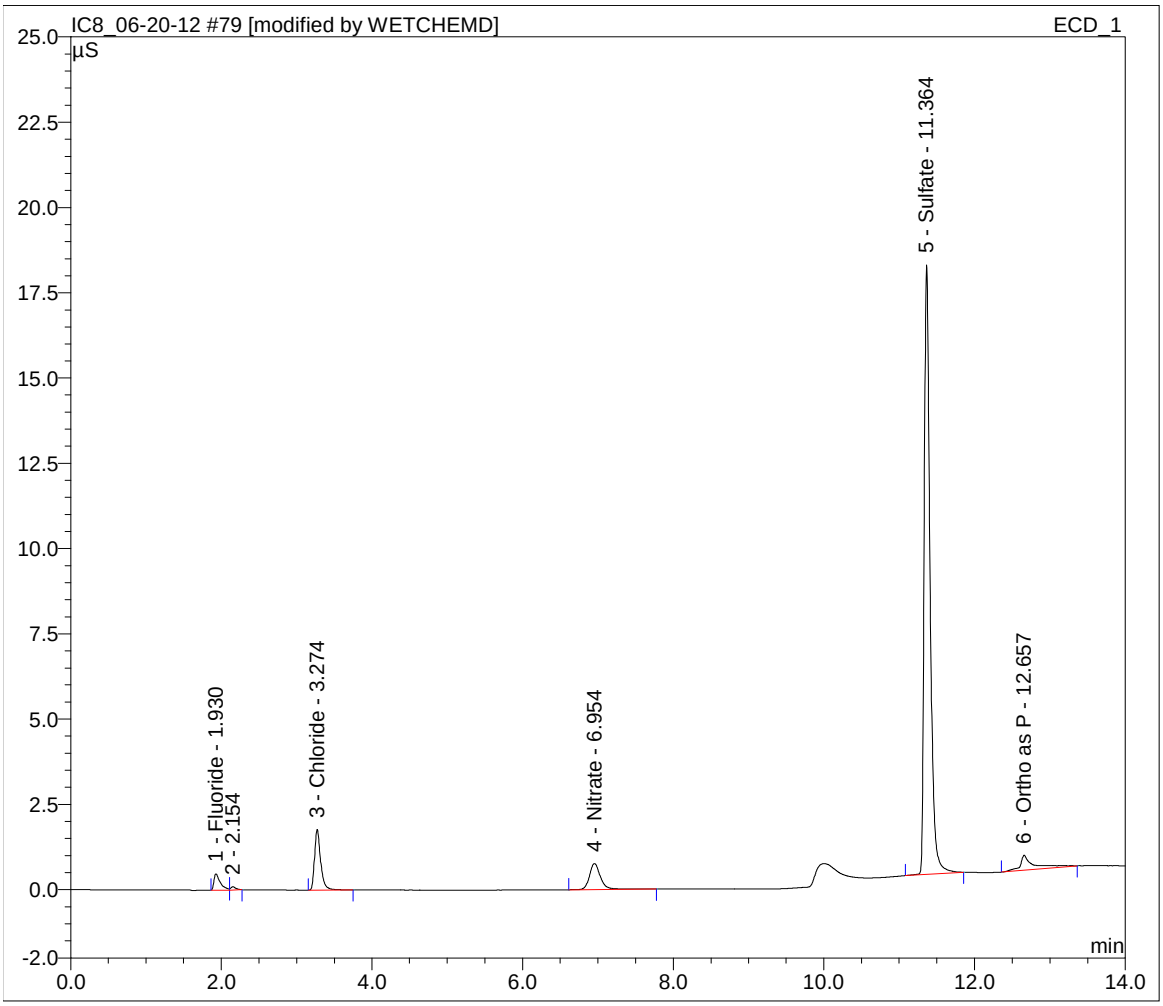
Sample Name:	**280-29827-a-4-h**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 05:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.036	0.295	0.1314
3	3.27	Chloride	BMB	0.149	1.572	1.1550
4	6.97	Nitrate	BMB	0.034	0.187	0.1344
5	11.39	Sulfate	BMB	0.115	1.259	0.7840
7	12.65	Ortho as P	BMB	0.107	0.826	-0.0571
		TOTAL:		0.44	4.14	2.15



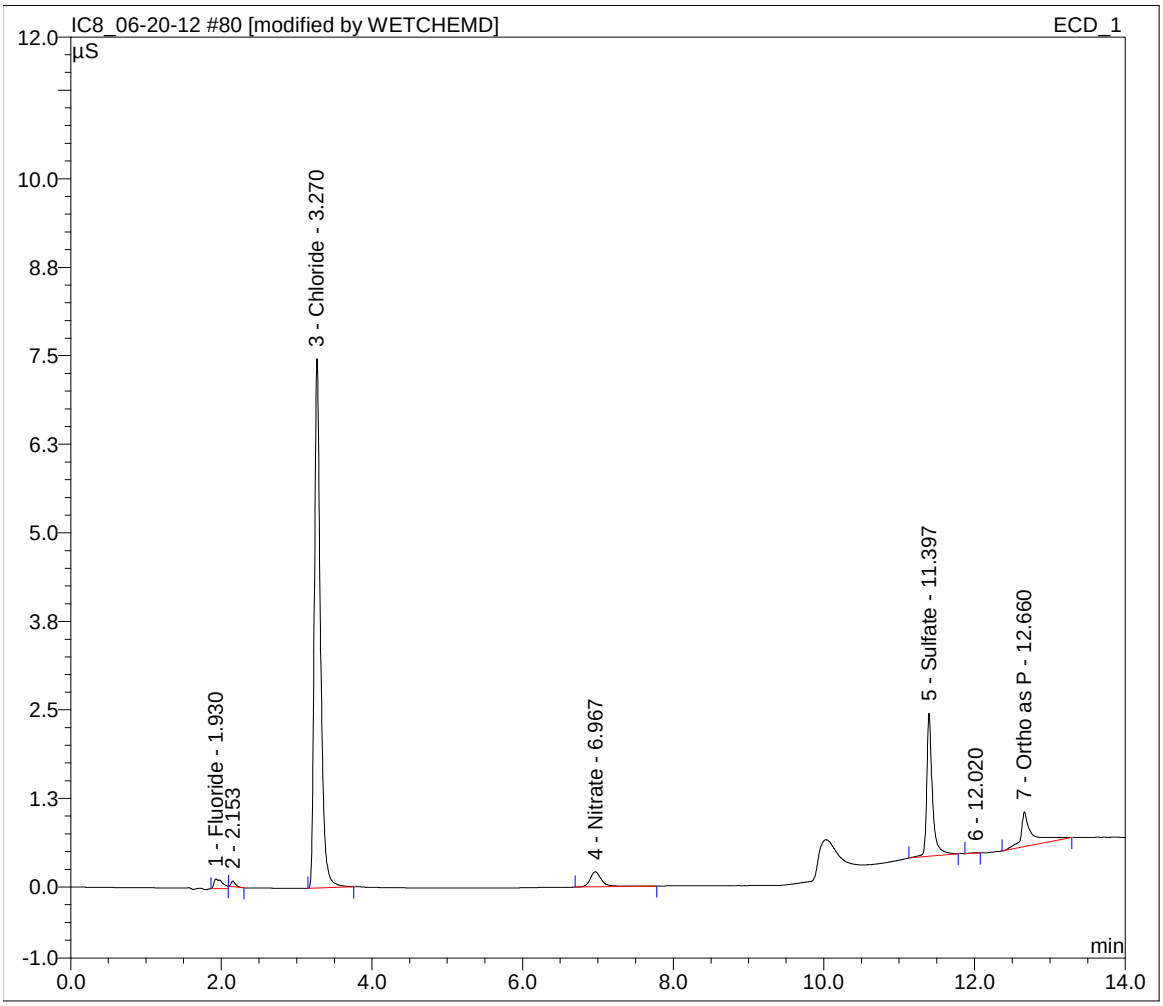
Sample Name:	**280-29827-a-5-h**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 05:54**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.047	0.481	0.1774
3	3.27	Chloride	BMB	0.167	1.772	1.2900
4	6.95	Nitrate	BMB	0.129	0.761	0.4085
5	11.36	Sulfate	BMB	1.616	17.872	14.8769
6	12.66	Ortho as P	BMB	0.091	0.442	-0.1398
		TOTAL:		2.05	21.33	16.61



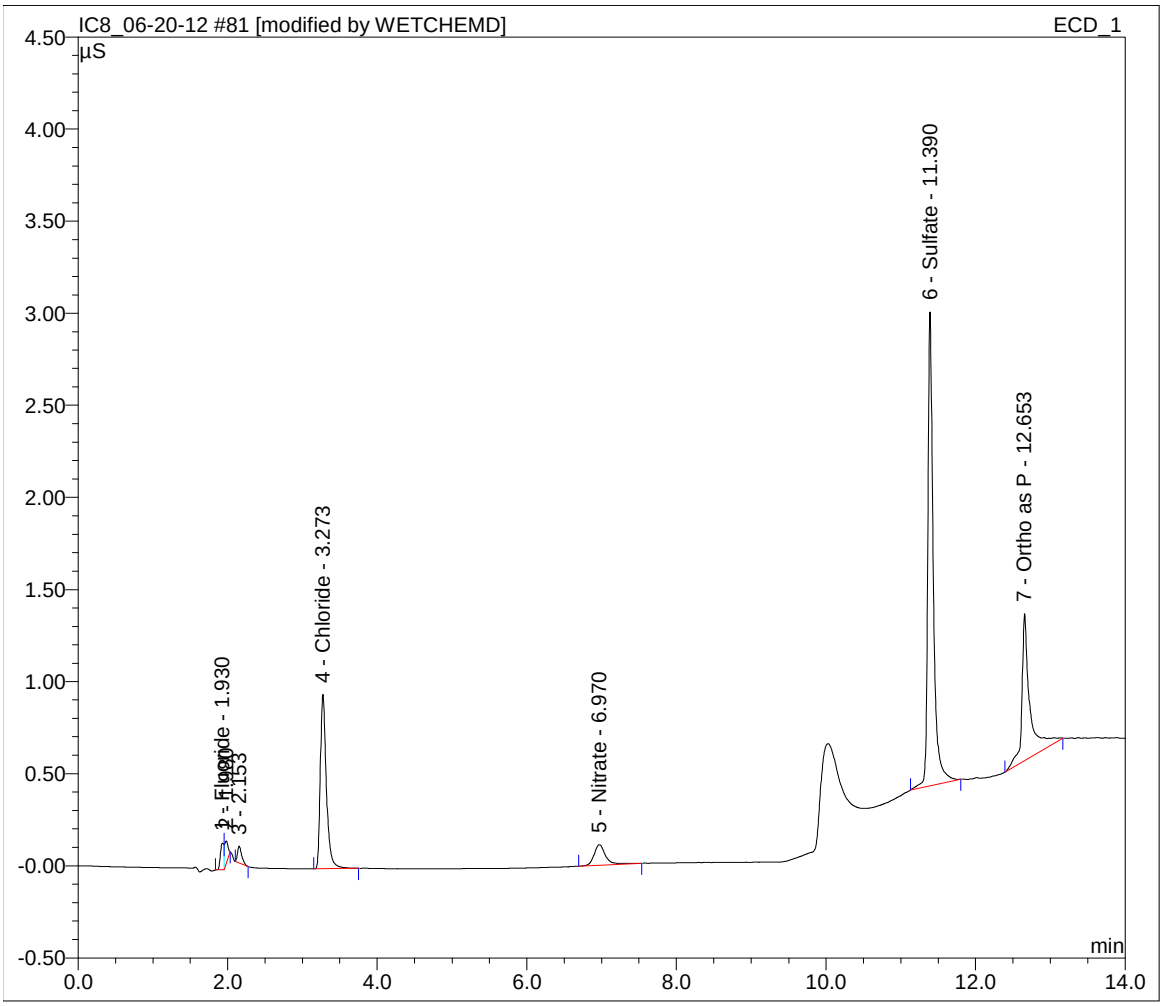
Sample Name:	**280-29827-a-6-h**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 06:10**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.018	0.138	0.0554
3	3.27	Chloride	BMB	0.709	7.468	5.2611
4	6.97	Nitrate	BMB	0.038	0.213	0.1458
5	11.40	Sulfate	BMB	0.175	2.017	1.3470
7	12.66	Ortho as P	BMB	0.087	0.491	-0.1661
		TOTAL:		1.03	10.33	6.64



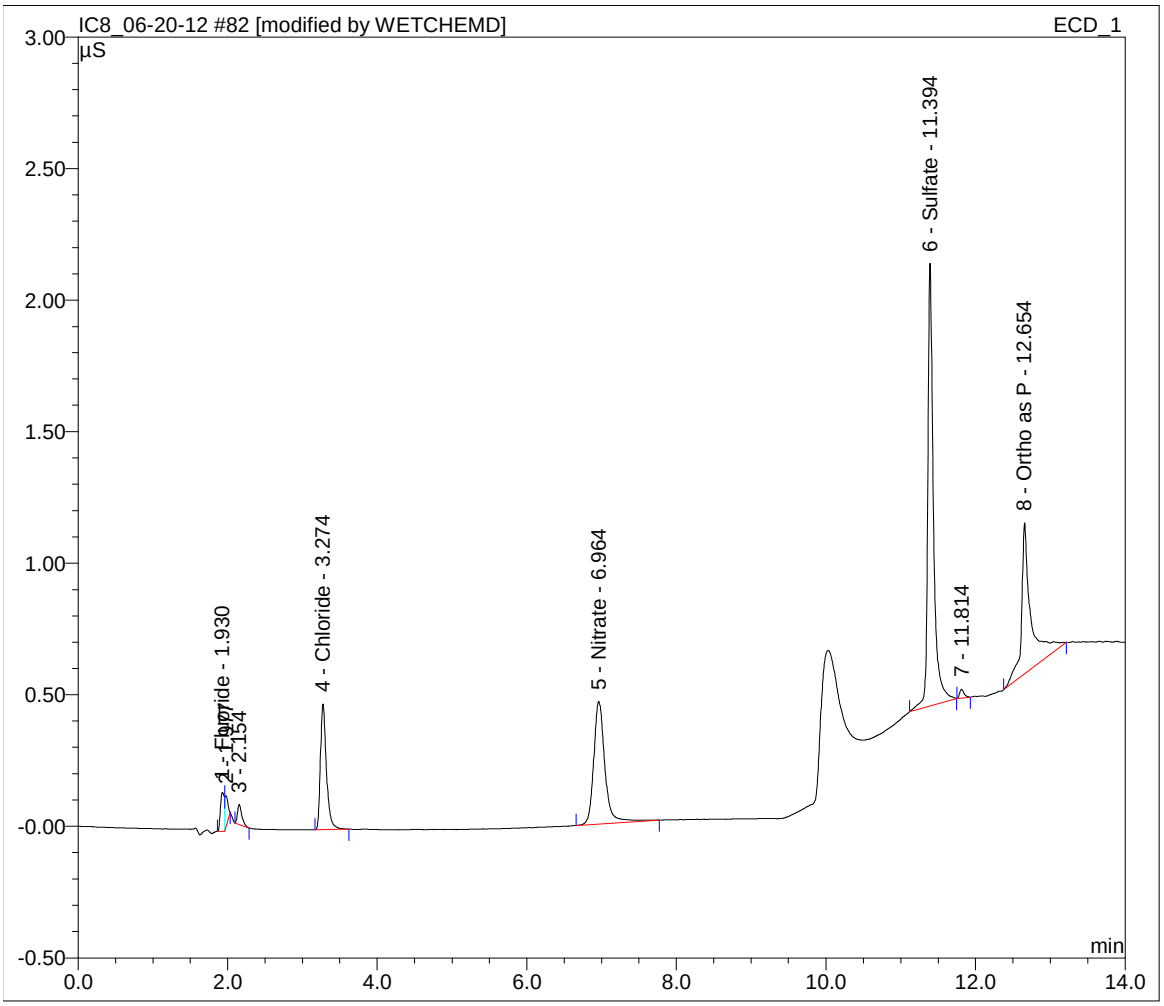
Sample Name:	**280-29827-a-7-h**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 06:27**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.007	0.145	0.0083
4	3.27	Chloride	BMB	0.089	0.946	0.7161
5	6.97	Nitrate	BMB	0.020	0.112	0.0929
6	11.39	Sulfate	BMB	0.219	2.574	1.7659
7	12.65	Ortho as P	BMB	0.100	0.799	-0.0953
		TOTAL:		0.44	4.58	2.49



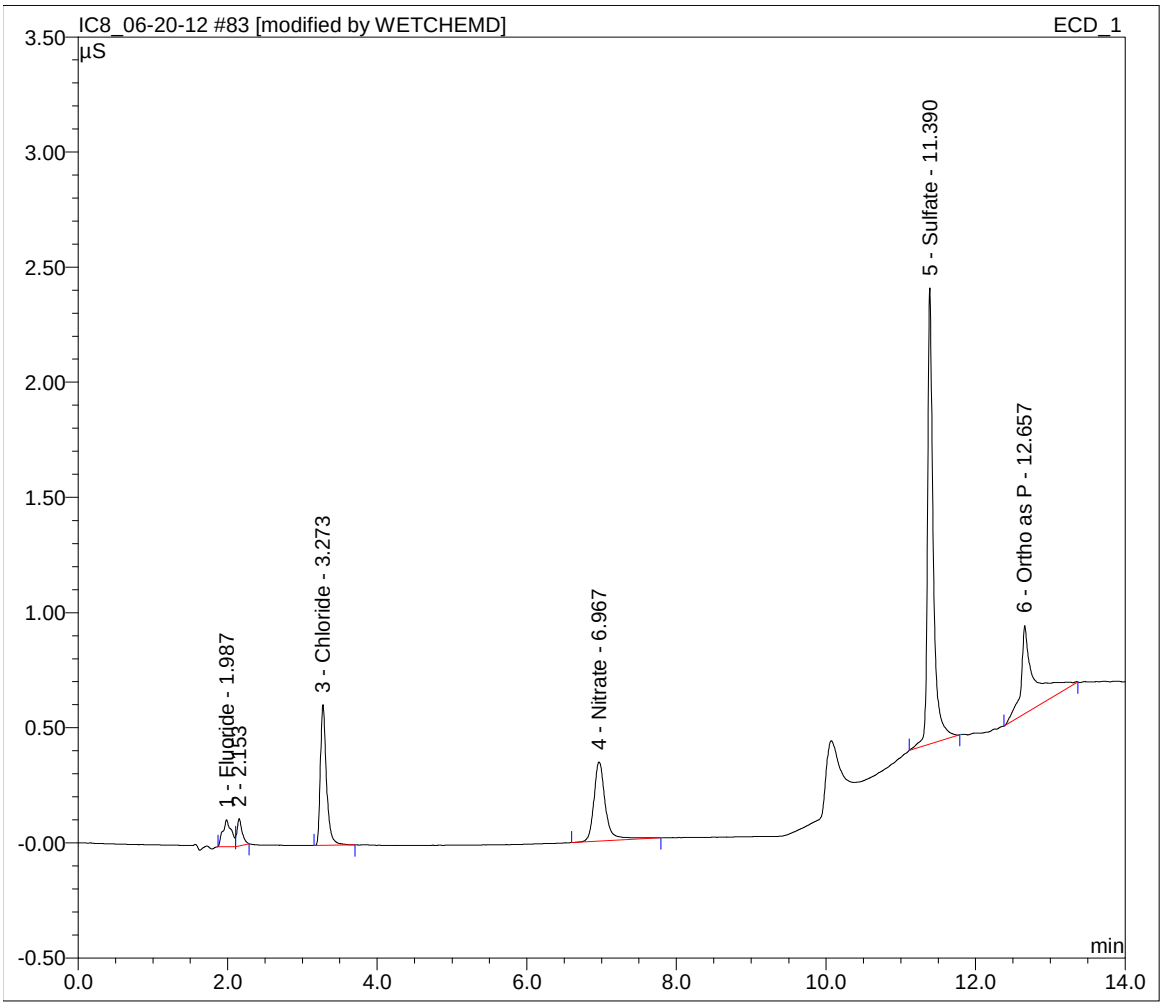
Sample Name:	**280-29827-a-8-h**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 06:44**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BM *	0.009	0.148	0.0141
4	3.27	Chloride	BMB	0.044	0.477	0.3903
5	6.96	Nitrate	BMB	0.080	0.465	0.2671
6	11.39	Sulfate	BMB	0.148	1.683	1.0999
8	12.65	Ortho as P	BMB	0.086	0.575	-0.1674
		TOTAL:		0.37	3.35	1.60



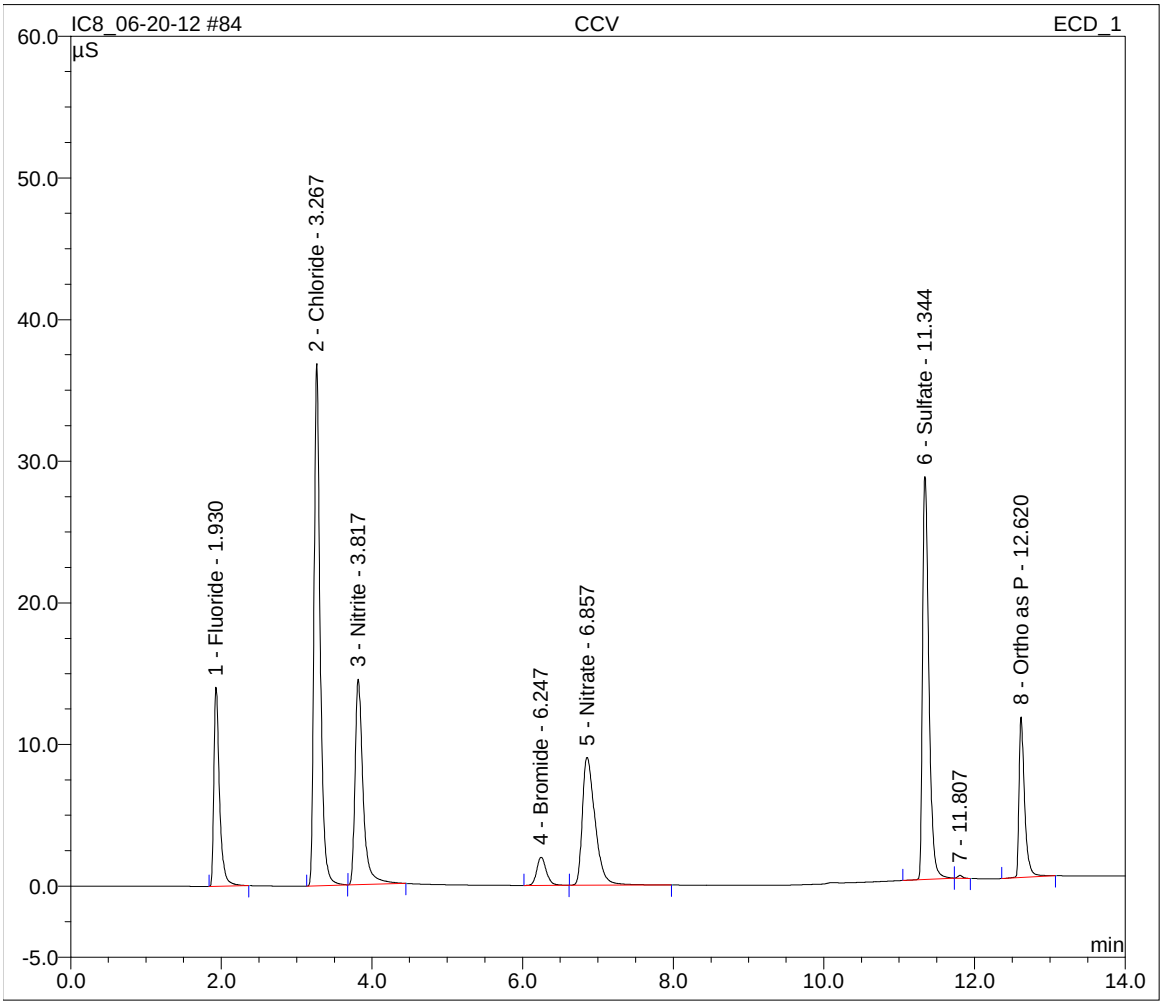
Sample Name:	**280-29827-b-9-i**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 07:01**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.99	Fluoride	BM *	0.016	0.116	0.0439
3	3.27	Chloride	BMB	0.057	0.610	0.4858
4	6.97	Nitrate	BMB	0.062	0.344	0.2132
5	11.39	Sulfate	BMB	0.176	1.982	1.3559
6	12.66	Ortho as P	BMB	0.083	0.384	-0.1831
		TOTAL:		0.39	3.44	1.92



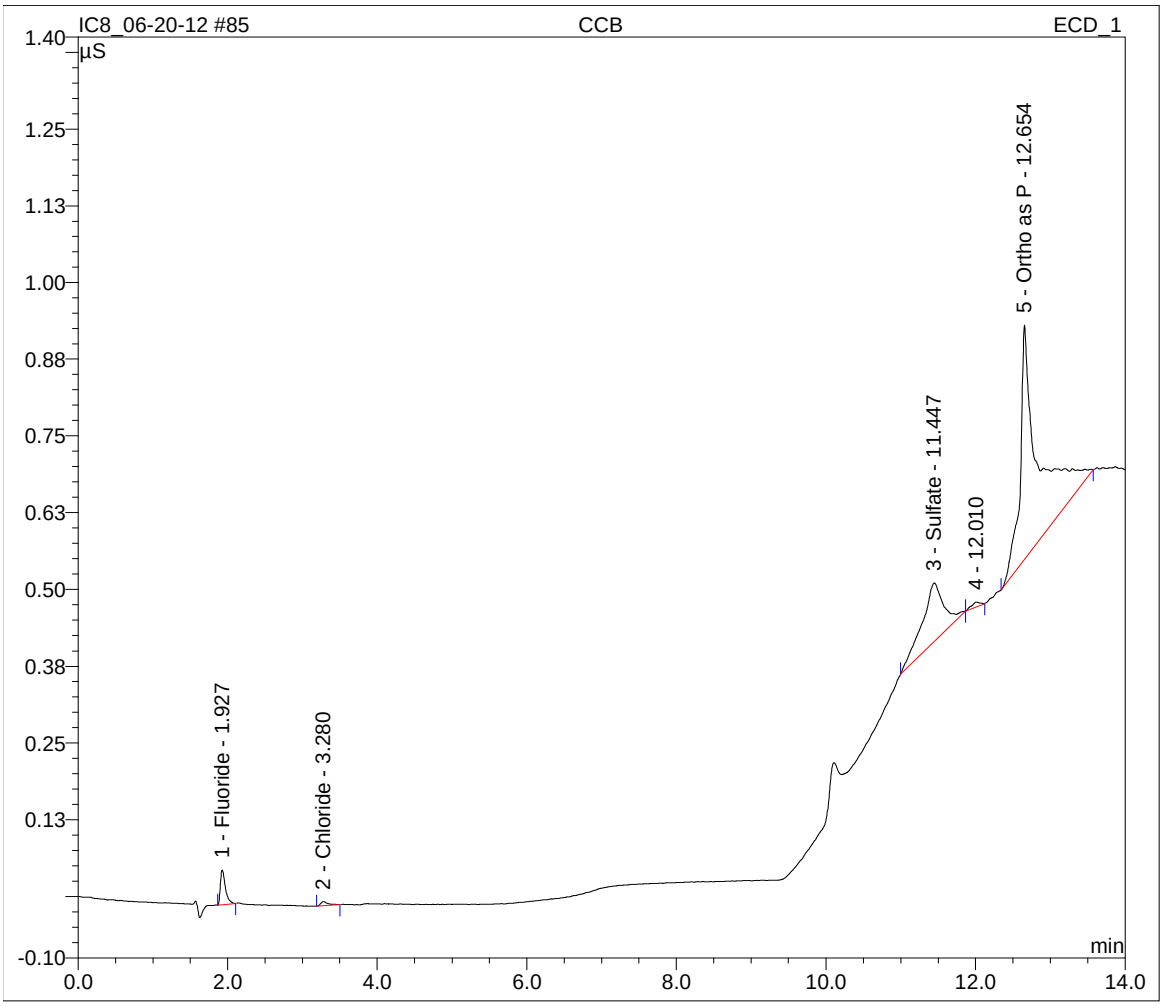
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 07:18**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	1.208	14.037	5.1639
2	3.27	Chloride	BMB	3.496	36.855	25.6767
3	3.82	Nitrite	BMB	1.786	14.490	4.8895
4	6.25	Bromide	BMB	0.290	1.982	5.0722
5	6.86	Nitrate	BMB	1.763	9.009	5.1353
6	11.34	Sulfate	BMb	2.786	28.443	25.8556
8	12.62	Ortho as P	BMB	0.972	11.321	4.5227
		TOTAL:		12.30	116.14	76.32



Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 07:34**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.004	0.057	-0.0040
2	3.28	Chloride	BMB	0.001	0.007	0.0711
3	11.45	Sulfate	BMb	0.032	0.095	0.0075
5	12.65	Ortho as P	BMB	0.108	0.382	-0.0514
		TOTAL:		0.15	0.54	0.02



Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TOC **SOP #** DV-WC-0006

Instrument: SHI2 **Analyst:** D.B. **Analysis Date:** 07-13-12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30235	Aq.	—	127875	9060/9060A	Q4
30282	↓	↓	↓	↓	Q4
30538					Q4
30543					Q4
30787				↓	A4
30456				5310B	—
30457				↓	—
30497	↓	↓	↓		—

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			—
2. Correlation coefficient ≥ 0.995 ?	✓			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			—
4. ICB analyzed immediately after the ICV & results < the RL	✓			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			—
6. CCB analyzed after every CCV & results < RL?	✓			—
7. Absolute value of the intercept is < ± ½ the RL?	✓			—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			—
3. All reported results bracketed by in control CCV results?	✓			—
4. Sample analyses done within holding time?	✓			—
5. Initial pH check documented for all samples? (If Applicable)	✓			—
6. Preparation benchsheet completed and included in package?			✓	—
7. Client requirements reviewed and met?	✓			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	—
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
11. Raw data copies prepared, scanned, and uploaded?	✓			—
12. Manual integrations done properly and initialed and dated?			✓	—
13. STD/True Value information is updated and included?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?	✓			—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	—

Analyst: D.B. **Date:** 07-16-12

2nd Level Reviewer : [signature] **Date:** 7/16/12

	Analysis	Sample Name	Dilution	Result	Date / Time	Vial
1	NPOC	ICV	1.000	NPOC:19.07ppm	07/13/2012 05:09:21 PM	1
2	NPOC	ICB	1.000	NPOC:0.1213ppm	07/13/2012 05:27:43 PM	2
3	NPOC	LCS	1.000	NPOC:24.10ppm	07/13/2012 05:46:02 PM	3
4	NPOC	LCSD	1.000	NPOC:24.03ppm	07/13/2012 06:04:06 PM	4
5	NPOC	MB	1.000	NPOC:0.1213ppm	07/13/2012 06:22:29 PM	5
6	NPOC	280-30635-f-8	1.000	NPOC:6.856ppm	07/13/2012 06:39:11 PM	6
7	NPOC	280-30235-l-1	1.000	NPOC:1.397ppm	07/13/2012 06:58:41 PM	7
8	NPOC	MS 280-30235-l-1	1.000	NPOC:25.44ppm	07/13/2012 07:16:20 PM	8
9	NPOC	MSD 280-30235-l-1	1.000	NPOC:25.47ppm	07/13/2012 07:34:18 PM	9
10	NPOC	280-30235-d-2	1.000	NPOC:1.400ppm	07/13/2012 07:53:44 PM	10
11	NPOC	280-30235-d-3	1.000	NPOC:0.8059ppm	07/13/2012 08:10:50 PM	11
12	NPOC	280-30235-d-4	1.000	NPOC:0.8063ppm	07/13/2012 08:26:15 PM	12
13	NPOC	280-30235-d-5	1.000	NPOC:0.6195ppm	07/13/2012 08:41:29 PM	13
14	NPOC	280-30235-d-6	1.000	NPOC:0.5586ppm	07/13/2012 08:56:37 PM	14
15	NPOC	280-30235-d-7	1.000	NPOC:2.414ppm	07/13/2012 09:12:42 PM	15
16	NPOC	CCV	1.000	NPOC:24.08ppm	07/13/2012 09:30:42 PM	16
17	NPOC	CCB	1.000	NPOC:0.1213ppm	07/13/2012 09:49:05 PM	17
18	NPOC	280-30235-d-8	1.000	NPOC:3.022ppm	07/13/2012 10:07:16 PM	18
19	NPOC	280-30235-d-9	1.000	NPOC:0.3302ppm	07/13/2012 10:23:41 PM	19
20	NPOC	280-30282-d-1	1.000	NPOC:3.090ppm	07/13/2012 10:39:48 PM	20
21	NPOC	MS 280-30282-d-1	1.000	NPOC:26.98ppm	07/13/2012 10:57:34 PM	21
22	NPOC	MSD 280-30282-d-1	1.000	NPOC:27.07ppm	07/13/2012 11:15:20 PM	22
23	NPOC	280-30282-d-2	1.000	NPOC:0.4987ppm	07/13/2012 11:33:56 PM	23
24	NPOC	280-30282-d-3	1.000	NPOC:4.295ppm	07/13/2012 11:52:22 PM	24
25	NPOC	280-30282-d-4	1.000	NPOC:0.9719ppm	07/14/2012 12:09:51 AM	25
26	NPOC	280-30282-d-5	1.000	NPOC:0.7233ppm	07/14/2012 12:27:02 AM	26
27	NPOC	280-30282-d-6	1.000	NPOC:0.7337ppm	07/14/2012 12:44:11 AM	27
28	NPOC	CCV	1.000	NPOC:23.97ppm	07/14/2012 01:02:28 AM	28
29	NPOC	CCB	1.000	NPOC:0.1213ppm	07/14/2012 01:20:52 AM	29
30	NPOC	280-30282-d-7	1.000	NPOC:0.7007ppm	07/14/2012 01:38:03 AM	30
31	NPOC	280-30282-d-8	1.000	NPOC:2.280ppm	07/14/2012 01:56:09 AM	31
32	NPOC	280-30282-d-9	1.000	NPOC:0.2361ppm	07/14/2012 02:12:03 AM	32
33	NPOC	LCS	1.000	NPOC:24.08ppm	07/14/2012 02:30:24 AM	33
34	NPOC	LCSD	1.000	NPOC:24.18ppm	07/14/2012 02:48:48 AM	34
35	NPOC	MB	1.000	NPOC:0.1213ppm	07/14/2012 03:07:04 AM	35
36	NPOC	280-30538-j-1	1.000	NPOC:4.113ppm	07/14/2012 03:25:43 AM	36
37	NPOC	280-30538-ac-2	1.000	NPOC:1.025ppm	07/14/2012 03:43:20 AM	37
38	NPOC	MS 280-30538-ac-2	1.000	NPOC:25.35ppm	07/14/2012 04:01:13 AM	38
39	NPOC	MSD 280-30538-ac-2	1.000	NPOC:25.27ppm	07/14/2012 04:19:07 AM	39
40	NPOC	CCV	1.000	NPOC:24.13ppm	07/14/2012 04:37:33 AM	40
41	NPOC	CCB	1.000	NPOC:0.1213ppm	07/14/2012 04:55:55 AM	41
42	NPOC	280-30538-j-3	1.000	NPOC:2.089ppm	07/14/2012 05:14:06 AM	42
43	NPOC	280-30538-j-4	1.000	NPOC:2.109ppm	07/14/2012 05:32:14 AM	43
44	NPOC	280-30543-d-9	1.000	NPOC:6.595ppm	07/14/2012 05:49:03 AM	44
45	NPOC	280-30787-a-9	1.000	NPOC:97.19ppm	07/14/2012 06:10:38 AM	45
46	NPOC	280-30787-a-10	1.000	NPOC:8.906ppm	07/14/2012 06:29:42 AM	46
47	NPOC	280-30787-a-11	1.000	NPOC:3.063ppm	07/14/2012 06:48:00 AM	47
48	NPOC	LCS	1.000	NPOC:24.27ppm	07/14/2012 07:06:16 AM	48
49	NPOC	LCSD	1.000	NPOC:24.25ppm	07/14/2012 07:24:38 AM	49
50	NPOC	MB	1.000	NPOC:0.1213ppm	07/14/2012 07:42:56 AM	50
51	NPOC	280-30456-c-1	10.00	NPOC:1285ppm	07/14/2012 08:05:12 AM	51
52	NPOC	CCV	1.000	NPOC:24.33ppm	07/14/2012 08:23:25 AM	52
53	NPOC	CCB	1.000	NPOC:0.1213ppm	07/14/2012 08:41:52 AM	53
54	NPOC	280-30456-c-2	20.00	NPOC:1938ppm	07/14/2012 09:03:24 AM	54
55	NPOC	280-30456-c-3	20.00	NPOC:2261ppm	07/14/2012 09:25:17 AM	55
56	NPOC	280-30456-c-4	20.00	NPOC:1792ppm	07/14/2012 09:46:51 AM	56
57	NPOC	280-30456-c-5	20.00	NPOC:987.6ppm	07/14/2012 10:05:26 AM	57
58	NPOC	280-30456-c-6	20.00	NPOC:599.2ppm	07/14/2012 10:23:31 AM	58
59	NPOC	280-30457-c-8	1.000	NPOC:3.401ppm	07/14/2012 10:43:58 AM	59
60	NPOC	MS 280-30457-c-8	1.000	NPOC:27.74ppm	07/14/2012 11:01:53 AM	60
61	NPOC	MSD 280-30457-c-8	1.000	NPOC:27.78ppm	07/14/2012 11:19:42 AM	61
62	NPOC	280-30457-c-9	1.000	NPOC:4.151ppm	07/14/2012 11:40:20 AM	62
63	NPOC	280-30457-c-10	1.000	NPOC:2.519ppm	07/14/2012 12:00:31 PM	63
64	NPOC	CCV	1.000	NPOC:24.26ppm	07/14/2012 12:18:43 PM	64
65	NPOC	CCB	1.000	NPOC:0.1213ppm	07/14/2012 12:38:42 PM	65
66	NPOC	280-30457-c-11	1.000	NPOC:2.226ppm	07/14/2012 12:58:41 PM	66
67	NPOC	280-30457-c-12	1.000	NPOC:2.469ppm	07/14/2012 01:18:46 PM	67
68	NPOC	280-30457-c-13	1.000	NPOC:1.436ppm	07/14/2012 01:38:20 PM	68
69	NPOC	280-30497-b-13	1.000	NPOC:0.6255ppm	07/14/2012 01:57:04 PM	69
70	NPOC	MS 280-30497-b-13	1.000	NPOC:24.64ppm	07/14/2012 02:14:42 PM	70

	Analysis	Sample Name	Dilution	Result	Date / Time	Vial
71	NPOC	MSD 280-30497-b-13	1.000	NPOC:24.69ppm	07/14/2012 02:32:34 PM	71
72	NPOC	280-30497-b-14	1.000	NPOC:0.5343ppm	07/14/2012 02:51:17 PM	72
73	NPOC	280-30497-b-15	1.000	NPOC:0.7778ppm	07/14/2012 03:10:15 PM	73
74	NPOC	280-30497-b-16	1.000	NPOC:0.6606ppm	07/14/2012 03:29:11 PM	74
75	NPOC	280-30497-b-17	1.000	NPOC:0.6571ppm	07/14/2012 03:48:07 PM	75
76	NPOC	CCV	1.000	NPOC:23.97ppm	07/14/2012 04:06:22 PM	76
77	NPOC	CCB	1.000	NPOC:0.1213ppm	07/14/2012 04:24:48 PM	77
78	NPOC	280-30497-b-18	1.000	NPOC:0.5112ppm	07/14/2012 04:41:44 PM	78
79	NPOC	CCV	1.000	NPOC:24.11ppm	07/14/2012 05:00:07 PM	79
80	NPOC	CCB	1.000	NPOC:0.1213ppm	07/14/2012 05:18:35 PM	80

Instr.Information

System	TOC-VCSH(2)
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TOC .met
Status	Completed
Chk. Result	

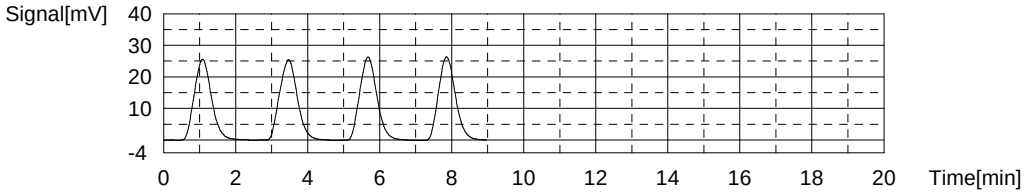
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.07ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.66	18.73ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:02:09 PM
2	88.11	19.26ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:04:35 PM
3	88.00	19.23ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:06:58 PM
4	87.22	19.06ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:09:21 PM

Mean Area 87.25
Mean Conc. 19.07ppm



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TOC .met
Status	Completed
Chk. Result	

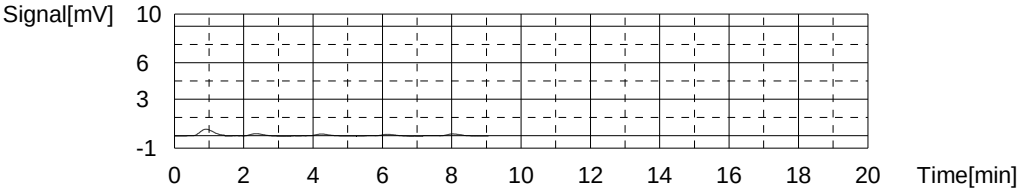
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.282	0.3997ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:19:19 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:21:25 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:23:31 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:25:37 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:27:43 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: LCS
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

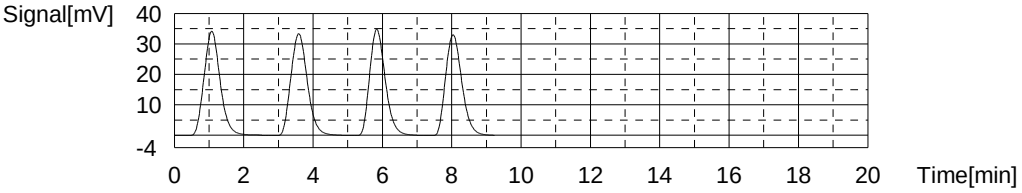
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.10ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.1	24.25ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:38:43 PM
2	111.3	24.29ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:41:13 PM
3	109.9	23.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:43:36 PM
4	109.4	23.88ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:46:02 PM

Mean Area 110.4
Mean Conc. 24.10ppm



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

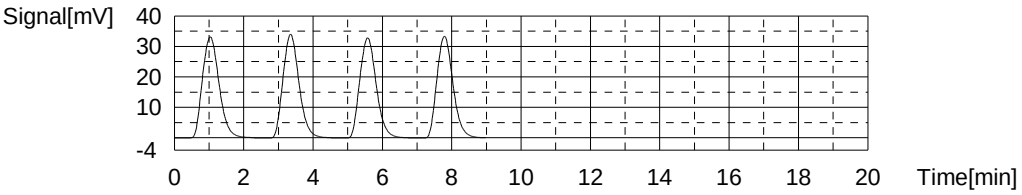
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.03ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.6	24.36ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:56:50 PM
2	110.5	24.12ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:59:15 PM
3	109.4	23.88ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:01:41 PM
4	108.9	23.77ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:04:06 PM

Mean Area 110.1
Mean Conc. 24.03ppm



Sample

Sample Name: MB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

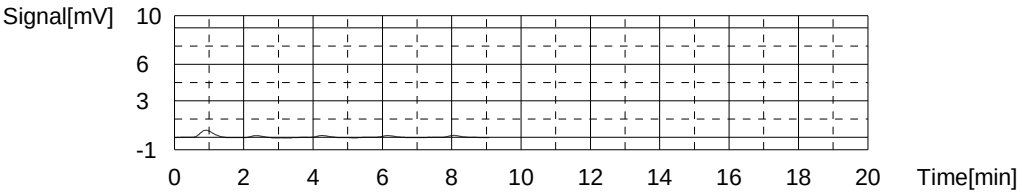
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.361	0.4169ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:14:05 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:16:11 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:18:17 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:20:23 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:22:29 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30635-f-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

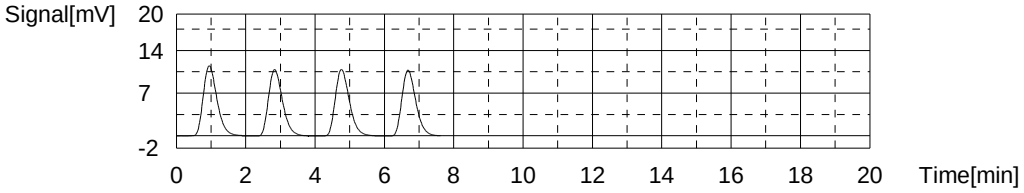
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.856ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	31.72	7.011ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:32:51 PM
2	30.99	6.852ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:34:58 PM
3	30.99	6.852ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:37:05 PM
4	30.33	6.709ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:39:11 PM

Mean Area 31.01
Mean Conc. 6.856ppm



Sample

Sample Name: 280-30235-I-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

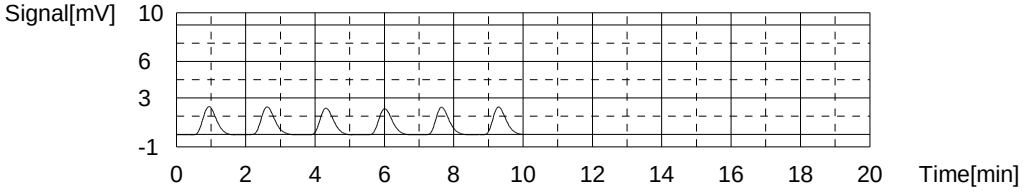
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.397ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.246	1.478ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:49:22 PM
2	6.135	1.454ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:51:16 PM
3	5.878	1.398ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:53:09 PM
4	5.786	1.378ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:55:01 PM
5	5.878	1.398ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:56:52 PM
6	5.956	1.415ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:58:41 PM

Mean Area 5.875
Mean Conc. 1.397ppm



Sample

Sample Name: MS 280-30235-I-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

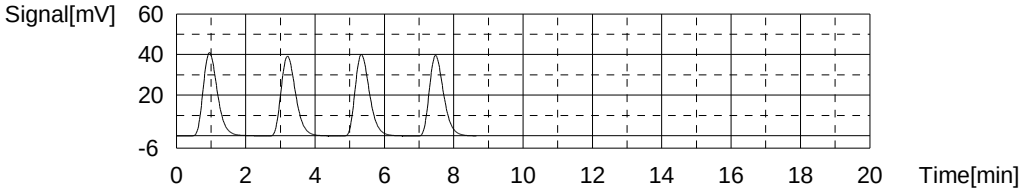
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.44ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	117.7	25.68ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:09:19 PM
2	116.4	25.40ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:11:40 PM
3	117.1	25.55ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:14:00 PM
4	115.1	25.12ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:16:20 PM

Mean Area 116.6
Mean Conc. 25.44ppm



Sample

Sample Name: MSD 280-30235-I-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

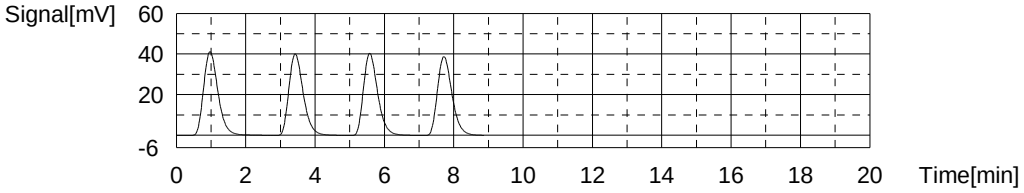
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.47ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	119.8	26.14ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:27:18 PM
2	116.4	25.40ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:29:39 PM
3	116.2	25.36ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:31:58 PM
4	114.4	24.97ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:34:18 PM

Mean Area 116.7
Mean Conc. 25.47ppm



Sample

Sample Name: 280-30235-d-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

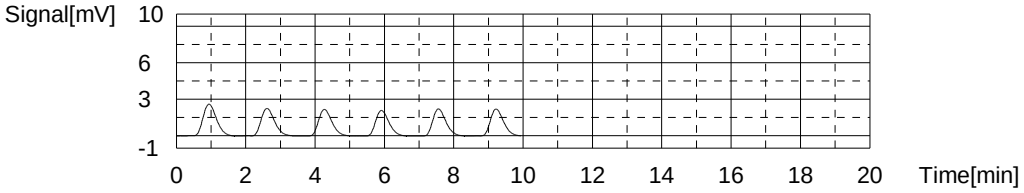
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.400ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.025	1.647ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:44:29 PM
2	6.065	1.439ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:46:20 PM
3	5.783	1.377ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:48:11 PM
4	5.576	1.332ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:50:02 PM
5	5.854	1.393ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:51:54 PM
6	5.853	1.393ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:53:44 PM

Mean Area 5.889
Mean Conc. 1.400ppm



Sample

Sample Name: 280-30235-d-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

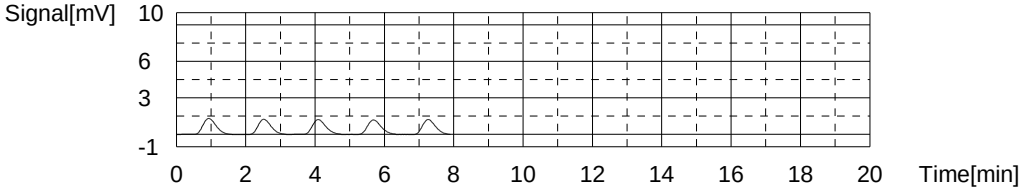
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8059ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.361	0.8513ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:03:44 PM
2	3.193	0.8148ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:05:30 PM
3	3.159	0.8074ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:07:17 PM
4	3.136	0.8024ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:09:04 PM
5	3.121	0.7992ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:10:50 PM

Mean Area 3.152
Mean Conc. 0.8059ppm



Sample

Sample Name: 280-30235-d-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

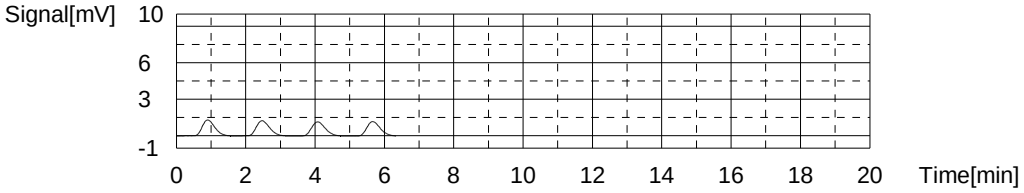
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8063ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.226	0.8220ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:20:52 PM
2	3.211	0.8187ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:22:39 PM
3	3.076	0.7894ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:24:27 PM
4	3.102	0.7950ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:26:15 PM

Mean Area 3.154
Mean Conc. 0.8063ppm



Sample

Sample Name: 280-30235-d-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

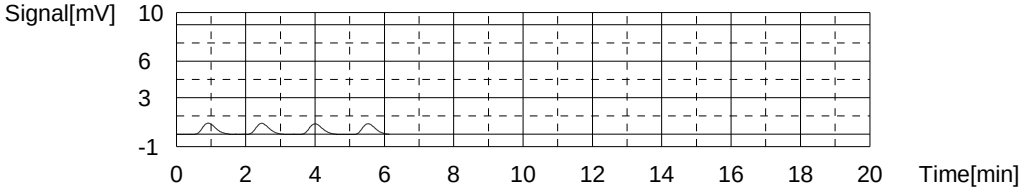
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6195ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.325	0.6263ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:36:17 PM
2	2.315	0.6241ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:38:02 PM
3	2.266	0.6135ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:39:46 PM
4	2.270	0.6143ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:41:29 PM

Mean Area 2.294
Mean Conc. 0.6195ppm



Sample

Sample Name: 280-30235-d-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

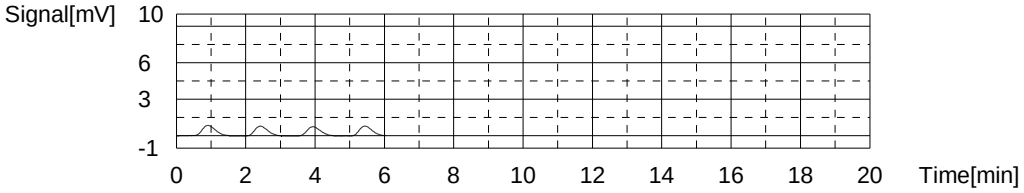
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5586ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.102	0.5778ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:51:30 PM
2	2.011	0.5581ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:53:12 PM
3	1.936	0.5418ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:54:55 PM
4	2.004	0.5566ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:56:37 PM

Mean Area 2.013
Mean Conc. 0.5586ppm



Sample

Sample Name: 280-30235-d-7
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

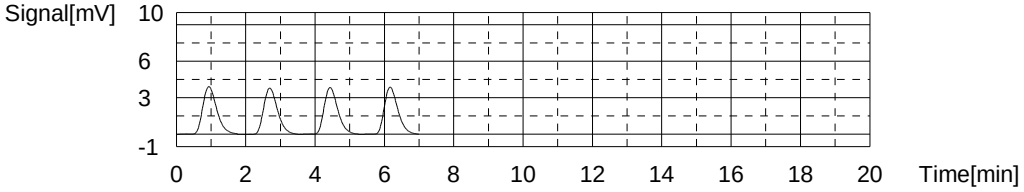
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.414ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.83	2.473ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:06:52 PM
2	10.55	2.413ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:08:49 PM
3	10.42	2.384ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:10:46 PM
4	10.43	2.387ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:12:42 PM

Mean Area 10.56
Mean Conc. 2.414ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

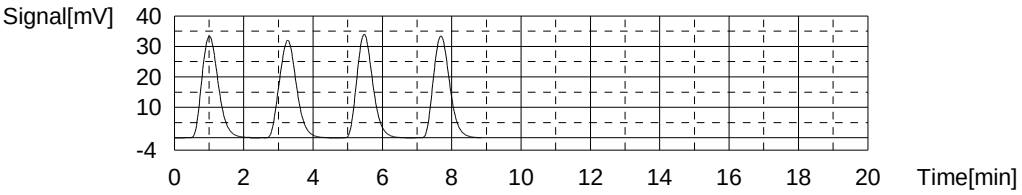
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.08ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	110.2	24.06ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:23:23 PM
2	111.3	24.29ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:25:54 PM
3	109.9	23.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:28:19 PM
4	109.9	23.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:30:42 PM

Mean Area 110.3
Mean Conc. 24.08ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

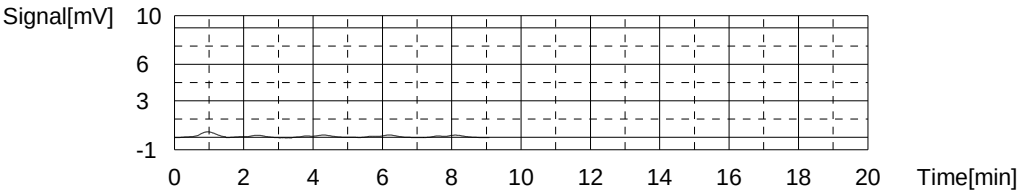
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9581	0.3294ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:40:41 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:42:47 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:44:53 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:46:59 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:49:05 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30235-d-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

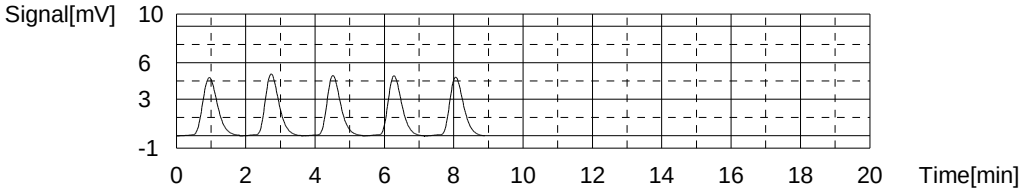
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.022ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.81	3.121ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:59:23 PM
2	13.71	3.099ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:01:22 PM
3	13.27	3.003ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:03:20 PM
4	13.29	3.008ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:05:18 PM
5	13.16	2.980ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:07:16 PM

Mean Area 13.36
Mean Conc. 3.022ppm



Sample

Sample Name: 280-30235-d-9
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

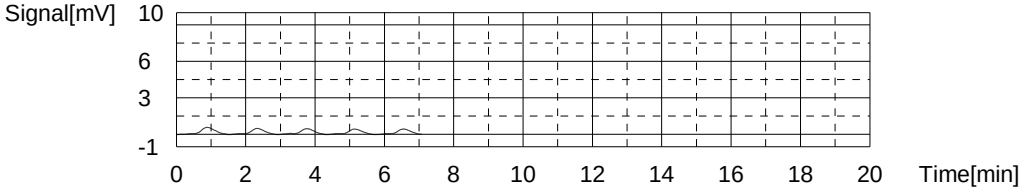
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3302ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.267	0.3965ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:17:13 PM
2	1.073	0.3543ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:18:52 PM
3	0.9258	0.3224ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:20:27 PM
4	0.9267	0.3226ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:22:03 PM
5	0.9213	0.3214ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:23:41 PM

Mean Area 0.9617
Mean Conc. 0.3302ppm



Sample

Sample Name: 280-30282-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

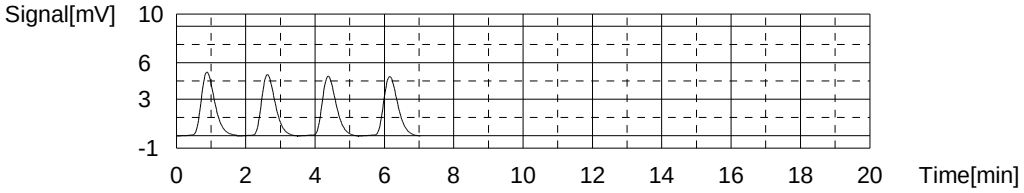
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.090ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.97	3.155ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:33:54 PM
2	13.63	3.082ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:35:51 PM
3	13.46	3.045ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:37:49 PM
4	13.61	3.077ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:39:48 PM

Mean Area 13.67
Mean Conc. 3.090ppm



Sample

Sample Name: MS 280-30282-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

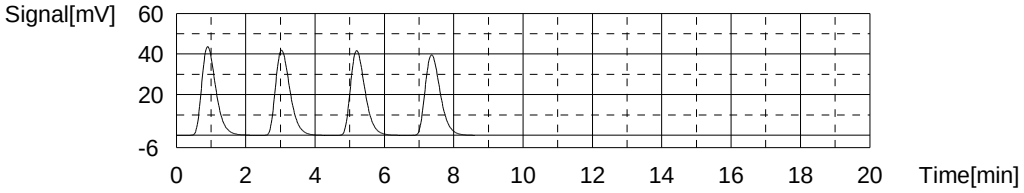
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:26.98ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	125.3	27.34ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:50:29 PM
2	123.6	26.97ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:52:50 PM
3	123.8	27.01ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:55:11 PM
4	122.0	26.62ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:57:34 PM

Mean Area 123.7
Mean Conc. 26.98ppm



Sample

Sample Name: MSD 280-30282-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

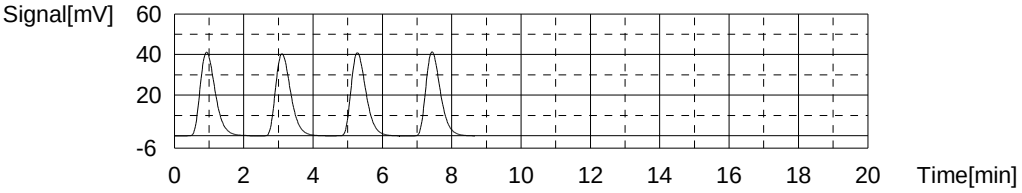
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:27.07ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	125.5	27.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:08:14 PM
2	124.2	27.10ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:10:37 PM
3	123.5	26.94ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:12:58 PM
4	123.1	26.86ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:15:20 PM

Mean Area 124.1
Mean Conc. 27.07ppm



Sample

Sample Name: 280-30282-d-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

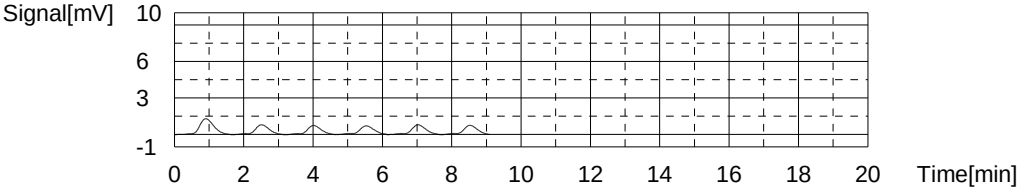
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4987ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.315	0.8413ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:25:27 PM
2	1.842	0.5214ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:27:09 PM
3	1.733	0.4977ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:28:51 PM
4	1.652	0.4801ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:30:33 PM
5	1.897	0.5333ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:32:16 PM
6	1.724	0.4957ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:33:56 PM

Mean Area 1.738
Mean Conc. 0.4987ppm



Sample

Sample Name: 280-30282-d-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

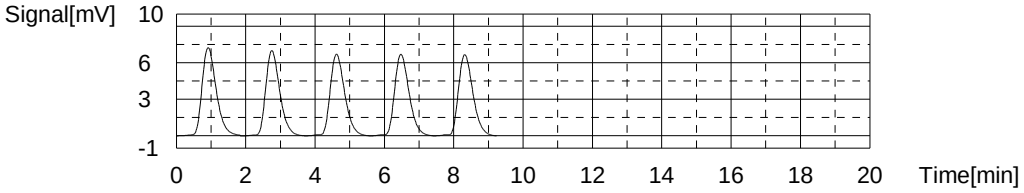
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.295ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	20.11	4.489ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:44:10 PM
2	19.45	4.346ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:46:13 PM
3	19.19	4.289ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:48:16 PM
4	19.11	4.272ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:50:19 PM
5	19.12	4.274ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:52:22 PM

Mean Area 19.22
Mean Conc. 4.295ppm



Sample

Sample Name: 280-30282-d-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

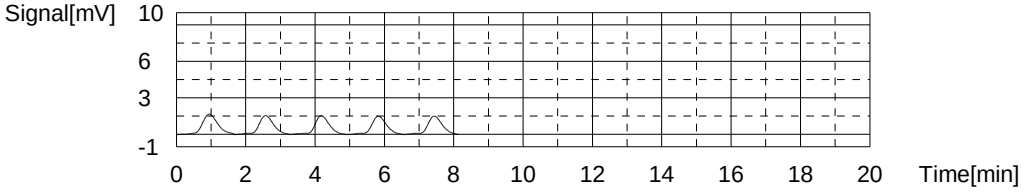
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9719ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.471	1.092ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:02:30 AM
2	3.945	0.9781ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:04:19 AM
3	3.945	0.9781ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:06:11 AM
4	3.902	0.9688ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:08:01 AM
5	3.873	0.9625ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:09:51 AM

Mean Area 3.916
Mean Conc. 0.9719ppm



Sample

Sample Name: 280-30282-d-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

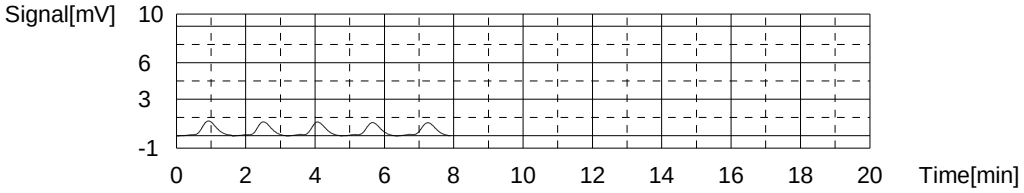
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7233ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.051	0.7839ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:19:56 AM
2	2.872	0.7451ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:21:42 AM
3	2.760	0.7207ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:23:28 AM
4	2.718	0.7116ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:25:15 AM
5	2.737	0.7158ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:27:02 AM

Mean Area 2.772
Mean Conc. 0.7233ppm



Sample

Sample Name: 280-30282-d-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

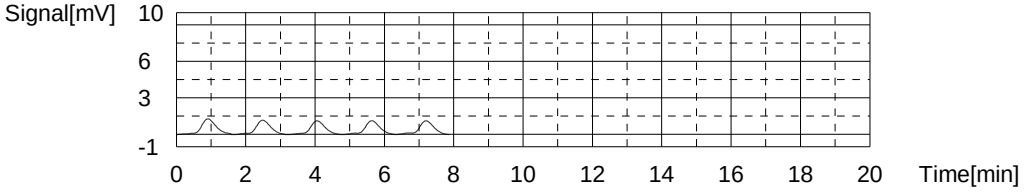
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7337ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.138	0.8028ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:37:05 AM
2	2.958	0.7638ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:38:51 AM
3	2.750	0.7186ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:40:38 AM
4	2.805	0.7305ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:42:24 AM
5	2.766	0.7221ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:44:11 AM

Mean Area 2.820
Mean Conc. 0.7337ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

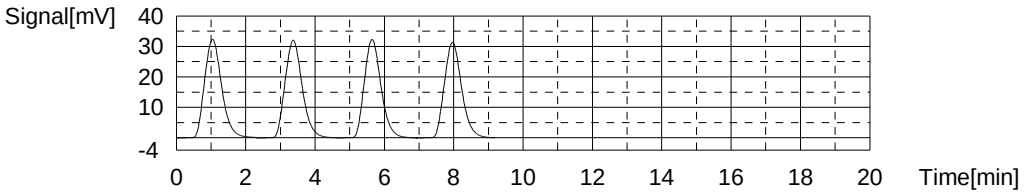
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.97ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	110.8	24.19ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:54:58 AM
2	110.7	24.16ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:57:28 AM
3	108.9	23.77ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:59:58 AM
4	108.9	23.77ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:02:28 AM

Mean Area 109.8
Mean Conc. 23.97ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

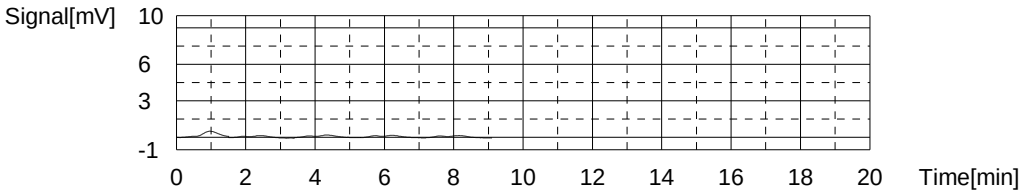
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.087	0.3574ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:12:28 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:14:34 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:16:40 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:18:46 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:20:52 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30282-d-7
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

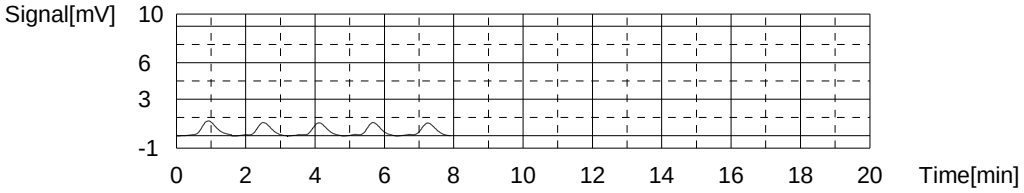
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7007ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.111	0.7970ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:30:56 AM
2	2.739	0.7162ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:32:44 AM
3	2.680	0.7034ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:34:31 AM
4	2.654	0.6977ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:36:16 AM
5	2.597	0.6853ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:38:03 AM

Mean Area 2.668
Mean Conc. 0.7007ppm



Sample

Sample Name: 280-30282-d-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

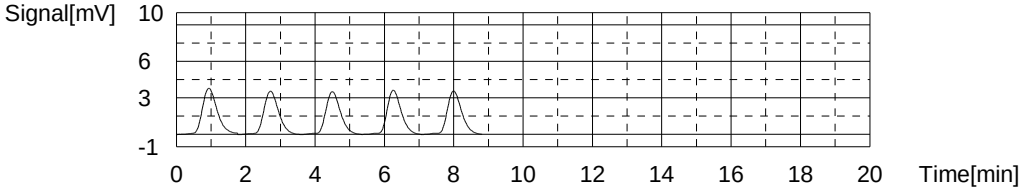
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.280ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.55	2.413ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:48:18 AM
2	10.15	2.326ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:50:17 AM
3	9.858	2.262ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:52:16 AM
4	9.826	2.255ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:54:12 AM
5	9.914	2.275ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:56:09 AM

Mean Area 9.937
Mean Conc. 2.280ppm



Sample

Sample Name: 280-30282-d-9
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

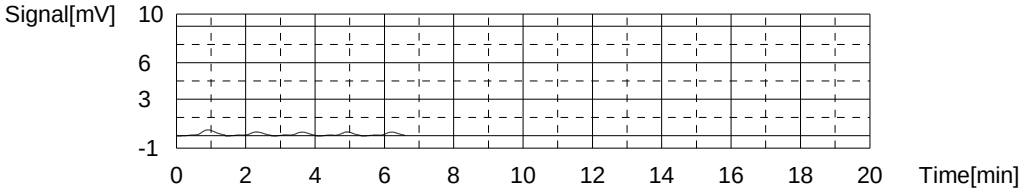
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2361ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9344	0.3242ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:06:03 AM
2	0.5612	0.2432ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:07:35 AM
3	0.5012	0.2302ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:09:05 AM
4	0.5332	0.2371ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:10:34 AM
5	0.5196	0.2342ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:12:03 AM

Mean Area 0.5288
Mean Conc. 0.2361ppm



Sample

Sample Name: LCS
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

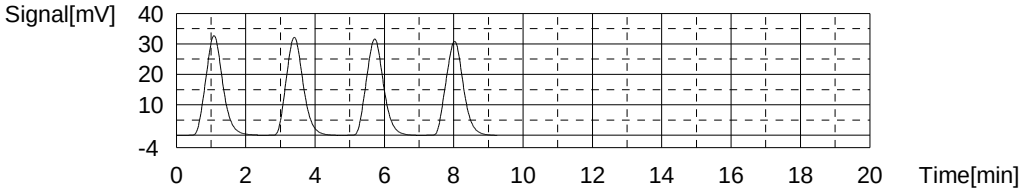
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.08ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.3	24.51ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:22:53 AM
2	110.2	24.06ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:25:23 AM
3	110.1	24.03ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:27:53 AM
4	108.6	23.71ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:30:24 AM

Mean Area 110.3
Mean Conc. 24.08ppm



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

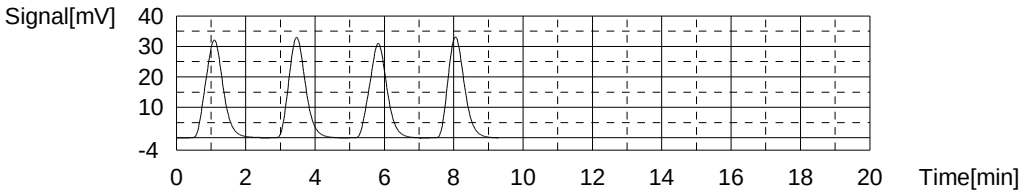
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.18ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.8	24.62ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:41:20 AM
2	110.9	24.21ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:43:49 AM
3	109.2	23.84ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:46:21 AM
4	110.2	24.06ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:48:48 AM

Mean Area 110.8
Mean Conc. 24.18ppm



Sample

Sample Name: MB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

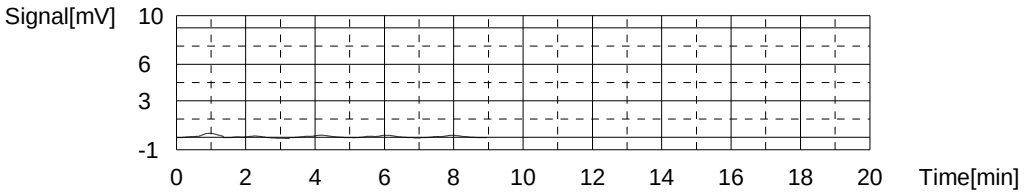
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5560	0.2421ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:58:40 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:00:46 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:02:52 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:04:58 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:07:04 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30538-j-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

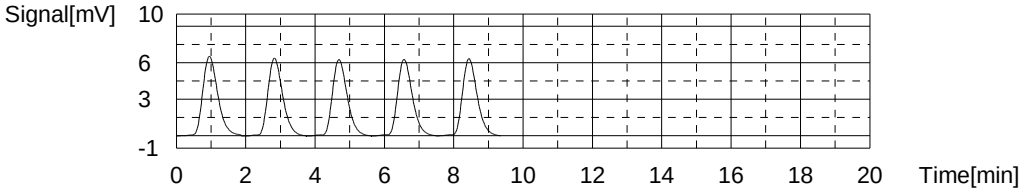
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.113ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.11	4.272ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:17:26 AM
2	18.69	4.181ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:19:30 AM
3	18.29	4.094ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:21:35 AM
4	18.27	4.089ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:23:39 AM
5	18.26	4.087ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:25:43 AM

Mean Area 18.38
Mean Conc. 4.113ppm



Sample

Sample Name: 280-30538-ac-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

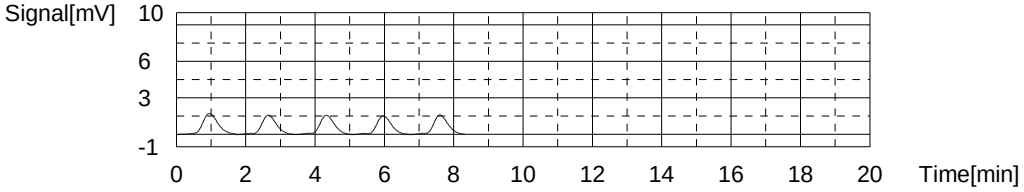
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.025ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.742	1.151ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:35:55 AM
2	4.256	1.046ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:37:48 AM
3	4.126	1.017ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:39:38 AM
4	4.060	1.003ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:41:30 AM
5	4.204	1.034ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:43:20 AM

Mean Area 4.162
Mean Conc. 1.025ppm



Sample

Sample Name: MS 280-30538-ac-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

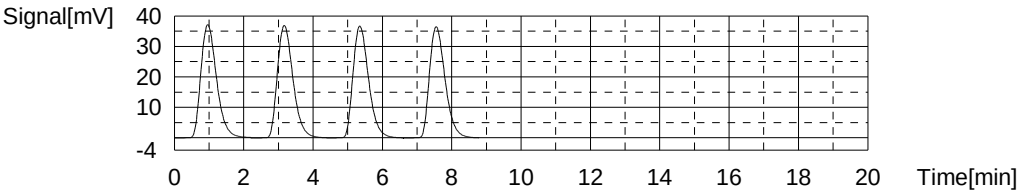
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.35ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	117.4	25.62ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:54:02 AM
2	116.6	25.45ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:56:25 AM
3	115.6	25.23ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:58:50 AM
4	115.1	25.12ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:01:13 AM

Mean Area 116.2
Mean Conc. 25.35ppm



Sample

Sample Name: MSD 280-30538-ac-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

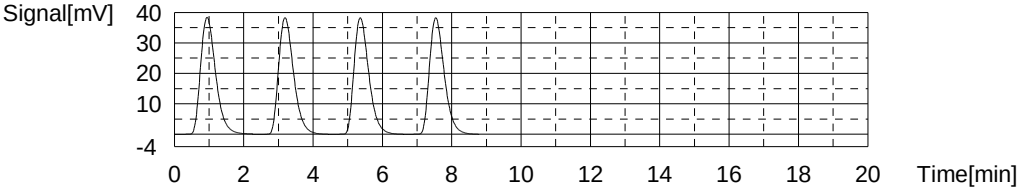
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.27ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	117.1	25.55ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:11:59 AM
2	116.6	25.45ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:14:22 AM
3	114.6	25.01ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:16:44 AM
4	114.9	25.08ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:19:07 AM

Mean Area 115.8
Mean Conc. 25.27ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

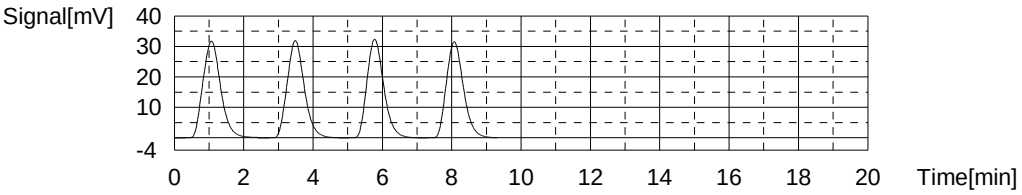
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.13ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.1	24.69ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:30:02 AM
2	110.3	24.08ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:32:34 AM
3	109.9	23.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:35:03 AM
4	108.9	23.77ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:37:33 AM

Mean Area 110.6
Mean Conc. 24.13ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

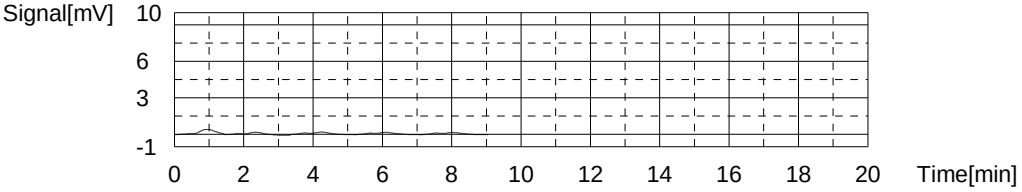
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9149	0.3200ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:47:31 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:49:37 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:51:43 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:53:49 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:55:55 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30538-j-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

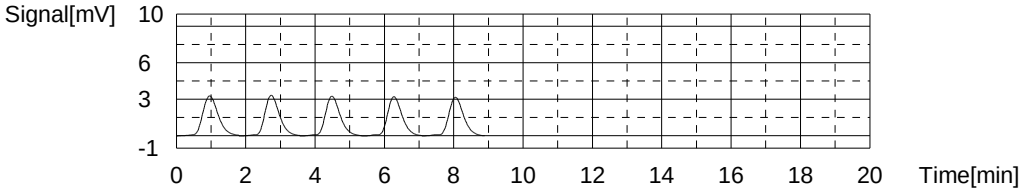
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.089ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.601	2.207ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:06:13 AM
2	9.218	2.123ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:08:10 AM
3	9.158	2.110ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:10:09 AM
4	8.949	2.065ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:12:06 AM
5	8.908	2.056ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:14:06 AM

Mean Area 9.058
Mean Conc. 2.089ppm



Sample

Sample Name: 280-30538-j-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

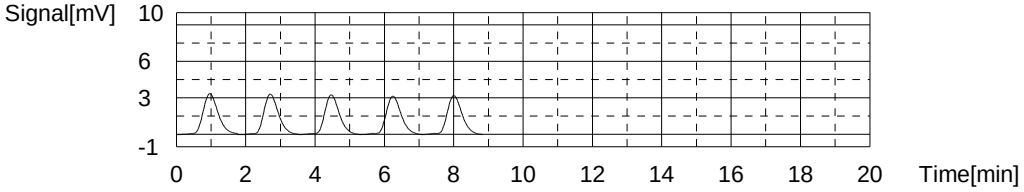
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.109ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.520	2.189ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:24:22 AM
2	9.388	2.160ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:26:19 AM
3	9.115	2.101ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:28:17 AM
4	8.990	2.074ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:30:15 AM
5	9.108	2.099ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:32:14 AM

Mean Area 9.150
Mean Conc. 2.109ppm



Sample

Sample Name: 280-30543-d-9
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

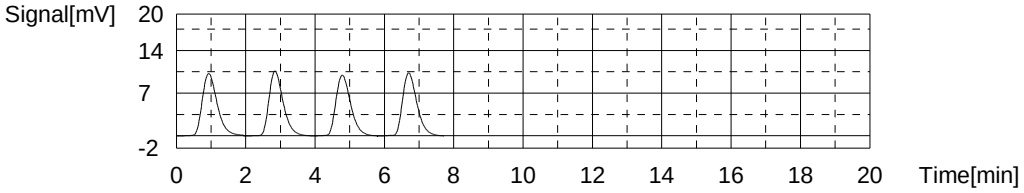
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.595ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	30.03	6.644ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:42:40 AM
2	30.16	6.672ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:44:47 AM
3	29.42	6.511ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:46:55 AM
4	29.61	6.552ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:49:03 AM

Mean Area 29.81
Mean Conc. 6.595ppm



Sample

Sample Name: 280-30787-a-9
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

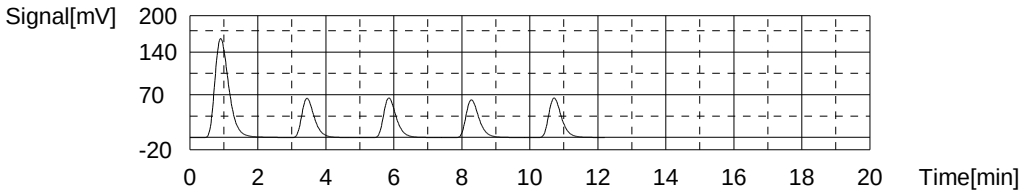
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:97.19ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	467.1	101.6ppm	50uL	1	R	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:00:09 AM
2	168.4	96.37ppm	19uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:02:45 AM
3	171.4	98.09ppm	19uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:05:26 AM
4	167.1	95.63ppm	19uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:08:04 AM
5	172.4	98.66ppm	19uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:10:38 AM

Mean Area 169.8
Mean Conc. 97.19ppm



Sample

Sample Name: 280-30787-a-10
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

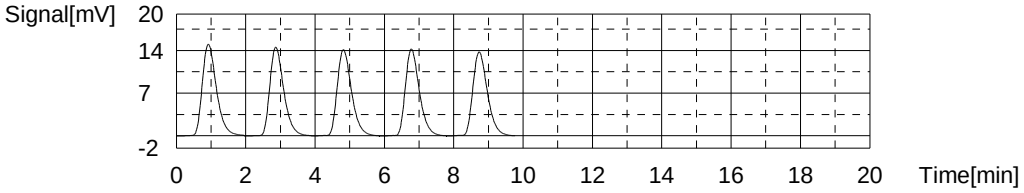
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.906ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.46	9.343ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:21:05 AM
2	40.86	8.996ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:23:13 AM
3	40.66	8.952ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:25:23 AM
4	40.07	8.824ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:27:31 AM
5	40.19	8.850ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:29:42 AM

Mean Area 40.45
Mean Conc. 8.906ppm



Sample

Sample Name: 280-30787-a-11
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

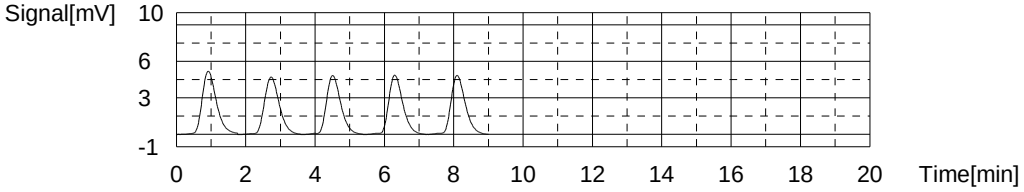
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.063ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.24	3.214ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:39:58 AM
2	13.73	3.103ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:41:59 AM
3	13.55	3.064ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:43:59 AM
4	13.38	3.027ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:45:59 AM
5	13.52	3.058ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:48:00 AM

Mean Area 13.55
Mean Conc. 3.063ppm



Sample

Sample Name: LCS
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

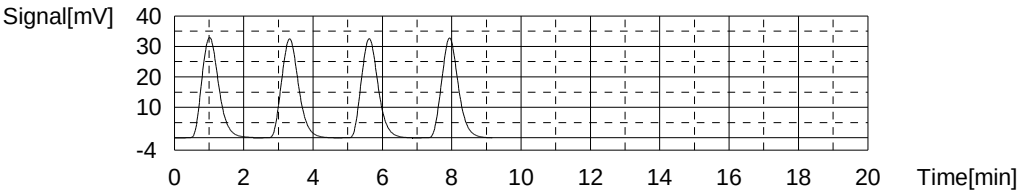
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.27ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.5	24.34ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:58:46 AM
2	112.1	24.47ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:01:17 AM
3	110.5	24.12ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:03:46 AM
4	110.7	24.16ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:06:16 AM

Mean Area 111.2
Mean Conc. 24.27ppm



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

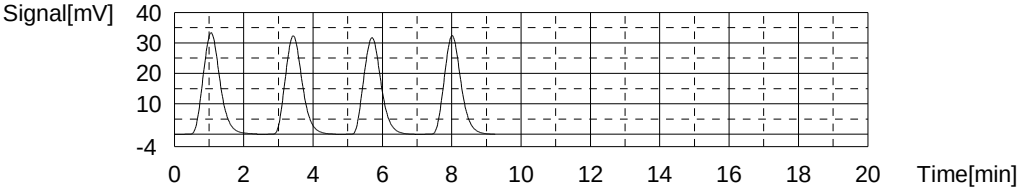
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.25ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.4	24.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:17:10 AM
2	110.1	24.03ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:19:38 AM
3	111.2	24.27ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:22:08 AM
4	109.7	23.95ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:24:38 AM

Mean Area 111.1
Mean Conc. 24.25ppm



Sample

Sample Name: MB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

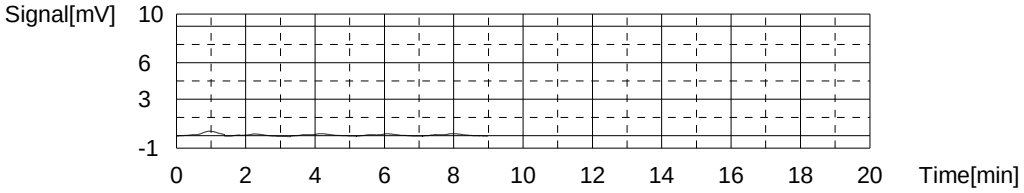
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6092	0.2536ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:34:32 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:36:38 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:38:44 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:40:50 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:42:56 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30456-c-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

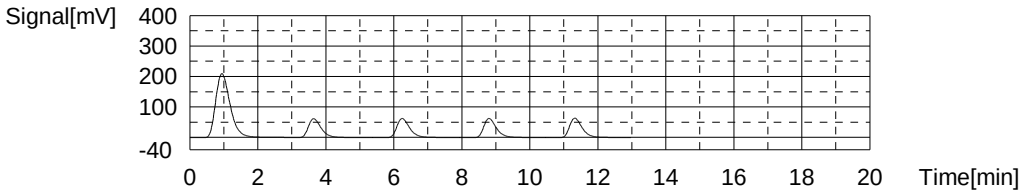
Type	Anal.	Dil.	Result
Unknown	NPOC	10.00	NPOC:1285ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	625.4	1360ppm	50uL	1	R	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:54:12 AM
2	164.1	1274ppm	14uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:57:00 AM
3	166.1	1290ppm	14uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:59:46 AM
4	164.7	1279ppm	14uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:02:29 AM
5	167.2	1298ppm	14uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:05:12 AM

Mean Area 165.5
Mean Conc. 1285ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

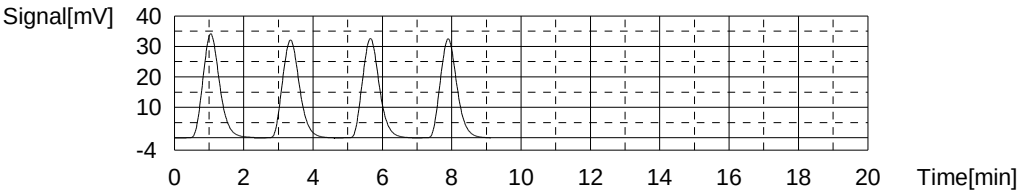
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.33ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	114.2	24.92ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:16:00 AM
2	110.7	24.16ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:18:30 AM
3	111.2	24.27ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:20:57 AM
4	109.7	23.95ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:23:25 AM

Mean Area 111.5
Mean Conc. 24.33ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

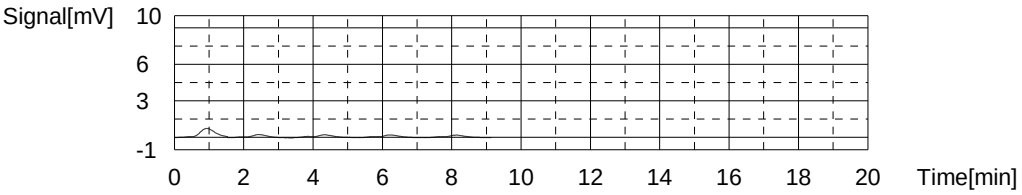
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.784	0.5088ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:33:28 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:35:34 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:37:40 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:39:46 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:41:52 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30456-c-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

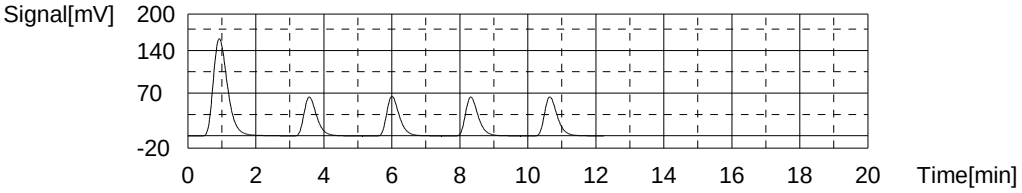
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:1938ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	467.4	2033ppm	50uL	1	R	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:53:04 AM
2	168.8	1932ppm	19uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:55:42 AM
3	170.0	1946ppm	19uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:58:13 AM
4	168.5	1929ppm	19uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:00:44 AM
5	170.1	1947ppm	19uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:03:24 AM

Mean Area 169.3
Mean Conc. 1938ppm



Sample

Sample Name: 280-30456-c-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

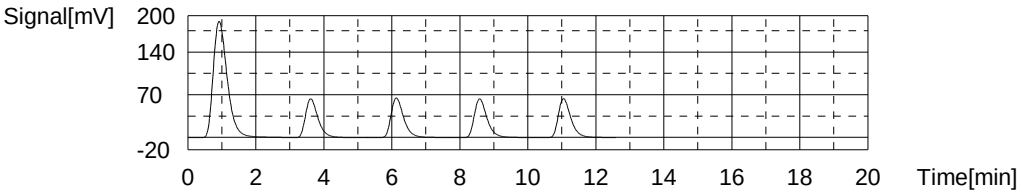
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:2261ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	549.1	2388ppm	50uL	1	R	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:14:39 AM
2	164.3	2233ppm	16uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:17:22 AM
3	169.2	2299ppm	16uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:20:00 AM
4	166.5	2263ppm	16uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:22:41 AM
5	165.5	2249ppm	16uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:25:17 AM

Mean Area 166.4
Mean Conc. 2261ppm



Sample

Sample Name: 280-30456-c-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

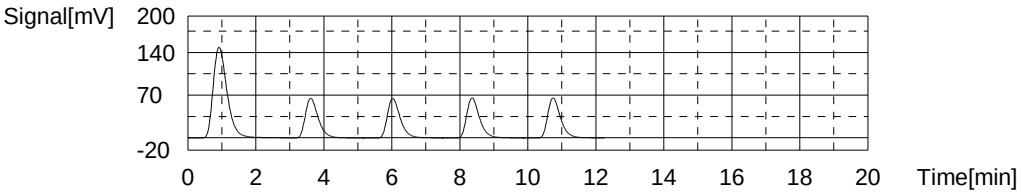
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:1792ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	424.3	1846ppm	50uL	1	R	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:36:32 AM
2	173.1	1793ppm	21uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:39:09 AM
3	171.7	1778ppm	21uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:41:41 AM
4	173.4	1796ppm	21uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:44:16 AM
5	173.8	1800ppm	21uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:46:51 AM

Mean Area 173.0
Mean Conc. 1792ppm



Sample

Sample Name: 280-30456-c-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

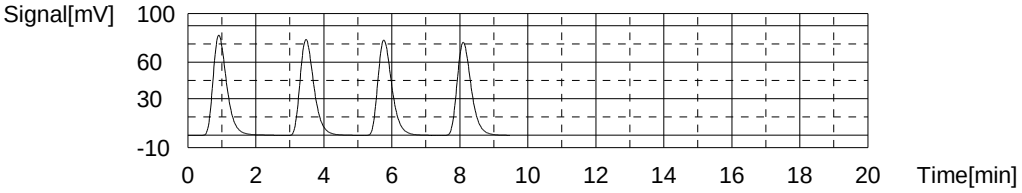
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:987.6ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	230.7	1005ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:57:54 AM
2	226.5	986.3ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:00:24 AM
3	226.8	987.6ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:02:55 AM
4	223.2	972.0ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:05:26 AM

Mean Area 226.8
Mean Conc. 987.6ppm



Sample

Sample Name: 280-30456-c-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

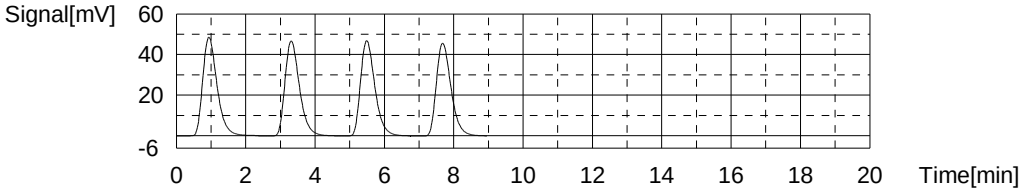
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:599.2ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	140.4	612.3ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:16:20 AM
2	137.2	598.4ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:18:43 AM
3	136.4	594.9ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:21:06 AM
4	135.5	591.0ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:23:31 AM

Mean Area 137.4
Mean Conc. 599.2ppm



Sample

Sample Name: 280-30457-c-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

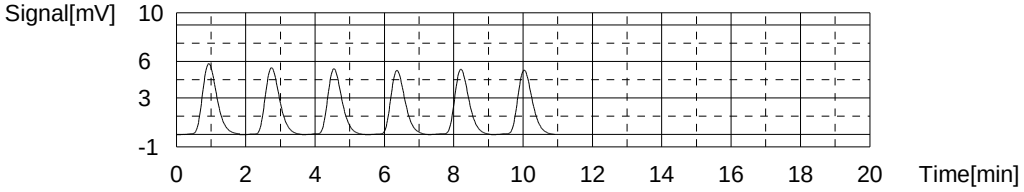
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.401ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.50	3.705ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:33:52 AM
2	15.66	3.523ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:35:52 AM
3	15.23	3.429ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:37:53 AM
4	14.95	3.368ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:39:55 AM
5	15.09	3.399ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:41:56 AM
6	15.13	3.407ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:43:58 AM

Mean Area 15.10
Mean Conc. 3.401ppm



Sample

Sample Name: MS 280-30457-c-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

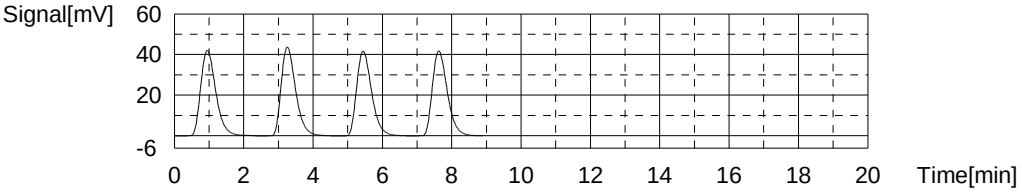
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:27.74ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	127.9	27.90ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:54:44 AM
2	127.9	27.90ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:57:06 AM
3	126.2	27.53ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:59:29 AM
4	126.6	27.62ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:01:53 AM

Mean Area 127.2
Mean Conc. 27.74ppm



Sample

Sample Name: MSD 280-30457-c-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

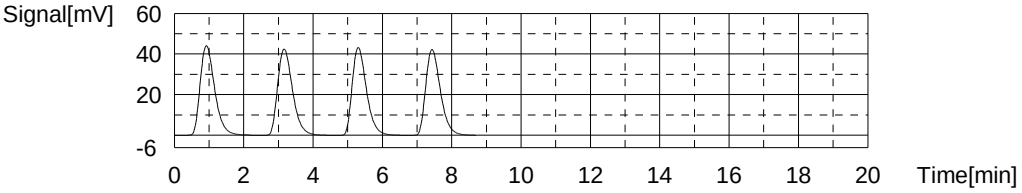
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:27.78ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	129.5	28.25ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:12:38 AM
2	128.5	28.03ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:15:00 AM
3	125.2	27.31ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:17:19 AM
4	126.2	27.53ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:19:42 AM

Mean Area 127.3
Mean Conc. 27.78ppm



Sample

Sample Name: 280-30457-c-9
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

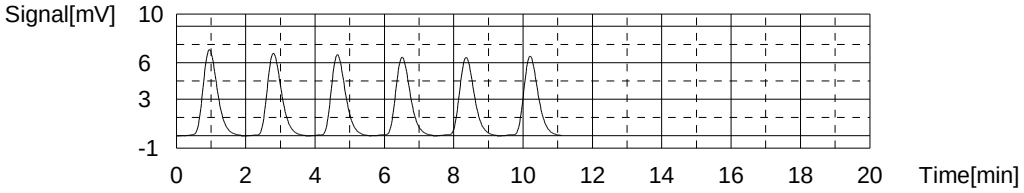
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.151ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.98	4.461ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:30:06 AM
2	19.28	4.309ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:32:09 AM
3	18.78	4.200ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:34:12 AM
4	18.38	4.113ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:36:14 AM
5	18.56	4.152ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:38:17 AM
6	18.50	4.139ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:40:20 AM

Mean Area 18.56
Mean Conc. 4.151ppm



Sample

Sample Name: 280-30457-c-10
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

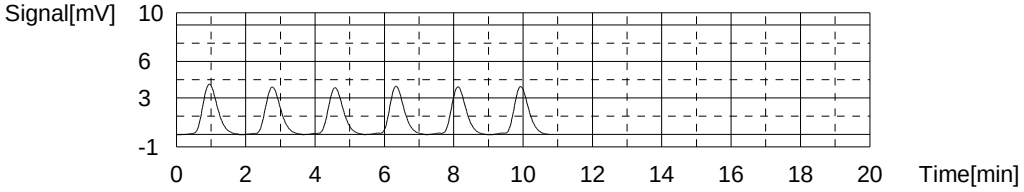
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.519ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.84	2.693ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:50:34 AM
2	11.53	2.626ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:52:35 AM
3	11.11	2.534ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:54:34 AM
4	10.98	2.506ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:56:32 AM
5	11.07	2.526ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:58:33 AM
6	11.00	2.510ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:00:31 PM

Mean Area 11.04
Mean Conc. 2.519ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

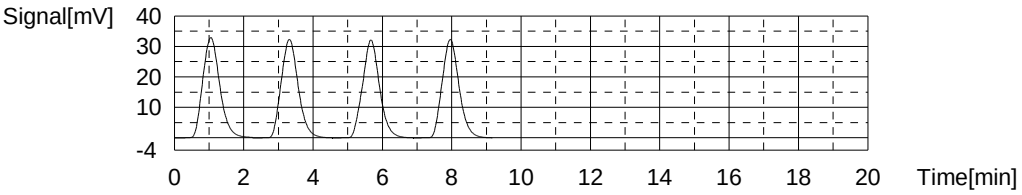
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.26ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.5	24.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:11:12 PM
2	111.1	24.25ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:13:42 PM
3	110.5	24.12ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:16:14 PM
4	110.4	24.10ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:18:43 PM

Mean Area 111.1
Mean Conc. 24.26ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

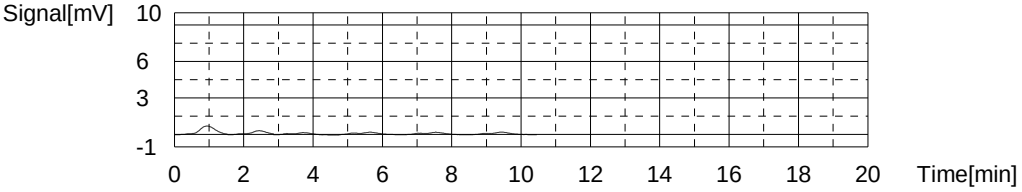
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.771	0.5059ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:28:47 PM
2	0.4671	0.2227ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:30:18 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:32:24 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:34:30 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:36:36 PM
6	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:38:42 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30457-c-11
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

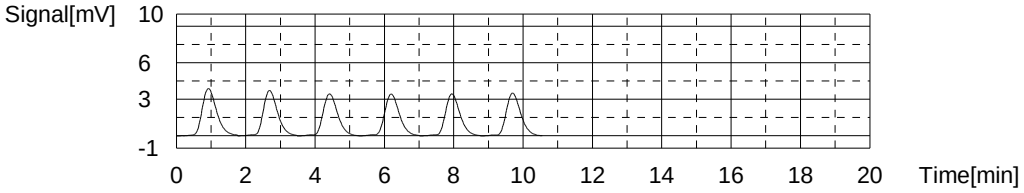
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.226ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.80	2.467ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:48:54 PM
2	10.22	2.341ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:50:49 PM
3	9.670	2.222ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:52:47 PM
4	9.680	2.224ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:54:45 PM
5	9.546	2.195ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:56:42 PM
6	9.875	2.266ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:58:41 PM

Mean Area 9.693
Mean Conc. 2.226ppm



Sample

Sample Name: 280-30457-c-12
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

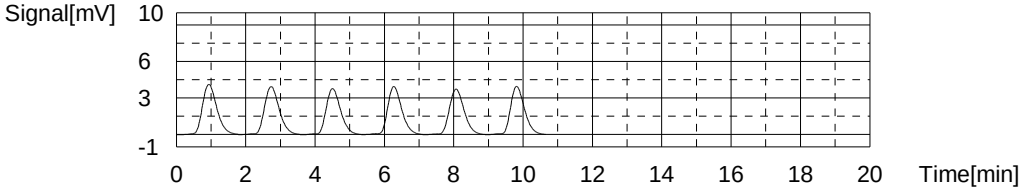
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.469ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.63	2.647ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:08:54 PM
2	11.33	2.582ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:10:53 PM
3	10.75	2.456ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:12:52 PM
4	10.81	2.469ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:14:49 PM
5	10.86	2.480ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:16:49 PM
6	10.82	2.471ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:18:46 PM

Mean Area 10.81
Mean Conc. 2.469ppm



Sample

Sample Name: 280-30457-c-13
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

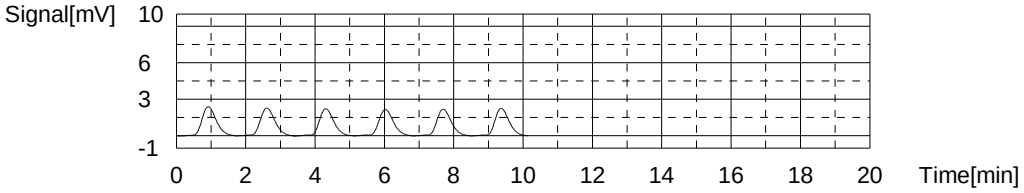
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.436ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.580	1.550ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:28:52 PM
2	6.443	1.521ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:30:47 PM
3	6.113	1.449ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:32:41 PM
4	5.983	1.421ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:34:34 PM
5	6.028	1.431ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:36:27 PM
6	6.087	1.443ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:38:20 PM

Mean Area 6.053
Mean Conc. 1.436ppm



Sample

Sample Name: 280-30497-b-13
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

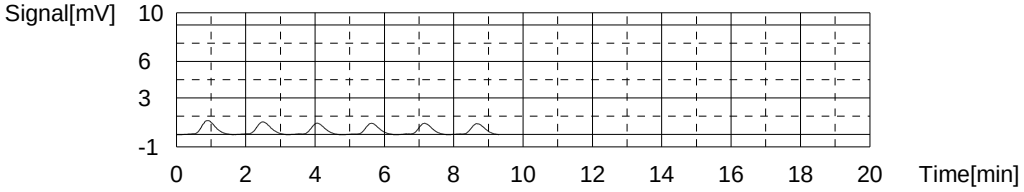
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6255ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.944	0.7607ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:48:21 PM
2	2.692	0.7060ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:50:07 PM
3	2.388	0.6400ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:51:53 PM
4	2.334	0.6282ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:53:37 PM
5	2.268	0.6139ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:55:20 PM
6	2.296	0.6200ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:57:04 PM

Mean Area 2.322
Mean Conc. 0.6255ppm



Sample

Sample Name: MS 280-30497-b-13
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

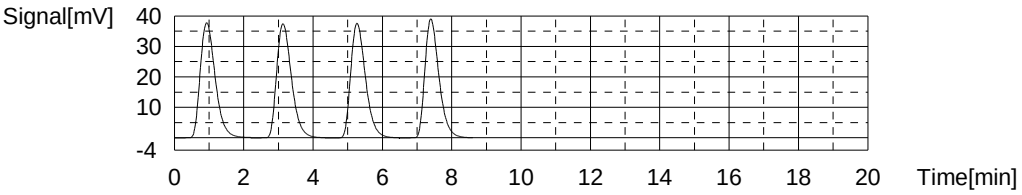
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.64ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	114.4	24.97ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:07:42 PM
2	112.7	24.60ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:10:02 PM
3	112.7	24.60ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:12:23 PM
4	111.7	24.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:14:42 PM

Mean Area 112.9
Mean Conc. 24.64ppm



Sample

Sample Name: MSD 280-30497-b-13
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

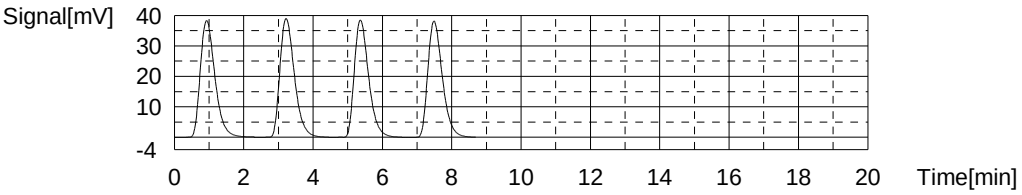
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.69ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.6	24.79ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:25:32 PM
2	114.9	25.08ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:27:53 PM
3	111.6	24.36ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:30:15 PM
4	112.4	24.53ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:32:34 PM

Mean Area 113.1
Mean Conc. 24.69ppm



Sample

Sample Name: 280-30497-b-14
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

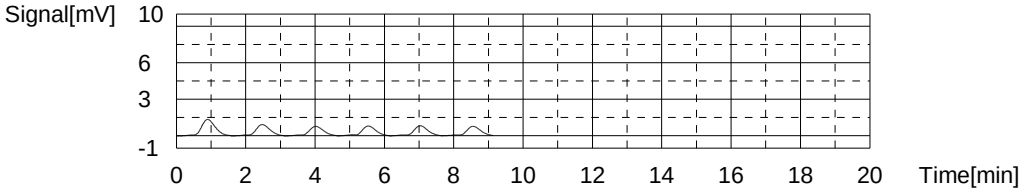
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5343ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.306	0.8393ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:42:40 PM
2	2.240	0.6078ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:44:24 PM
3	1.895	0.5329ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:46:08 PM
4	1.882	0.5301ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:47:50 PM
5	1.978	0.5509ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:49:33 PM
6	1.851	0.5233ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:51:17 PM

Mean Area 1.902
Mean Conc. 0.5343ppm



Sample

Sample Name: 280-30497-b-15
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

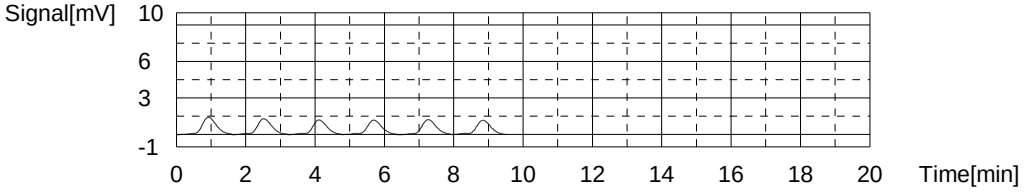
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7778ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.590	0.9010ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:01:20 PM
2	3.263	0.8300ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:03:08 PM
3	3.033	0.7800ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:04:54 PM
4	3.011	0.7753ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:06:41 PM
5	3.054	0.7846ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:08:27 PM
6	2.992	0.7711ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:10:15 PM

Mean Area 3.023
Mean Conc. 0.7778ppm



Sample

Sample Name: 280-30497-b-16
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

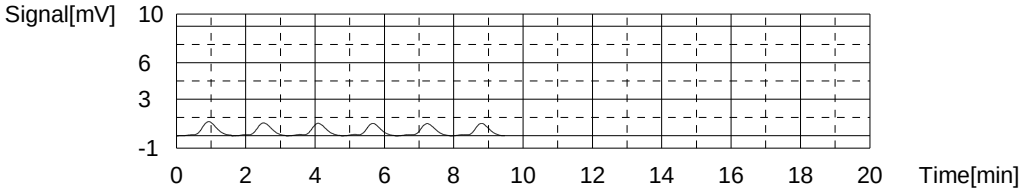
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6606ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.920	0.7555ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:20:17 PM
2	2.740	0.7164ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:22:04 PM
3	2.525	0.6697ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:23:51 PM
4	2.456	0.6547ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:25:37 PM
5	2.481	0.6602ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:27:23 PM
6	2.471	0.6580ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:29:11 PM

Mean Area 2.483
Mean Conc. 0.6606ppm



Sample

Sample Name: 280-30497-b-17
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

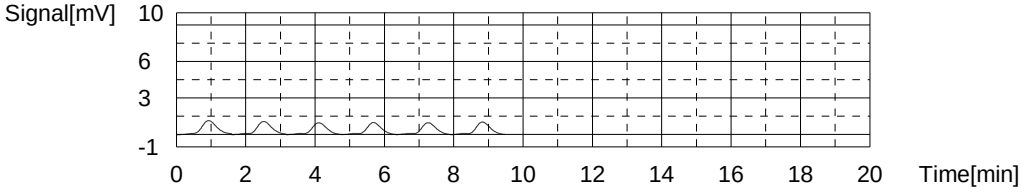
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6571ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.834	0.7368ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:39:13 PM
2	2.689	0.7053ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:41:00 PM
3	2.443	0.6519ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:42:47 PM
4	2.421	0.6471ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:44:34 PM
5	2.441	0.6515ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:46:20 PM
6	2.562	0.6777ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:48:07 PM

Mean Area 2.467
Mean Conc. 0.6571ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

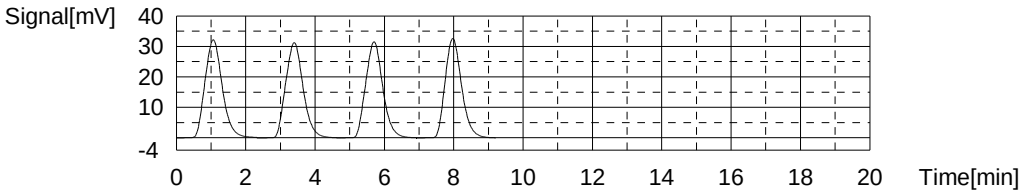
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.97ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.7	24.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:58:53 PM
2	110.0	24.01ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:01:23 PM
3	109.1	23.82ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:03:54 PM
4	108.5	23.69ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:06:22 PM

Mean Area 109.8
Mean Conc. 23.97ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

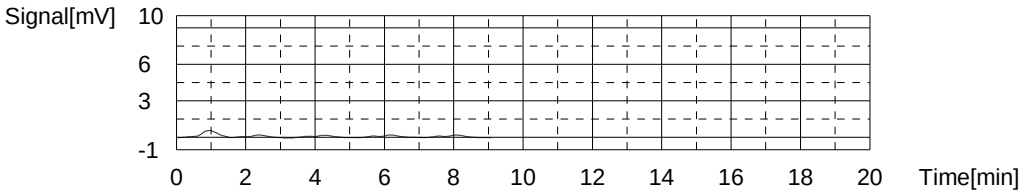
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.309	0.4056ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:16:24 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:18:30 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:20:36 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:22:42 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:24:48 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30497-b-18
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

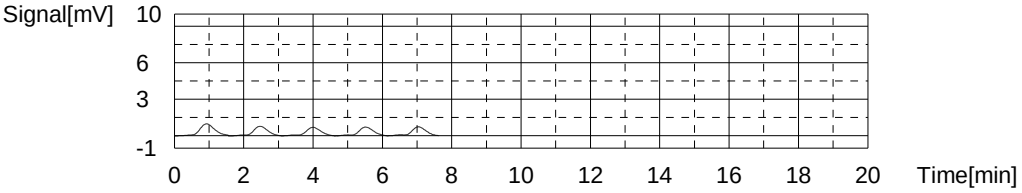
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5112ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.474	0.6586ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:34:52 PM
2	1.930	0.5405ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:36:35 PM
3	1.748	0.5009ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:38:19 PM
4	1.759	0.5033ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:40:02 PM
5	1.743	0.4999ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:41:44 PM

Mean Area 1.795
Mean Conc. 0.5112ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

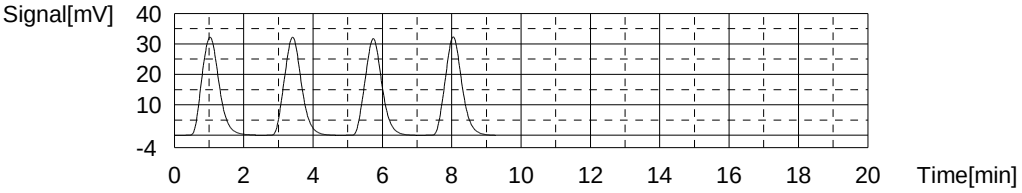
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.11ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.6	24.36ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:52:35 PM
2	111.7	24.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:55:06 PM
3	109.0	23.80ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:57:37 PM
4	109.5	23.90ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:00:07 PM

Mean Area 110.5
Mean Conc. 24.11ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

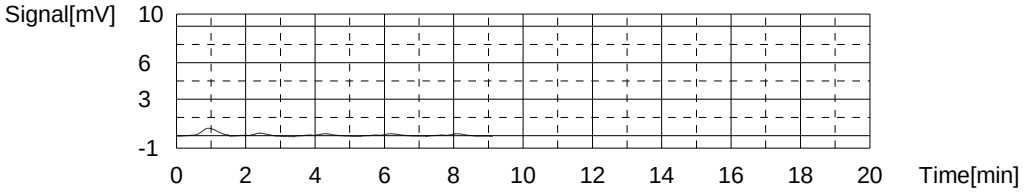
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.522	0.4519ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:10:11 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:12:17 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:14:23 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:16:29 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:18:35 PM

Mean Area	0.000
Mean Conc.	0.1213ppm



TOC-V Cal Curve Information
1-50 PPM TOC.2012_07_12_09_13_34.cal

Date of Creation	11:15:53 AM 10/28/2005
User	DEANN
System	TOC-VCSH

Cal. Curve

Sample Name:	cal
Sample ID:	CAL
Cal. Curve:	1-50 PPM TOC.2012_07_12_09_13_34.cal
Status	Completed
Comment:	

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.000	50uL	1	*******		07/12/2012 09:21:59 A
2	0.000	50uL	1	*******		07/12/2012 09:24:05 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	0.000
SD Area	0.000
CV Area	0.00%
Vial	88

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.830	50uL	1	*******		07/12/2012 09:34:28 A
2	4.828	50uL	1	*******		07/12/2012 09:36:29 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	4.829
SD Area	0.00141
CV Area	0.03%
Vial	89

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	22.31	50uL	1	*******		07/12/2012 09:47:06 A
2	22.13	50uL	1	*******		07/12/2012 09:49:19 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	22.22
SD Area	0.1273
CV Area	0.57%
Vial	90

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	44.87	50uL	1	*******		07/12/2012 10:00:03 A
2	44.70	50uL	1	*******		07/12/2012 10:02:24 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	44.79
SD Area	0.1202
CV Area	0.27%
Vial	91

Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	113.2	50uL	1	*******		07/12/2012 10:13:22 A
2	113.7	50uL	1	*******		07/12/2012 10:15:53 A

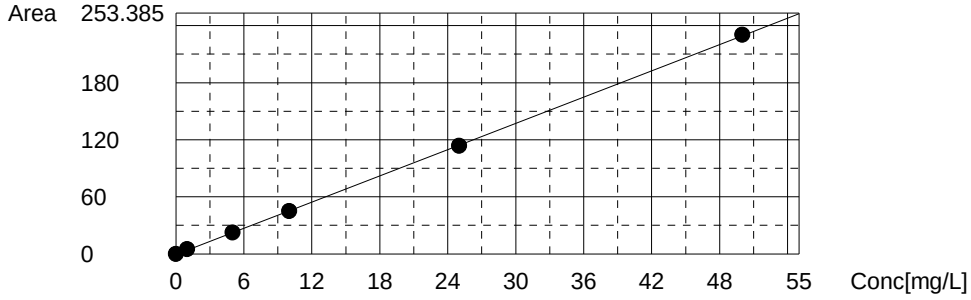
Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	113.5
SD Area	0.3536
CV Area	0.31%
Vial	92

Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	230.7	50uL	1	*******		07/12/2012 10:27:09 A
2	230.0	50uL	1	*******		07/12/2012 10:29:49 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	230.4
SD Area	0.4950
CV Area	0.21%
Vial	93

Slope:	4.604
Intercept	-0.5585
r^2	0.9999
r	1.0000
Zero Shift	No



Wet Chemistry Data Review Checklist
Direct Measurement Methods (pH, Conductance, etc.)

Test Name/Method #: Alkalinity **Analysis Date** ~~B. Hebert~~ 06-23-12 D.B. 06-26-12

SOP #: AK-WL-0025 **Analyst:** B. Hebert **Instrument:** AT3

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30194-8, 30333, 30336	W	NA	123394	2320B	
30228, 30230, 30235,	"	"	"	"	
30334, 30273,					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the instrument properly standardized?	✓			✓
2. Second-source ICV analyzed immediately after instrument standardization & recovery ± 10% of true value?	✓ D.B. 06-26-12		✓	✓
3. ICB analyzed immediately after ICV & results < the RL?	✓ D.B. 06-26-12		✓	✓
4. CCV analyzed after every ten samples & recovery ± 10% of true value?	✓			✓
5. CCB analyzed after every CCV & all results < the RL?	✓			✓
B. Sample Results				
1. pH sample and duplicate within ± 0.1 units?	✓			✓
1. Are all sample dilutions appropriate and do associated RLs reflect required dilutions or limited sample volumes?	✓			✓
2. All reported results bracketed by in control CCV results?	✓			✓
3. Sample analyses done within holding time?	✓			✓
4. Preparation benchsheet completed and included in package (if applicable)?	✓			✓
5. Special client requirements reviewed and met?	✓			✓
6. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓			✓
7. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
8. STD/True Value information is updated and included?	✓			✓
9. Raw data copies prepared, scanned, and uploaded?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. Sample DUP run at required frequency and RPD within established limits?	✓			✓

Analyst: [signature] **Date:** 6/25/12

2nd Level Reviewer : D. B. **Date:** 06-26-12

TestAmerica Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Data Review Checklist For Gravimetric Methods

Test Name/Method #: TDS Analysis Date: 6/26/12

SOP #: DV-WC-0064 Analyst: ST Instrument: BAL

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30401, 30230, 30235, 30267	WATER	—	125565	—	—

6/29/12

A. Balance, Oven, and DI Water QC Checks	Yes	No	N/A	2nd Level
1. Was the balance calibration verified before and after processing samples and noted in the "Balance Calibration Log" for the date(s) the samples were processed?	—			—
2. Was the oven temperature within method requirements and recorded in the "Oven Temperature" logbook for the date(s) the samples were processed?	—			—
3. Was the daily conductivity check of the deionized water recorded in the "Conductivity Logbook"?		X		—
B. Method Requirements				
1. If sample is visibly oily, was this noted on the benchsheet?		X		—
2. Was final residue weight within minimum/maximum requirements?	—			—
3. Were the initial and final drying dates and times recorded on the benchsheet and were all samples dried for at least one hour?	—			—
C. Sample Results				
1. TDS/Conductivity ratio or historical data checked?		X		—
2. For % Moisture, was the Final Dried Weight < the Initial Pan Weight or is the result greater than 100%?			X	—
3. Were sample analyses done within holding time?	—			—
4. Were special client requirements met?	—			—
5. Were data that were manually transcribed from instrument printouts into TALS verified 100% including significant figures and units?	—			—
6. Do the prep and analysis dates in TALS reflect the actual dates? Lots/Dates report checked?	—			—
7. STD/True Value information is updated and included?	—			—
8. Are raw data copies prepared, scanned, and uploaded?	—			—
D. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10 X RL?	—			—
2. Method blank < ½ RL or NCM provided?	—			—
3. LCS/LCSD run for batch and within QC limits?	—			—
4. DUP run for batch and RPD < 20% for samples >5 X RL?	—			—

Analyst: ST Date: 6/29/12

Comments: _____

2nd Level Reviewer : [signature] Date: 6/29/12

Comments: _____

6/29/12

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 126422 Batch Start Date: 07/02/12 13:17 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00154	NXN ICV INT 00148	AnalysisComment
ICVL 280-126422/15		350.1		100 mL	100 mL	OK		2 mL	
ICV 280-126422/16		350.1		100 mL	100 mL	OK		5 mL	
ICB 280-126422/17		350.1				OK			
CCV 280-126422/64		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126422/65		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126422/66		350.1				OK			
MB 280-126422/74		350.1				OK			ph<2
CCV 280-126422/80		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126422/81		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126422/82		350.1				OK			
CCVL 280-126422/113		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126422/114		350.1				OK			
LCS 280-126422/118		350.1		100 mL	100 mL	OK	5 mL		ph<2
LCSD 280-126422/119		350.1		100 mL	100 mL	OK	5 mL		ph<2
MB 280-126422/120		350.1				OK			ph<2
CCV 280-126422/129		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126422/130		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126422/131		350.1				OK			
280-30235-G-1	LF6M0168QA	350.1	T			OK			ph<2
280-30235-G-1 MS	LF6M0168QA	350.1	T	5 mL	5 mL	OK	0.2 mL		ph<2
280-30235-G-1 MSD	LF6M0168QA	350.1	T	5 mL	5 mL	OK	0.2 mL		ph<2
280-30235-C-2	LF6M0168QC	350.1	T			OK			ph<2
280-30235-C-3	775VM1095QA	350.1	T			OK			ph<2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 126422 Batch Start Date: 07/02/12 13:17 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00154	NXN ICV INT 00148	AnalysisComment
280-30235-C-4	775VM18R90QA	350.1	T			OK			ph<2
280-30235-C-5	775VM20R110QA	350.1	T			OK			ph<2
280-30235-C-6	LF6VM2449QA	350.1	T			OK			ph<2
280-30235-C-7	LF6VM2544QA	350.1	T			OK			ph<2
280-30235-C-8	TMCM0919QA	350.1	T			OK			ph<2
CCV 280-126422/146		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126422/147		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126422/148		350.1				OK			
280-30235-C-9	061912QE	350.1	T			OK			ph<2
CCV 280-126422/163		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126422/164		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126422/165		350.1				OK			

Batch Notes	
Buffer Reagent ID Number	NH3 Buffer_00013
Hypochlorite Reagent ID Number	Hypochlorite_00192
Sodium Nitroprusside Reagent ID	Nitroprusside_00023
Pipette ID	5000x, 1000h, 200p
Perform Calculation (0=No, 1=Yes)	1
Sodium Phenolate Reagent ID Number	Phenolate NH3_00040

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 127378 Batch Start Date: 07/10/12 18:00 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date: 07/10/12 22:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	TKN 25ppm 00096		
LCS 280-127378/1		351.2, 351.2			25 mL	25 mL	6 mL		
LCSD 280-127378/2		351.2, 351.2			25 mL	25 mL	6 mL		
MB 280-127378/3		351.2, 351.2			25 mL	25 mL			
280-30235-G-1	LF6M0168QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30235-G-1 MS	LF6M0168QA	351.2, 351.2	T	< 2	25 mL	25 mL	3 mL		
280-30235-G-1 MSD	LF6M0168QA	351.2, 351.2	T	< 2	25 mL	25 mL	3 mL		
280-30235-C-2	LF6M0168QC	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30235-C-3	775VM1095QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30235-C-4	775VM18R90QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30235-C-5	775VM20R110QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30235-C-6	LF6VM2449QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30235-C-7	LF6VM2544QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30235-C-8	TMCM0919QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30235-C-9	061912QE	351.2, 351.2	T	< 2	25 mL	25 mL			

Batch Notes	
Batch Comment	5000X
Block Digestion End time	2230
Block Digestion Start time	1800
Block Digestor Name	TKN A
Digestion Solution Used	TKN Digestion_00009
Oven, Bath or Block Temperature 1	140 Degrees C
Oven, Bath or Block Temperature 2	380 Degrees C

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 127390 Batch Start Date: 07/11/12 21:44 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TKN 25ppm 00096	TKN ICV 00003			
ICV 280-127390/13		351.2		4 mL		2 mL			
ICB 280-127390/14		351.2		4 mL					
LCS 280-127378/1-A		351.2		4 mL					
LCSD 280-127378/2-A		351.2		4 mL					
MB 280-127378/3-A		351.2		4 mL					
280-30235-G-1-A	LF6M0168QA	351.2	T	4 mL					
280-30235-G-1-B MS	LF6M0168QA	351.2	T	4 mL					
280-30235-G-1-C MSD	LF6M0168QA	351.2	T	4 mL					
CCV 280-127390/21		351.2		25 mL	5 mL				
CCB 280-127390/22		351.2		4 mL					
280-30235-C-2-A	LF6M0168QC	351.2	T	4 mL					
280-30235-C-3-A	775VM1095QA	351.2	T	4 mL					
280-30235-C-4-A	775VM18R90QA	351.2	T	4 mL					
280-30235-C-5-A	775VM20R110QA	351.2	T	4 mL					
280-30235-C-6-A	LF6VM2449QA	351.2	T	4 mL					
280-30235-C-7-A	LF6VM2544QA	351.2	T	4 mL					
280-30235-C-8-A	TMCM0919QA	351.2	T	4 mL					
280-30235-C-9-A	061912QE	351.2	T	4 mL					
CCV 280-127390/35		351.2		25 mL	5 mL				
CCB 280-127390/36		351.2		4 mL					

Batch Notes	
Buffer Reagent ID Number	TKN Buffer_00010
Hypochlorite Solution Lot Number	TKN Hypochl_00094
Salicylate Nitroprusside Reagent ID	Sodium Nitro_00007
First Ending Temperature	57.0 Celsius
First Starting Temperature	57.0 Celsius

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 127390 Batch Start Date: 07/11/12 21:44 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date:

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 124298 Batch Start Date: 06/16/12 10:55 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	COD cal std 00014			
IC 280-124298/1		410.4		50 mL	50 mL	0.5 mL			
IC 280-124298/2		410.4		50 mL	50 mL	1 mL			
IC 280-124298/3		410.4		50 mL	50 mL	2.5 mL			
IC 280-124298/4		410.4		50 mL	50 mL	5 mL			
IC 280-124298/5		410.4		50 mL	50 mL	7.5 mL			
IC 280-124298/6		410.4		50 mL	50 mL	10 mL			

Batch Notes	
Batch Comment	420nm, WC-5000-N, WC-1000-H
Block Digestion End time	AA: 13:30 BB: 13:55 AA: 15:45
Block Digestion Start time	AA: 11:30 BB:11:55 AA: 13:45
Block Digestor Name	HACH DRB 200
Oven, Bath or Block Temperature 1	AA: 150 BB:150 AA: 150
Oven, Bath or Block Temperature 2	AA: 150 BB: 150
Sufficient volume for MS/MSD?	yes
Vial Lot Number	A2130 05/31/17

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 124953 Batch Start Date: 06/21/12 08:18 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	COD cal std 00014	COD icv std 00009
ICV 280-124953/1		410.4		50 mL	50 mL				5 mL
ICB 280-124953/2		410.4		2 mL	2 mL				
LCS 280-124953/3		410.4		100 mL	100 mL			10 mL	
LCSD 280-124953/4		410.4		100 mL	100 mL			10 mL	
MB 280-124953/5		410.4		2 mL	2 mL				
280-30235-G-1	LF6M0168QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30235-G-1 MS	LF6M0168QA	410.4	T	100 mL	100 mL	<2 SU	<2 SU		
280-30235-G-1 MSD	LF6M0168QA	410.4	T	100 mL	100 mL	<2 SU	<2 SU		
280-30235-C-2	LF6M0168QC	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30235-C-3	775VM1095QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
CCV 280-124953/16		410.4		100 mL	100 mL			10 mL	
CCB 280-124953/17		410.4		2 mL	2 mL				
280-30235-C-4	775VM18R90QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30235-C-5	775VM20R110QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30235-C-6	LF6VM2449QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30235-C-7	LF6VM2544QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30235-C-8	TMCM0919QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30235-C-9	061912QE	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
CCV 280-124953/24		410.4		100 mL	100 mL			10 mL	
CCB 280-124953/25		410.4		2 mL	2 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	cod ms/msd 00006	AnalysisComment				
ICV 280-124953/1		410.4							
ICB 280-124953/2		410.4							
LCS 280-124953/3		410.4							

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 124953 Batch Start Date: 06/21/12 08:18 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	cod ms/msd 00006	AnalysisComment				
LCSD 280-124953/4		410.4							
MB 280-124953/5		410.4							
280-30235-G-1	LF6M0168QA	410.4	T		CL <2000				
280-30235-G-1 MS	LF6M0168QA	410.4	T	0.5 mL	CL <2000				
280-30235-G-1 MSD	LF6M0168QA	410.4	T	0.5 mL	CL <2000				
280-30235-C-2	LF6M0168QC	410.4	T		CL <2000				
280-30235-C-3	775VM1095QA	410.4	T		CL <2000				
CCV 280-124953/16		410.4							
CCB 280-124953/17		410.4							
280-30235-C-4	775VM18R90QA	410.4	T		CL <2000				
280-30235-C-5	775VM20R110QA	410.4	T		CL <2000				
280-30235-C-6	LF6VM2449QA	410.4	T		CL <2000				
280-30235-C-7	LF6VM2544QA	410.4	T		CL <2000				
280-30235-C-8	TMCM0919QA	410.4	T		CL <2000				
280-30235-C-9	061912QE	410.4	T		CL <2000				
CCV 280-124953/24		410.4							
CCB 280-124953/25		410.4							

Batch Notes	
Batch Comment	420nm, WC-5000-X, WC-1000-H
Block Digestion End time	AA: 10:58 BB: 1058
Block Digestion Start time	AA: 08:58 BB: 08:58
Block Digestor Name	HACH DRB 200
Oven, Bath or Block Temperature 1	AA: 150 BB: 150
Oven, Bath or Block Temperature 2	AA: 150 BB: 150
Sufficient volume for MS/MSD?	yes
Vial Lot Number	A2130 exp:05/31/17

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 124953 Batch Start Date: 06/21/12 08:18 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 124983 Batch Start Date: 06/20/12 13:30 Batch Analyst: Ayala, Delaina

Batch Method: SM 2120B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TurbidityRemoved				
MB 280-124983/1		SM 2120B		50 mL	N				
280-30235-B-1	LF6M0168QA	SM 2120B	T	50 mL	N				
280-30235-B-1 DU	LF6M0168QA	SM 2120B	T	50 mL	N				
280-30235-A-2	LF6M0168QC	SM 2120B	T	50 mL	N				
280-30235-A-3	775VM1095QA	SM 2120B	T	50 mL	N				
280-30235-A-4	775VM18R90QA	SM 2120B	T	50 mL	N				
280-30235-A-5	775VM20R110QA	SM 2120B	T	50 mL	N				
280-30235-A-6	LF6VM2449QA	SM 2120B	T	50 mL	N				
280-30235-A-7	LF6VM2544QA	SM 2120B	T	50 mL	N				
280-30235-A-8	TMCM0919QA	SM 2120B	T	50 mL	N				
280-30235-A-9	061912QE	SM 2120B	T	50 mL	N				

Batch Notes	
Batch Comment	NESSLER TUBES X 9/14/12
Color Standards Lot #	1316339

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 127653 Batch Start Date: 07/13/12 09:57 Batch Analyst: Allen, Andrew J

Batch Method: SM 2340C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	BuretStart1	BuretStop1	TitrantVolume1	CalcMsg
MB 280-127653/1		SM 2340C		25 mL	25 mL	0 mL	0.00 mL	0 mL	OK
LCS 280-127653/2		SM 2340C		25 mL	25 mL	0 mL	10.19 mL	10.19 mL	OK
LCSD 280-127653/3		SM 2340C		25 mL	25 mL	0 mL	10.16 mL	10.16 mL	OK
280-30235-O-1	LF6M0168QA	SM 2340C	T	25 mL	25 mL	0 mL	10.29 mL	10.29 mL	OK
280-30235-O-1 MS	LF6M0168QA	SM 2340C	T	25 mL	25 mL	0 mL	21.60 mL	21.6 mL	OK
280-30235-O-1 MSD	LF6M0168QA	SM 2340C	T	25 mL	25 mL	0 mL	20.73 mL	20.73 mL	OK
280-30235-E-2	LF6M0168QC	SM 2340C	T	25 mL	25 mL	0 mL	10.17 mL	10.17 mL	OK
280-30235-E-3	775VM1095QA	SM 2340C	T	25 mL	25 mL	0 mL	4.86 mL	4.86 mL	OK
280-30235-E-4	775VM18R90QA	SM 2340C	T	25 mL	25 mL	0 mL	7.97 mL	7.97 mL	OK
280-30235-E-5	775VM20R110QA	SM 2340C	T	25 mL	25 mL	0 mL	5.17 mL	5.17 mL	OK
280-30235-E-6	LF6VM2449QA	SM 2340C	T	25 mL	25 mL	0 mL	11.28 mL	11.28 mL	OK
280-30235-E-7	LF6VM2544QA	SM 2340C	T	25 mL	25 mL	0 mL	9.72 mL	9.72 mL	OK
280-30235-E-8	TMCM0919QA	SM 2340C	T	25 mL	25 mL	0 mL	11.55 mL	11.55 mL	OK
280-30235-E-9	061912QE	SM 2340C	T	25 mL	25 mL	0 mL	0.00 mL	0 mL	OK

Lab Sample ID	Client Sample ID	Method Chain	Basis	Hard lcs std 00022					
MB 280-127653/1		SM 2340C							
LCS 280-127653/2		SM 2340C		10 mL					
LCSD 280-127653/3		SM 2340C		10 mL					
280-30235-O-1	LF6M0168QA	SM 2340C	T						
280-30235-O-1 MS	LF6M0168QA	SM 2340C	T	10 mL					
280-30235-O-1 MSD	LF6M0168QA	SM 2340C	T	10 mL					
280-30235-E-2	LF6M0168QC	SM 2340C	T						
280-30235-E-3	775VM1095QA	SM 2340C	T						
280-30235-E-4	775VM18R90QA	SM 2340C	T						
280-30235-E-5	775VM20R110QA	SM 2340C	T						
280-30235-E-6	LF6VM2449QA	SM 2340C	T						
280-30235-E-7	LF6VM2544QA	SM 2340C	T						

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 127653 Batch Start Date: 07/13/12 09:57 Batch Analyst: Allen, Andrew J

Batch Method: SM 2340C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Hard lcs std 00022					
280-30235-E-8	TMCM0919QA	SM 2340C	T						
280-30235-E-9	061912QE	SM 2340C	T						

Batch Notes	
Buffer Lot #	Hardness Buffer 00011
EDTA Lot Number	EDTA Titrant 00010
Indicator Lot	Calmagite 00001
Nominal Amount Used	25 mL
Pipette ID	5000-L
Perform Calculation (0=No, 1=Yes)	1
Normality of first Titrant	0.01972 N
Titrant Standardization Date	071312

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 125063 Batch Start Date: 06/20/12 09:44 Batch Analyst: Phan, Thu L

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	IC CAL INT1 00159	IC daily cal 00819	IC ICV daily 00819	ICMS/MSD WEEK 00145
ICV 280-125063/1		9056A			Not Calculated. Perform Calculation left blank			5 mL	
ICB 280-125063/2		9056A			Not Calculated. Perform Calculation left blank				
MRL 280-125063/3		9056A		5 mL	Not Calculated. Perform Calculation left blank	50 uL			
LCS 280-125063/5		9056A			Not Calculated. Perform Calculation left blank		5 mL		
LCSD 280-125063/6		9056A			Not Calculated. Perform Calculation left blank		5 mL		
MB 280-125063/7		9056A			Not Calculated. Perform Calculation left blank				
280-30235-F-1	LF6M0168QA	9056A	T		Not Calculated. Perform Calculation not set to Run.				
280-30235-F-1 DU	LF6M0168QA	9056A	T		Not Calculated. Perform Calculation not set to Run.				
280-30235-F-1 MS	LF6M0168QA	9056A	T	5 mL	Not Calculated. Perform Calculation not set to Run.				50 uL
280-30235-F-1 MSD	LF6M0168QA	9056A	T	5 mL	Not Calculated. Perform Calculation not set to Run.				50 uL
280-30235-B-2	LF6M0168QC	9056A	T		Not Calculated. Perform Calculation left blank				

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 125063 Batch Start Date: 06/20/12 09:44 Batch Analyst: Phan, Thu L

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	IC CAL INT1 00159	IC daily cal 00819	IC ICV daily 00819	ICMS/MSD WEEK 00145
280-30235-B-3	775VM1095QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30235-B-4	775VM18R90QA	9056A	T		Not Calculated. Perform Calculation left blank				
CCV 280-125063/18		9056A			Not Calculated. Perform Calculation left blank		5 mL		
CCB 280-125063/19		9056A			Not Calculated. Perform Calculation left blank				
280-30235-B-5	775VM20R110QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30235-B-6	LF6VM2449QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30235-B-7	LF6VM2544QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30235-B-8	TMCM0919QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30235-B-9	061912QE	9056A	T		Not Calculated. Perform Calculation left blank				
CCV 280-125063/30		9056A			Not Calculated. Perform Calculation left blank		5 mL		
CCB 280-125063/31		9056A			Not Calculated. Perform Calculation left blank				

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 125063 Batch Start Date: 06/20/12 09:44 Batch Analyst: Phan, Thu L

Batch Method: 9056A Batch End Date:

Batch Notes	
Batch Comment	pipets: wc-5000ic, wc-1000u, wc-100c
Filter Lot #	koja5815-1339
Regeneration Solution Lot	110820811019

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 125064 Batch Start Date: 06/20/12 09:44 Batch Analyst: Phan, Thu L

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	IC CAL INT1 00159	IC daily cal 00819	IC ICV daily 00819	ICMS/MSD WEEK 00145	
ICV 280-125064/1		9056A					5 mL		
MRL 280-125064/4		9056A		5 mL	20 uL				
LCS 280-125064/5		9056A				5 mL			
LCSD 280-125064/6		9056A				5 mL			
280-30235-F-1 MS	LF6M0168QA	9056A	T	5 mL				50 uL	
280-30235-F-1 MSD	LF6M0168QA	9056A	T	5 mL				50 uL	
CCV 280-125064/18		9056A				5 mL			
CCV 280-125064/30		9056A				5 mL			
280-30235-F-1 MS	LF6M0168QA	9056A	T	5 mL				50 uL	
280-30235-F-1 MSD	LF6M0168QA	9056A	T	5 mL				50 uL	
CCV 280-125064/42		9056A				5 mL			

Batch Notes	
Filter Lot #	koja5815-1339
Pipette ID	wc-5000ic, wc-1000u, wc-100c
Regeneration Solution Lot	110820811019

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 127875 Batch Start Date: 07/13/12 17:02 Batch Analyst: Bandy, Darlene F

Batch Method: 9060A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TOC ICV Std 00012	TOC LCS Std 00013	AnalysisComment		
ICV 280-127875/1		9060A		50 mL	1 mL				
LCS 280-127875/3		9060A		200 mL		5 mL			
LCSD 280-127875/4		9060A		200 mL		5 mL			
280-30235-L-1	LF6M0168QA	9060A	T				pH <2		
280-30235-L-1 MS	LF6M0168QA	9060A	T	50 mL		1.25 mL	pH <2		
280-30235-L-1 MSD	LF6M0168QA	9060A	T	50 mL		1.25 mL	pH <2		
280-30235-D-2	LF6M0168QC	9060A	T				pH <2		
280-30235-D-3	775VM1095QA	9060A	T				pH <2		
280-30235-D-4	775VM18R90QA	9060A	T				pH <2		
280-30235-D-5	775VM20R110QA	9060A	T				pH <2		
280-30235-D-6	LF6VM2449QA	9060A	T				pH <2		
280-30235-D-7	LF6VM2544QA	9060A	T				pH <2		
CCV 280-127875/16		9060A		200 mL		5 mL			
280-30235-D-8	TMCM0919QA	9060A	T				pH <2		
280-30235-D-9	061912QE	9060A	T				pH <2		
CCV 280-127875/28		9060A		200 mL		5 mL			

Batch Notes	
Batch Comment	0.2% H2SO4_00044
Pipette ID	WC1000-U, WC5000-IC

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 125394 Batch Start Date: 06/23/12 08:14 Batch Analyst: Gilbert, Bryan M

Batch Method: SM 2320B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	Alk daily lcs 00252				
CCV 280-125394/29		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125394/30		SM 2320B		InitialAmount is blank					
LCS 280-125394/31		SM 2320B		InitialAmount is blank	10 mL				
LCSD 280-125394/32		SM 2320B		InitialAmount is blank	10 mL				
MB 280-125394/33		SM 2320B		InitialAmount is blank					
CCV 280-125394/41		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125394/42		SM 2320B		InitialAmount is blank					
280-30235-F-1	LF6M0168QA	SM 2320B	T	InitialAmount is blank					
280-30235-B-2	LF6M0168QC	SM 2320B	T	InitialAmount is blank					
280-30235-B-3	775VM1095QA	SM 2320B	T	InitialAmount is blank					
280-30235-B-4	775VM18R90QA	SM 2320B	T	InitialAmount is blank					
280-30235-B-5	775VM20R110QA	SM 2320B	T	InitialAmount is blank					
280-30235-B-6	LF6VM2449QA	SM 2320B	T	InitialAmount is blank					
280-30235-B-7	LF6VM2544QA	SM 2320B	T	InitialAmount is blank					
280-30235-B-8	TMCM0919QA	SM 2320B	T	InitialAmount is blank					
280-30235-B-9	061912QE	SM 2320B	T	InitialAmount is blank					
CCV 280-125394/53		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125394/54		SM 2320B		InitialAmount is blank					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 125394 Batch Start Date: 06/23/12 08:14 Batch Analyst: Gilbert, Bryan M

Batch Method: SM 2320B Batch End Date:

Batch Notes	
pH Buffer 1 ID	pH 4 buffer_00071
pH Buffer 2 ID	pH 7 buffer_00079
pH Buffer 3 ID	pH 10 buffer_00059
First End time	13:55
Sulfuric Acid Lot Number	.02N h2so4_00075
Sulfuric Acid Vendor	ricca
Nominal Amount Used	10 mL
Pipette ID	5000Q
Probe ID	pH probe 3
First Start time	8:14
Normality of first Titrant	.02 N

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 125565 Batch Start Date: 06/26/12 07:59 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	InitialAmount	TareWeight	Weight1	Weight2	Weight3
MB 280-125565/1		SM 2540C		0.58 umhos/cm	100 mL	64.8290 g	64.8287 g	64.8279 g	64.8281 g
LCS 280-125565/2		SM 2540C			100 mL	64.7478 g	64.7963 g	64.7955 g	64.7959 g
LCSD 280-125565/3		SM 2540C			100 mL	64.9277 g	64.9763 g	64.9753 g	64.9756 g
280-30235-B-1	LF6M0168QA	SM 2540C	T	4430 umhos/cm	25 mL	64.5210 g	64.5809 g	64.5813 g	0 g
280-30235-A-2	LF6M0168QC	SM 2540C	T	4260 umhos/cm	25 mL	64.3294 g	64.3893 g	64.3884 g	64.3884 g
280-30235-A-3	775VM1095QA	SM 2540C	T	795 umhos/cm	100 mL	64.7709 g	64.8144 g	64.8139 g	64.8139 g
280-30235-A-4	775VM18R90QA	SM 2540C	T	1832 umhos/cm	100 mL	64.9786 g	65.0782 g	65.0784 g	0 g
280-30235-A-5	775VM20R110QA	SM 2540C	T	569 umhos/cm	100 mL	64.5227 g	64.5533 g	64.5531 g	0 g
280-30235-A-6	LF6VM2449QA	SM 2540C	T	1421 umhos/cm	100 mL	64.8393 g	64.9278 g	64.9188 g	64.9188 g
280-30235-A-7	LF6VM2544QA	SM 2540C	T	723 umhos/cm	100 mL	64.5358 g	64.5790 g	64.5786 g	0 g
280-30235-A-8	TMCM0919QA	SM 2540C	T	1157 umhos/cm	100 mL	64.7427 g	64.8099 g	64.8095 g	0 g
280-30235-A-8 DU	TMCM0919QA	SM 2540C	T	1157 umhos/cm	100 mL	64.4886 g	64.5563 g	64.5561 g	0 g
280-30235-A-9	061912QE	SM 2540C	T	1.76 umhos/cm	100 mL	64.2366 g	64.2370 g	64.2366 g	0 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	WeightOne%Diff	WeightTwo%Diff	Residue	Residue2	Residue3	FinalAmount
MB 280-125565/1		SM 2540C		NOPE_B No Unit	PASS_B No Unit	-0.00030 g	-0.00110 g	-0.000899999999987244 g	100 mL
LCS 280-125565/2		SM 2540C		NOPE_B No Unit	PASS_B No Unit	0.04850 g	0.04770 g	0.0481000000000051 g	100 mL
LCSD 280-125565/3		SM 2540C		NOPE_B No Unit	PASS_B No Unit	0.04860 g	0.04760 g	0.0478999999999985 g	100 mL
280-30235-B-1	LF6M0168QA	SM 2540C	T	PASS_D No Unit		0.05990 g	0.06030 g		100 mL
280-30235-A-2	LF6M0168QC	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.05990 g	0.05900 g	0.0589999999999975 g	100 mL
280-30235-A-3	775VM1095QA	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.04350 g	0.04300 g	0.0430000000000064 g	100 mL
280-30235-A-4	775VM18R90QA	SM 2540C	T	PASS_D No Unit		0.09960 g	0.09980 g		100 mL
280-30235-A-5	775VM20R110QA	SM 2540C	T	PASS_D No Unit		0.03060 g	0.03040 g		100 mL
280-30235-A-6	LF6VM2449QA	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.08850 g	0.07950 g	0.0795000000000101 g	100 mL
280-30235-A-7	LF6VM2544QA	SM 2540C	T	PASS_D No Unit		0.04320 g	0.04280 g		100 mL
280-30235-A-8	TMCM0919QA	SM 2540C	T	PASS_D No Unit		0.06720 g	0.06680 g		100 mL
280-30235-A-8 DU	TMCM0919QA	SM 2540C	T	PASS_D No Unit		0.06770 g	0.06750 g		100 mL
280-30235-A-9	061912QE	SM 2540C	T	PASS_D No Unit		0.00040 g	0.00000 g		100 mL

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 125565 Batch Start Date: 06/26/12 07:59 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TDS LCS 00279	AnalysisComment				
MB 280-125565/1		SM 2540C							
LCS 280-125565/2		SM 2540C		100 mL					
LCSD 280-125565/3		SM 2540C		100 mL					
280-30235-B-1	LF6M0168QA	SM 2540C	T						
280-30235-A-2	LF6M0168QC	SM 2540C	T		2nd wght 64.3900				
280-30235-A-3	775VM1095QA	SM 2540C	T						
280-30235-A-4	775VM18R90QA	SM 2540C	T						
280-30235-A-5	775VM20R110QA	SM 2540C	T						
280-30235-A-6	LF6VM2449QA	SM 2540C	T		2nd wght 64.9342				
280-30235-A-7	LF6VM2544QA	SM 2540C	T						
280-30235-A-8	TMCM0919QA	SM 2540C	T						
280-30235-A-8 DU	TMCM0919QA	SM 2540C	T						
280-30235-A-9	061912QE	SM 2540C	T						

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30235-1

SDG No.:

Batch Number: 125565 Batch Start Date: 06/26/12 07:59 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Batch Notes	
Balance ID	D91301
Constant Weight (WT2) Date/Time in Oven	6/27/12 10:50
Constant Weight (WT2) Date/Time Out	6/27/12 12:25
Constant Weight (WT2) Temp In	180 Celsius
Constant Weight (WT2) Temp Out	180 Celsius
Constant Weight (WT3) Date/time In	6/28/12 8:20
Constant Weight (WT3) Date/Time Out	6/28/12 9:55
Constant Weight (WT3) Temp In	180 Celsius
Constant Weight (WT3) Temp Out	180 Celsius
Filter Paper Lot Number	millipore lot# r2aa74409
Date samples were placed in the oven	6/26/12 10:45
Oven Temp when samples are put in oven	180 Celsius
Nominal Amount Used	100 mL
Date samples were removed from oven	6/27/12 5:10
Oven Temp when samples removed from oven	180 Celsius
Oven ID	A
Oven Temperature Verification	180 Celsius
ID number of the thermometer	14-983-17c
Uncorrected In Temperature	180 Celsius
Uncorrected Out Temperature	180 Celsius

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-30235-1

Login Number: 30235

List Source: TestAmerica Denver

List Number: 1

Creator: Bindel, Aaron M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	SAMPLE -006 LABELS DON'T MATCH COC
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30282-1

Job Description: Griffiss AFB LF6 LTM

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Julie L Dreesen
Project Mgmt. Assistant
7/19/2012 11:58 AM

Designee for
Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/19/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB LF6 LTM
Report Number: 280-30282-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Eleven samples were received on 06/21/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 4.7ºC, 4.3ºC, and 3.1ºC.

The 40mL HCl preserved VOA vials for sample LF6VM2348QA (280-30282-4) requesting 8260B analysis, were not received at the laboratory; therefore the requested 8260B analysis could not be performed. The client was notified on June 21, 2012.

One of the two 40mL VOA vials received for sample 062012QR (280-30282-11) was received at the laboratory with a bubble >6mm in diameter. Sufficient volume remained to proceed with the requested analysis. The client was notified on June 21, 2012.

Sample ID, date, and time discrepancies were noted between the information listed on the chain-of-custody and the container label for TA Denver sample 280-30282-9. The chain-of-custody lists the sample ID as 062012QE, with a collection date of 06/20/2012, and, a collection time of 16:15, while the container labels list the sample ID as 061912QE, with a collection date of 06/19/2012, and a collection time of 1600. The sample ID, collection date, and collection time were logged per the chain-of-custody. The client was notified on June 21, 2012.

The sample collection dates and sample collection times were logged per the chain-of-custody for samples LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), and TMCUM0227QA (280-30282-7), as this information was not present on the sample container labels. The client was notified on June 21, 2012.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples LF6M1246QA (280-30282-1), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), LF6SW0301QA (280-30282-8), 062012QE (280-30282-9), 062012QF (280-30282-10) and 062012QR (280-30282-11) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/02/2012 and 07/03/2012.

Samples LF6M1246QA (280-30282-1 and LF6VM2650QC (280-30282-6) required dilutions prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

The 1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Dibromofluoromethane, and Toluene-d8 surrogate recoveries for the following sample was outside control limits: LF6VM2650QA (280-30282-5). All analytes associated to this surrogate were non-detect, with the exception of trans-1,2-Dichloroethene which was less than one half the reporting limit; therefore, re-extraction and/or reanalysis were not performed.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

COLOR

Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for color in accordance with SM20 2120B - Colorimetric. The samples were analyzed on 06/21/2012.

No difficulties were encountered during the color analyses.

All quality control parameters were within the acceptance limits.

ALKALINITY

Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 06/26/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

HARDNESS

Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for hardness in accordance with SM20 2340C. The samples were analyzed on 07/17/2012.

No difficulties were encountered during the hardness analyses.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS

Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 06/27/2012.

Constant weight was not achieved after 3 drying cycles for the following TDS samples of batch 280-125747: LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), and LF6SW0301QA (280-30282-8).

No other difficulties were encountered during the TDS analyses.

All other quality control parameters were within the acceptance limits.

AMMONIA

Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 07/05/2012.

The matrix spike duplicate (MSD) recovery for batch 280-126731, performed on sample LF6M1246QA (280-30282-1), was outside control limits for Ammonia. The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the ammonia analyses.

All other quality control parameters were within the acceptance limits.

TOTAL KJELDAHL NITROGEN

Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 07/11/2012 and analyzed on 07/13/2012.

Nitrogen, Kjeldahl was detected in method blank MB 280-127379/3-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 280-127379, performed on sample LF6M1246QA (280-30282-1), were outside control limits for Nitrogen, Kjeldahl. The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the TKN analyses.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND

Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for chemical oxygen demand in accordance with EPA Method 410.4. The samples were analyzed on 06/26/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

ANIONS (28 DAYS)

Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for anions (28 days) in accordance with EPA SW-846 Method 9056. The samples were analyzed on 06/21/2012.

Samples LF6M1246QA (280-30282-1), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), and LF6SW0301QA (280-30282-8) required dilutions prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

No other difficulties were encountered during the anions analyses.

All other quality control parameters were within the acceptance limits.

ANIONS (48 HOURS)

Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for anions (48 hours) in accordance with EPA SW-846 Method 9056A. The samples were analyzed on 06/21/2012.

The matrix spike duplicate (MSD) recoveries for prep batch 280-125249, performed on sample LF6VM17S15QA (280-30282-3), were outside control limits for Orthophosphate. The associated laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the anions analyses.

All other quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 07/13/2012 and 07/14/2012.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

BIOCHEMICAL OXYGEN DEMAND

Samples LF6M1246QA (280-30282-1), LF6VM17D48QA (280-30282-2), LF6VM17S15QA (280-30282-3), LF6VM2348QA (280-30282-4), LF6VM2650QA (280-30282-5), LF6VM2650QC (280-30282-6), TMCUM0227QA (280-30282-7), LF6SW0301QA (280-30282-8) and 062012QE (280-30282-9) were analyzed for Biochemical Oxygen Demand in accordance with SM20 5210B. The samples were analyzed on 06/21/2012.

Sample LF6M1246QA (280-30282-1) required dilution prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

No other difficulties were encountered during the BOD analyses.

All other quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: MSV_R2 Analysis Batch Number: 124226

Lab Sample ID: IC 280-124226/5 Client Sample ID:

Date Analyzed: 06/15/12 08:22 Lab File ID: RR6390.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.66	Analyte not Identified by the Data System	dobranskym	06/15/12 11:00

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30282-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30282-1	LF6M1246QA	Water	06/20/2012 1130	06/21/2012 0900
280-30282-2	LF6VM17D48QA	Water	06/20/2012 1405	06/21/2012 0900
280-30282-3	LF6VM17S15QA	Water	06/20/2012 1557	06/21/2012 0900
280-30282-4	LF6VM2348QA	Water	06/20/2012 1457	06/21/2012 0900
280-30282-5	LF6VM2650QA	Water	06/20/2012 1436	06/21/2012 0900
280-30282-6FD	LF6VM2650QC	Water	06/20/2012 1436	06/21/2012 0900
280-30282-7	TMCUM0227QA	Water	06/20/2012 1115	06/21/2012 0900
280-30282-8	LF6SW0301QA	Water	06/20/2012 1546	06/21/2012 0900
280-30282-9EB	062012QE	Water	06/20/2012 1615	06/21/2012 0900
280-30282-10FB	062012QF	Water	06/20/2012 1601	06/21/2012 0900
280-30282-11TB	062012QR	Water	06/20/2012 0915	06/21/2012 0900

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30282-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30282-1	**LF6M1246QA**					
1,1-Dichloroethene		0.59	J	1.0	ug/L	8260B/DoD
cis-1,2-Dichloroethene		380		10	ug/L	8260B/DoD
trans-1,2-Dichloroethene		7.9		1.0	ug/L	8260B/DoD
Trichloroethene		300		10	ug/L	8260B/DoD
Vinyl chloride		4.1		1.5	ug/L	8260B/DoD
Ammonia		0.084	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.83	J	1.0	mg/L	351.2
Chemical Oxygen Demand		15	J	20	mg/L	410.4
Bromide		0.12	J	0.50	mg/L	9056A
Chloride		67		15	mg/L	9056A
Fluoride		0.68	J	1.0	mg/L	9056A
Sulfate		47		5.0	mg/L	9056A
Total Organic Carbon - Quad		3.1		1.0	mg/L	9060A
Alkalinity		400		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		460		5.0	mg/L	SM 2340C
Total Dissolved Solids		580		10	mg/L	SM 2540C
Biochemical Oxygen Demand		59	D	50	mg/L	SM5210B
280-30282-2	**LF6VM17D48QA**					
Ammonia		0.090	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.64	J	1.0	mg/L	351.2
Nitrate as N		0.28	J	0.50	mg/L	9056A
Chloride		1.3	J	3.0	mg/L	9056A
Nitrate Nitrite as N		0.28	J	0.50	mg/L	9056A
Sulfate		11		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.50	J	1.0	mg/L	9060A
Alkalinity		86		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		93		5.0	mg/L	SM 2340C
Total Dissolved Solids		98		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30282-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30282-3	**LF6VM17S15QA**					
Ammonia		0.076	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.85	J	1.0	mg/L	351.2
Chemical Oxygen Demand		25		20	mg/L	410.4
Nitrate as N		2.2		0.50	mg/L	9056A
Chloride		0.54	J	3.0	mg/L	9056A
Fluoride		0.20	J	1.0	mg/L	9056A
Nitrate Nitrite as N		2.2		0.50	mg/L	9056A
Sulfate		13		5.0	mg/L	9056A
Total Organic Carbon - Quad		4.3		1.0	mg/L	9060A
Alkalinity		3.8	J	5.0	mg/L	SM 2320B
Hardness as calcium carbonate		74		5.0	mg/L	SM 2340C
Total Dissolved Solids		34		10	mg/L	SM 2540C
280-30282-4	**LF6VM2348QA**					
Ammonia		0.092	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.56	J	1.0	mg/L	351.2
Nitrate as N		5.7		0.50	mg/L	9056A
Chloride		1.6	J	3.0	mg/L	9056A
Fluoride		0.093	J	1.0	mg/L	9056A
Nitrate Nitrite as N		5.7		0.50	mg/L	9056A
Sulfate		18		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.97	J	1.0	mg/L	9060A
Alkalinity		290		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		310		5.0	mg/L	SM 2340C
Total Dissolved Solids		320		10	mg/L	SM 2540C
280-30282-5	**LF6VM2650QA**					
cis-1,2-Dichloroethene		100		4.0	ug/L	8260B/DoD
trans-1,2-Dichloroethene		0.25	J	1.0	ug/L	8260B/DoD
Ammonia		0.12		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.67	J	1.0	mg/L	351.2
Bromide		0.17	J	0.50	mg/L	9056A
Chloride		180		15	mg/L	9056A
Sulfate		47		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.72	J	1.0	mg/L	9060A
Alkalinity		230		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		410		5.0	mg/L	SM 2340C
Total Dissolved Solids		510		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30282-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30282-6FD	**LF6VM2650QC**					
cis-1,2-Dichloroethene		89		4.0	ug/L	8260B/DoD
Ammonia		0.48		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.66	J	1.0	mg/L	351.2
Bromide		0.18	J	0.50	mg/L	9056A
Nitrate as N		0.042	J	0.50	mg/L	9056A
Chloride		180		15	mg/L	9056A
Nitrate Nitrite as N		0.042	J	0.50	mg/L	9056A
Sulfate		47		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.73	J	1.0	mg/L	9060A
Color		10		5.0	PCU	SM 2120B
Alkalinity		230		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		410		5.0	mg/L	SM 2340C
Total Dissolved Solids		510		10	mg/L	SM 2540C
280-30282-7	**TMCUM0227QA**					
Ammonia		0.096	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.65	J	1.0	mg/L	351.2
Nitrate as N		0.37	J	0.50	mg/L	9056A
Chloride		28		3.0	mg/L	9056A
Nitrate Nitrite as N		0.37	J	0.50	mg/L	9056A
Sulfate		27		5.0	mg/L	9056A
Total Organic Carbon - Quad		0.70	J	1.0	mg/L	9060A
Alkalinity		130		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		170		5.0	mg/L	SM 2340C
Total Dissolved Solids		210		10	mg/L	SM 2540C
280-30282-8	**LF6SW0301QA**					
Ammonia		0.28		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.78	J	1.0	mg/L	351.2
Chemical Oxygen Demand		10	J	20	mg/L	410.4
Bromide		0.26	J	0.50	mg/L	9056A
Nitrate as N		0.19	J	0.50	mg/L	9056A
Chloride		170		15	mg/L	9056A
Nitrate Nitrite as N		0.19	J	0.50	mg/L	9056A
Sulfate		39		5.0	mg/L	9056A
Total Organic Carbon - Quad		2.3		1.0	mg/L	9060A
Color		15		5.0	PCU	SM 2120B
Alkalinity		230		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		300		5.0	mg/L	SM 2340C
Total Dissolved Solids		520		10	mg/L	SM 2540C
Biochemical Oxygen Demand		1.6	J	2.0	mg/L	SM5210B

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30282-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30282-9EB	**062012QE**					
Acetone		8.0	J	10	ug/L	8260B/DoD
Ammonia		0.071	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.66	J	1.0	mg/L	351.2
Nitrate as N		0.052	J	0.50	mg/L	9056A
Nitrate Nitrite as N		0.052	J	0.50	mg/L	9056A
Total Organic Carbon - Quad		0.24	J	1.0	mg/L	9060A
280-30282-10FB	**062012QF**					
Methylene Chloride		1.5	J	5.0	ug/L	8260B/DoD

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30282-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Nitrogen, Total Kjeldahl	TAL DEN	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL DEN		MCAWW 351.2
COD	TAL DEN	MCAWW 410.4	
Anions, Ion Chromatography	TAL DEN	SW846 9056A	
Organic Carbon, Total (TOC)	TAL DEN	SW846 9060A	
Color, Colorimetric	TAL DEN	SM SM 2120B	
Alkalinity	TAL DEN	SM SM 2320B	
Hardness, Total	TAL DEN	SM SM 2340C	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	
BOD, 5 Day	TAL DEN	SM SM5210B	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Dobransky, Michael E	MD
MCAWW 350.1	Wolff, Brett Q	BQW
MCAWW 351.2	Woolley, Mark	MW
MCAWW 410.4	Fayard, Maria	MF
SW846 9056A	Phan, Thu L	TLP
SW846 9060A	Bandy, Darlene F	DFB
SM SM 2120B	Ayala, Delaina	DA
SM SM 2320B	Gilbert, Bryan M	BMG
SM SM 2340C	Allen, Andrew J	AJA
SM SM 2540C	Domnick, Brandon J	BJD
SM SM5210B	Ayala, Delaina	DA

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **LF6M1246QA**

Lab Sample ID: 280-30282-1
Client Matrix: Water

Date Sampled: 06/20/2012 1130
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6935.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 1153			Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 1153				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.59	J	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **LF6M1246QA**

Lab Sample ID: 280-30282-1
Client Matrix: Water

Date Sampled: 06/20/2012 1130
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6935.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 1153			Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 1153				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	7.9		0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	4.1		0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	102		85 - 120
1,2-Dichloroethane-d4 (Surr)	85		70 - 120
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	92		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **LF6M1246QA**

Lab Sample ID: 280-30282-1
Client Matrix: Water

Date Sampled: 06/20/2012 1130
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6936.D
Dilution:	1.0			Initial Weight/Volume:	2 mL
Analysis Date:	07/03/2012 1216	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 1216				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
cis-1,2-Dichloroethene	380		1.5	10
Trichloroethene	300		1.6	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	103		85 - 120
1,2-Dichloroethane-d4 (Surr)	87		70 - 120
4-Bromofluorobenzene (Surr)	95		75 - 120
Dibromofluoromethane (Surr)	95		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **LF6VM2650QA**

Lab Sample ID: 280-30282-5
Client Matrix: Water

Date Sampled: 06/20/2012 1436
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6937.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 1239			Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 1239				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U Q	0.17	1.0
1,1,1-Trichloroethane	0.20	U Q	0.16	1.0
1,2,3-Trichloropropane	0.80	U Q	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U Q	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U Q	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U Q	0.81	5.0
1,1-Dichloropropene	0.40	U Q	0.15	1.0
1,1-Dichloroethene	0.20	U Q	0.14	1.0
1,1,2-Trichloroethane	0.40	U Q	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U Q	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U Q	0.14	1.0
1,2-Dichlorobenzene	0.20	U Q	0.13	1.0
1,2-Dichloroethane	0.20	U Q	0.13	1.0
1,3-Dichlorobenzene	0.20	U Q	0.16	1.0
1,3-Dichloropropane	0.20	U Q	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U Q	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U Q	0.16	1.0
1,2-Dichloropropane	0.20	U Q	0.13	1.0
2,2-Dichloropropane	0.40	U Q	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U Q	1.0	5.0
4-Isopropyltoluene	0.40	U Q	0.17	1.0
Benzene	0.20	U Q	0.16	1.0
Acetone	6.4	U Q	1.9	10
Bromobenzene	0.20	U Q	0.17	1.0
Bromoform	0.40	U Q	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U Q	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U Q	0.17	1.0
4-Chlorotoluene	0.40	U Q	0.17	1.0
Chlorobenzene	0.20	U Q	0.17	1.0
Chlorobromomethane	0.20	U Q	0.10	1.0
Chlorodibromomethane	0.40	U Q	0.17	1.0
Chloroform	0.20	U Q	0.16	1.0
Chloroethane	1.6	U Q	0.41	2.0
Chloromethane	0.80	U Q	0.30	2.0
cis-1,3-Dichloropropene	0.20	U Q	0.16	1.0
Dibromomethane	0.40	U Q	0.17	1.0
Dichlorobromomethane	0.20	U Q	0.17	1.0
Dichlorodifluoromethane	0.80	U Q	0.31	2.0
Ethylbenzene	0.20	U Q	0.16	1.0
Hexachlorobutadiene	0.40	U Q	0.36	1.0
Isopropylbenzene	0.40	U Q	0.19	1.0

Client: FPM Remediations Inc | Job Number: 280-30282-1

Client Sample ID: **LF6VM2650QA**

Lab Sample ID: 280-30282-5 | Date Sampled: 06/20/2012 1436
Client Matrix: Water | Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6937.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 1239			Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 1239				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Ethylene Dibromide	0.20	U Q	0.18	1.0
Methylene Chloride	0.40	U Q	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U Q	0.34	2.0
Naphthalene	0.80	U Q	0.22	1.0
n-Butylbenzene	0.40	U Q	0.32	1.0
N-Propylbenzene	0.20	U Q	0.16	1.0
o-Xylene	0.40	U Q	0.19	1.0
Styrene	0.40	U Q	0.17	1.0
sec-Butylbenzene	0.40	U Q	0.17	1.0
tert-Butylbenzene	0.40	U Q	0.16	1.0
trans-1,2-Dichloroethene	0.25	J	0.15	1.0
trans-1,3-Dichloropropene	0.40	U Q	0.19	1.0
Tetrachloroethene	0.40	U Q	0.20	1.0
Toluene	0.40	U Q	0.17	1.0
Trichloroethene	0.20	U Q	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U Q	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U Q	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	192	Q	85 - 120
1,2-Dichloroethane-d4 (Surr)	149	Q	70 - 120
4-Bromofluorobenzene (Surr)	178	Q	75 - 120
Dibromofluoromethane (Surr)	168	Q	85 - 115

Client: FPM Remediations Inc | Job Number: 280-30282-1

Client Sample ID: **LF6VM2650QA**

Lab Sample ID: 280-30282-5 | Date Sampled: 06/20/2012 1436
Client Matrix: Water | Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6938.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2012 1302	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 1302				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
cis-1,2-Dichloroethene	100		0.60	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	112		85 - 120
1,2-Dichloroethane-d4 (Surr)	90		70 - 120
4-Bromofluorobenzene (Surr)	102		75 - 120
Dibromofluoromethane (Surr)	97		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **LF6VM2650QC**

Lab Sample ID: 280-30282-6FD
Client Matrix: Water

Date Sampled: 06/20/2012 1436
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6871.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1157			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1157				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0

Client: FPM Remediations Inc | Job Number: 280-30282-1

Client Sample ID: **LF6VM2650QC**

Lab Sample ID: 280-30282-6FD | Date Sampled: 06/20/2012 1436
Client Matrix: Water | Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6871.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1157			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1157				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	107		85 - 120
1,2-Dichloroethane-d4 (Surr)	83		70 - 120
4-Bromofluorobenzene (Surr)	98		75 - 120
Dibromofluoromethane (Surr)	91		85 - 115

Client: FPM Remediations Inc | Job Number: 280-30282-1

Client Sample ID: **LF6VM2650QC**

Lab Sample ID: 280-30282-6FD | Date Sampled: 06/20/2012 1436
Client Matrix: Water | Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6929.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/03/2012 0937	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0937				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
cis-1,2-Dichloroethene	89		0.60	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	100		85 - 120
1,2-Dichloroethane-d4 (Surr)	81		70 - 120
4-Bromofluorobenzene (Surr)	91		75 - 120
Dibromofluoromethane (Surr)	90		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **LF6SW0301QA**

Lab Sample ID: 280-30282-8
Client Matrix: Water

Date Sampled: 06/20/2012 1546
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6872.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1220			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1220				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc | Job Number: 280-30282-1

Client Sample ID: **LF6SW0301QA**

Lab Sample ID: 280-30282-8 | Date Sampled: 06/20/2012 1546
Client Matrix: Water | Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6872.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1220			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1220				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	109		85 - 120
1,2-Dichloroethane-d4 (Surr)	84		70 - 120
4-Bromofluorobenzene (Surr)	97		75 - 120
Dibromofluoromethane (Surr)	92		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **062012QE**

Lab Sample ID: 280-30282-9EB
Client Matrix: Water

Date Sampled: 06/20/2012 1615
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6873.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1243			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1243				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	8.0	J	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc | Job Number: 280-30282-1

Client Sample ID: **062012QE**

Lab Sample ID: 280-30282-9EB | Date Sampled: 06/20/2012 1615
Client Matrix: Water | Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6873.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1243			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1243				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	101		85 - 120
1,2-Dichloroethane-d4 (Surr)	81		70 - 120
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane (Surr)	90		85 - 115

Client: FPM Remediations Inc | Job Number: 280-30282-1

Client Sample ID: **062012QF**

Lab Sample ID: 280-30282-10FB | Date Sampled: 06/20/2012 1601
Client Matrix: Water | Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6874.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1306			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1306				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **062012QF**

Lab Sample ID: 280-30282-10FB
Client Matrix: Water

Date Sampled: 06/20/2012 1601
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6874.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1306			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1306				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	1.5	J	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	111		85 - 120
1,2-Dichloroethane-d4 (Surr)	87		70 - 120
4-Bromofluorobenzene (Surr)	107		75 - 120
Dibromofluoromethane (Surr)	96		85 - 115

Client: FPM Remediations Inc | Job Number: 280-30282-1

Client Sample ID: **062012QR**

Lab Sample ID: 280-30282-11TB | Date Sampled: 06/20/2012 0915
Client Matrix: Water | Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6875.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1329			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1329				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30282-1

Client Sample ID: **062012QR**

Lab Sample ID: 280-30282-11TB
Client Matrix: Water

Date Sampled: 06/20/2012 0915
Date Received: 06/21/2012 0900

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6875.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1329			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1329				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	102		85 - 120
1,2-Dichloroethane-d4 (Surr)	81		70 - 120
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane (Surr)	87		85 - 115

General Chemistry

Client Sample ID: **LF6M1246QA**

Lab Sample ID: 280-30282-1 Date Sampled: 06/20/2012 1130
Client Matrix: Water Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.084	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1051						
Nitrogen, Kjeldahl	0.83	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2107						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	15	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125568	Analysis Date: 06/26/2012 0806						
Bromide	0.12	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1316						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1316						
Chloride	67		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1711						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1316						
Fluoride	0.68	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1316						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1316						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1316						
Sulfate	47		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1316						
Total Organic Carbon - Quad	3.1		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2233						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	400		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1218						
Hardness as calcium carbonate	460		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	580		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	59	D	mg/L	5.9	50	10	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1311						

General Chemistry

Client Sample ID: **LF6VM17D48QA**

Lab Sample ID: 280-30282-2 Date Sampled: 06/20/2012 1405
Client Matrix: Water Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.090	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1056						
Nitrogen, Kjeldahl	0.64	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2112						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125568	Analysis Date: 06/26/2012 0806						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1333						
Nitrate as N	0.28	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1333						
Chloride	1.3	J	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1333						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1333						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1333						
Nitrate Nitrite as N	0.28	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1333						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1333						
Sulfate	11		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1333						
Total Organic Carbon - Quad	0.50	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2327						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	86		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1223						
Hardness as calcium carbonate	93		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	98		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1313						

General Chemistry

Client Sample ID: **LF6VM17S15QA**

Lab Sample ID: 280-30282-3 Date Sampled: 06/20/2012 1557
Client Matrix: Water Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.076	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1057						
Nitrogen, Kjeldahl	0.85	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2113						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	25		mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125568	Analysis Date: 06/26/2012 0806						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1350						
Nitrate as N	2.2		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1350						
Chloride	0.54	J	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1350						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1350						
Fluoride	0.20	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1350						
Nitrate Nitrite as N	2.2		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1350						
Orthophosphate as P	0.20	U J	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1350						
Sulfate	13		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1350						
Total Organic Carbon - Quad	4.3		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/13/2012 2346						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	3.8	J	mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1228						
Hardness as calcium carbonate	74		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	34		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1314						

General Chemistry

Client Sample ID: **LF6VM2348QA**

Lab Sample ID: 280-30282-4 Date Sampled: 06/20/2012 1457
Client Matrix: Water Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.092	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1059						
Nitrogen, Kjeldahl	0.56	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2114						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125568	Analysis Date: 06/26/2012 0806						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1457						
Nitrate as N	5.7		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1457						
Chloride	1.6	J	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1457						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1457						
Fluoride	0.093	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1457						
Nitrate Nitrite as N	5.7		mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1457						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1457						
Sulfate	18		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1457						
Total Organic Carbon - Quad	0.97	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/14/2012 0004						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	290		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1233						
Hardness as calcium carbonate	310		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	320		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1325						

General Chemistry

Client Sample ID: **LF6VM2650QA**

Lab Sample ID: 280-30282-5 Date Sampled: 06/20/2012 1436
Client Matrix: Water Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.12		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1100						
Nitrogen, Kjeldahl	0.67	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2118						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125568	Analysis Date: 06/26/2012 0806						
Bromide	0.17	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1514						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1514						
Chloride	180		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1728						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1514						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1514						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1514						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1514						
Sulfate	47		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1514						
Total Organic Carbon - Quad	0.72	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/14/2012 0021						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	230		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1237						
Hardness as calcium carbonate	410		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	510		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1326						

General Chemistry

Client Sample ID: **LF6VM2650QC**

Lab Sample ID: 280-30282-6FD Date Sampled: 06/20/2012 1436
Client Matrix: Water Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.48		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1102						
Nitrogen, Kjeldahl	0.66	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2119						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125568	Analysis Date: 06/26/2012 0806						
Bromide	0.18	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1530						
Nitrate as N	0.042	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1530						
Chloride	180		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1745						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1530						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1530						
Nitrate Nitrite as N	0.042	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1530						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1530						
Sulfate	47		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1530						
Total Organic Carbon - Quad	0.73	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/14/2012 0038						
Color	10		PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	230		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1242						
Hardness as calcium carbonate	410		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	510		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1328						

General Chemistry

Client Sample ID: **TMCUM0227QA**

Lab Sample ID: 280-30282-7 Date Sampled: 06/20/2012 1115
Client Matrix: Water Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.096	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1112						
Nitrogen, Kjeldahl	0.65	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2121						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125568	Analysis Date: 06/26/2012 0806						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1547						
Nitrate as N	0.37	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1547						
Chloride	28		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1547						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1547						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1547						
Nitrate Nitrite as N	0.37	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1547						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1547						
Sulfate	27		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1547						
Total Organic Carbon - Quad	0.70	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/14/2012 0132						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	130		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1257						
Hardness as calcium carbonate	170		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	210		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1330						

General Chemistry

Client Sample ID: **LF6SW0301QA**

Lab Sample ID: 280-30282-8 Date Sampled: 06/20/2012 1546
Client Matrix: Water Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.28		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1117						
Nitrogen, Kjeldahl	0.78	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2122						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125568	Analysis Date: 06/26/2012 0806						
Bromide	0.26	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1638						
Nitrate as N	0.19	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1638						
Chloride	170		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1819						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1638						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1638						
Nitrate Nitrite as N	0.19	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1638						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1638						
Sulfate	39		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1638						
Total Organic Carbon - Quad	2.3		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/14/2012 0150						
Color	15		PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	230		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1302						
Hardness as calcium carbonate	300		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	520		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	1.6	J	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1332						

General Chemistry

Client Sample ID: **062012QE**

Lab Sample ID: 280-30282-9EB Date Sampled: 06/20/2012 1615
Client Matrix: Water Date Received: 06/21/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.071	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126731	Analysis Date: 07/05/2012 1118						
Nitrogen, Kjeldahl	0.66	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2123						
Prep Batch: 280-127379	Prep Date: 07/11/2012 2000						
Chemical Oxygen Demand	10	U	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1654						
Nitrate as N	0.052	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1654						
Chloride	0.50	U	mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1654						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1654						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1654						
Nitrate Nitrite as N	0.052	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1654						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125249	Analysis Date: 06/21/2012 1654						
Sulfate	0.50	U	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125250	Analysis Date: 06/21/2012 1654						
Total Organic Carbon - Quad	0.24	J	mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-127875	Analysis Date: 07/14/2012 0207						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126226	Analysis Date: 06/21/2012 1300						
Alkalinity	2.0	U	mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125734	Analysis Date: 06/26/2012 1305						
Hardness as calcium carbonate	1.5	U	mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	10	U	mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125747	Analysis Date: 06/27/2012 0808						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125023	Analysis Date: 06/21/2012 1335						

Client: FPM Remediations Inc

Job Number: 280-30282-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-30282-1	LF6M1246QA	92	85	102	95
280-30282-1 DL	LF6M1246QA DL	95	87	103	95
280-30282-5	LF6VM2650QA	168Q	149Q	192Q	178Q
280-30282-5 DL	LF6VM2650QA DL	97	90	112	102
280-30282-6	LF6VM2650QC	91	83	107	98
280-30282-6 DL	LF6VM2650QC DL	90	81	100	91
280-30282-8	LF6SW0301QA	92	84	109	97
280-30282-9	062012QE	90	81	101	96
280-30282-10	062012QF	96	87	111	107
280-30282-11	062012QR	87	81	102	96
MB 280-126338/7		91	86	106	98
MB 280-126520/8		93	86	106	94
LCS 280-126338/6		90	83	100	89
LCS 280-126520/6		100	93	102	90
LCSD 280-126520/7		94	85	103	87

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method Blank - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-126338/7	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6863.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0856	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0856				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method Blank - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-126338/7	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6863.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0856	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0856				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	106	85 - 120
1,2-Dichloroethane-d4 (Surr)	86	70 - 120
4-Bromofluorobenzene (Surr)	98	75 - 120
Dibromofluoromethane (Surr)	91	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30282-1

Lab Control Sample - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-126338/6	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6862.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0834	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0834				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	5.00	4.44	89	80 - 130	
1,1,1-Trichloroethane	5.00	4.14	83	65 - 130	
1,2,3-Trichloropropane	5.00	4.69	94	75 - 125	
1,2,3-Trichlorobenzene	5.00	4.45	89	55 - 140	
1,1-Dichloroethane	5.00	4.55	91	70 - 135	
1,2,4-Trichlorobenzene	5.00	4.42	88	65 - 135	
1,2-Dibromo-3-Chloropropane	5.00	4.42	88	50 - 130	J
1,1-Dichloropropene	5.00	4.53	91	75 - 130	
1,1-Dichloroethene	5.00	4.74	95	70 - 130	
1,1,2-Trichloroethane	5.00	4.67	93	75 - 125	
1,1,2,2-Tetrachloroethane	5.00	4.55	91	65 - 130	
1,2,4-Trimethylbenzene	5.00	4.42	88	75 - 130	
1,2-Dichlorobenzene	5.00	4.59	92	70 - 120	
1,2-Dichloroethane	5.00	4.76	95	70 - 130	
1,3-Dichlorobenzene	5.00	4.60	92	75 - 125	
1,3-Dichloropropane	5.00	4.55	91	75 - 125	
1,3,5-Trimethylbenzene	5.00	4.51	90	75 - 130	
2-Butanone (MEK)	20.0	28.0	140	30 - 150	
1,4-Dichlorobenzene	5.00	4.58	92	75 - 125	
1,2-Dichloropropane	5.00	4.61	92	75 - 125	
2,2-Dichloropropane	5.00	4.36	87	70 - 135	
2-Hexanone	20.0	22.4	112	55 - 130	
4-Methyl-2-pentanone (MIBK)	20.0	22.0	110	60 - 135	
4-Isopropyltoluene	5.00	4.53	91	75 - 130	
Benzene	5.00	4.47	89	80 - 120	
Acetone	20.0	23.2	116	40 - 140	
Bromobenzene	5.00	4.60	92	75 - 125	
Bromoform	5.00	4.55	91	70 - 130	
Bromomethane	5.00	4.95	99	30 - 145	
Carbon tetrachloride	5.00	4.29	86	65 - 140	
Carbon disulfide	5.00	4.43	89	35 - 160	
2-Chlorotoluene	5.00	4.70	94	75 - 125	
4-Chlorotoluene	5.00	4.80	96	75 - 130	
Chlorobenzene	5.00	4.48	90	80 - 120	
Chlorobromomethane	5.00	4.47	89	65 - 130	
Chlorodibromomethane	5.00	4.49	90	60 - 135	
Chloroform	5.00	4.23	85	65 - 135	
Chloroethane	5.00	4.41	88	60 - 135	
Chloromethane	5.00	4.55	91	40 - 125	
cis-1,2-Dichloroethene	5.00	4.52	90	70 - 125	
cis-1,3-Dichloropropene	5.00	4.38	88	70 - 130	
Dibromomethane	5.00	4.48	90	75 - 125	
Dichlorobromomethane	5.00	4.31	86	75 - 120	
Dichlorodifluoromethane	5.00	4.47	89	30 - 155	
Ethylbenzene	5.00	4.75	95	75 - 125	
Hexachlorobutadiene	5.00	4.29	86	50 - 140	

Client: FPM Remediations Inc

Job Number: 280-30282-1

Lab Control Sample - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-126338/6	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6862.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0834	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0834				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Isopropylbenzene	5.00	4.60	92	75 - 125	
Ethylene Dibromide	5.00	4.55	91	80 - 120	
Methylene Chloride	5.00	4.55	91	55 - 140	J
Methyl tert-butyl ether	5.00	4.29	86	65 - 125	J
m-Xylene & p-Xylene	10.0	9.26	93	75 - 130	
Naphthalene	5.00	4.29	86	55 - 140	
n-Butylbenzene	5.00	4.65	93	70 - 135	
N-Propylbenzene	5.00	4.70	94	70 - 130	
o-Xylene	5.00	4.67	93	80 - 120	
Styrene	5.00	4.39	88	65 - 135	
sec-Butylbenzene	5.00	4.69	94	70 - 125	
tert-Butylbenzene	5.00	4.55	91	70 - 130	
trans-1,2-Dichloroethene	5.00	4.54	91	60 - 140	
trans-1,3-Dichloropropene	5.00	4.45	89	55 - 140	
Tetrachloroethene	5.00	4.59	92	45 - 150	
Toluene	5.00	4.55	91	75 - 120	
Trichloroethene	5.00	4.59	92	70 - 125	
Trichlorofluoromethane	5.00	4.81	96	60 - 145	
Vinyl chloride	5.00	4.60	92	50 - 145	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	100	85 - 120
1,2-Dichloroethane-d4 (Surr)	83	70 - 120
4-Bromofluorobenzene (Surr)	89	75 - 120
Dibromofluoromethane (Surr)	90	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method Blank - Batch: 280-126520

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-126520/8	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6926.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 0829	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0829				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method Blank - Batch: 280-126520

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-126520/8	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6926.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 0829	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0829				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	106	85 - 120
1,2-Dichloroethane-d4 (Surr)	86	70 - 120
4-Bromofluorobenzene (Surr)	94	75 - 120
Dibromofluoromethane (Surr)	93	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30282-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126520

Method: 8260B/DoD
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-126520/6	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6924.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 0743	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0743				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126520/7	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6925.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 0805	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0805				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	84	83	80 - 130	2	30		
1,1,1-Trichloroethane	83	77	65 - 130	7	30		
1,2,3-Trichloropropane	88	90	75 - 125	2	30		
1,2,3-Trichlorobenzene	82	82	55 - 140	1	30		
1,1-Dichloroethane	91	87	70 - 135	4	30		
1,2,4-Trichlorobenzene	81	83	65 - 135	2	30		
1,2-Dibromo-3-Chloropropane	79	82	50 - 130	4	30	J	J
1,1-Dichloropropene	81	80	75 - 130	1	30		
1,1-Dichloroethene	91	87	70 - 130	4	30		
1,1,2-Trichloroethane	92	89	75 - 125	3	30		
1,1,2,2-Tetrachloroethane	85	87	65 - 130	2	30		
1,2,4-Trimethylbenzene	83	81	75 - 130	3	30		
1,2-Dichlorobenzene	88	81	70 - 120	8	30		
1,2-Dichloroethane	94	90	70 - 130	4	30		
1,3-Dichlorobenzene	90	88	75 - 125	1	30		
1,3-Dichloropropane	87	89	75 - 125	2	30		
1,3,5-Trimethylbenzene	82	82	75 - 130	0	30		
2-Butanone (MEK)	127	132	30 - 150	4	30		
1,4-Dichlorobenzene	89	87	75 - 125	2	30		
1,2-Dichloropropane	87	89	75 - 125	2	30		
2,2-Dichloropropane	87	83	70 - 135	5	30		
2-Hexanone	97	99	55 - 130	2	30		
4-Methyl-2-pentanone (MIBK)	99	101	60 - 135	2	30		
4-Isopropyltoluene	82	80	75 - 130	2	30		
Benzene	86	85	80 - 120	1	30		
Acetone	126	116	40 - 140	9	30		
Bromobenzene	89	88	75 - 125	1	30		
Bromoform	88	87	70 - 130	1	30		
Bromomethane	93	91	30 - 145	3	30		
Carbon tetrachloride	83	80	65 - 140	4	30		
Carbon disulfide	89	89	35 - 160	1	30		
2-Chlorotoluene	88	86	75 - 125	2	30		
4-Chlorotoluene	89	89	75 - 130	0	30		
Chlorobenzene	87	86	80 - 120	1	30		
Chlorobromomethane	89	87	65 - 130	3	30		
Chlorodibromomethane	87	87	60 - 135	0	30		

Client: FPM Remediations Inc

Job Number: 280-30282-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126520

Method: 8260B/DoD
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-126520/6	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6924.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 0743	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0743				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126520/7	Analysis Batch:	280-126520	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6925.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/03/2012 0805	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/03/2012 0805				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloroform	83	82	65 - 135	1	30		
Chloroethane	86	80	60 - 135	7	30		
Chloromethane	88	85	40 - 125	3	30		
cis-1,2-Dichloroethene	90	87	70 - 125	3	30		
cis-1,3-Dichloropropene	84	82	70 - 130	2	30		
Dibromomethane	93	93	75 - 125	0	30		
Dichlorobromomethane	84	84	75 - 120	0	30		
Dichlorodifluoromethane	93	88	30 - 155	6	30		
Ethylbenzene	88	87	75 - 125	1	30		
Hexachlorobutadiene	80	80	50 - 140	0	30		
Isopropylbenzene	83	80	75 - 125	3	30		
Ethylene Dibromide	90	90	80 - 120	1	30		
Methylene Chloride	98	96	55 - 140	3	30	J	J
Methyl tert-butyl ether	83	81	65 - 125	2	30	J	J
m-Xylene & p-Xylene	89	89	75 - 130	0	30		
Naphthalene	73	76	55 - 140	4	30		
n-Butylbenzene	85	82	70 - 135	4	30		
N-Propylbenzene	85	85	70 - 130	1	30		
o-Xylene	88	86	80 - 120	2	30		
Styrene	85	84	65 - 135	2	30		
sec-Butylbenzene	88	81	70 - 125	8	30		
tert-Butylbenzene	82	81	70 - 130	1	30		
trans-1,2-Dichloroethene	91	87	60 - 140	5	30		
trans-1,3-Dichloropropene	86	84	55 - 140	2	30		
Tetrachloroethene	90	88	45 - 150	1	30		
Toluene	89	86	75 - 120	3	30		
Trichloroethene	87	85	70 - 125	2	30		
Trichlorofluoromethane	101	96	60 - 145	6	30		
Vinyl chloride	86	78	50 - 145	9	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	102	103	85 - 120
1,2-Dichloroethane-d4 (Surr)	93	85	70 - 120
4-Bromofluorobenzene (Surr)	90	87	75 - 120
Dibromofluoromethane (Surr)	100	94	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30282-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126520

Method: 8260B/DoD
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-126520/6	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-126520/7
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/03/2012 0743			Analysis Date:	07/03/2012 0805
Prep Date:	07/03/2012 0743			Prep Date:	07/03/2012 0805
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,1,2-Tetrachloroethane	5.00	5.00	4.20	4.13
1,1,1-Trichloroethane	5.00	5.00	4.14	3.85
1,2,3-Trichloropropane	5.00	5.00	4.42	4.50
1,2,3-Trichlorobenzene	5.00	5.00	4.08	4.11
1,1-Dichloroethane	5.00	5.00	4.54	4.34
1,2,4-Trichlorobenzene	5.00	5.00	4.07	4.15
1,2-Dibromo-3-Chloropropane	5.00	5.00	3.94 J	4.09 J
1,1-Dichloropropene	5.00	5.00	4.04	4.00
1,1-Dichloroethene	5.00	5.00	4.54	4.35
1,1,2-Trichloroethane	5.00	5.00	4.58	4.45
1,1,2,2-Tetrachloroethane	5.00	5.00	4.26	4.34
1,2,4-Trimethylbenzene	5.00	5.00	4.17	4.07
1,2-Dichlorobenzene	5.00	5.00	4.42	4.07
1,2-Dichloroethane	5.00	5.00	4.70	4.50
1,3-Dichlorobenzene	5.00	5.00	4.48	4.42
1,3-Dichloropropane	5.00	5.00	4.37	4.47
1,3,5-Trimethylbenzene	5.00	5.00	4.08	4.08
2-Butanone (MEK)	20.0	20.0	25.4	26.5
1,4-Dichlorobenzene	5.00	5.00	4.46	4.37
1,2-Dichloropropane	5.00	5.00	4.36	4.46
2,2-Dichloropropane	5.00	5.00	4.34	4.14
2-Hexanone	20.0	20.0	19.3	19.7
4-Methyl-2-pentanone (MIBK)	20.0	20.0	19.7	20.2
4-Isopropyltoluene	5.00	5.00	4.11	4.01
Benzene	5.00	5.00	4.30	4.25
Acetone	20.0	20.0	25.3	23.2
Bromobenzene	5.00	5.00	4.47	4.42
Bromoform	5.00	5.00	4.40	4.36
Bromomethane	5.00	5.00	4.66	4.54
Carbon tetrachloride	5.00	5.00	4.16	4.00
Carbon disulfide	5.00	5.00	4.47	4.45
2-Chlorotoluene	5.00	5.00	4.38	4.28
4-Chlorotoluene	5.00	5.00	4.45	4.44
Chlorobenzene	5.00	5.00	4.36	4.32
Chlorobromomethane	5.00	5.00	4.47	4.33
Chlorodibromomethane	5.00	5.00	4.34	4.33
Chloroform	5.00	5.00	4.14	4.11
Chloroethane	5.00	5.00	4.28	4.00
Chloromethane	5.00	5.00	4.41	4.27

Client: FPM Remediations Inc

Job Number: 280-30282-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126520

Method: 8260B/DoD
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-126520/6	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-126520/7
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/03/2012 0743			Analysis Date:	07/03/2012 0805
Prep Date:	07/03/2012 0743			Prep Date:	07/03/2012 0805
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
cis-1,2-Dichloroethene	5.00	5.00	4.51		4.37	
cis-1,3-Dichloropropene	5.00	5.00	4.19		4.09	
Dibromomethane	5.00	5.00	4.63		4.63	
Dichlorobromomethane	5.00	5.00	4.21		4.20	
Dichlorodifluoromethane	5.00	5.00	4.65		4.39	
Ethylbenzene	5.00	5.00	4.39		4.34	
Hexachlorobutadiene	5.00	5.00	4.02		4.02	
Isopropylbenzene	5.00	5.00	4.16		4.02	
Ethylene Dibromide	5.00	5.00	4.48		4.51	
Methylene Chloride	5.00	5.00	4.92	J	4.79	J
Methyl tert-butyl ether	5.00	5.00	4.15	J	4.06	J
m-Xylene & p-Xylene	10.0	10.0	8.87		8.87	
Naphthalene	5.00	5.00	3.66		3.82	
n-Butylbenzene	5.00	5.00	4.27		4.12	
N-Propylbenzene	5.00	5.00	4.27		4.23	
o-Xylene	5.00	5.00	4.41		4.30	
Styrene	5.00	5.00	4.27		4.20	
sec-Butylbenzene	5.00	5.00	4.39		4.05	
tert-Butylbenzene	5.00	5.00	4.11		4.07	
trans-1,2-Dichloroethene	5.00	5.00	4.57		4.37	
trans-1,3-Dichloropropene	5.00	5.00	4.28		4.18	
Tetrachloroethene	5.00	5.00	4.48		4.42	
Toluene	5.00	5.00	4.43		4.31	
Trichloroethene	5.00	5.00	4.33		4.25	
Trichlorofluoromethane	5.00	5.00	5.07		4.79	
Vinyl chloride	5.00	5.00	4.28		3.92	

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method Blank - Batch: 280-126731

Method: 350.1
Preparation: N/A

Lab Sample ID:	MB 280-126731/20	Analysis Batch:	280-126731	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0705NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/05/2012 1024	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Ammonia	0.050	U	0.022	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126731

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126731/21	Analysis Batch:	280-126731	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0705NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/05/2012 1026	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126731/22	Analysis Batch:	280-126731	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0705NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/05/2012 1027	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	101	101	90 - 110	0	10		

Client: FPM Remediations Inc

Job Number: 280-30282-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126731

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126731/21	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126731/22
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/05/2012 1026			Analysis Date:	07/05/2012 1027
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ammonia	5.00	5.00	5.06	5.07

Client: FPM Remediations Inc

Job Number: 280-30282-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126731

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-30282-1	Analysis Batch:	280-126731	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0705NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/05/2012 1053			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30282-1	Analysis Batch:	280-126731	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0705NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/05/2012 1054			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	35	34	90 - 110	1	20	J	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126731

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-30282-7	Analysis Batch:	280-126731	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0705NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/05/2012 1114			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30282-7	Analysis Batch:	280-126731	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0705NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/05/2012 1115			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia	37	38	90 - 110	3	20	J	J

Client: FPM Remediations Inc

Job Number: 280-30282-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126731

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-30282-1	Units: mg/L	MSD Lab Sample ID:	280-30282-1	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	07/05/2012 1053		Analysis Date:	07/05/2012 1054	
Prep Date:	N/A		Prep Date:	N/A	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Ammonia	0.084	J	4.00	4.00	1.47	J	1.46	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126731

Method: 350.1
Preparation: N/A

MS Lab Sample ID:	280-30282-7	Units: mg/L	MSD Lab Sample ID:	280-30282-7	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	07/05/2012 1114		Analysis Date:	07/05/2012 1115	
Prep Date:	N/A		Prep Date:	N/A	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Ammonia	0.096	J	4.00	4.00	1.56	J	1.60	J

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method Blank - Batch: 280-127379

Method: 351.2
Preparation: 351.2

Lab Sample ID:	MB 280-127379/3-A	Analysis Batch:	280-127784	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127379	Lab File ID:	071312TKNA.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 2106	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/11/2012 2000				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrogen, Kjeldahl	0.277	J	0.077	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-127379

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 280-127379/1-A	Analysis Batch:	280-127784	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127379	Lab File ID:	071312TKNA.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 2103	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/11/2012 2000				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-127379/2-A	Analysis Batch:	280-127784	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127379	Lab File ID:	071312TKNA.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 2104	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/11/2012 2000				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrogen, Kjeldahl	98	97	90 - 110	0	25		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-127379

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 280-127379/1-A	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-127379/2-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/13/2012 2103			Analysis Date:	07/13/2012 2104
Prep Date:	07/11/2012 2000			Prep Date:	07/11/2012 2000
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrogen, Kjeldahl	6.00	6.00	5.86	5.83

Client: FPM Remediations Inc

Job Number: 280-30282-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127379

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	280-30282-1	Analysis Batch:	280-127784	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127379	Lab File ID:	071312TKNA.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 2108			Final Weight/Volume:	25 mL
Prep Date:	07/11/2012 2000				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30282-1	Analysis Batch:	280-127784	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127379	Lab File ID:	071312TKNA.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 2109			Final Weight/Volume:	25 mL
Prep Date:	07/11/2012 2000				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrogen, Kjeldahl	84	84	90 - 110	1	25	J	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127379

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	280-30282-1	Units:	mg/L	MSD Lab Sample ID:	280-30282-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/13/2012 2108			Analysis Date:	07/13/2012 2109
Prep Date:	07/11/2012 2000			Prep Date:	07/11/2012 2000
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitrogen, Kjeldahl	0.83 J	3.00	3.00	3.36 J	3.34 J

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method Blank - Batch: 280-125568

Method: 410.4
Preparation: N/A

Lab Sample ID:	MB 280-125568/5	Analysis Batch:	280-125568	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	06/26/2012 0806	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Chemical Oxygen Demand	10	U	4.1	20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125568

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125568/3	Analysis Batch:	280-125568	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 0806	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125568/4	Analysis Batch:	280-125568	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 0806	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chemical Oxygen Demand	95	98	90 - 110	3	11		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125568

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125568/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125568/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/26/2012 0806			Analysis Date:	06/26/2012 0806
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chemical Oxygen Demand	100	100	95.4	98.4

Client: FPM Remediations Inc

Job Number: 280-30282-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125568

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-30282-1	Analysis Batch:	280-125568	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 0806			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30282-1	Analysis Batch:	280-125568	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 0806			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chemical Oxygen Demand	100	93	90 - 110	5	11		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125568

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-30282-1	Units:	mg/L	MSD Lab Sample ID:	280-30282-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/26/2012 0806			Analysis Date:	06/26/2012 0806
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chemical Oxygen Demand	15	J	50.0	50.0	65.1	61.8

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method Blank - Batch: 280-125624

Method: 410.4
Preparation: N/A

Lab Sample ID:	MB 280-125624/5	Analysis Batch:	280-125624	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	06/26/2012 1137	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Chemical Oxygen Demand	10	U	4.1	20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125624

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125624/3	Analysis Batch:	280-125624	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 1137	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125624/4	Analysis Batch:	280-125624	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 1137	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chemical Oxygen Demand	103	99	90 - 110	4	11		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125624

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125624/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125624/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/26/2012 1137			Analysis Date:	06/26/2012 1137
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chemical Oxygen Demand	100	100	103	99.4

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method Blank - Batch: 280-125249

Method: 9056A
Preparation: N/A

Lab Sample ID:	MB 280-125249/7	Analysis Batch:	280-125249	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	116.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/21/2012 1110	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrate as N	0.10	U	0.042	0.50
Nitrite as N	0.10	U	0.049	0.50
Nitrate Nitrite as N	0.10	U	0.042	0.50
Orthophosphate as P	0.20	U	0.19	0.50

Method Reporting Limit Check - Batch: 280-125249

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-125249/3	Analysis Batch:	280-125249	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/21/2012 1003	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate as N	0.500	0.501	100	50 - 150	
Nitrite as N	0.500	0.490	98	50 - 150	J
Orthophosphate as P	0.500	0.376	75	50 - 150	J

Client: FPM Remediations Inc

Job Number: 280-30282-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125249

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125249/5	Analysis Batch:	280-125249	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/21/2012 1037	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125249/6	Analysis Batch:	280-125249	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	115.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/21/2012 1053	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrate as N	101	101	87 - 110	0	10		
Nitrite as N	96	96	87 - 112	0	10		
Orthophosphate as P	92	93	90 - 110	2	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125249

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125249/5	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125249/6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/21/2012 1037			Analysis Date:	06/21/2012 1053
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrate as N	5.00	5.00	5.05	5.05
Nitrite as N	5.00	5.00	4.81	4.79
Orthophosphate as P	5.00	5.00	4.59	4.67

Client: FPM Remediations Inc

Job Number: 280-30282-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125249

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30282-3	Analysis Batch:	280-125249	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	121.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/21/2012 1423			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30282-3	Analysis Batch:	280-125249	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	122.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/21/2012 1440			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate as N	108	109	87 - 110	1	10		
Nitrite as N	100	101	87 - 112	1	10		
Orthophosphate as P	115	122	80 - 120	5	20		J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125249

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30282-3	Units:	mg/L	MSD Lab Sample ID:	280-30282-3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/21/2012 1423			Analysis Date:	06/21/2012 1440
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Nitrate as N	2.2		5.00	5.00	7.63	7.67	
Nitrite as N	0.10	U	5.00	5.00	4.99	5.03	
Orthophosphate as P	0.20	U	5.00	5.00	5.76	6.08	J

Client: FPM Remediations Inc

Job Number: 280-30282-1

Duplicate - Batch: 280-125249

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30282-3	Analysis Batch:	280-125249	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	120.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/21/2012 1406	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Nitrate as N	2.2		2.24	0.4	15	
Nitrite as N	0.10	U	0.10	NC	15	U
Orthophosphate as P	0.20	U	0.20	NC	15	U

Duplicate - Batch: 280-125249

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30282-7	Analysis Batch:	280-125249	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	134.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/21/2012 1802	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Nitrate as N	0.37	J	0.368	0.8	15	J
Nitrite as N	0.10	U	0.10	NC	15	U
Orthophosphate as P	0.20	U	0.20	NC	15	U

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method Blank - Batch: 280-125250

Method: 9056A
Preparation: N/A

Lab Sample ID:	MB 280-125250/7	Analysis Batch:	280-125250	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	116.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/21/2012 1110	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Bromide	0.20	U	0.11	0.50
Chloride	0.50	U	0.25	3.0
Fluoride	0.10	U	0.060	1.0
Sulfate	0.50	U	0.23	5.0

Method Reporting Limit Check - Batch: 280-125250

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-125250/4	Analysis Batch:	280-125250	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/21/2012 1020	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	0.200	0.220	110	50 - 150	
Chloride	1.00	1.04	104	50 - 150	J
Fluoride	0.200	0.190	95	50 - 150	J
Sulfate	1.00	0.788	79	50 - 150	J

Client: FPM Remediations Inc

Job Number: 280-30282-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125250

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125250/5	Analysis Batch:	280-125250	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/21/2012 1037	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125250/6	Analysis Batch:	280-125250	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	115.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/21/2012 1053	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bromide	100	100	86 - 110	0	10		
Chloride	101	101	89 - 110	0	10		
Fluoride	102	102	88 - 111	0	10		
Sulfate	102	101	86 - 110	0	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125250

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125250/5	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125250/6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/21/2012 1037			Analysis Date:	06/21/2012 1053
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Bromide	5.00	5.00	5.01	5.01
Chloride	25.0	25.0	25.2	25.2
Fluoride	5.00	5.00	5.11	5.11
Sulfate	25.0	25.0	25.4	25.3

Client: FPM Remediations Inc

Job Number: 280-30282-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125250

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30282-3	Analysis Batch:	280-125250	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	121.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/21/2012 1423			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30282-3	Analysis Batch:	280-125250	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	122.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/21/2012 1440			Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromide	107	108	86 - 110	1	10		
Chloride	109	110	89 - 110	1	10		
Fluoride	107	109	88 - 111	2	10		
Sulfate	102	103	86 - 110	0	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125250

Method: 9056A
Preparation: N/A

MS Lab Sample ID:	280-30282-3	Units:	mg/L	MSD Lab Sample ID:	280-30282-3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/21/2012 1423			Analysis Date:	06/21/2012 1440
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

	Sample		MS Spike	MSD Spike	MS	MSD
Analyte	Result/Qual		Amount	Amount	Result/Qual	Result/Qual
Bromide	0.20	U	5.00	5.00	5.35	5.40
Chloride	0.54	J	25.0	25.0	27.9	28.1
Fluoride	0.20	J	5.00	5.00	5.54	5.67
Sulfate	13		25.0	25.0	39.0	39.1

Client: FPM Remediations Inc

Job Number: 280-30282-1

Duplicate - Batch: 280-125250

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30282-3	Analysis Batch:	280-125250	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	120.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/21/2012 1406	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Bromide	0.20	U	0.20	NC	15	U
Chloride	0.54	J	0.585	7	15	J
Fluoride	0.20	J	0.214	7	15	J
Sulfate	13		14.3	7	15	

Duplicate - Batch: 280-125250

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30282-7	Analysis Batch:	280-125250	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	134.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/21/2012 1802	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Bromide	0.20	U	0.20	NC	15	U
Chloride	28		28.6	0.5	15	
Fluoride	0.10	U	0.10	NC	15	U
Sulfate	27		27.0	0.4	15	

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method Blank - Batch: 280-127875

Method: 9060A
Preparation: N/A

Lab Sample ID:	MB 280-127875/5	Analysis Batch:	280-127875	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071312.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/13/2012 1816	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Total Organic Carbon - Quad	0.40	U	0.16	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-127875

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-127875/3	Analysis Batch:	280-127875	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071312.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/13/2012 1738	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-127875/4	Analysis Batch:	280-127875	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071312.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/13/2012 1756	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon - Quad	96	96	86 - 114	0	12		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-127875

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-127875/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-127875/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/13/2012 1738			Analysis Date:	07/13/2012 1756
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon - Quad	25.0	25.0	24.1	24.0

Client: FPM Remediations Inc

Job Number: 280-30282-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127875

Method: 9060A
Preparation: N/A

MS Lab Sample ID:	280-30282-1	Analysis Batch:	280-127875	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071312.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/13/2012 2250			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30282-1	Analysis Batch:	280-127875	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071312.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/13/2012 2308			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon - Quad	96	96	86 - 114	0	12		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127875

Method: 9060A
Preparation: N/A

MS Lab Sample ID:	280-30282-1	Units:	mg/L	MSD Lab Sample ID:	280-30282-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/13/2012 2250			Analysis Date:	07/13/2012 2308
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon - Quad	3.1	25.0	25.0	27.0	27.1

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method Blank - Batch: 280-126226

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	MB 280-126226/1	Analysis Batch:	280-126226	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/21/2012 1300	Units:	PCU	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Color	5.0	U	5.0	5.0

Duplicate - Batch: 280-126226

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	280-30282-1	Analysis Batch:	280-126226	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/21/2012 1300	Units:	PCU	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Color	5.0	U	5.0	NC	20	U

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method Blank - Batch: 280-125734

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	MB 280-125734/33	Analysis Batch:	280-125734	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062612.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1105	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Alkalinity	2.0	U	1.1	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125734

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125734/31	Analysis Batch:	280-125734	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062612.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1056	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125734/32	Analysis Batch:	280-125734	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062612.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/26/2012 1101	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Alkalinity	103	104	90 - 110	0	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125734

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125734/31	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125734/32
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/26/2012 1056			Analysis Date:	06/26/2012 1101
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Alkalinity	200	200	207	207

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method Blank - Batch: 280-128017

Method: SM 2340C
Preparation: N/A

Lab Sample ID:	MB 280-128017/1	Analysis Batch:	280-128017	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2012 0902	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hardness as calcium carbonate	1.5	U	1.3	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-128017

Method: SM 2340C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128017/2	Analysis Batch:	280-128017	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2012 0902	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-128017/3	Analysis Batch:	280-128017	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2012 0902	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hardness as calcium carbonate	99	99	90 - 110	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-128017

Method: SM 2340C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128017/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-128017/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/17/2012 0902			Analysis Date:	07/17/2012 0902
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Hardness as calcium carbonate	403	403	398	400

Client: FPM Remediations Inc

Job Number: 280-30282-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-128017

Method: SM 2340C
Preparation: N/A

MS Lab Sample ID:	280-30282-1	Analysis Batch:	280-128017	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2012 0902			Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30282-1	Analysis Batch:	280-128017	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2012 0902			Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hardness as calcium carbonate	96	100	90 - 110	2	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-128017

Method: SM 2340C
Preparation: N/A

MS Lab Sample ID:	280-30282-1	Units:	mg/L	MSD Lab Sample ID:	280-30282-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/17/2012 0902			Analysis Date:	07/17/2012 0902
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Hardness as calcium carbonate	460	403	403	848	866

Client: FPM Remediations Inc

Job Number: 280-30282-1

Method Blank - Batch: 280-125747

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 280-125747/1	Analysis Batch:	280-125747	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/27/2012 0808	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Total Dissolved Solids	10	U	4.7	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125747

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125747/2	Analysis Batch:	280-125747	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/27/2012 0808	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125747/3	Analysis Batch:	280-125747	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/27/2012 0808	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	95	94	86 - 110	1	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125747

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125747/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125747/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/27/2012 0808			Analysis Date:	06/27/2012 0808
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	502	502	478	471

Client: FPM Remediations Inc

Job Number: 280-30282-1

Duplicate - Batch: 280-125747

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	280-30282-1	Analysis Batch:	280-125747	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/27/2012 0808	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	580	585	2	10	

Method Blank - Batch: 280-125023 **Method: SM5210B**
Preparation: N/A

Lab Sample ID:	MB 280-125023/6	Analysis Batch:	280-125023	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/21/2012 1300	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Biochemical Oxygen Demand	0.60	U	0.24	2.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125023 **Method: SM5210B**
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125023/4	Analysis Batch:	280-125023	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/21/2012 1300	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125023/5	Analysis Batch:	280-125023	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/21/2012 1300	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Biochemical Oxygen Demand	101	106	85 - 115	6	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125023 **Method: SM5210B**
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125023/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125023/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/21/2012 1300			Analysis Date:	06/21/2012 1300
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Biochemical Oxygen Demand	198	198	199	211

Client: FPM Remediations Inc

Job Number: 280-30282-1

Duplicate - Batch: 280-125023

Method: SM5210B
Preparation: N/A

Lab Sample ID:	280-30282-1	Analysis Batch:	280-125023	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/21/2012 1311	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Biochemical Oxygen Demand	59	56.8	4	20	D

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-30282-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-30282-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-126338					
LCS 280-126338/6	Lab Control Sample	T	Water	8260B/DoD	
MB 280-126338/7	Method Blank	T	Water	8260B/DoD	
280-30282-6FD	LF6VM2650QC	T	Water	8260B/DoD	
280-30282-8	LF6SW0301QA	T	Water	8260B/DoD	
280-30282-9EB	062012QE	T	Water	8260B/DoD	
280-30282-10FB	062012QF	T	Water	8260B/DoD	
280-30282-11TB	062012QR	T	Water	8260B/DoD	
Analysis Batch:280-126520					
LCS 280-126520/6	Lab Control Sample	T	Water	8260B/DoD	
LCSD 280-126520/7	Lab Control Sample Duplicate	T	Water	8260B/DoD	
MB 280-126520/8	Method Blank	T	Water	8260B/DoD	
280-30282-1	LF6M1246QA	T	Water	8260B/DoD	
280-30282-1DL	LF6M1246QA	T	Water	8260B/DoD	
280-30282-5	LF6VM2650QA	T	Water	8260B/DoD	
280-30282-5DL	LF6VM2650QA	T	Water	8260B/DoD	
280-30282-6FDDL	LF6VM2650QC	T	Water	8260B/DoD	

Report Basis

T = Total

Client: FPM Remediations Inc

Job Number: 280-30282-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-125023					
LCS 280-125023/4	Lab Control Sample	T	Water	SM5210B	
LCSD 280-125023/5	Lab Control Sample Duplicate	T	Water	SM5210B	
MB 280-125023/6	Method Blank	T	Water	SM5210B	
280-30282-1	LF6M1246QA	T	Water	SM5210B	
280-30282-1DU	Duplicate	T	Water	SM5210B	
280-30282-2	LF6VM17D48QA	T	Water	SM5210B	
280-30282-3	LF6VM17S15QA	T	Water	SM5210B	
280-30282-4	LF6VM2348QA	T	Water	SM5210B	
280-30282-5	LF6VM2650QA	T	Water	SM5210B	
280-30282-6FD	LF6VM2650QC	T	Water	SM5210B	
280-30282-7	TMCUM0227QA	T	Water	SM5210B	
280-30282-8	LF6SW0301QA	T	Water	SM5210B	
280-30282-9EB	062012QE	T	Water	SM5210B	
Analysis Batch:280-125249					
LCS 280-125249/5	Lab Control Sample	T	Water	9056A	
LCSD 280-125249/6	Lab Control Sample Duplicate	T	Water	9056A	
MB 280-125249/7	Method Blank	T	Water	9056A	
280-30282-1	LF6M1246QA	T	Water	9056A	
280-30282-2	LF6VM17D48QA	T	Water	9056A	
280-30282-3	LF6VM17S15QA	T	Water	9056A	
280-30282-3DU	Duplicate	T	Water	9056A	
280-30282-3MS	Matrix Spike	T	Water	9056A	
280-30282-3MSD	Matrix Spike Duplicate	T	Water	9056A	
280-30282-4	LF6VM2348QA	T	Water	9056A	
280-30282-5	LF6VM2650QA	T	Water	9056A	
280-30282-6FD	LF6VM2650QC	T	Water	9056A	
280-30282-7	TMCUM0227QA	T	Water	9056A	
280-30282-7DU	Duplicate	T	Water	9056A	
280-30282-8	LF6SW0301QA	T	Water	9056A	
280-30282-9EB	062012QE	T	Water	9056A	

Client: FPM Remediations Inc

Job Number: 280-30282-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-125250					
LCS 280-125250/5	Lab Control Sample	T	Water	9056A	
LCSD 280-125250/6	Lab Control Sample Duplicate	T	Water	9056A	
MB 280-125250/7	Method Blank	T	Water	9056A	
280-30282-1	LF6M1246QA	T	Water	9056A	
280-30282-2	LF6VM17D48QA	T	Water	9056A	
280-30282-3	LF6VM17S15QA	T	Water	9056A	
280-30282-3DU	Duplicate	T	Water	9056A	
280-30282-3MS	Matrix Spike	T	Water	9056A	
280-30282-3MSD	Matrix Spike Duplicate	T	Water	9056A	
280-30282-4	LF6VM2348QA	T	Water	9056A	
280-30282-5	LF6VM2650QA	T	Water	9056A	
280-30282-6FD	LF6VM2650QC	T	Water	9056A	
280-30282-7	TMCUM0227QA	T	Water	9056A	
280-30282-7DU	Duplicate	T	Water	9056A	
280-30282-8	LF6SW0301QA	T	Water	9056A	
280-30282-9EB	062012QE	T	Water	9056A	
Analysis Batch:280-125568					
LCS 280-125568/3	Lab Control Sample	T	Water	410.4	
LCSD 280-125568/4	Lab Control Sample Duplicate	T	Water	410.4	
MB 280-125568/5	Method Blank	T	Water	410.4	
280-30282-1	LF6M1246QA	T	Water	410.4	
280-30282-1MS	Matrix Spike	T	Water	410.4	
280-30282-1MSD	Matrix Spike Duplicate	T	Water	410.4	
280-30282-2	LF6VM17D48QA	T	Water	410.4	
280-30282-3	LF6VM17S15QA	T	Water	410.4	
280-30282-4	LF6VM2348QA	T	Water	410.4	
280-30282-5	LF6VM2650QA	T	Water	410.4	
280-30282-6FD	LF6VM2650QC	T	Water	410.4	
280-30282-7	TMCUM0227QA	T	Water	410.4	
280-30282-8	LF6SW0301QA	T	Water	410.4	
Analysis Batch:280-125624					
LCS 280-125624/3	Lab Control Sample	T	Water	410.4	
LCSD 280-125624/4	Lab Control Sample Duplicate	T	Water	410.4	
MB 280-125624/5	Method Blank	T	Water	410.4	
280-30282-9EB	062012QE	T	Water	410.4	

Client: FPM Remediations Inc

Job Number: 280-30282-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-125734					
LCS 280-125734/31	Lab Control Sample	T	Water	SM 2320B	
LCSD 280-125734/32	Lab Control Sample Duplicate	T	Water	SM 2320B	
MB 280-125734/33	Method Blank	T	Water	SM 2320B	
280-30282-1	LF6M1246QA	T	Water	SM 2320B	
280-30282-2	LF6VM17D48QA	T	Water	SM 2320B	
280-30282-3	LF6VM17S15QA	T	Water	SM 2320B	
280-30282-4	LF6VM2348QA	T	Water	SM 2320B	
280-30282-5	LF6VM2650QA	T	Water	SM 2320B	
280-30282-6FD	LF6VM2650QC	T	Water	SM 2320B	
280-30282-7	TMCUM0227QA	T	Water	SM 2320B	
280-30282-8	LF6SW0301QA	T	Water	SM 2320B	
280-30282-9EB	062012QE	T	Water	SM 2320B	
Analysis Batch:280-125747					
LCS 280-125747/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 280-125747/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 280-125747/1	Method Blank	T	Water	SM 2540C	
280-30282-1	LF6M1246QA	T	Water	SM 2540C	
280-30282-1DU	Duplicate	T	Water	SM 2540C	
280-30282-2	LF6VM17D48QA	T	Water	SM 2540C	
280-30282-3	LF6VM17S15QA	T	Water	SM 2540C	
280-30282-4	LF6VM2348QA	T	Water	SM 2540C	
280-30282-5	LF6VM2650QA	T	Water	SM 2540C	
280-30282-6FD	LF6VM2650QC	T	Water	SM 2540C	
280-30282-7	TMCUM0227QA	T	Water	SM 2540C	
280-30282-8	LF6SW0301QA	T	Water	SM 2540C	
280-30282-9EB	062012QE	T	Water	SM 2540C	
Analysis Batch:280-126226					
MB 280-126226/1	Method Blank	T	Water	SM 2120B	
280-30282-1	LF6M1246QA	T	Water	SM 2120B	
280-30282-1DU	Duplicate	T	Water	SM 2120B	
280-30282-2	LF6VM17D48QA	T	Water	SM 2120B	
280-30282-3	LF6VM17S15QA	T	Water	SM 2120B	
280-30282-4	LF6VM2348QA	T	Water	SM 2120B	
280-30282-5	LF6VM2650QA	T	Water	SM 2120B	
280-30282-6FD	LF6VM2650QC	T	Water	SM 2120B	
280-30282-7	TMCUM0227QA	T	Water	SM 2120B	
280-30282-8	LF6SW0301QA	T	Water	SM 2120B	
280-30282-9EB	062012QE	T	Water	SM 2120B	

Client: FPM Remediations Inc

Job Number: 280-30282-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-126731					
LCS 280-126731/21	Lab Control Sample	T	Water	350.1	
LCSD 280-126731/22	Lab Control Sample Duplicate	T	Water	350.1	
MB 280-126731/20	Method Blank	T	Water	350.1	
280-30282-1	LF6M1246QA	T	Water	350.1	
280-30282-1MS	Matrix Spike	T	Water	350.1	
280-30282-1MSD	Matrix Spike Duplicate	T	Water	350.1	
280-30282-2	LF6VM17D48QA	T	Water	350.1	
280-30282-3	LF6VM17S15QA	T	Water	350.1	
280-30282-4	LF6VM2348QA	T	Water	350.1	
280-30282-5	LF6VM2650QA	T	Water	350.1	
280-30282-6FD	LF6VM2650QC	T	Water	350.1	
280-30282-7	TMCUM0227QA	T	Water	350.1	
280-30282-7MS	Matrix Spike	T	Water	350.1	
280-30282-7MSD	Matrix Spike Duplicate	T	Water	350.1	
280-30282-8	LF6SW0301QA	T	Water	350.1	
280-30282-9EB	062012QE	T	Water	350.1	
Prep Batch: 280-127379					
LCS 280-127379/1-A	Lab Control Sample	T	Water	351.2	
LCSD 280-127379/2-A	Lab Control Sample Duplicate	T	Water	351.2	
MB 280-127379/3-A	Method Blank	T	Water	351.2	
280-30282-1	LF6M1246QA	T	Water	351.2	
280-30282-1MS	Matrix Spike	T	Water	351.2	
280-30282-1MSD	Matrix Spike Duplicate	T	Water	351.2	
280-30282-2	LF6VM17D48QA	T	Water	351.2	
280-30282-3	LF6VM17S15QA	T	Water	351.2	
280-30282-4	LF6VM2348QA	T	Water	351.2	
280-30282-5	LF6VM2650QA	T	Water	351.2	
280-30282-6FD	LF6VM2650QC	T	Water	351.2	
280-30282-7	TMCUM0227QA	T	Water	351.2	
280-30282-8	LF6SW0301QA	T	Water	351.2	
280-30282-9EB	062012QE	T	Water	351.2	

Client: FPM Remediations Inc

Job Number: 280-30282-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-127784					
LCS 280-127379/1-A	Lab Control Sample	T	Water	351.2	280-127379
LCSD 280-127379/2-A	Lab Control Sample Duplicate	T	Water	351.2	280-127379
MB 280-127379/3-A	Method Blank	T	Water	351.2	280-127379
280-30282-1	LF6M1246QA	T	Water	351.2	280-127379
280-30282-1MS	Matrix Spike	T	Water	351.2	280-127379
280-30282-1MSD	Matrix Spike Duplicate	T	Water	351.2	280-127379
280-30282-2	LF6VM17D48QA	T	Water	351.2	280-127379
280-30282-3	LF6VM17S15QA	T	Water	351.2	280-127379
280-30282-4	LF6VM2348QA	T	Water	351.2	280-127379
280-30282-5	LF6VM2650QA	T	Water	351.2	280-127379
280-30282-6FD	LF6VM2650QC	T	Water	351.2	280-127379
280-30282-7	TMCUM0227QA	T	Water	351.2	280-127379
280-30282-8	LF6SW0301QA	T	Water	351.2	280-127379
280-30282-9EB	062012QE	T	Water	351.2	280-127379
Analysis Batch:280-127875					
LCS 280-127875/3	Lab Control Sample	T	Water	9060A	
LCSD 280-127875/4	Lab Control Sample Duplicate	T	Water	9060A	
MB 280-127875/5	Method Blank	T	Water	9060A	
280-30282-1	LF6M1246QA	T	Water	9060A	
280-30282-1MS	Matrix Spike	T	Water	9060A	
280-30282-1MSD	Matrix Spike Duplicate	T	Water	9060A	
280-30282-2	LF6VM17D48QA	T	Water	9060A	
280-30282-3	LF6VM17S15QA	T	Water	9060A	
280-30282-4	LF6VM2348QA	T	Water	9060A	
280-30282-5	LF6VM2650QA	T	Water	9060A	
280-30282-6FD	LF6VM2650QC	T	Water	9060A	
280-30282-7	TMCUM0227QA	T	Water	9060A	
280-30282-8	LF6SW0301QA	T	Water	9060A	
280-30282-9EB	062012QE	T	Water	9060A	

Client: FPM Remediations Inc

Job Number: 280-30282-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-128017					
LCS 280-128017/2	Lab Control Sample	T	Water	SM 2340C	
LCSD 280-128017/3	Lab Control Sample Duplicate	T	Water	SM 2340C	
MB 280-128017/1	Method Blank	T	Water	SM 2340C	
280-30282-1	LF6M1246QA	T	Water	SM 2340C	
280-30282-1MS	Matrix Spike	T	Water	SM 2340C	
280-30282-1MSD	Matrix Spike Duplicate	T	Water	SM 2340C	
280-30282-2	LF6VM17D48QA	T	Water	SM 2340C	
280-30282-3	LF6VM17S15QA	T	Water	SM 2340C	
280-30282-4	LF6VM2348QA	T	Water	SM 2340C	
280-30282-5	LF6VM2650QA	T	Water	SM 2340C	
280-30282-6FD	LF6VM2650QC	T	Water	SM 2340C	
280-30282-7	TMCUM0227QA	T	Water	SM 2340C	
280-30282-8	LF6SW0301QA	T	Water	SM 2340C	
280-30282-9EB	062012QE	T	Water	SM 2340C	

Report Basis
T = Total

Client: FPM Remediations Inc

Job Number: 280-30282-1

Laboratory Chronicle

Lab ID: 280-30282-1 **Client ID:** LF6M1246QA

Sample Date/Time: 06/20/2012 11:30 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30282-G-1		280-126520		07/03/2012 11:53	1	TAL DEN	MD
A:8260B/DoD	280-30282-G-1		280-126520		07/03/2012 11:53	1	TAL DEN	MD
P:5030B	280-30282-G-1	DL	280-126520		07/03/2012 12:16	1	TAL DEN	MD
A:8260B/DoD	280-30282-G-1	DL	280-126520		07/03/2012 12:16	1	TAL DEN	MD
A:350.1	280-30282-D-1		280-126731		07/05/2012 10:51	1	TAL DEN	BQW
P:351.2	280-30282-C-1-A		280-127784	280-127379	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30282-C-1-A		280-127784	280-127379	07/13/2012 21:07	1	TAL DEN	MW
A:410.4	280-30282-C-1		280-125568		06/26/2012 08:06	1	TAL DEN	MF
A:9056A	280-30282-B-1		280-125249		06/21/2012 13:16	1	TAL DEN	TLP
A:9056A	280-30282-B-1		280-125250		06/21/2012 13:16	1	TAL DEN	TLP
A:9056A	280-30282-B-1		280-125250		06/21/2012 17:11	5	TAL DEN	TLP
A:9060A	280-30282-D-1		280-127875		07/13/2012 22:33	1	TAL DEN	DFB
A:SM 2120B	280-30282-A-1		280-126226		06/21/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30282-B-1		280-125734		06/26/2012 12:18	1	TAL DEN	BMG
A:SM 2340C	280-30282-E-1		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30282-B-1		280-125747		06/27/2012 08:08	1	TAL DEN	BJD
A:SM5210B	280-30282-A-1		280-125023		06/21/2012 13:11	10	TAL DEN	DA

Lab ID: 280-30282-1 MS **Client ID:** LF6M1246QA

Sample Date/Time: 06/20/2012 11:30 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30282-D-1 MS		280-126731		07/05/2012 10:53	1	TAL DEN	BQW
P:351.2	280-30282-C-1-B MS		280-127784	280-127379	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30282-C-1-B MS		280-127784	280-127379	07/13/2012 21:08	1	TAL DEN	MW
A:410.4	280-30282-C-1 MS		280-125568		06/26/2012 08:06	1	TAL DEN	MF
A:9060A	280-30282-D-1 MS		280-127875		07/13/2012 22:50	1	TAL DEN	DFB
A:SM 2340C	280-30282-E-1 MS		280-128017		07/17/2012 09:02	1	TAL DEN	AJA

Lab ID: 280-30282-1 MSD **Client ID:** LF6M1246QA

Sample Date/Time: 06/20/2012 11:30 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30282-D-1 MSD		280-126731		07/05/2012 10:54	1	TAL DEN	BQW
P:351.2	280-30282-C-1-C MSD		280-127784	280-127379	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30282-C-1-C MSD		280-127784	280-127379	07/13/2012 21:09	1	TAL DEN	MW
A:410.4	280-30282-C-1 MSD		280-125568		06/26/2012 08:06	1	TAL DEN	MF
A:9060A	280-30282-D-1 MSD		280-127875		07/13/2012 23:08	1	TAL DEN	DFB
A:SM 2340C	280-30282-E-1 MSD		280-128017		07/17/2012 09:02	1	TAL DEN	AJA

Client: FPM Remediations Inc Job Number: 280-30282-1

Laboratory Chronicle

Lab ID: 280-30282-1 DU **Client ID: LF6M1246QA**

Sample Date/Time: 06/20/2012 11:30 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2120B	280-30282-A-1 DU		280-126226		06/21/2012 13:00	1	TAL DEN	DA
A:SM 2540C	280-30282-B-1 DU		280-125747		06/27/2012 08:08	1	TAL DEN	BJD
A:SM5210B	280-30282-A-1 DU		280-125023		06/21/2012 13:11	10	TAL DEN	DA

Lab ID: 280-30282-2 **Client ID: LF6VM17D48QA**

Sample Date/Time: 06/20/2012 14:05 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30282-D-2		280-126731		07/05/2012 10:56	1	TAL DEN	BQW
P:351.2	280-30282-C-2-A		280-127784	280-127379	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30282-C-2-A		280-127784	280-127379	07/13/2012 21:12	1	TAL DEN	MW
A:410.4	280-30282-C-2		280-125568		06/26/2012 08:06	1	TAL DEN	MF
A:9056A	280-30282-B-2		280-125249		06/21/2012 13:33	1	TAL DEN	TLP
A:9056A	280-30282-B-2		280-125250		06/21/2012 13:33	1	TAL DEN	TLP
A:9060A	280-30282-D-2		280-127875		07/13/2012 23:27	1	TAL DEN	DFB
A:SM 2120B	280-30282-A-2		280-126226		06/21/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30282-B-2		280-125734		06/26/2012 12:23	1	TAL DEN	BMG
A:SM 2340C	280-30282-E-2		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30282-B-2		280-125747		06/27/2012 08:08	1	TAL DEN	BJD
A:SM5210B	280-30282-A-2		280-125023		06/21/2012 13:13	1	TAL DEN	DA

Lab ID: 280-30282-3 **Client ID: LF6VM17S15QA**

Sample Date/Time: 06/20/2012 15:57 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30282-D-3		280-126731		07/05/2012 10:57	1	TAL DEN	BQW
P:351.2	280-30282-C-3-A		280-127784	280-127379	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30282-C-3-A		280-127784	280-127379	07/13/2012 21:13	1	TAL DEN	MW
A:410.4	280-30282-C-3		280-125568		06/26/2012 08:06	1	TAL DEN	MF
A:9056A	280-30282-B-3		280-125249		06/21/2012 13:50	1	TAL DEN	TLP
A:9056A	280-30282-B-3		280-125250		06/21/2012 13:50	1	TAL DEN	TLP
A:9060A	280-30282-D-3		280-127875		07/13/2012 23:46	1	TAL DEN	DFB
A:SM 2120B	280-30282-A-3		280-126226		06/21/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30282-B-3		280-125734		06/26/2012 12:28	1	TAL DEN	BMG
A:SM 2340C	280-30282-E-3		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30282-B-3		280-125747		06/27/2012 08:08	1	TAL DEN	BJD
A:SM5210B	280-30282-A-3		280-125023		06/21/2012 13:14	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30282-1

Laboratory Chronicle

Lab ID: 280-30282-3 MS **Client ID:** LF6VM17S15QA

Sample Date/Time: 06/20/2012 15:57 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9056A	280-30282-B-3 MS		280-125249		06/21/2012 14:23	1	TAL DEN	TLP
A:9056A	280-30282-B-3 MS		280-125250		06/21/2012 14:23	1	TAL DEN	TLP

Lab ID: 280-30282-3 MSD **Client ID:** LF6VM17S15QA

Sample Date/Time: 06/20/2012 15:57 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9056A	280-30282-B-3 MSD		280-125249		06/21/2012 14:40	1	TAL DEN	TLP
A:9056A	280-30282-B-3 MSD		280-125250		06/21/2012 14:40	1	TAL DEN	TLP

Lab ID: 280-30282-3 DU **Client ID:** LF6VM17S15QA

Sample Date/Time: 06/20/2012 15:57 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9056A	280-30282-B-3 DU		280-125249		06/21/2012 14:06	1	TAL DEN	TLP
A:9056A	280-30282-B-3 DU		280-125250		06/21/2012 14:06	1	TAL DEN	TLP

Lab ID: 280-30282-4 **Client ID:** LF6VM2348QA

Sample Date/Time: 06/20/2012 14:57 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30282-D-4		280-126731		07/05/2012 10:59	1	TAL DEN	BQW
P:351.2	280-30282-C-4-A		280-127784	280-127379	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30282-C-4-A		280-127784	280-127379	07/13/2012 21:14	1	TAL DEN	MW
A:410.4	280-30282-C-4		280-125568		06/26/2012 08:06	1	TAL DEN	MF
A:9056A	280-30282-B-4		280-125249		06/21/2012 14:57	1	TAL DEN	TLP
A:9056A	280-30282-B-4		280-125250		06/21/2012 14:57	1	TAL DEN	TLP
A:9060A	280-30282-D-4		280-127875		07/14/2012 00:04	1	TAL DEN	DFB
A:SM 2120B	280-30282-A-4		280-126226		06/21/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30282-B-4		280-125734		06/26/2012 12:33	1	TAL DEN	BMG
A:SM 2340C	280-30282-E-4		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30282-B-4		280-125747		06/27/2012 08:08	1	TAL DEN	BJD
A:SM5210B	280-30282-A-4		280-125023		06/21/2012 13:25	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30282-1

Laboratory Chronicle

Lab ID: 280-30282-5 **Client ID:** LF6VM2650QA

Sample Date/Time: 06/20/2012 14:36 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30282-G-5		280-126520		07/03/2012 12:39	1	TAL DEN	MD
A:8260B/DoD	280-30282-G-5		280-126520		07/03/2012 12:39	1	TAL DEN	MD
P:5030B	280-30282-G-5	DL	280-126520		07/03/2012 13:02	1	TAL DEN	MD
A:8260B/DoD	280-30282-G-5	DL	280-126520		07/03/2012 13:02	1	TAL DEN	MD
A:350.1	280-30282-D-5		280-126731		07/05/2012 11:00	1	TAL DEN	BQW
P:351.2	280-30282-C-5-A		280-127784	280-127379	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30282-C-5-A		280-127784	280-127379	07/13/2012 21:18	1	TAL DEN	MW
A:410.4	280-30282-C-5		280-125568		06/26/2012 08:06	1	TAL DEN	MF
A:9056A	280-30282-B-5		280-125249		06/21/2012 15:14	1	TAL DEN	TLP
A:9056A	280-30282-B-5		280-125250		06/21/2012 15:14	1	TAL DEN	TLP
A:9056A	280-30282-B-5		280-125250		06/21/2012 17:28	5	TAL DEN	TLP
A:9060A	280-30282-D-5		280-127875		07/14/2012 00:21	1	TAL DEN	DFB
A:SM 2120B	280-30282-A-5		280-126226		06/21/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30282-B-5		280-125734		06/26/2012 12:37	1	TAL DEN	BMG
A:SM 2340C	280-30282-E-5		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30282-B-5		280-125747		06/27/2012 08:08	1	TAL DEN	BJD
A:SM5210B	280-30282-A-5		280-125023		06/21/2012 13:26	1	TAL DEN	DA

Lab ID: 280-30282-6 **Client ID:** LF6VM2650QC

Sample Date/Time: 06/20/2012 14:36 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30282-F-6		280-126338		07/02/2012 11:57	1	TAL DEN	MD
A:8260B/DoD	280-30282-F-6		280-126338		07/02/2012 11:57	1	TAL DEN	MD
P:5030B	280-30282-G-6	DL	280-126520		07/03/2012 09:37	1	TAL DEN	MD
A:8260B/DoD	280-30282-G-6	DL	280-126520		07/03/2012 09:37	1	TAL DEN	MD
A:350.1	280-30282-D-6		280-126731		07/05/2012 11:02	1	TAL DEN	BQW
P:351.2	280-30282-C-6-A		280-127784	280-127379	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30282-C-6-A		280-127784	280-127379	07/13/2012 21:19	1	TAL DEN	MW
A:410.4	280-30282-C-6		280-125568		06/26/2012 08:06	1	TAL DEN	MF
A:9056A	280-30282-B-6		280-125249		06/21/2012 15:30	1	TAL DEN	TLP
A:9056A	280-30282-B-6		280-125250		06/21/2012 15:30	1	TAL DEN	TLP
A:9056A	280-30282-B-6		280-125250		06/21/2012 17:45	5	TAL DEN	TLP
A:9060A	280-30282-D-6		280-127875		07/14/2012 00:38	1	TAL DEN	DFB
A:SM 2120B	280-30282-A-6		280-126226		06/21/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30282-B-6		280-125734		06/26/2012 12:42	1	TAL DEN	BMG
A:SM 2340C	280-30282-E-6		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30282-B-6		280-125747		06/27/2012 08:08	1	TAL DEN	BJD
A:SM5210B	280-30282-A-6		280-125023		06/21/2012 13:28	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30282-1

Laboratory Chronicle

Lab ID: 280-30282-7 **Client ID:** TMCUM0227QA

Sample Date/Time: 06/20/2012 11:15 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30282-D-7		280-126731		07/05/2012 11:12	1	TAL DEN	BQW
P:351.2	280-30282-C-7-A		280-127784	280-127379	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30282-C-7-A		280-127784	280-127379	07/13/2012 21:21	1	TAL DEN	MW
A:410.4	280-30282-C-7		280-125568		06/26/2012 08:06	1	TAL DEN	MF
A:9056A	280-30282-B-7		280-125249		06/21/2012 15:47	1	TAL DEN	TLP
A:9056A	280-30282-B-7		280-125250		06/21/2012 15:47	1	TAL DEN	TLP
A:9060A	280-30282-D-7		280-127875		07/14/2012 01:32	1	TAL DEN	DFB
A:SM 2120B	280-30282-A-7		280-126226		06/21/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30282-B-7		280-125734		06/26/2012 12:57	1	TAL DEN	BMG
A:SM 2340C	280-30282-E-7		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30282-B-7		280-125747		06/27/2012 08:08	1	TAL DEN	BJD
A:SM5210B	280-30282-A-7		280-125023		06/21/2012 13:30	1	TAL DEN	DA

Lab ID: 280-30282-7 MS **Client ID:** TMCUM0227QA

Sample Date/Time: 06/20/2012 11:15 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30282-D-7 MS		280-126731		07/05/2012 11:14	1	TAL DEN	BQW

Lab ID: 280-30282-7 MSD **Client ID:** TMCUM0227QA

Sample Date/Time: 06/20/2012 11:15 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30282-D-7 MSD		280-126731		07/05/2012 11:15	1	TAL DEN	BQW

Lab ID: 280-30282-7 DU **Client ID:** TMCUM0227QA

Sample Date/Time: 06/20/2012 11:15 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9056A	280-30282-B-7 DU		280-125249		06/21/2012 18:02	1	TAL DEN	TLP
A:9056A	280-30282-B-7 DU		280-125250		06/21/2012 18:02	1	TAL DEN	TLP

Client: FPM Remediations Inc Job Number: 280-30282-1

Laboratory Chronicle

Lab ID: 280-30282-8 **Client ID:** LF6SW0301QA

Sample Date/Time: 06/20/2012 15:46 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30282-G-8		280-126338		07/02/2012 12:20	1	TAL DEN	MD
A:8260B/DoD	280-30282-G-8		280-126338		07/02/2012 12:20	1	TAL DEN	MD
A:350.1	280-30282-D-8		280-126731		07/05/2012 11:17	1	TAL DEN	BQW
P:351.2	280-30282-C-8-A		280-127784	280-127379	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30282-C-8-A		280-127784	280-127379	07/13/2012 21:22	1	TAL DEN	MW
A:410.4	280-30282-C-8		280-125568		06/26/2012 08:06	1	TAL DEN	MF
A:9056A	280-30282-B-8		280-125249		06/21/2012 16:38	1	TAL DEN	TLP
A:9056A	280-30282-B-8		280-125250		06/21/2012 16:38	1	TAL DEN	TLP
A:9056A	280-30282-B-8		280-125250		06/21/2012 18:19	5	TAL DEN	TLP
A:9060A	280-30282-D-8		280-127875		07/14/2012 01:50	1	TAL DEN	DFB
A:SM 2120B	280-30282-A-8		280-126226		06/21/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30282-B-8		280-125734		06/26/2012 13:02	1	TAL DEN	BMG
A:SM 2340C	280-30282-E-8		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30282-B-8		280-125747		06/27/2012 08:08	1	TAL DEN	BJD
A:SM5210B	280-30282-A-8		280-125023		06/21/2012 13:32	1	TAL DEN	DA

Lab ID: 280-30282-9 **Client ID:** 062012QE

Sample Date/Time: 06/20/2012 16:15 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30282-F-9		280-126338		07/02/2012 12:43	1	TAL DEN	MD
A:8260B/DoD	280-30282-F-9		280-126338		07/02/2012 12:43	1	TAL DEN	MD
A:350.1	280-30282-D-9		280-126731		07/05/2012 11:18	1	TAL DEN	BQW
P:351.2	280-30282-C-9-A		280-127784	280-127379	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	280-30282-C-9-A		280-127784	280-127379	07/13/2012 21:23	1	TAL DEN	MW
A:410.4	280-30282-C-9		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	280-30282-B-9		280-125249		06/21/2012 16:54	1	TAL DEN	TLP
A:9056A	280-30282-B-9		280-125250		06/21/2012 16:54	1	TAL DEN	TLP
A:9060A	280-30282-D-9		280-127875		07/14/2012 02:07	1	TAL DEN	DFB
A:SM 2120B	280-30282-A-9		280-126226		06/21/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30282-B-9		280-125734		06/26/2012 13:05	1	TAL DEN	BMG
A:SM 2340C	280-30282-E-9		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30282-B-9		280-125747		06/27/2012 08:08	1	TAL DEN	BJD
A:SM5210B	280-30282-A-9		280-125023		06/21/2012 13:35	1	TAL DEN	DA

Lab ID: 280-30282-10 **Client ID:** 062012QF

Sample Date/Time: 06/20/2012 16:01 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30282-A-10		280-126338		07/02/2012 13:06	1	TAL DEN	MD
A:8260B/DoD	280-30282-A-10		280-126338		07/02/2012 13:06	1	TAL DEN	MD

Client: FPM Remediations Inc

Job Number: 280-30282-1

Laboratory Chronicle

Lab ID: 280-30282-11 **Client ID:** 062012QR

Sample Date/Time: 06/20/2012 09:15 Received Date/Time: 06/21/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30282-A-11		280-126338		07/02/2012 13:29	1	TAL DEN	MD
A:8260B/DoD	280-30282-A-11		280-126338		07/02/2012 13:29	1	TAL DEN	MD

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 280-126338/7		280-126338		07/02/2012 08:56	1	TAL DEN	MD
A:8260B/DoD	MB 280-126338/7		280-126338		07/02/2012 08:56	1	TAL DEN	MD
P:5030B	MB 280-126520/8		280-126520		07/03/2012 08:29	1	TAL DEN	MD
A:8260B/DoD	MB 280-126520/8		280-126520		07/03/2012 08:29	1	TAL DEN	MD
A:350.1	MB 280-126731/20		280-126731		07/05/2012 10:24	1	TAL DEN	BQW
P:351.2	MB 280-127379/3-A		280-127784	280-127379	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	MB 280-127379/3-A		280-127784	280-127379	07/13/2012 21:06	1	TAL DEN	MW
A:410.4	MB 280-125568/5		280-125568		06/26/2012 08:06	1	TAL DEN	MF
A:410.4	MB 280-125624/5		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	MB 280-125249/7		280-125249		06/21/2012 11:10	1	TAL DEN	TLP
A:9056A	MB 280-125250/7		280-125250		06/21/2012 11:10	1	TAL DEN	TLP
A:9060A	MB 280-127875/5		280-127875		07/13/2012 18:16	1	TAL DEN	DFB
A:SM 2120B	MB 280-126226/1		280-126226		06/21/2012 13:00	1	TAL DEN	DA
A:SM 2320B	MB 280-125734/33		280-125734		06/26/2012 11:05	1	TAL DEN	BMG
A:SM 2340C	MB 280-128017/1		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	MB 280-125747/1		280-125747		06/27/2012 08:08	1	TAL DEN	BJD
A:SM5210B	MB 280-125023/6		280-125023		06/21/2012 13:00	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30282-1

Laboratory Chronicle

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-126338/6		280-126338		07/02/2012 08:34	1	TAL DEN	MD
A:8260B/DoD	LCS 280-126338/6		280-126338		07/02/2012 08:34	1	TAL DEN	MD
P:5030B	LCS 280-126520/6		280-126520		07/03/2012 07:43	1	TAL DEN	MD
A:8260B/DoD	LCS 280-126520/6		280-126520		07/03/2012 07:43	1	TAL DEN	MD
A:350.1	LCS 280-126731/21		280-126731		07/05/2012 10:26	1	TAL DEN	BQW
P:351.2	LCS 280-127379/1-A		280-127784	280-127379	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	LCS 280-127379/1-A		280-127784	280-127379	07/13/2012 21:03	1	TAL DEN	MW
A:410.4	LCS 280-125568/3		280-125568		06/26/2012 08:06	1	TAL DEN	MF
A:410.4	LCS 280-125624/3		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	LCS 280-125249/5		280-125249		06/21/2012 10:37	1	TAL DEN	TLP
A:9056A	LCS 280-125250/5		280-125250		06/21/2012 10:37	1	TAL DEN	TLP
A:9060A	LCS 280-127875/3		280-127875		07/13/2012 17:38	1	TAL DEN	DFB
A:SM 2320B	LCS 280-125734/31		280-125734		06/26/2012 10:56	1	TAL DEN	BMG
A:SM 2340C	LCS 280-128017/2		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	LCS 280-125747/2		280-125747		06/27/2012 08:08	1	TAL DEN	BJD
A:SM5210B	LCS 280-125023/4		280-125023		06/21/2012 13:00	1	TAL DEN	DA

Lab ID: LCSD **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCSD 280-126520/7		280-126520		07/03/2012 08:05	1	TAL DEN	MD
A:8260B/DoD	LCSD 280-126520/7		280-126520		07/03/2012 08:05	1	TAL DEN	MD
A:350.1	LCSD 280-126731/22		280-126731		07/05/2012 10:27	1	TAL DEN	BQW
P:351.2	LCSD 280-127379/2-A		280-127784	280-127379	07/11/2012 20:00	1	TAL DEN	MW
A:351.2	LCSD 280-127379/2-A		280-127784	280-127379	07/13/2012 21:04	1	TAL DEN	MW
A:410.4	LCSD 280-125568/4		280-125568		06/26/2012 08:06	1	TAL DEN	MF
A:410.4	LCSD 280-125624/4		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	LCSD 280-125249/6		280-125249		06/21/2012 10:53	1	TAL DEN	TLP
A:9056A	LCSD 280-125250/6		280-125250		06/21/2012 10:53	1	TAL DEN	TLP
A:9060A	LCSD 280-127875/4		280-127875		07/13/2012 17:56	1	TAL DEN	DFB
A:SM 2320B	LCSD 280-125734/32		280-125734		06/26/2012 11:01	1	TAL DEN	BMG
A:SM 2340C	LCSD 280-128017/3		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	LCSD 280-125747/3		280-125747		06/27/2012 08:08	1	TAL DEN	BJD
A:SM5210B	LCSD 280-125023/5		280-125023		06/21/2012 13:00	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30282-1

Laboratory Chronicle

Lab ID: **MRL** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	MRL 280-126731/18		280-126731		07/05/2012 10:21	1	TAL DEN	BQW
A:9056A	MRL 280-125249/3		280-125249		06/21/2012 10:03	1	TAL DEN	TLP
A:9056A	MRL 280-125250/4		280-125250		06/21/2012 10:20	1	TAL DEN	TLP

Lab References:

TAL DEN = TestAmerica Denver

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Alk daily lcs_00253	06/26/12	06/25/12	Di Water, Lot na	1000 mL	Alk stk std_00003	4 mg/L	Alkalinity	200 mg/L
.Alk stk std_00003	02/01/13	Fischer, Lot 110214			(Purchased Reagent)		Alkalinity	50 g/L
BOD Daily LCS_00525	06/21/12	06/21/12	BOD Dilution H20, Lot na	300 mL	BOD LCS INT_00497	6 mg/L	Biochemical Oxygen Demand	198 mg/L
.BOD LCS INT_00497	06/21/12	06/21/12	Di Water, Lot na	1000 mL	BOD Dextrose_00006	4.95 mg/L	Biochemical Oxygen Demand	9900 mg/L
					BOD Glutamic_00008	4.95 mg/L	Biochemical Oxygen Demand	9900 mg/L
..BOD Dextrose_00006	07/31/12	Fisher, Lot 110346			(Purchased Reagent)		Biochemical Oxygen Demand	1 g/g
..BOD Glutamic_00008	11/16/16	Fisher, Lot 103647a			(Purchased Reagent)		Biochemical Oxygen Demand	1 g/g
COD cal std_00014	10/31/13	Ricca, Lot 1204273			(Purchased Reagent)		Chemical Oxygen Demand	1000 mg/L
COD icv std_00009	05/31/13	HACH, Lot A2132			(Purchased Reagent)		Chemical Oxygen Demand	1000 mg/L
cod ms/msd_00006	02/01/13	Chemetrics, Lot 78777			(Purchased Reagent)		Chemical Oxygen Demand	10000 mg/L
Hard lcs std_00022	01/19/14	Lab Chem, Lot B017-22			(Purchased Reagent)		Hardness as calcium carbonate	1.008 mg/mL
IC CAL INT1_00159	06/26/12	06/19/12	Di Water, Lot na	100 mL	IC Br cal_00005	5 mL	Bromide	50 mg/L
					IC CL cal_00008	25 mL	Chloride	250 mg/L
					IC FL cal_00004	5 mL	Fluoride	50 mg/L
					IC N02 CAL_00020	5 mL	Nitrite as N	50 mg/L
					IC N03 cal_00008	5 mL	Nitrate as N	50 mg/L
					IC P04 cal_00008	5 mL	Orthophosphate as P	50 mg/L
					IC sulfatecal_00007	25 mL	Sulfate	250 mg/L
.IC Br cal_00005	07/30/12	Ricca, Lot 4101497			(Purchased Reagent)		Bromide	1000 mg/L
.IC CL cal_00008	09/30/12	Ricca, Lot 1103357			(Purchased Reagent)		Chloride	1000 mg/L
.IC FL cal_00004	11/30/12	Ricca, Lot 4106066			(Purchased Reagent)		Fluoride	1000 mg/L
.IC N02 CAL_00020	08/31/12	RICCA, Lot 1202582			(Purchased Reagent)		Nitrite as N	1000 ppm
.IC N03 cal_00008	11/30/12	Ricca, Lot 1105365			(Purchased Reagent)		Nitrate as N	1000 mg/L
.IC P04 cal_00008	09/30/13	Ricca, Lot 4110047			(Purchased Reagent)		Orthophosphate as P	1000 mg/L
.IC sulfatecal_00007	01/31/13	RICCA, Lot 2108045			(Purchased Reagent)		Sulfate	1000 mg/L
IC daily cal_00820	06/22/12	06/21/12	Di Water, Lot na	100 mL	IC CAL INT1_00159	10 mL	Bromide	5 mg/L
							Chloride	25 mg/L
							Fluoride	5 mg/L
							Nitrite as N	5 mg/L
							Nitrate as N	5 mg/L
							Orthophosphate as P	5 mg/L
							Sulfate	25 mg/L
.IC CAL INT1_00159	06/26/12	06/19/12	Di Water, Lot na	100 mL	IC Br cal_00005	5 mL	Bromide	50 mg/L
					IC CL cal_00008	25 mL	Chloride	250 mg/L
					IC FL cal_00004	5 mL	Fluoride	50 mg/L
					IC N02 CAL_00020	5 mL	Nitrite as N	50 mg/L
					IC N03 cal_00008	5 mL	Nitrate as N	50 mg/L
					IC P04 cal_00008	5 mL	Orthophosphate as P	50 mg/L
					IC sulfatecal_00007	25 mL	Sulfate	250 mg/L
..IC Br cal_00005	07/30/12	Ricca, Lot 4101497			(Purchased Reagent)		Bromide	1000 mg/L
..IC CL cal_00008	09/30/12	Ricca, Lot 1103357			(Purchased Reagent)		Chloride	1000 mg/L
..IC FL cal_00004	11/30/12	Ricca, Lot 4106066			(Purchased Reagent)		Fluoride	1000 mg/L
..IC N02 CAL_00020	08/31/12	RICCA, Lot 1202582			(Purchased Reagent)		Nitrite as N	1000 ppm
..IC N03 cal_00008	11/30/12	Ricca, Lot 1105365			(Purchased Reagent)		Nitrate as N	1000 mg/L
..IC P04 cal_00008	09/30/13	Ricca, Lot 4110047			(Purchased Reagent)		Orthophosphate as P	1000 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..IC sulfatecal_00007	01/31/13		RICCA, Lot 2108045		(Purchased Reagent)		Sulfate	1000 mg/L
IC ICV daily_00820	06/22/12	06/21/12	Di Water, Lot na	25 mL	IC ICV weekly_00153	1 mL	Bromide	2 mg/L
							Chloride	10 mg/L
							Fluoride	2 mg/L
							Nitrite as N	2 mg/L
							Nitrate as N	2 mg/L
							Orthophosphate as P	2 mg/L
							Sulfate	10 mg/L
.IC ICV weekly_00153	06/26/12	06/19/12	Di Water, Lot na	10 mL	IC BR ICV_00005	0.5 mL	Bromide	50 mg/L
					IC CL ICV_00004	2.5 mL	Chloride	250 mg/L
					IC F ICV_00003	0.5 mL	Fluoride	50 mg/L
					IC NO2 ICV_00004	0.5 mL	Nitrite as N	50 mg/L
					IC NO3 ICV_00003	0.5 mL	Nitrate as N	50 mg/L
					IC PO4 ICV_00006	0.5 mL	Orthophosphate as P	50 mg/L
					IC SO4 ICV_00004	2.5 mL	Sulfate	250 mg/L
..IC BR ICV_00005	02/28/13		SPEX, Lot 2-89br-2		(Purchased Reagent)		Bromide	1000 mg/L
..IC CL ICV_00004	07/15/13		LAB CHEM, Lot A195-13		(Purchased Reagent)		Chloride	1000 mg/L
..IC F ICV_00003	06/28/12		LAB CHEM, Lot 0169-19		(Purchased Reagent)		Fluoride	1000 mg/L
..IC NO2 ICV_00004	06/29/13		ERA, Lot 250611		(Purchased Reagent)		Nitrite as N	1000 mg/L
..IC NO3 ICV_00003	11/09/12		LAB CHEM, Lot 0312-12		(Purchased Reagent)		Nitrate as N	1000 mg/L
..IC PO4 ICV_00006	01/17/13		LAB CHEM, Lot A014-13		(Purchased Reagent)		Orthophosphate as P	1000 mg/L
..IC SO4 ICV_00004	07/15/13		LAB CHEM, Lot A195-12		(Purchased Reagent)		Sulfate	1000 mg/L
ICMS/MSD WEEK_00145	06/26/12	06/19/12	Di Water, Lot NA	10 mL	IC SPK 6 ANIO_00011	5 mL	Bromide	499.962 mg/L
							Chloride	2499.92 mg/L
							Fluoride	499.957 mg/L
							Nitrate as N	499.995 mg/L
							Orthophosphate as P	500.069 mg/L
							Sulfate	2500.26 mg/L
					IC SPK N02SOL_00005	5 mL	Nitrite as N	499.973 mg/L
.IC SPK 6 ANIO_00011	08/13/12	02/07/12	Di Water, Lot NA	1000 mL	IC MS/MSD Br_00003	1.2877 g	Bromide	999.925 mg/L
					IC MS/MSD CL_00001	8.2424 g	Chloride	4999.84 mg/L
					IC MS/MSD F_00002	2.21 g	Fluoride	999.914 mg/L
					IC MS/MSD N03_00003	6.0679 g	Nitrate as N	999.99 mg/L
					IC MS/MSD P04_00001	4.3937 g	Orthophosphate as P	1000.14 mg/L
					IC MS/MSD S04_00002	9.0704 g	Sulfate	5000.51 mg/L
..IC MS/MSD Br_00003	09/29/21		FISHER, Lot 110569		(Purchased Reagent)		Bromide	0.77652 g/g
..IC MS/MSD CL_00001	05/22/13		FISHER, Lot C32068		(Purchased Reagent)		Chloride	0.6066 g/g
..IC MS/MSD F_00002	09/29/21		FISHER, Lot 110901		(Purchased Reagent)		Fluoride	0.45245 g/g
..IC MS/MSD N03_00003	10/02/16		FISHER, Lot 035600		(Purchased Reagent)		Nitrate as N	0.1648 g/g
..IC MS/MSD P04_00001	04/24/17		FISHER, Lot 063408		(Purchased Reagent)		Orthophosphate as P	0.22763 g/g
..IC MS/MSD S04_00002	02/21/14		BAKER, Lot G29146		(Purchased Reagent)		Sulfate	0.5513 g/g
.IC SPK N02SOL_00005	02/07/13	02/07/12	Di Water, Lot na	500 mL	IC MS/MSD N02_00001	2.4628 g	Nitrite as N	999.946 mg/L
..IC MS/MSD N02_00001	06/09/17		fisher, Lot 041304		(Purchased Reagent)		Nitrite as N	0.20301 g/g
MV-2 Cleve_00012	10/28/12	04/28/12	P&T Methanol, Lot DE977	10 mL	MV-30265_00015	200 uL	2-Chloroethyl vinyl ether	40 ug/mL
.MV-30265_00015	01/31/16		RESTEK, Lot A079020		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
MV-524 A_00014	09/30/12	03/14/12	Methanol, Lot df233	10 mL	MV-DWM589N_00041	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MB-[illegible]208_00027	400 uL	1-Chlorohexane	[illegible] ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MV-STS440_00035	200 uL	Methyl tert-butyl ether	40 ug/mL
.MV-DWM589N_00041	12/31/13	Ultra Scientific, Lot CG-3928			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-EPA1208_00027	10/31/12	Ultra Scientific, Lot CF-3752			(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
.MV-STS440_00035	01/31/15	Ultra, Lot cc-4444			(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
MV-624 A_00018	12/19/12	06/19/12	Methanol, Lot DF369	10 mL	MV-567117_00001	0.2 mL	Carbon disulfide	40 ug/mL
.MV-567117_00001	05/31/14	RESTEK, Lot A088372			(Purchased Reagent)		Carbon disulfide	2000 ug/mL
MV-Acetates_00001	09/30/12	06/21/12	P&T Methanol, Lot DG256	10 mL	MV-cus14016_00001	200 uL	Methyl acetate	200 ug/mL
.MV-cus14016_00001	09/30/12	ULTRA, Lot CJ-2028			(Purchased Reagent)		Methyl acetate	10000 ug/mL
MV-Archon IS_00519	11/04/12	Supelco, Lot LB88967			(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
MV-Archon SS_00657	12/11/12	Restek, Lot A087857			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
MV-Archon SS_00664	12/29/12	Restek, Lot A087857			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
MV-Main GasKe_00029	06/22/12	05/22/12	P&T Methanol, Lot DF369	10 mL	MV- Acrolein_00010	100 uL	Acrolein	397.818 ug/mL
					MV-5M06036_00033	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-861149_00048	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
					MV-861149_00049	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
.MV- Acrolein_00010	06/22/12	12/22/11	P&T Methanol, Lot De997	5 mL	MV-48501_00005	0.2038 g	Acrolein	39781.8 ug/mL
..MV-48501_00005	06/30/12	Supelco, Lot LB85669v			(Purchased Reagent)		Acrolein	0.976 mL/mL
.MV-5M06036_00033	11/30/12	Supelco, Lot LB86965			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-861149_00048	11/30/13	Supelco, Lot LB85301			(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
.MV-861149_00049	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
MV-Main GasKe_00031	07/30/12	05/22/12	P&T Methanol, Lot DF369	10 mL	MV-5M06036_00033	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-861149_00048	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-861149_00049	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
.MV-5M06036_00033	11/30/12		Supelco, Lot LB86965		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-861149_00048	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
.MV-861149_00049	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
MV-Main_00023	06/30/12	01/25/12	P&T Methanol, Lot de997	10 mL	MV-1-Ch Hex_00008	10.2 uL	1-Chlorohexane	39.944 ug/mL
					MV-502111_00024	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloroethene, Total	80 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
							Xylenes, Total	120 ug/mL
					MV-506052_00025	200 uL	Iodomethane	40 ug/mL
					MV-861145_00020	200 uL	2-Chloro-1,3-butadiene	40 ug/mL
					MV-CUS11338_00029	500 uL	1,4-Dioxane	2000 ug/mL
							2-Methyl-2-propanol	800 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Isobutyl alcohol	800 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl ether	200 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
					MV-CUS11338_00030	500 uL	1,4-Dioxane	2000 ug/mL
							2-Methyl-2-propanol	800 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Isobutyl alcohol	800 ug/mL
							Isopropyl ether	200 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
.MV-1-Ch Hex_00008	07/25/12	01/25/12	P&T Methanol, Lot dd946	5 mL	MV-442258_00002	0.196 g	1-Chlorohexane	39160.8 ug/mL
..MV-442258_00002	07/31/13		Supelco, Lot LB77927		(Purchased Reagent)		1-Chlorohexane	0.999 mL/mL
.MV-502111_00024	04/30/13		Supelco, Lot LB83949		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	6000 ug/mL
.MV-506052_00025	01/31/13		Supelco, Lot LB89742		(Purchased Reagent)		Iodomethane	2000 ug/mL
.MV-861145_00020	06/30/12		Supelco, Lot LB85068		(Purchased Reagent)		2-Chloro-1,3-butadiene	2000 ug/mL
.MV-CUS11338_00029	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							2-Methyl-2-propanol	8000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Ethanol	20000 ug/mL
							Isobutyl alcohol	8000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	4000 ug/mL
							Propionitrile	4000 ug/mL
.MV-CUS11338_00030	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							2-Methyl-2-propanol	8000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Ethanol	20000 ug/mL
							Isobutyl alcohol	8000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	4000 ug/mL
							Propionitrile	4000 ug/mL
MV-Main_00024	12/22/12	06/22/12	P&T Methanol, Lot dg256	10 mL	MV-1-Ch Hex_00009	10 uL	1-Chlorohexane	40.999 ug/mL
					MV-502111_00025	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-CUS11338_00033	500 uL	1,4-Dioxane	2000 ug/mL
					MV-CUS11338_00034	500 uL	1,4-Dioxane	2000 ug/mL
.MV-1-Ch Hex_00009	12/22/12	06/22/12	P&T Methanol, Lot dg256	5 mL	MV-442258_00003	0.2052 g	1-Chlorohexane	40999 ug/mL
..MV-442258_00003	11/30/14	Supelco, Lot LB89038v			(Purchased Reagent)		1-Chlorohexane	0.999 mL/mL
.MV-502111_00025	04/30/13	Supelco, Lot LB83949			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MV-CUS11338_00033	11/30/13	Ultra, Lot CH-3475			(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
.MV-CUS11338_00034	11/30/13	Ultra, Lot CH-3475			(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
MV-SecSrc B_00007	10/18/12	04/18/12	P&T Methanol, Lot df233	5 mL	MV-8240CR310x_00014	100 uL	1,4-Dioxane	800 ug/mL
.MV-8240CR310x_00014	10/25/13	AccuStandard, Lot 210041266			(Purchased Reagent)		1,4-Dioxane	40000 ug/mL
MV-SS GasKe_00020	12/01/12	06/01/12	P&T Methanol, Lot De997	10 mL	MV-30006_00035	320 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-5s06036_00018	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MV-30006_00035	04/30/14	Restek, Lot A079446			(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
.MV-5s06036_00018	02/28/15	Supelco, Lot LB92231			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MV-SS Supp_00011	05/20/12	02/17/12	P&T Methanol, Lot de997	5 mL	MV-562811_00013	100 uL	Methyl acetate	200 ug/mL
					MV-564150_00011	100 uL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
.MV-562811_00013	07/31/13	RESTEK, Lot A086189			(Purchased Reagent)		Methyl acetate	10000 ug/mL
.MV-564150_00011	05/30/12	RESTEK, Lot A081643			(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
MV-Supp Std_00023	12/19/12	05/17/12	P&T Methanol, Lot DF700	10 mL	MV-562811_00013	200 uL	Ethyl acetate	80 ug/mL
							Methyl acetate	200 ug/mL
							Vinyl acetate	80 ug/mL
					MV-564150_00012	200 uL	1,1,1-Trifluoro-2,2-dichloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							2-Nitropropane	40 ug/mL
							2-Pentanone	160 ug/mL
							3-Chloro-1-propene	40 ug/mL
							Carbon disulfide	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,4-Dichloro-2-butene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dichlorofluoromethane	40 ug/mL
							Ethyl ether	40 ug/mL
							Ethyl methacrylate	80 ug/mL
							Hexane	40 ug/mL
							Isopropyl alcohol	800 ug/mL
							Methyl methacrylate	80 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							Tert-amyl methyl ether	200 ug/mL
							Tert-butyl ethyl ether	200 ug/mL
							Tetrahydrofuran	80 ug/mL
							trans-1,4-Dichloro-2-butene	40 ug/mL
					MV-565364_00010	1000 uL	Propene oxide	2000 ug/mL
					MV-565364_00012	1000 uL	Propene oxide	2000 ug/mL
					MV-CUS13060_00013	240 uL	sec-Butyl Alcohol	1205.76 ug/mL
.MV-562811_00013	07/31/13		RESTEK, Lot A086189		(Purchased Reagent)		Ethyl acetate	4000 ug/mL
							Methyl acetate	10000 ug/mL
							Vinyl acetate	4000 ug/mL
.MV-564150_00012	01/30/13		RESTEK, Lot A086228		(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							2-Nitropropane	2000 ug/mL
							2-Pentanone	8000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							cis-1,4-Dichloro-2-butene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	4000 ug/mL
							Hexane	2000 ug/mL
							Isopropyl alcohol	40000 ug/mL
							Methyl methacrylate	4000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Tert-amyl methyl ether	10000 ug/mL
							Tert-butyl ethyl ether	10000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
.MV-565364_00010	02/28/13		RESTEK, Lot A086529		(Purchased Reagent)		Propene oxide	10000 ug/mL
.MV-565364_00012	02/28/13		RESTEK, Lot A086529		(Purchased Reagent)		Propene oxide	10000 ug/mL
.MV-CUS13060_00013	05/31/13		Ultra, Lot CH-1383		(Purchased Reagent)		sec-Butyl Alcohol	50240 ug/mL
MV-Supp Std_00025	10/02/12	06/19/12	P&T Methanol, Lot DF700	10 mL	MV-CUS14015_00001	200 uL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylcyclohexane	40 ug/mL
.MV-CUS14015_00001	07/31/13	Ultra, Lot CJ-2219			(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
NXN CAL INT_00155	07/06/12	07/05/12	Di Water, Lot NA	100 mL	NH3 CAL STD_00014	10 mg/L	Ammonia	100 mg/L
.NH3 CAL STD_00014	02/28/13	Ricca, Lot 1108313			(Purchased Reagent)		Ammonia	1000 mg/L
NXN ICV INT_00148	07/09/12	07/02/12	Di Water, Lot NA	100 mL	NH3 ICV STD_00011	10 mg/L	Ammonia	100 mg/L
.NH3 ICV STD_00011	01/27/14	LAB CHEM, Lot b025-07			(Purchased Reagent)		Ammonia	1000 mg/L
TDS LCS_00279	09/25/12	06/25/12	Di Water, Lot na	1000 mL	NaCl f_00004	0.5018 g	Total Dissolved Solids	501.8 mg/L
.NaCl f_00004	04/14/21	JT Baker, Lot J48622			(Purchased Reagent)		Total Dissolved Solids	1 g/g
TKN 25ppm_00097	07/12/12	07/11/12	Di Water, Lot 1	100 mL	TKN 100PPM_00008	25 mL	Nitrogen, Kjeldahl	25 mg/L
.TKN 100PPM_00008	08/16/12	06/16/12	Di Water, Lot 1	500 mL	TKN CAL STD_00003	50 mL	Nitrogen, Kjeldahl	100 mg/L
..TKN CAL STD_00003	06/24/13	Lab Chem, Lot A174-20			(Purchased Reagent)		Nitrogen, Kjeldahl	1000 mg/L
TKN ICV_00003	12/31/14	ERA, Lot P200-525			(Purchased Reagent)		Nitrogen, Kjeldahl	9.92 mg/L
TOC ICV Std_00012	01/31/13	Ricca, Lot 1201330			(Purchased Reagent)		Total Organic Carbon - Quad	1000 ppm
TOC LCS Std_00013	11/30/13	Ultra Scientific, Lot M01122			(Purchased Reagent)		Total Organic Carbon - Quad	1000 ppm

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB LF6 LTM

TestAmerica Job ID: 280-30282-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alabama	State Program	4	40730
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAC	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAC	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAC	7	E-10166
TestAmerica Denver	Louisiana	NELAC	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAC	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Hampshire	NELAC	1	205310
TestAmerica Denver	New Jersey	NELAC	2	CO004
TestAmerica Denver	New Mexico	State Program	6	N/A
TestAmerica Denver	New York	NELAC	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAC	10	CO200001
TestAmerica Denver	Pennsylvania	NELAC	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Tennessee	State Program	4	TN02944
TestAmerica Denver	Texas	NELAC	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-08-00036
TestAmerica Denver	Utah	NELAC	8	QUAN5
TestAmerica Denver	Virginia	NELAC	3	
TestAmerica Denver	Washington	State Program	10	C1284
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
LF6M1246QA	280-30282-1	92	85	102	95
LF6M1246QA DL	280-30282-1 DL	95	87	103	95
LF6VM2650QA	280-30282-5	168 Q	149 Q	192 Q	178 Q
LF6VM2650QA DL	280-30282-5 DL	97	90	112	102
LF6VM2650QC	280-30282-6	91	83	107	98
LF6VM2650QC DL	280-30282-6 DL	90	81	100	91
LF6SW0301QA	280-30282-8	92	84	109	97
062012QE	280-30282-9	90	81	101	96
062012QF	280-30282-10	96	87	111	107
062012QR	280-30282-11	87	81	102	96
	MB 280-126338/7	91	86	106	98
	MB 280-126520/8	93	86	106	94
	LCS 280-126338/6	90	83	100	89
	LCS 280-126520/6	100	93	102	90
	LCSD 280-126520/7	94	85	103	87

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6862.D

Lab ID: LCS 280-126338/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.44	89	80-130	
1,1,1-Trichloroethane	5.00	4.14	83	65-130	
1,2,3-Trichloropropane	5.00	4.69	94	75-125	
1,2,3-Trichlorobenzene	5.00	4.45	89	55-140	
1,1-Dichloroethane	5.00	4.55	91	70-135	
1,2,4-Trichlorobenzene	5.00	4.42	88	65-135	
1,2-Dibromo-3-Chloropropane	5.00	4.42 J	88	50-130	
1,1-Dichloropropene	5.00	4.53	91	75-130	
1,1-Dichloroethene	5.00	4.74	95	70-130	
1,1,2-Trichloroethane	5.00	4.67	93	75-125	
1,1,2,2-Tetrachloroethane	5.00	4.55	91	65-130	
1,2,4-Trimethylbenzene	5.00	4.42	88	75-130	
1,2-Dichlorobenzene	5.00	4.59	92	70-120	
1,2-Dichloroethane	5.00	4.76	95	70-130	
1,3-Dichlorobenzene	5.00	4.60	92	75-125	
1,3-Dichloropropane	5.00	4.55	91	75-125	
1,3,5-Trimethylbenzene	5.00	4.51	90	75-130	
2-Butanone (MEK)	20.0	28.0	140	30-150	
1,4-Dichlorobenzene	5.00	4.58	92	75-125	
1,2-Dichloropropane	5.00	4.61	92	75-125	
2,2-Dichloropropane	5.00	4.36	87	70-135	
2-Hexanone	20.0	22.4	112	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	22.0	110	60-135	
4-Isopropyltoluene	5.00	4.53	91	75-130	
Benzene	5.00	4.47	89	80-120	
Acetone	20.0	23.2	116	40-140	
Bromobenzene	5.00	4.60	92	75-125	
Bromoform	5.00	4.55	91	70-130	
Bromomethane	5.00	4.95	99	30-145	
Carbon tetrachloride	5.00	4.29	86	65-140	
Carbon disulfide	5.00	4.43	89	35-160	
2-Chlorotoluene	5.00	4.70	94	75-125	
4-Chlorotoluene	5.00	4.80	96	75-130	
Chlorobenzene	5.00	4.48	90	80-120	
Chlorobromomethane	5.00	4.47	89	65-130	
Chlorodibromomethane	5.00	4.49	90	60-135	
Chloroform	5.00	4.23	85	65-135	
Chloroethane	5.00	4.41	88	60-135	
Chloromethane	5.00	4.55	91	40-125	
cis-1,2-Dichloroethene	5.00	4.52	90	70-125	
cis-1,3-Dichloropropene	5.00	4.38	88	70-130	
Dibromomethane	5.00	4.48	90	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6862.D

Lab ID: LCS 280-126338/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorobromomethane	5.00	4.31	86	75-120	
Dichlorodifluoromethane	5.00	4.47	89	30-155	
Ethylbenzene	5.00	4.75	95	75-125	
Hexachlorobutadiene	5.00	4.29	86	50-140	
Isopropylbenzene	5.00	4.60	92	75-125	
Ethylene Dibromide	5.00	4.55	91	80-120	
Methylene Chloride	5.00	4.55 J	91	55-140	
Methyl tert-butyl ether	5.00	4.29 J	86	65-125	
m-Xylene & p-Xylene	10.0	9.26	93	75-130	
Naphthalene	5.00	4.29	86	55-140	
n-Butylbenzene	5.00	4.65	93	70-135	
N-Propylbenzene	5.00	4.70	94	70-130	
o-Xylene	5.00	4.67	93	80-120	
Styrene	5.00	4.39	88	65-135	
sec-Butylbenzene	5.00	4.69	94	70-125	
tert-Butylbenzene	5.00	4.55	91	70-130	
trans-1,2-Dichloroethene	5.00	4.54	91	60-140	
trans-1,3-Dichloropropene	5.00	4.45	89	55-140	
Tetrachloroethene	5.00	4.59	92	45-150	
Toluene	5.00	4.55	91	75-120	
Trichloroethene	5.00	4.59	92	70-125	
Trichlorofluoromethane	5.00	4.81	96	60-145	
Vinyl chloride	5.00	4.60	92	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6924.D

Lab ID: LCS 280-126520/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.20	84	80-130	
1,1,1-Trichloroethane	5.00	4.14	83	65-130	
1,2,3-Trichloropropane	5.00	4.42	88	75-125	
1,2,3-Trichlorobenzene	5.00	4.08	82	55-140	
1,1-Dichloroethane	5.00	4.54	91	70-135	
1,2,4-Trichlorobenzene	5.00	4.07	81	65-135	
1,2-Dibromo-3-Chloropropane	5.00	3.94 J	79	50-130	
1,1-Dichloropropene	5.00	4.04	81	75-130	
1,1-Dichloroethene	5.00	4.54	91	70-130	
1,1,2-Trichloroethane	5.00	4.58	92	75-125	
1,1,2,2-Tetrachloroethane	5.00	4.26	85	65-130	
1,2,4-Trimethylbenzene	5.00	4.17	83	75-130	
1,2-Dichlorobenzene	5.00	4.42	88	70-120	
1,2-Dichloroethane	5.00	4.70	94	70-130	
1,3-Dichlorobenzene	5.00	4.48	90	75-125	
1,3-Dichloropropane	5.00	4.37	87	75-125	
1,3,5-Trimethylbenzene	5.00	4.08	82	75-130	
2-Butanone (MEK)	20.0	25.4	127	30-150	
1,4-Dichlorobenzene	5.00	4.46	89	75-125	
1,2-Dichloropropane	5.00	4.36	87	75-125	
2,2-Dichloropropane	5.00	4.34	87	70-135	
2-Hexanone	20.0	19.3	97	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	19.7	99	60-135	
4-Isopropyltoluene	5.00	4.11	82	75-130	
Benzene	5.00	4.30	86	80-120	
Acetone	20.0	25.3	126	40-140	
Bromobenzene	5.00	4.47	89	75-125	
Bromoform	5.00	4.40	88	70-130	
Bromomethane	5.00	4.66	93	30-145	
Carbon tetrachloride	5.00	4.16	83	65-140	
Carbon disulfide	5.00	4.47	89	35-160	
2-Chlorotoluene	5.00	4.38	88	75-125	
4-Chlorotoluene	5.00	4.45	89	75-130	
Chlorobenzene	5.00	4.36	87	80-120	
Chlorobromomethane	5.00	4.47	89	65-130	
Chlorodibromomethane	5.00	4.34	87	60-135	
Chloroform	5.00	4.14	83	65-135	
Chloroethane	5.00	4.28	86	60-135	
Chloromethane	5.00	4.41	88	40-125	
cis-1,2-Dichloroethene	5.00	4.51	90	70-125	
cis-1,3-Dichloropropene	5.00	4.19	84	70-130	
Dibromomethane	5.00	4.63	93	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6924.D

Lab ID: LCS 280-126520/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorobromomethane	5.00	4.21	84	75-120	
Dichlorodifluoromethane	5.00	4.65	93	30-155	
Ethylbenzene	5.00	4.39	88	75-125	
Hexachlorobutadiene	5.00	4.02	80	50-140	
Isopropylbenzene	5.00	4.16	83	75-125	
Ethylene Dibromide	5.00	4.48	90	80-120	
Methylene Chloride	5.00	4.92 J	98	55-140	
Methyl tert-butyl ether	5.00	4.15 J	83	65-125	
m-Xylene & p-Xylene	10.0	8.87	89	75-130	
Naphthalene	5.00	3.66	73	55-140	
n-Butylbenzene	5.00	4.27	85	70-135	
N-Propylbenzene	5.00	4.27	85	70-130	
o-Xylene	5.00	4.41	88	80-120	
Styrene	5.00	4.27	85	65-135	
sec-Butylbenzene	5.00	4.39	88	70-125	
tert-Butylbenzene	5.00	4.11	82	70-130	
trans-1,2-Dichloroethene	5.00	4.57	91	60-140	
trans-1,3-Dichloropropene	5.00	4.28	86	55-140	
Tetrachloroethene	5.00	4.48	90	45-150	
Toluene	5.00	4.43	89	75-120	
Trichloroethene	5.00	4.33	87	70-125	
Trichlorofluoromethane	5.00	5.07	101	60-145	
Vinyl chloride	5.00	4.28	86	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6925.D

Lab ID: LCSD 280-126520/7 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.13	83	2	30	80-130	
1,1,1-Trichloroethane	5.00	3.85	77	7	30	65-130	
1,2,3-Trichloropropane	5.00	4.50	90	2	30	75-125	
1,2,3-Trichlorobenzene	5.00	4.11	82	1	30	55-140	
1,1-Dichloroethane	5.00	4.34	87	4	30	70-135	
1,2,4-Trichlorobenzene	5.00	4.15	83	2	30	65-135	
1,2-Dibromo-3-Chloropropane	5.00	4.09 J	82	4	30	50-130	
1,1-Dichloropropene	5.00	4.00	80	1	30	75-130	
1,1-Dichloroethene	5.00	4.35	87	4	30	70-130	
1,1,2-Trichloroethane	5.00	4.45	89	3	30	75-125	
1,1,2,2-Tetrachloroethane	5.00	4.34	87	2	30	65-130	
1,2,4-Trimethylbenzene	5.00	4.07	81	3	30	75-130	
1,2-Dichlorobenzene	5.00	4.07	81	8	30	70-120	
1,2-Dichloroethane	5.00	4.50	90	4	30	70-130	
1,3-Dichlorobenzene	5.00	4.42	88	1	30	75-125	
1,3-Dichloropropane	5.00	4.47	89	2	30	75-125	
1,3,5-Trimethylbenzene	5.00	4.08	82	0	30	75-130	
2-Butanone (MEK)	20.0	26.5	132	4	30	30-150	
1,4-Dichlorobenzene	5.00	4.37	87	2	30	75-125	
1,2-Dichloropropane	5.00	4.46	89	2	30	75-125	
2,2-Dichloropropane	5.00	4.14	83	5	30	70-135	
2-Hexanone	20.0	19.7	99	2	30	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	20.2	101	2	30	60-135	
4-Isopropyltoluene	5.00	4.01	80	2	30	75-130	
Benzene	5.00	4.25	85	1	30	80-120	
Acetone	20.0	23.2	116	9	30	40-140	
Bromobenzene	5.00	4.42	88	1	30	75-125	
Bromoform	5.00	4.36	87	1	30	70-130	
Bromomethane	5.00	4.54	91	3	30	30-145	
Carbon tetrachloride	5.00	4.00	80	4	30	65-140	
Carbon disulfide	5.00	4.45	89	1	30	35-160	
2-Chlorotoluene	5.00	4.28	86	2	30	75-125	
4-Chlorotoluene	5.00	4.44	89	0	30	75-130	
Chlorobenzene	5.00	4.32	86	1	30	80-120	
Chlorobromomethane	5.00	4.33	87	3	30	65-130	
Chlorodibromomethane	5.00	4.33	87	0	30	60-135	
Chloroform	5.00	4.11	82	1	30	65-135	
Chloroethane	5.00	4.00	80	7	30	60-135	
Chloromethane	5.00	4.27	85	3	30	40-125	
cis-1,2-Dichloroethene	5.00	4.37	87	3	30	70-125	
cis-1,3-Dichloropropene	5.00	4.09	82	2	30	70-130	
Dibromomethane	5.00	4.63	93	0	30	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6925.D

Lab ID: LCSD 280-126520/7 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dichlorobromomethane	5.00	4.20	84	0	30	75-120	
Dichlorodifluoromethane	5.00	4.39	88	6	30	30-155	
Ethylbenzene	5.00	4.34	87	1	30	75-125	
Hexachlorobutadiene	5.00	4.02	80	0	30	50-140	
Isopropylbenzene	5.00	4.02	80	3	30	75-125	
Ethylene Dibromide	5.00	4.51	90	1	30	80-120	
Methylene Chloride	5.00	4.79 J	96	3	30	55-140	
Methyl tert-butyl ether	5.00	4.06 J	81	2	30	65-125	
m-Xylene & p-Xylene	10.0	8.87	89	0	30	75-130	
Naphthalene	5.00	3.82	76	4	30	55-140	
n-Butylbenzene	5.00	4.12	82	4	30	70-135	
N-Propylbenzene	5.00	4.23	85	1	30	70-130	
o-Xylene	5.00	4.30	86	2	30	80-120	
Styrene	5.00	4.20	84	2	30	65-135	
sec-Butylbenzene	5.00	4.05	81	8	30	70-125	
tert-Butylbenzene	5.00	4.07	81	1	30	70-130	
trans-1,2-Dichloroethene	5.00	4.37	87	5	30	60-140	
trans-1,3-Dichloropropene	5.00	4.18	84	2	30	55-140	
Tetrachloroethene	5.00	4.42	88	1	30	45-150	
Toluene	5.00	4.31	86	3	30	75-120	
Trichloroethene	5.00	4.25	85	2	30	70-125	
Trichlorofluoromethane	5.00	4.79	96	6	30	60-145	
Vinyl chloride	5.00	3.92	78	9	30	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab File ID: RR6863.D Lab Sample ID: MB 280-126338/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: MSV_R2 Date Analyzed: 07/02/2012 08:56

GC Column: DB-624 (60.25) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-126338/6	RR6862.D	07/02/2012 08:34
LF6VM2650QC	280-30282-6	RR6871.D	07/02/2012 11:57
LF6SW0301QA	280-30282-8	RR6872.D	07/02/2012 12:20
062012QE	280-30282-9	RR6873.D	07/02/2012 12:43
062012QF	280-30282-10	RR6874.D	07/02/2012 13:06
062012QR	280-30282-11	RR6875.D	07/02/2012 13:29

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab File ID: RR6926.D Lab Sample ID: MB 280-126520/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: MSV_R2 Date Analyzed: 07/03/2012 08:29

GC Column: DB-624 (60.25) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-126520/6	RR6924.D	07/03/2012 07:43
	LCSD 280-126520/7	RR6925.D	07/03/2012 08:05
LF6VM2650QC DL	280-30282-6 DL	RR6929.D	07/03/2012 09:37
LF6M1246QA	280-30282-1	RR6935.D	07/03/2012 11:53
LF6M1246QA DL	280-30282-1 DL	RR6936.D	07/03/2012 12:16
LF6VM2650QA	280-30282-5	RR6937.D	07/03/2012 12:39
LF6VM2650QA DL	280-30282-5 DL	RR6938.D	07/03/2012 13:02

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab File ID: RR6351.D BFB Injection Date: 06/14/2012

Instrument ID: MSV_R2 BFB Injection Time: 06:38

Analysis Batch No.: 124040

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	49.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.0	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	96.7	
175	5.0 - 9.0 % of mass 174	7.5	(7.7)1
176	95.0 - 101.0 % of mass 174	95.8	(99.1)1
177	5.0 - 9.0 % of mass 176	7.7	(8.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-124040/3	RR6354.D	06/14/2012	07:32
	IC 280-124040/4	RR6355.D	06/14/2012	07:54
	IC 280-124040/5	RR6356.D	06/14/2012	08:17
	ICIS 280-124040/6	RR6357.D	06/14/2012	08:39
	IC 280-124040/7	RR6358.D	06/14/2012	09:01
	IC 280-124040/8	RR6359.D	06/14/2012	09:23
	ICV 280-124040/9	RR6360.D	06/14/2012	09:46

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab File ID: RR6385.D BFB Injection Date: 06/15/2012

Instrument ID: MSV_R2 BFB Injection Time: 06:43

Analysis Batch No.: 124226

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.3	
75	30.0 - 60.0 % of mass 95	49.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.2	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	100.0	
175	5.0 - 9.0 % of mass 174	7.4	(7.4)1
176	95.0 - 101.0 % of mass 174	95.0	(95.0)1
177	5.0 - 9.0 % of mass 176	7.3	(7.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-124226/3	RR6388.D	06/15/2012	07:37
	IC 280-124226/4	RR6389.D	06/15/2012	08:00
	IC 280-124226/5	RR6390.D	06/15/2012	08:22
	IC 280-124226/6	RR6391.D	06/15/2012	08:45
	IC 280-124226/7	RR6392.D	06/15/2012	09:07
	IC 280-124226/8	RR6393.D	06/15/2012	09:30
	IC 280-124226/9	RR6394.D	06/15/2012	09:52
	ICV 280-124226/10	RR6395.D	06/15/2012	10:15
	ICV 280-124226/11	RR6396.D	06/15/2012	10:37
	ICV 280-124226/12	RR6397.D	06/15/2012	11:00
	ICV 280-124226/13	RR6398.D	06/15/2012	11:22

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab File ID: RR6855.D BFB Injection Date: 07/02/2012

Instrument ID: MSV_R2 BFB Injection Time: 06:11

Analysis Batch No.: 126338

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.1	
75	30.0 - 60.0 % of mass 95	46.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	101.5	
175	5.0 - 9.0 % of mass 174	7.4	(7.3)1
176	95.0 - 101.0 % of mass 174	101.5	(99.9)1
177	5.0 - 9.0 % of mass 176	6.8	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-126338/2	RR6857.D	07/02/2012	06:43
	CCV 280-126338/3	RR6859.D	07/02/2012	07:27
	CCV 280-126338/4	RR6860.D	07/02/2012	07:49
	LCS 280-126338/6	RR6862.D	07/02/2012	08:34
	MB 280-126338/7	RR6863.D	07/02/2012	08:56
LF6VM2650QC	280-30282-6	RR6871.D	07/02/2012	11:57
LF6SW0301QA	280-30282-8	RR6872.D	07/02/2012	12:20
062012QE	280-30282-9	RR6873.D	07/02/2012	12:43
062012QF	280-30282-10	RR6874.D	07/02/2012	13:06
062012QR	280-30282-11	RR6875.D	07/02/2012	13:29

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab File ID: RR6918.D BFB Injection Date: 07/03/2012

Instrument ID: MSV_R2 BFB Injection Time: 05:40

Analysis Batch No.: 126520

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.4	
75	30.0 - 60.0 % of mass 95	47.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.4	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	99.1	
175	5.0 - 9.0 % of mass 174	7.2	(7.3)1
176	95.0 - 101.0 % of mass 174	96.1	(97.0)1
177	5.0 - 9.0 % of mass 176	6.2	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-126520/2	RR6920.D	07/03/2012	06:13
	CCV 280-126520/3	RR6921.D	07/03/2012	06:36
	CCV 280-126520/4	RR6922.D	07/03/2012	06:58
	LCS 280-126520/6	RR6924.D	07/03/2012	07:43
	LCSD 280-126520/7	RR6925.D	07/03/2012	08:05
	MB 280-126520/8	RR6926.D	07/03/2012	08:29
LF6VM2650QC DL	280-30282-6 DL	RR6929.D	07/03/2012	09:37
LF6M1246QA	280-30282-1	RR6935.D	07/03/2012	11:53
LF6M1246QA DL	280-30282-1 DL	RR6936.D	07/03/2012	12:16
LF6VM2650QA	280-30282-5	RR6937.D	07/03/2012	12:39
LF6VM2650QA DL	280-30282-5 DL	RR6938.D	07/03/2012	13:02

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Sample No.: ICIS 280-124040/6 Date Analyzed: 06/14/2012 08:39

Instrument ID: MSV_R2 GC Column: DB-624 (60.25) ID: 0.25(mm)

Lab File ID (Standard): RR6357.D Heated Purge: (Y/N) N

Calibration ID: 9710

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		976634	8.56	189086	11.43	271569	14.04
UPPER LIMIT		1953268	9.06	378172	11.93	543138	14.54
LOWER LIMIT		488317	8.06	94543	10.93	135785	13.54
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-124040/9		995420	8.56	212474	11.43	296826	14.05
ICV 280-124226/10		1228623	8.56	256376	11.43	350169	14.05
ICV 280-124226/11		1172093	8.57	246742	11.44	371869	14.05
ICV 280-124226/12		1169423	8.57	236834	11.44	347912	14.05
ICV 280-124226/13		1038187	8.56	220666	11.44	311462	14.05
CCV 280-126338/2		1468900	8.56	311657	11.43	472261	14.05
CCV 280-126338/3		1517888	8.57	302470	11.44	421263	14.05
CCV 280-126338/4		1306497	8.56	262206	11.43	368815	14.04
LCS 280-126338/6		1213193	8.56	248180	11.43	378219	14.05
MB 280-126338/7		1175315	8.57	235446	11.44	322611	14.04
280-30282-6	LF6VM2650QC	1134427	8.57	223278	11.44	311945	14.05
280-30282-8	LF6SW0301QA	1102488	8.57	209746	11.44	292007	14.05
280-30282-9	062012QE	1066422	8.57	213300	11.44	287473	14.05
280-30282-10	062012QF	1039212	8.57	205074	11.44	269633	14.05
280-30282-11	062012QR	1101143	8.57	218631	11.44	295293	14.05
CCV 280-126520/2		1330236	8.56	272553	11.43	430541	14.04
CCV 280-126520/3		1251197	8.56	248989	11.43	344389	14.04
CCV 280-126520/4		1067316	8.56	219828	11.43	305173	14.04
LCS 280-126520/6		1040621	8.56	219210	11.43	351266	14.04
LCSD 280-126520/7		1094820	8.57	221177	11.44	358518	14.05
MB 280-126520/8		1141743	8.56	224748	11.44	316102	14.05
280-30282-6 DL	LF6VM2650QC DL	1134883	8.56	229020	11.43	305734	14.05
280-30282-1	LF6M1246QA	1051881	8.57	212116	11.44	296301	14.05
280-30282-1 DL	LF6M1246QA DL	1041008	8.57	211972	11.44	292265	14.05
280-30282-5	LF6VM2650QA	628747	8.57	125381	11.44	170008	14.06
280-30282-5 DL	LF6VM2650QA DL	987855	8.57	192807	11.45	270743	14.06

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: LF6M1246QA | Lab Sample ID: 280-30282-1

Matrix: Water | Lab File ID: RR6935.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 11:30

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 11:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.59	J	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: LF6M1246QA | Lab Sample ID: 280-30282-1

Matrix: Water | Lab File ID: RR6935.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 11:30

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 11:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	7.9		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	4.1		1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Client Sample ID: LF6M1246QA Lab Sample ID: 280-30282-1

Matrix: Water Lab File ID: RR6935.D

Analysis Method: 8260B/DoD Date Collected: 06/20/2012 11:30

Sample wt/vol: 20(mL) Date Analyzed: 07/03/2012 11:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126520 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		70-120
460-00-4	4-Bromofluorobenzene (Surr)	95		75-120
1868-53-7	Dibromofluoromethane (Surr)	92		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6935.D
Lab Smp Id: 280-30282-G-1 Client Smp ID: LF6M1246QA
Inj Date : 03-JUL-2012 11:53
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30282-g-1,,PH<2
Misc Info : 280-30282-G-1
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 11:44 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	62 Fluorobenzene	96	8.570	8.562	(1.000)	1051881	12.5000	
*	88 Chlorobenzene-d5	119	11.439	11.431	(1.000)	212116	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.052	14.044	(1.000)	296301	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.968	7.960	(0.930)	376841	10.3721	10.3721
$	58 1,2-Dichloroethane-d4	65	8.293	8.285	(0.968)	231544	9.58510	9.58510
$	76 Toluene-d8	98	9.960	9.952	(0.871)	1189548	11.4753	11.4753
$	99 4-Bromofluorobenzene (Surr)	95	12.751	12.743	(0.907)	329308	10.7054	10.7054
M	2 1,2-Dichloroethene (total)	96				11619731	414.567	414.567
M	3 Xylene (total)	106	Compound Not Detected.					
	7 dichlorodifluoromethane	85	Compound Not Detected.					
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	4.891	4.873	(0.571)	109658	4.08292	4.08292
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	17 1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
	19 Ethyl Ether	59	Compound Not Detected.					
	20 2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	6.114	6.106	(0.713)	16718	0.59241	0.592406(aQ)
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	6.745	6.747	(0.787)	241668	7.94116	7.94116
36 Hexane	57	6.913	6.915	(0.604)	7203	0.18171	0.181707(a)
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	7.593	7.585	(0.886)	11378063	406.626	406.626(A)
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	8.885	8.877	(1.037)	9660741	326.997	326.997(A)
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

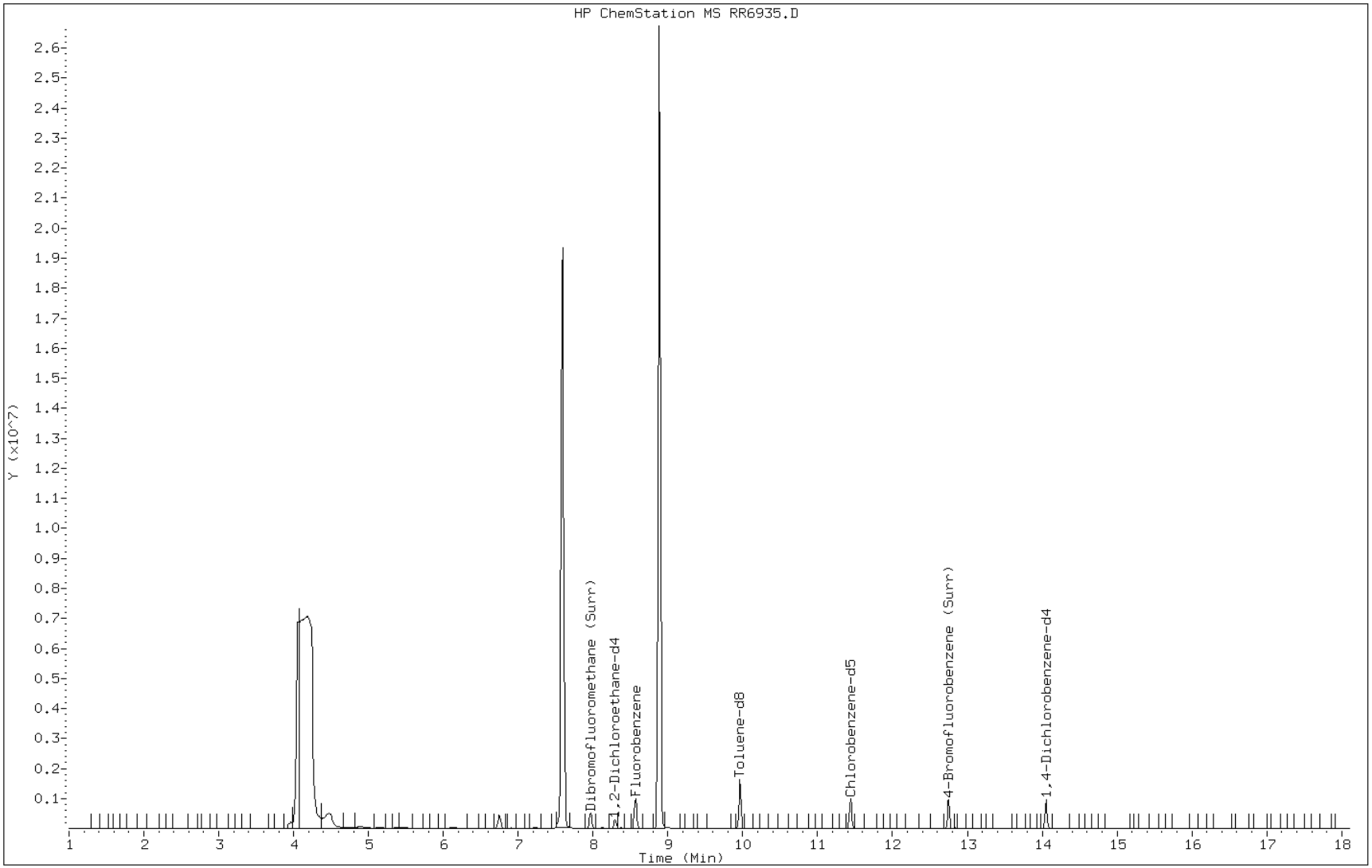
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: RR6935.D

Date: 03-JUL-2012 11:53

Client ID: LF6M1246QA Instrument: R2.i

Sample Info: 280-30282-g-1,,PH<2 Operator: DOBRANSKYM



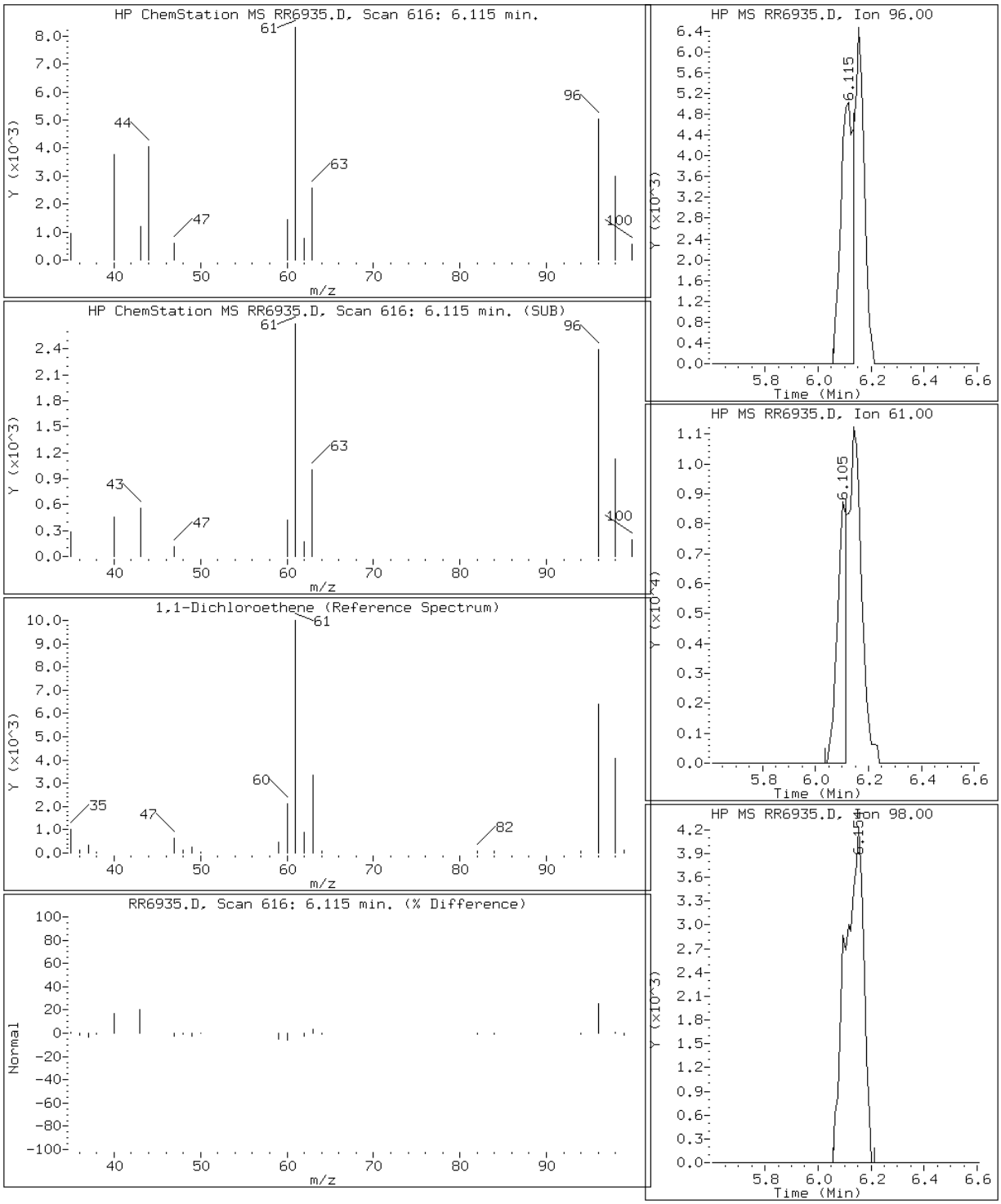
Data File: RR6935.D

Date: 03-JUL-2012 11:53

Client ID: LF6M1246QA Instrument: R2.i

Sample Info: 280-30282-g-1,,PH<2 Operator: DOBRANSKYM

25 1,1-Dichloroethene



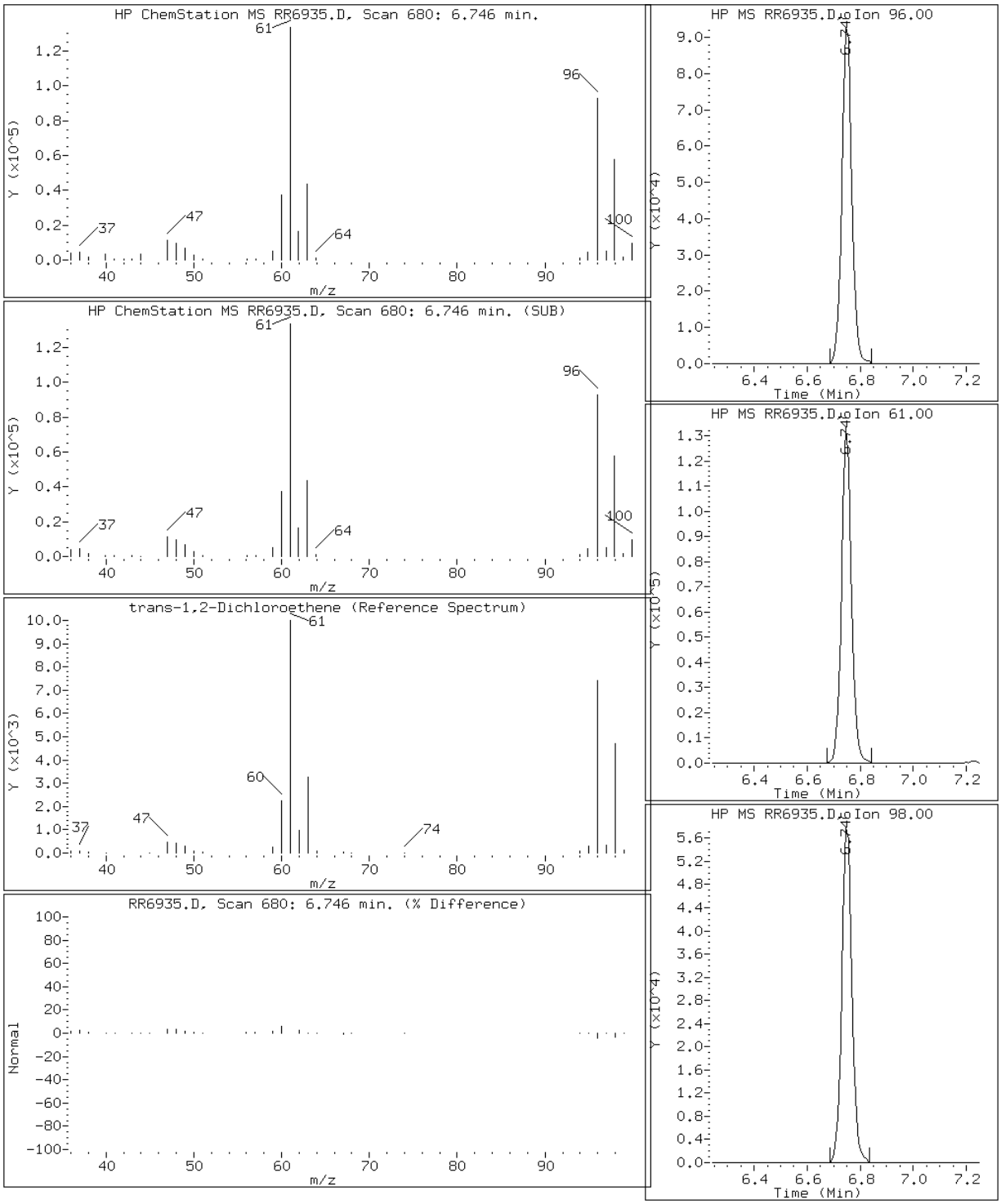
Data File: RR6935.D

Date: 03-JUL-2012 11:53

Client ID: LF6M1246QA Instrument: R2.i

Sample Info: 280-30282-g-1,,PH<2 Operator: DOBRANSKYM

35 trans-1,2-Dichloroethene



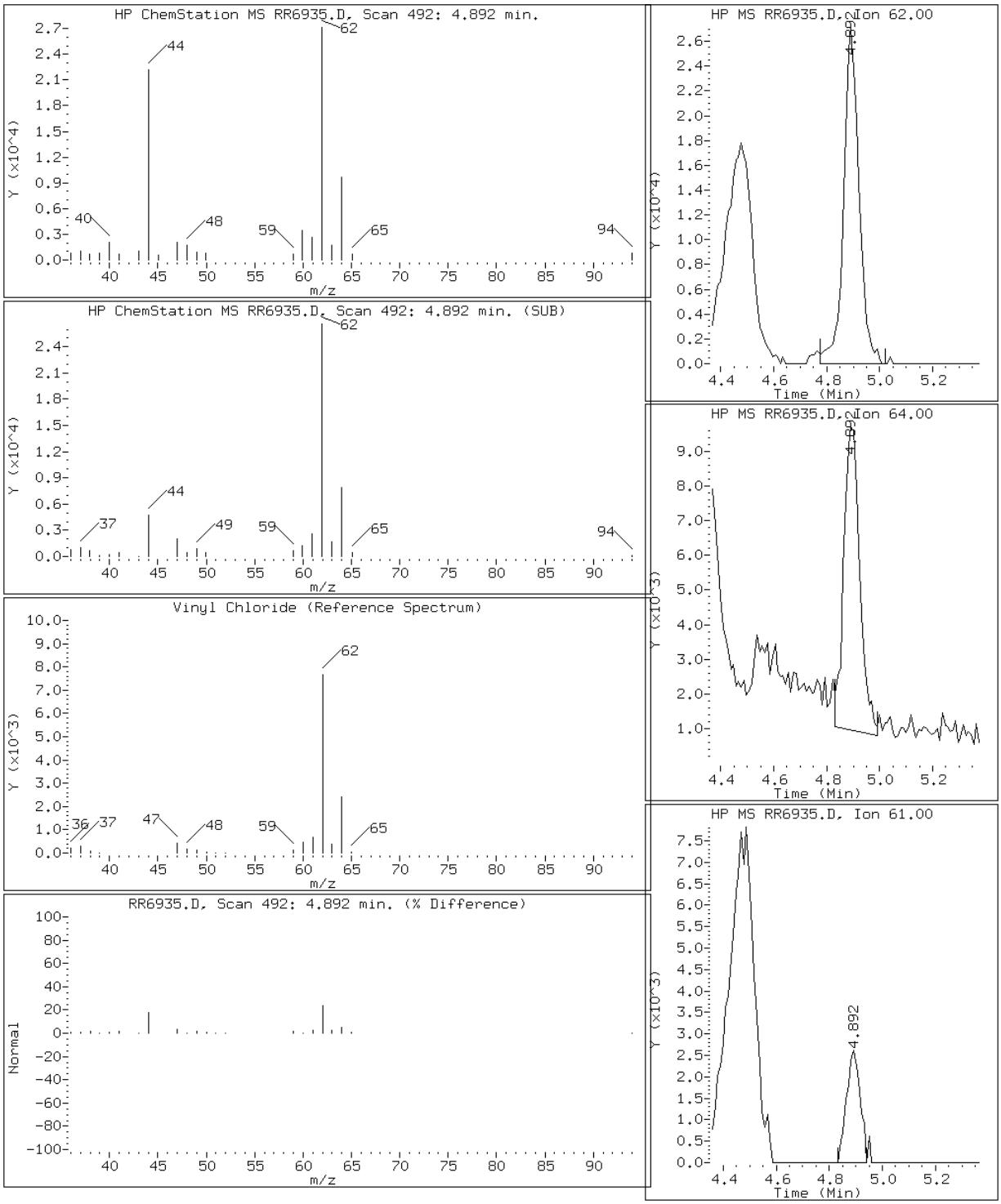
Data File: RR6935.D

Date: 03-JUL-2012 11:53

Client ID: LF6M1246QA Instrument: R2.i

Sample Info: 280-30282-g-1,,PH<2 Operator: DOBRANSKYM

10 Vinyl Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: LF6M1246QA DL | Lab Sample ID: 280-30282-1 DL

Matrix: Water | Lab File ID: RR6936.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 11:30

Sample wt/vol: 2(mL) | Date Analyzed: 07/03/2012 12:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
156-59-2	cis-1,2-Dichloroethene	380		10	2.0	1.5
79-01-6	Trichloroethene	300		10	2.0	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		70-120
460-00-4	4-Bromofluorobenzene (Surr)	95		75-120
1868-53-7	Dibromofluoromethane (Surr)	95		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6936.D
Lab Smp Id: 280-30282-G-1 Client Smp ID: LF6M1246QA
Inj Date : 03-JUL-2012 12:16
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30282-g-1,2,PH<2
Misc Info : 280-30282-G-1
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 11:44 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	2.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
*	62 Fluorobenzene	96	8.570	8.562	(1.000)	1041008	12.5000	
*	88 Chlorobenzene-d5	119	11.439	11.431	(1.000)	211972	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.053	14.044	(1.000)	292265	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.968	7.960	(0.930)	381142	10.6414	106.414
$	58 1,2-Dichloroethane-d4	65	8.294	8.285	(0.968)	234458	9.83937	98.3937
$	76 Toluene-d8	98	9.960	9.952	(0.871)	1201400	11.6240	116.240
$	99 4-Bromofluorobenzene (Surr)	95	12.751	12.743	(0.907)	323951	10.6708	106.708
M	2 1,2-Dichloroethene (total)	96				1068361	38.5083	385.083
M	3 Xylene (total)	106	Compound Not Detected.					
	7 dichlorodifluoromethane	85	Compound Not Detected.					
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	4.892	4.873	(0.571)	11254	0.42340	4.23399(a)
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	17 1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
	19 Ethyl Ether	59	Compound Not Detected.					
	20 2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	6.755	6.747	(0.788)	24507	0.81371	8.13706
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	7.594	7.585	(0.886)	1043854	37.6946	376.946
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	8.885	8.877	(1.037)	862621	29.5030	295.030
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

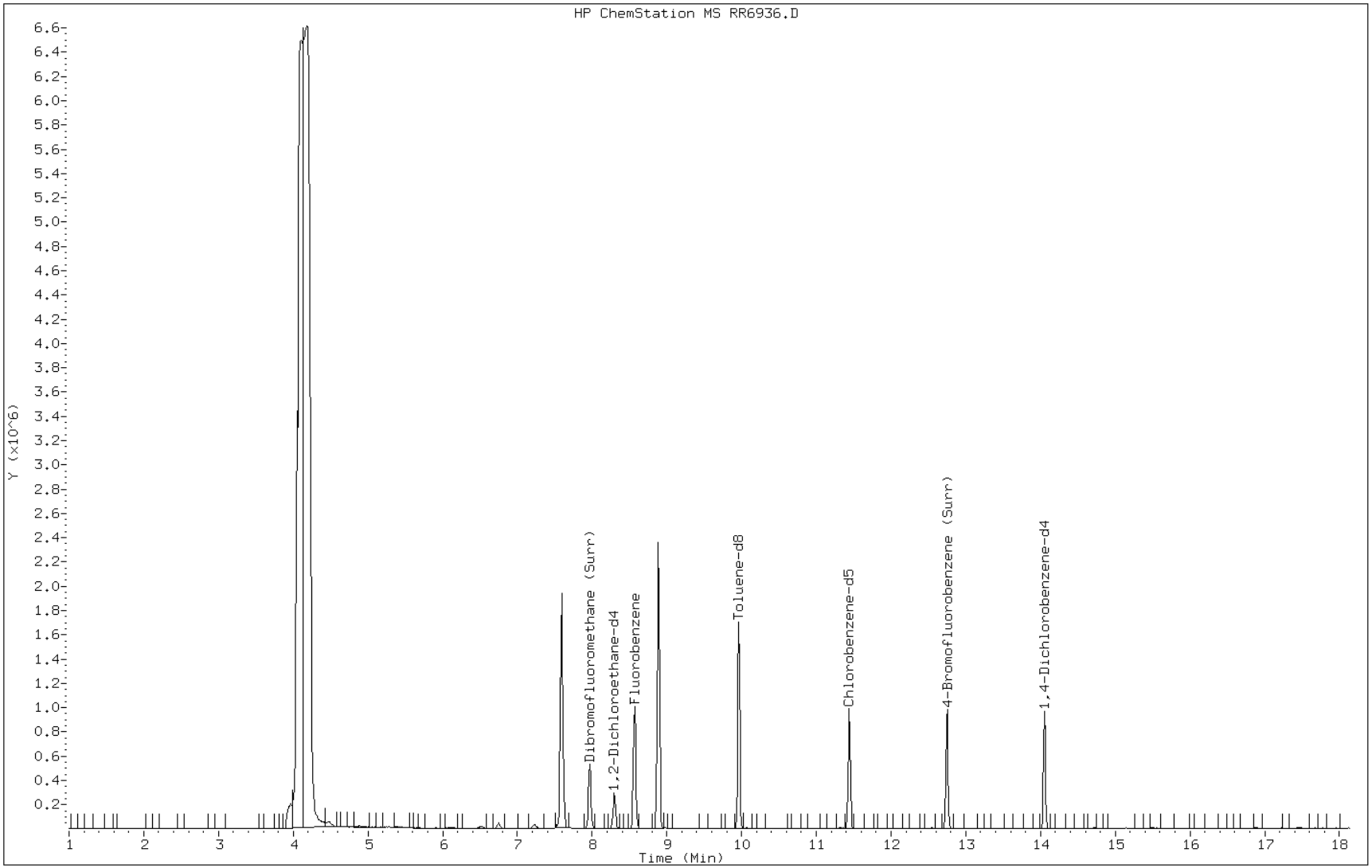
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: RR6936.D

Date: 03-JUL-2012 12:16

Client ID: LF6M1246QA Instrument: R2.i

Sample Info: 280-30282-g-1,2,PH<2 Operator: DOBRANSKYM



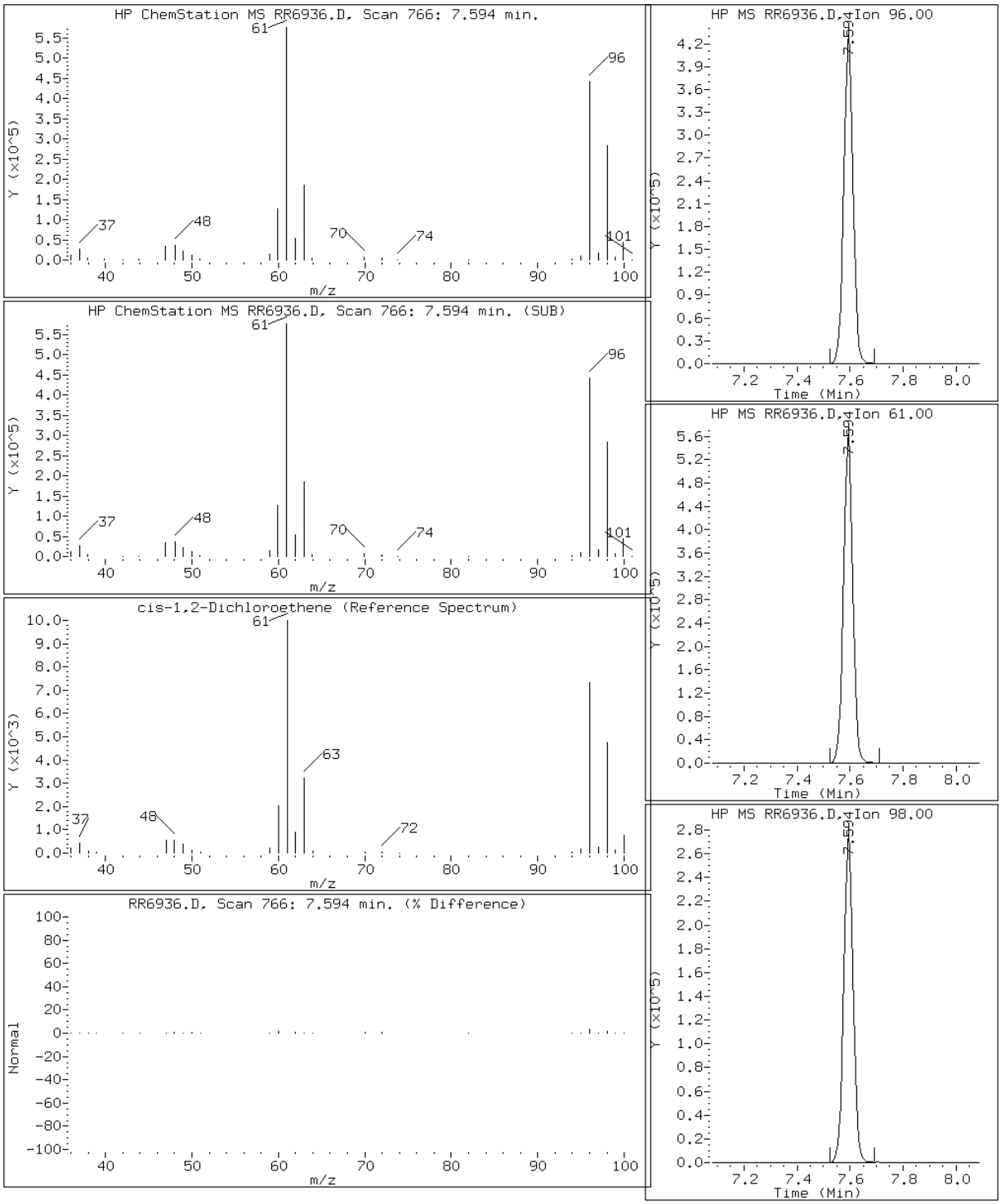
Data File: RR6936.D

Date: 03-JUL-2012 12:16

Client ID: LF6M1246QA Instrument: R2.i

Sample Info: 280-30282-g-1,2,PH<2 Operator: DOBRANSKYM

45 cis-1,2-Dichloroethene



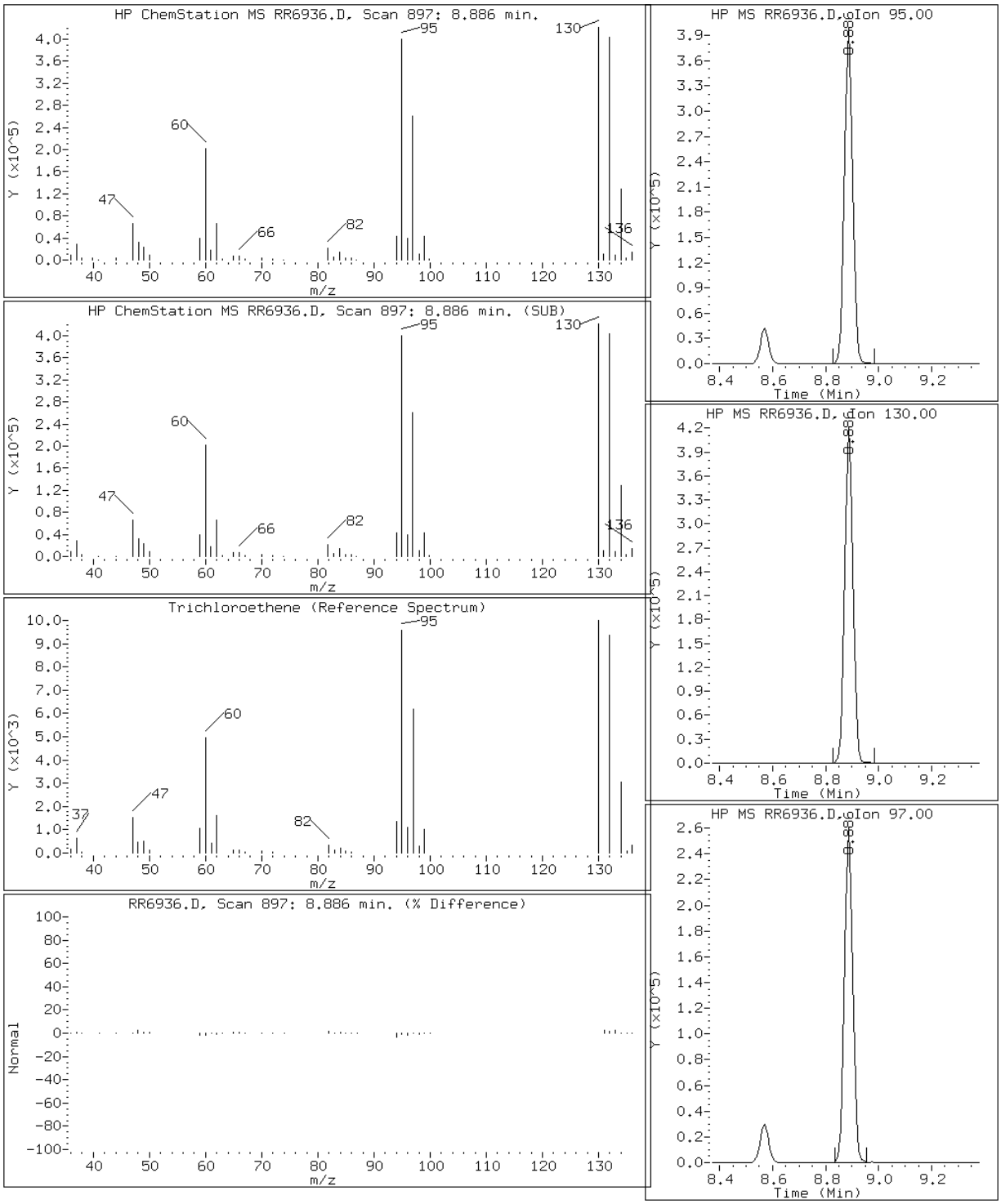
Data File: RR6936.D

Date: 03-JUL-2012 12:16

Client ID: LF6M1246QA Instrument: R2.i

Sample Info: 280-30282-g-1,2,PH<2 Operator: DOBRANSKYM

64 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: LF6VM2650QA | Lab Sample ID: 280-30282-5

Matrix: Water | Lab File ID: RR6937.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 14:36

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 12:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U Q	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U Q	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U Q	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U Q	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U Q	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U Q	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U Q	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U Q	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U Q	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U Q	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U Q	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U Q	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U Q	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U Q	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U Q	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U Q	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U Q	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U Q	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U Q	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U Q	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U Q	1.0	0.40	0.17
71-43-2	Benzene	0.20	U Q	1.0	0.20	0.16
67-64-1	Acetone	6.4	U Q	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U Q	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U Q	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U Q	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U Q	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U Q	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U Q	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U Q	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U Q	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: LF6VM2650QA | Lab Sample ID: 280-30282-5

Matrix: Water | Lab File ID: RR6937.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 14:36

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 12:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U Q	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U Q	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U Q	2.0	0.80	0.30
10061-01-5	cis-1,3-Dichloropropene	0.20	U Q	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U Q	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U Q	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U Q	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U Q	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U Q	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U Q	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U Q	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U Q	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U Q	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U Q	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U Q	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U Q	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U Q	1.0	0.40	0.19
100-42-5	Styrene	0.40	U Q	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U Q	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U Q	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.25	J	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U Q	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U Q	1.0	0.40	0.20
108-88-3	Toluene	0.40	U Q	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U Q	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U Q	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U Q	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Client Sample ID: LF6VM2650QA Lab Sample ID: 280-30282-5

Matrix: Water Lab File ID: RR6937.D

Analysis Method: 8260B/DoD Date Collected: 06/20/2012 14:36

Sample wt/vol: 20(mL) Date Analyzed: 07/03/2012 12:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126520 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	192	Q	85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	149	Q	70-120
460-00-4	4-Bromofluorobenzene (Surr)	178	Q	75-120
1868-53-7	Dibromofluoromethane (Surr)	168	Q	85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6937.D
Lab Smp Id: 280-30282-G-5 Client Smp ID: LF6VM2650QA
Inj Date : 03-JUL-2012 12:39
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30282-g-5,,PH<2
Misc Info : 280-30282-G-5
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 11:44 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC380

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	62 Fluorobenzene	96	8.574	8.562	(1.000)	628747	12.5000	
*	88 Chlorobenzene-d5	119	11.443	11.431	(1.000)	125381	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.056	14.044	(1.000)	170008	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.972	7.960	(0.930)	381810	18.8869	18.8869(R)
$	58 1,2-Dichloroethane-d4	65	8.297	8.285	(0.968)	228975	16.7697	16.7697(R)
$	76 Toluene-d8	98	9.964	9.952	(0.871)	1212936	21.5973	21.5973(R)
$	99 4-Bromofluorobenzene (Surr)	95	12.745	12.743	(0.907)	326095	20.0653	20.0653(R)
M	2 1,2-Dichloroethene (total)	96				2780067	166.194	166.194
M	3 Xylene (total)	106	Compound Not Detected.					
	7 dichlorodifluoromethane	85	Compound Not Detected.					
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	17 1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
	19 Ethyl Ether	59	Compound Not Detected.					
	20 2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	6.749	6.747	(0.787)	4511	0.24799	0.247987(a)
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	7.597	7.585	(0.886)	2775556	165.946	165.946(A)
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

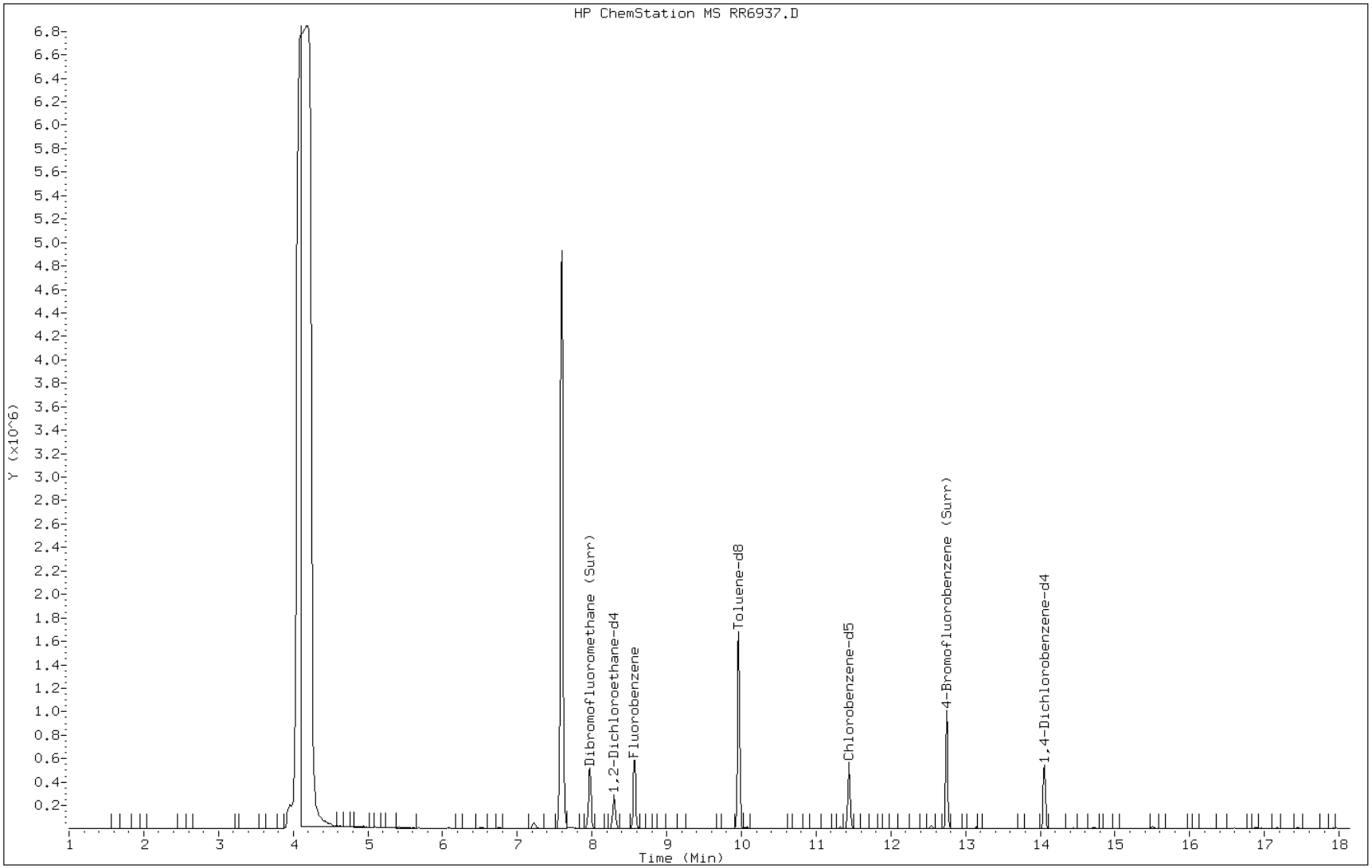
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: RR6937.D

Date: 03-JUL-2012 12:39

Client ID: LF6VM2650QA Instrument: R2.i

Sample Info: 280-30282-g-5,,PH<2 Operator: DOBRANSKYM



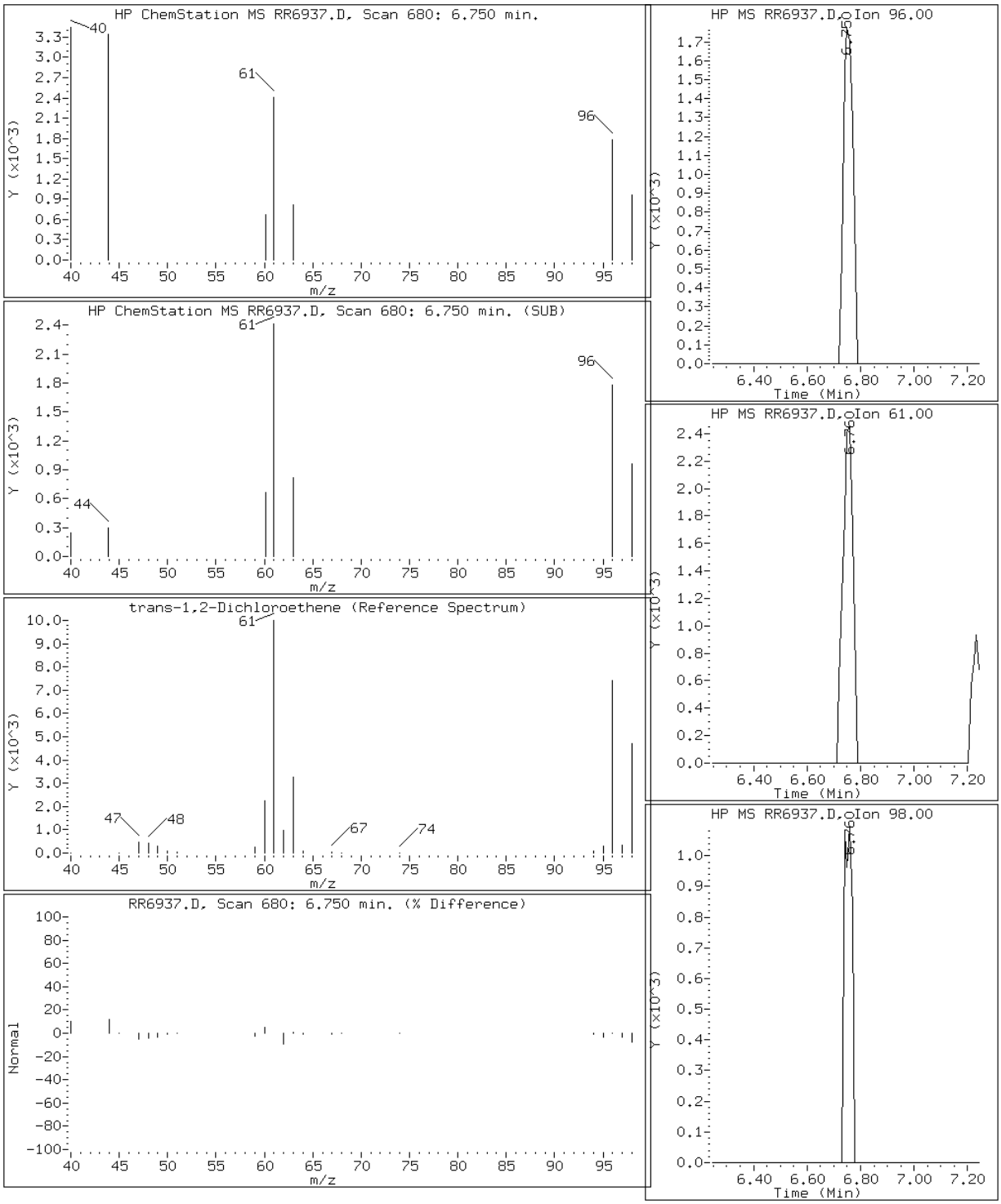
Data File: RR6937.D

Date: 03-JUL-2012 12:39

Client ID: LF6VM2650QA Instrument: R2.i

Sample Info: 280-30282-g-5,,PH<2 Operator: DOBRANSKYM

35 trans-1,2-Dichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: LF6VM2650QA DL | Lab Sample ID: 280-30282-5 DL

Matrix: Water | Lab File ID: RR6938.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 14:36

Sample wt/vol: 5(mL) | Date Analyzed: 07/03/2012 13:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
156-59-2	cis-1,2-Dichloroethene	100		4.0	0.80	0.60

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	112		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		70-120
460-00-4	4-Bromofluorobenzene (Surr)	102		75-120
1868-53-7	Dibromofluoromethane (Surr)	97		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6938.D
Lab Smp Id: 280-30282-G-5 Client Smp ID: LF6VM2650QA
Inj Date : 03-JUL-2012 13:02
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30282-g-5,5,PH<2
Misc Info : 280-30282-G-5
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 11:44 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC380

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
*	62 Fluorobenzene	96	8.566	8.562	(1.000)	987855	12.5000	
*	88 Chlorobenzene-d5	119	11.445	11.431	(1.000)	192807	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.059	14.044	(1.000)	270743	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.974	7.960	(0.931)	369927	10.9268	43.7072
$	58 1,2-Dichloroethane-d4	65	8.300	8.285	(0.969)	227624	10.0987	40.3950
$	76 Toluene-d8	98	9.966	9.952	(0.871)	1166541	12.5764	50.3054
$	99 4-Bromofluorobenzene (Surr)	95	12.747	12.743	(0.907)	318307	11.4512	45.8048
M	2 1,2-Dichloroethene (total)	96				676670	25.6813	102.725
M	3 Xylene (total)	106	Compound Not Detected.					
	7 dichlorodifluoromethane	85	Compound Not Detected.					
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	17 1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
	19 Ethyl Ether	59	Compound Not Detected.					
	20 2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	6.761	6.747	(0.789)	22412	0.78419	3.13674
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	7.600	7.585	(0.887)	654258	24.8971	99.5885
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

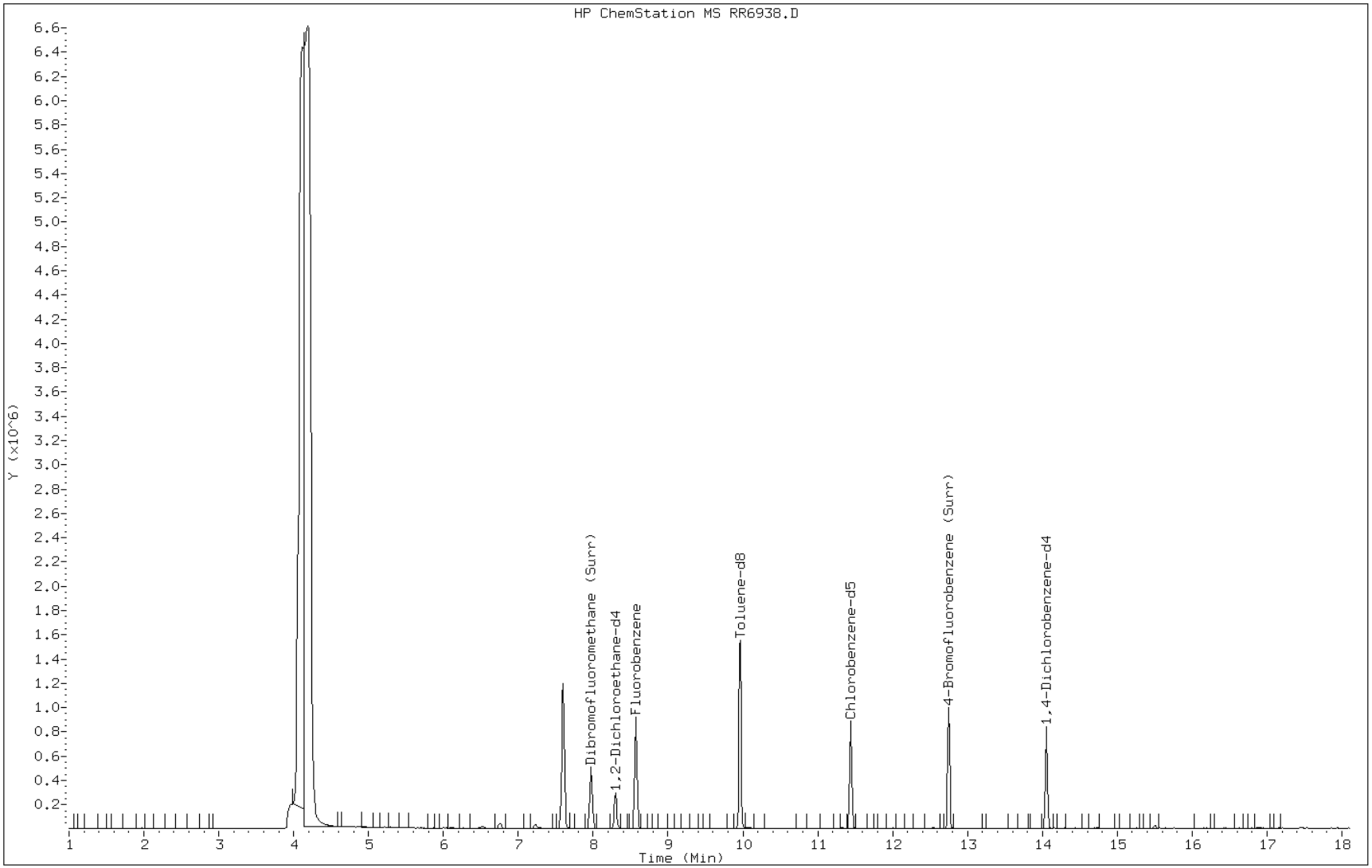
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR6938.D

Date: 03-JUL-2012 13:02

Client ID: LF6VM2650QA Instrument: R2.i

Sample Info: 280-30282-g-5,5,PH<2 Operator: DOBRANSKYM



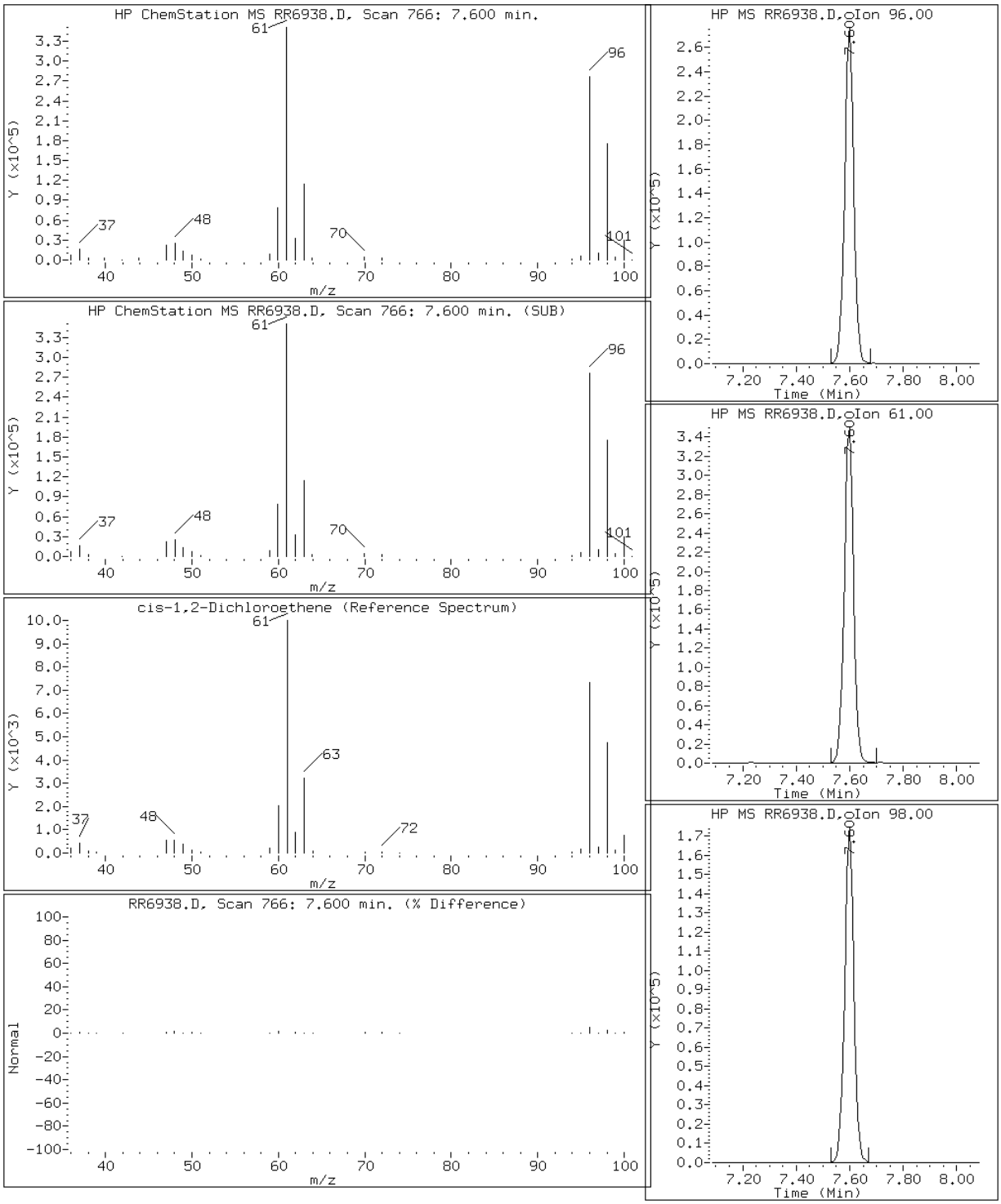
Data File: RR6938.D

Date: 03-JUL-2012 13:02

Client ID: LF6VM2650QA Instrument: R2.i

Sample Info: 280-30282-g-5,5,PH<2 Operator: DOBRANSKYM

45 cis-1,2-Dichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: LF6VM2650QC | Lab Sample ID: 280-30282-6

Matrix: Water | Lab File ID: RR6871.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 14:36

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 11:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: LF6VM2650QC | Lab Sample ID: 280-30282-6

Matrix: Water | Lab File ID: RR6871.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 14:36

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 11:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Client Sample ID: LF6VM2650QC Lab Sample ID: 280-30282-6

Matrix: Water Lab File ID: RR6871.D

Analysis Method: 8260B/DoD Date Collected: 06/20/2012 14:36

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 11:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	107		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		70-120
460-00-4	4-Bromofluorobenzene (Surr)	98		75-120
1868-53-7	Dibromofluoromethane (Surr)	91		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6871.D
Lab Smp Id: 280-30282-F-6 Client Smp ID: LF6VM2650QC
Inj Date : 02-JUL-2012 11:57
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30282-f-6,,PH<2
Misc Info : 280-30282-F-6
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	62 Fluorobenzene	96	8.566	8.566	(1.000)	1134427	12.5000	
*	88 Chlorobenzene-d5	119	11.436	11.435	(1.000)	223278	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.049	14.049	(1.000)	311945	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.965	7.964	(0.930)	401258	10.2167	10.2167
$	58 1,2-Dichloroethane-d4	65	8.290	8.290	(0.968)	244285	9.34640	9.34640
$	76 Toluene-d8	98	9.957	9.956	(0.871)	1300859	12.0184	12.0184
$	99 4-Bromofluorobenzene (Surr)	95	12.747	12.737	(0.907)	356407	11.0666	11.0666
M	2 1,2-Dichloroethene (total)	96				3219005	106.669	106.669
M	3 Xylene (total)	106	Compound Not Detected.					
	7 dichlorodifluoromethane	85	Compound Not Detected.					
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	17 1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
	19 Ethyl Ether	59	Compound Not Detected.					
	20 2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	7.590	7.588	(0.886)	3219005	106.669	106.669(A)
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

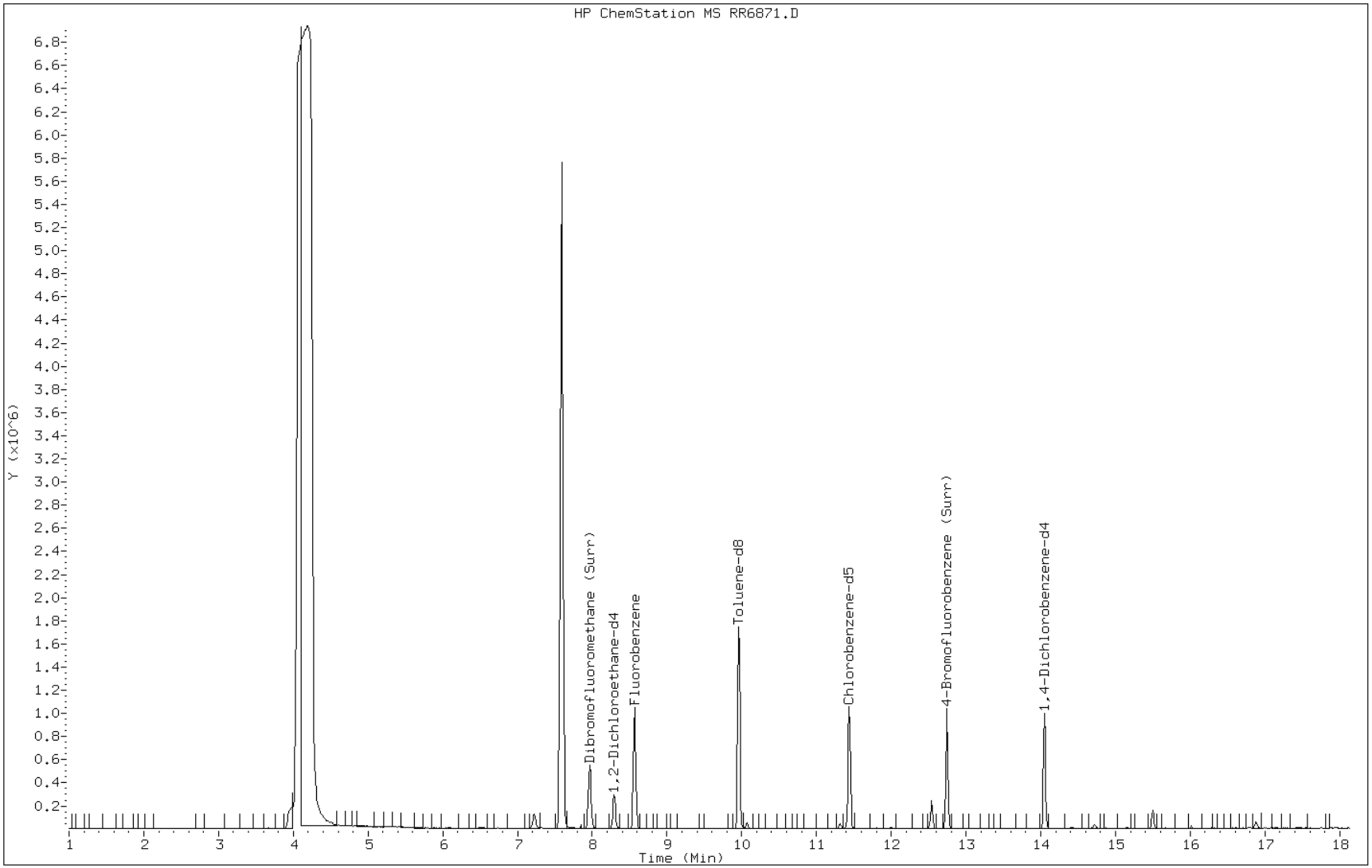
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: RR6871.D

Date: 02-JUL-2012 11:57

Client ID: LF6VM2650QC Instrument: R2.i

Sample Info: 280-30282-f-6,,PH<2 Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: LF6VM2650QC DL | Lab Sample ID: 280-30282-6 DL

Matrix: Water | Lab File ID: RR6929.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 14:36

Sample wt/vol: 5(mL) | Date Analyzed: 07/03/2012 09:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
156-59-2	cis-1,2-Dichloroethene	89		4.0	0.80	0.60

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		70-120
460-00-4	4-Bromofluorobenzene (Surr)	91		75-120
1868-53-7	Dibromofluoromethane (Surr)	90		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6929.D
Lab Smp Id: 280-30282-G-6 Client Smp ID: LF6VM2650QC
Inj Date : 03-JUL-2012 09:37
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30282-g-6,5,PH<2
Misc Info : 280-30282-G-6
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 08:09 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
*	62 Fluorobenzene	96	8.563	8.562	(1.000)	1134883	12.5000	
*	88 Chlorobenzene-d5	119	11.433	11.431	(1.000)	229020	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.046	14.044	(1.000)	305734	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.972	7.960	(0.931)	399324	10.1536	40.6144
$	58 1,2-Dichloroethane-d4	65	8.297	8.285	(0.969)	240251	9.16480	36.6592
$	76 Toluene-d8	98	9.964	9.952	(0.871)	1264302	11.2574	45.0297
$	99 4-Bromofluorobenzene (Surr)	95	12.745	12.743	(0.907)	326561	10.2033	40.8131
M	2 1,2-Dichloroethene (total)	96				669566	22.1787	88.7148
M	3 Xylene (total)	106	Compound Not Detected.					
	7 dichlorodifluoromethane	85	Compound Not Detected.					
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	17 1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
	19 Ethyl Ether	59	Compound Not Detected.					
	20 2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	7.597	7.585	(0.887)	669566	22.1787	88.7148
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

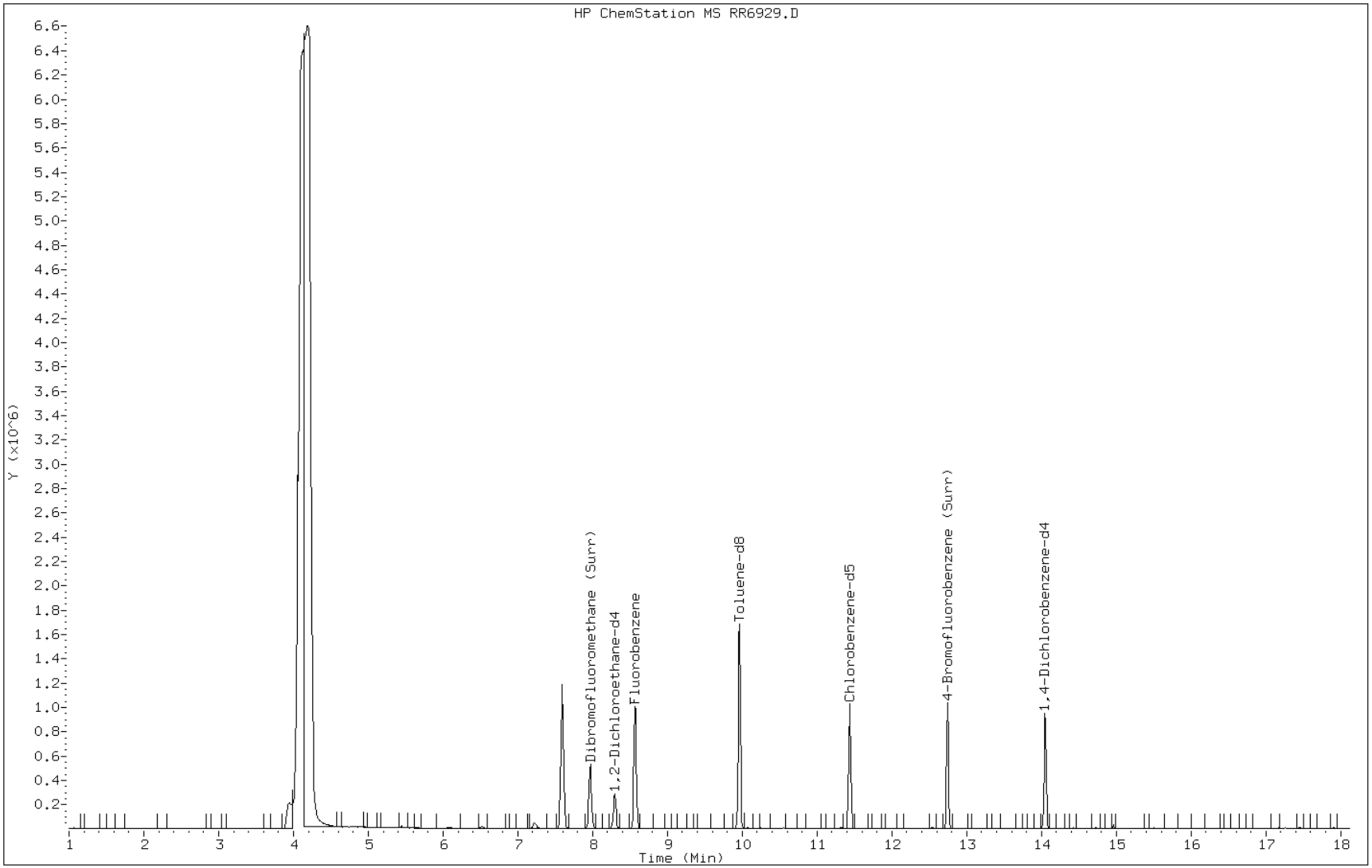
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR6929.D

Date: 03-JUL-2012 09:37

Client ID: LF6VM2650QC Instrument: R2.i

Sample Info: 280-30282-g-6,5,PH<2 Operator: DOBRANSKYM



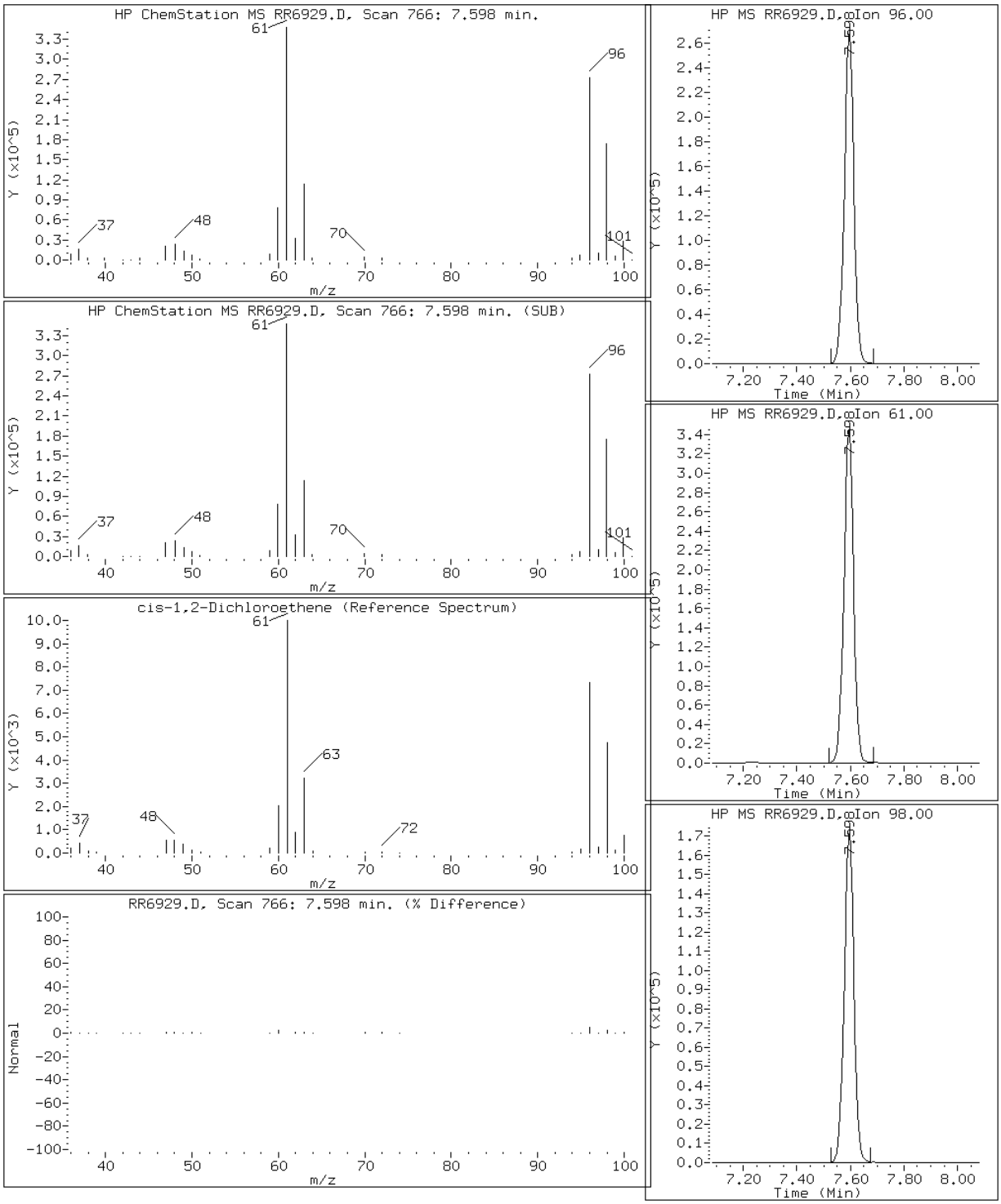
Data File: RR6929.D

Date: 03-JUL-2012 09:37

Client ID: LF6VM2650QC Instrument: R2.i

Sample Info: 280-30282-g-6,5,PH<2 Operator: DOBRANSKYM

45 cis-1,2-Dichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: LF6SW0301QA | Lab Sample ID: 280-30282-8

Matrix: Water | Lab File ID: RR6872.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 15:46

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 12:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: LF6SW0301QA | Lab Sample ID: 280-30282-8

Matrix: Water | Lab File ID: RR6872.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 15:46

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 12:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Client Sample ID: LF6SW0301QA Lab Sample ID: 280-30282-8

Matrix: Water Lab File ID: RR6872.D

Analysis Method: 8260B/DoD Date Collected: 06/20/2012 15:46

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 12:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	109		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		70-120
460-00-4	4-Bromofluorobenzene (Surr)	97		75-120
1868-53-7	Dibromofluoromethane (Surr)	92		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6872.D
Lab Smp Id: 280-30282-G-8 Client Smp ID: LF6SW0301QA
Inj Date : 02-JUL-2012 12:20
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30282-g-8,,PH<2
Misc Info : 280-30282-G-8
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.570	8.566	(1.000)	1102488	12.5000	
* 88	Chlorobenzene-d5	119	11.440	11.435	(1.000)	209746	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.053	14.049	(1.000)	292007	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.968	7.964	(0.930)	395304	10.3825	10.3824
$ 58	1,2-Dichloroethane-d4	65	8.294	8.290	(0.968)	240761	9.49811	9.49811
$ 76	Toluene-d8	98	9.960	9.956	(0.871)	1245158	12.2931	12.2931
$ 99	4-Bromofluorobenzene (Surr)	95	12.741	12.737	(0.907)	331123	10.9671	10.9671
M 2	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 3	Xylene (total)	106	Compound Not Detected.					
7	dichlorodifluoromethane	85	Compound Not Detected.					
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
17	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
19	Ethyl Ether	59	Compound Not Detected.					
20	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

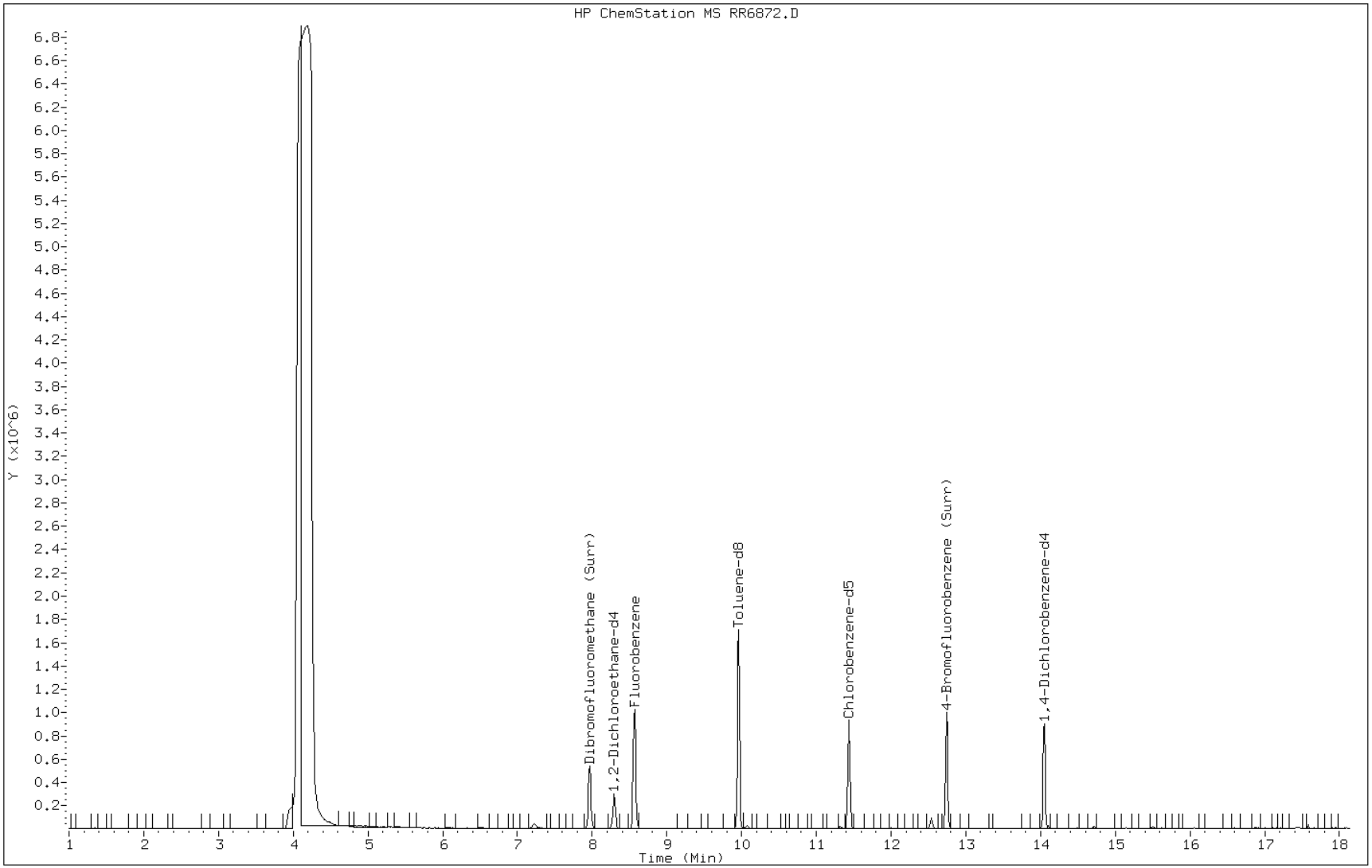
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR6872.D

Date: 02-JUL-2012 12:20

Client ID: LF6SW0301QA Instrument: R2.i

Sample Info: 280-30282-g-8,,PH<2 Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: 062012QE | Lab Sample ID: 280-30282-9

Matrix: Water | Lab File ID: RR6873.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 16:15

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 12:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	8.0	J	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: 062012QE | Lab Sample ID: 280-30282-9

Matrix: Water | Lab File ID: RR6873.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 16:15

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 12:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Client Sample ID: 062012QE Lab Sample ID: 280-30282-9

Matrix: Water Lab File ID: RR6873.D

Analysis Method: 8260B/DoD Date Collected: 06/20/2012 16:15

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 12:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		70-120
460-00-4	4-Bromofluorobenzene (Surr)	96		75-120
1868-53-7	Dibromofluoromethane (Surr)	90		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6873.D
Lab Smp Id: 280-30282-F-9 Client Smp ID: 062012QE
Inj Date : 02-JUL-2012 12:43
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30282-f-9,,PH<2
Misc Info : 280-30282-F-9
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.571	8.566	(1.000)	1066422	12.5000	
* 88	Chlorobenzene-d5	119	11.441	11.435	(1.000)	213300	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.054	14.049	(1.000)	287473	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.970	7.964	(0.930)	373928	10.1117	10.1117
$ 58	1,2-Dichloroethane-d4	65	8.295	8.290	(0.968)	225192	9.13833	9.13833
$ 76	Toluene-d8	98	9.962	9.956	(0.871)	1189111	11.3927	11.3927
$ 99	4-Bromofluorobenzene (Surr)	95	12.742	12.737	(0.907)	322845	10.8405	10.8405
M 2	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 3	Xylene (total)	106	Compound Not Detected.					
7	dichlorodifluoromethane	85	Compound Not Detected.					
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
17	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
19	Ethyl Ether	59	Compound Not Detected.					
20	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	6.096	6.089	(0.711)	26959	7.95695	7.95695(a)
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

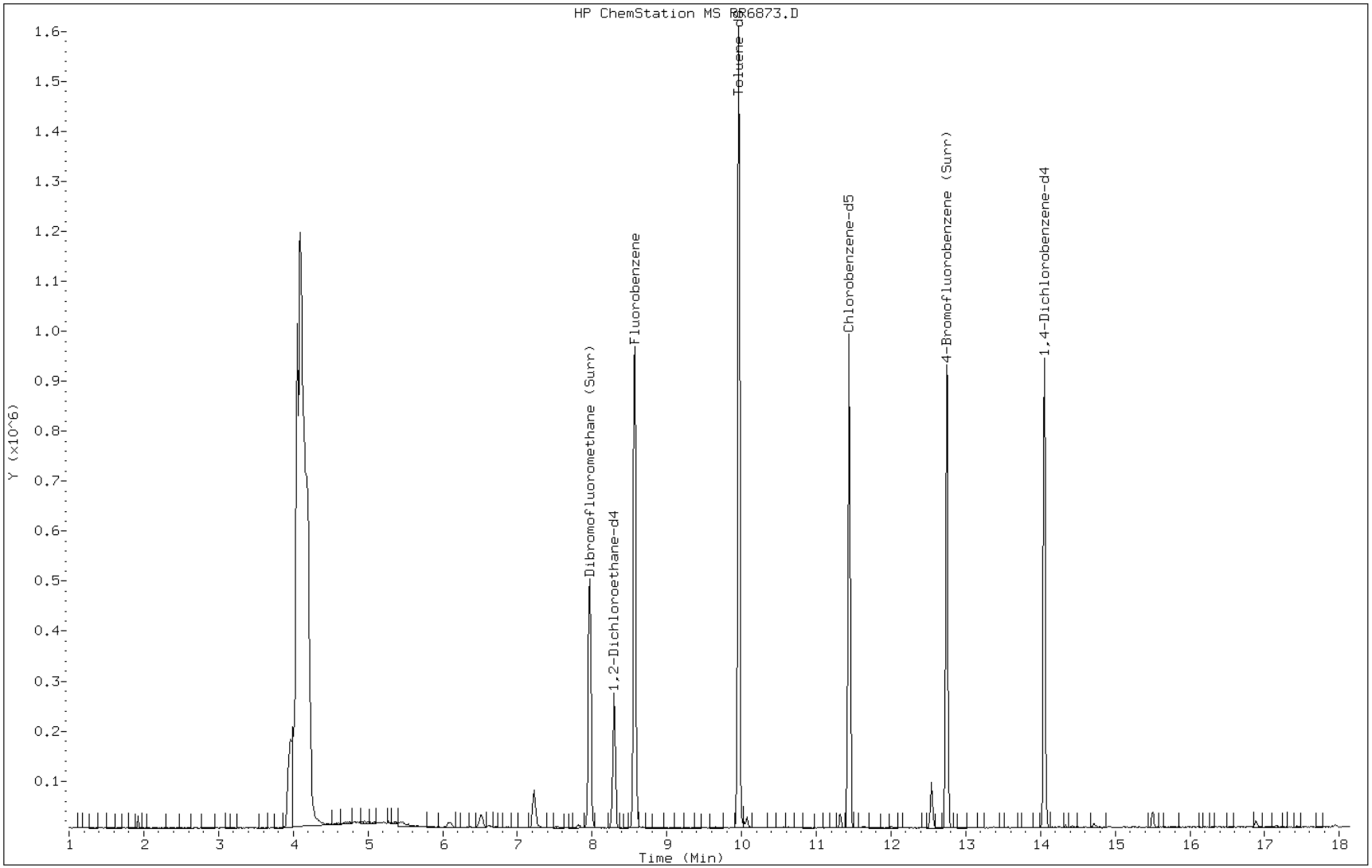
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: RR6873.D

Date: 02-JUL-2012 12:43

Client ID: 062012QE Instrument: R2.i

Sample Info: 280-30282-f-9,,PH<2 Operator: DOBRANSKYM



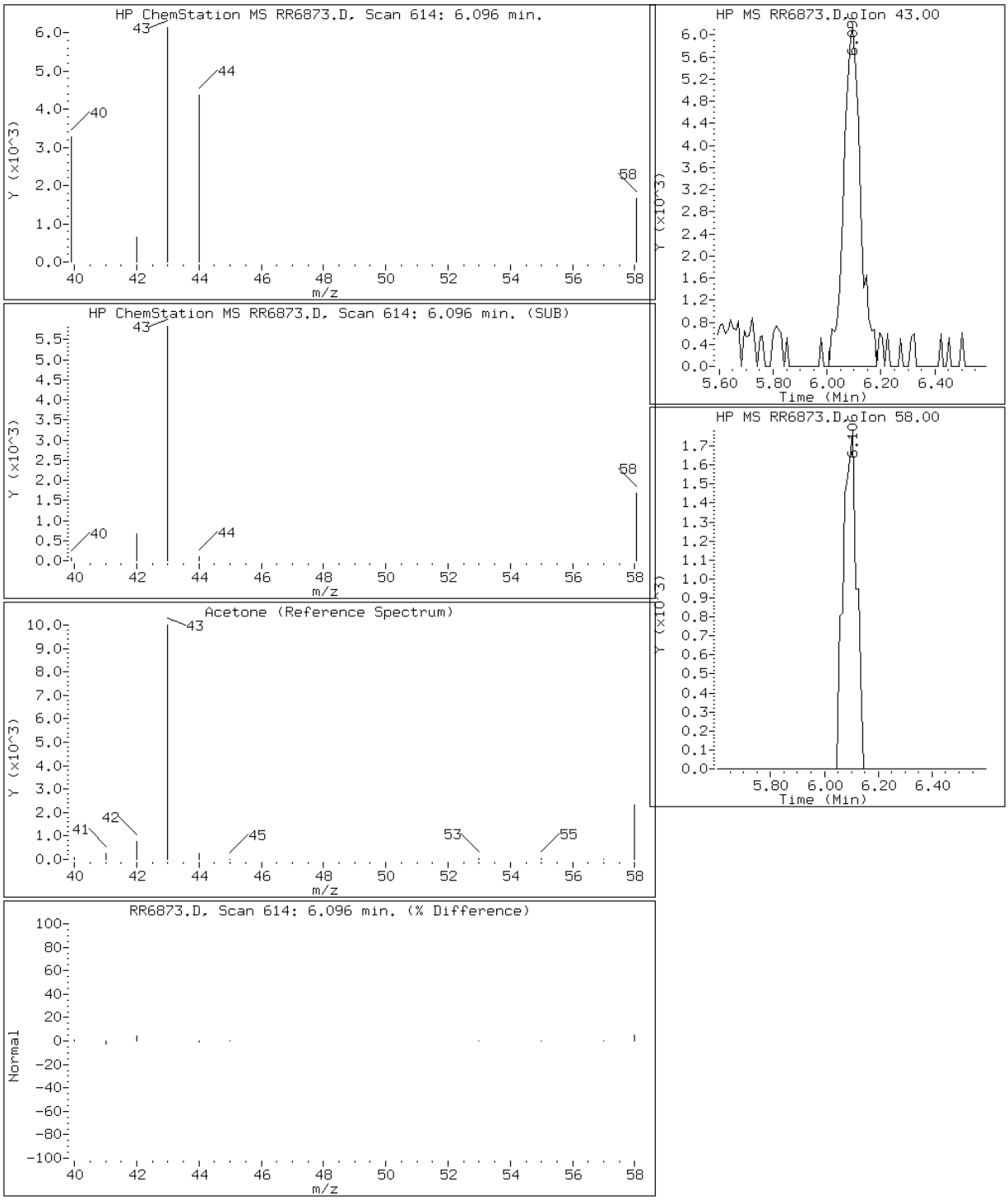
Data File: RR6873.D

Date: 02-JUL-2012 12:43

Client ID: 062012QE Instrument: R2.i

Sample Info: 280-30282-f-9,,PH<2 Operator: DOBRANSKYM

24 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: 062012QF | Lab Sample ID: 280-30282-10

Matrix: Water | Lab File ID: RR6874.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 16:01

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 13:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: 062012QF | Lab Sample ID: 280-30282-10

Matrix: Water | Lab File ID: RR6874.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 16:01

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 13:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	1.5	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Client Sample ID: 062012QF Lab Sample ID: 280-30282-10

Matrix: Water Lab File ID: RR6874.D

Analysis Method: 8260B/DoD Date Collected: 06/20/2012 16:01

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 13:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	111		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		70-120
460-00-4	4-Bromofluorobenzene (Surr)	107		75-120
1868-53-7	Dibromofluoromethane (Surr)	96		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6874.D
Lab Smp Id: 280-30282-A-10 Client Smp ID: 062012QF
Inj Date : 02-JUL-2012 13:06
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30282-a-10,,PH<2
Misc Info : 280-30282-A-10
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	62 Fluorobenzene	96	8.571	8.566	(1.000)	1039212	12.5000	
*	88 Chlorobenzene-d5	119	11.441	11.435	(1.000)	205074	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.054	14.049	(1.000)	269633	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.969	7.964	(0.930)	386054	10.8246	10.8246
$	58 1,2-Dichloroethane-d4	65	8.295	8.290	(0.968)	233233	9.79999	9.79999
$	76 Toluene-d8	98	9.961	9.956	(0.871)	1233006	12.4822	12.4822
$	99 4-Bromofluorobenzene (Surr)	95	12.742	12.737	(0.907)	330126	12.0159	12.0159
M	2 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	3 Xylene (total)	106	Compound Not Detected.					
	7 dichlorodifluoromethane	85	Compound Not Detected.					
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	17 1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
	19 Ethyl Ether	59	Compound Not Detected.					
	20 2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	6.520	6.513	(0.761)	48902	1.51084	1.51084
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

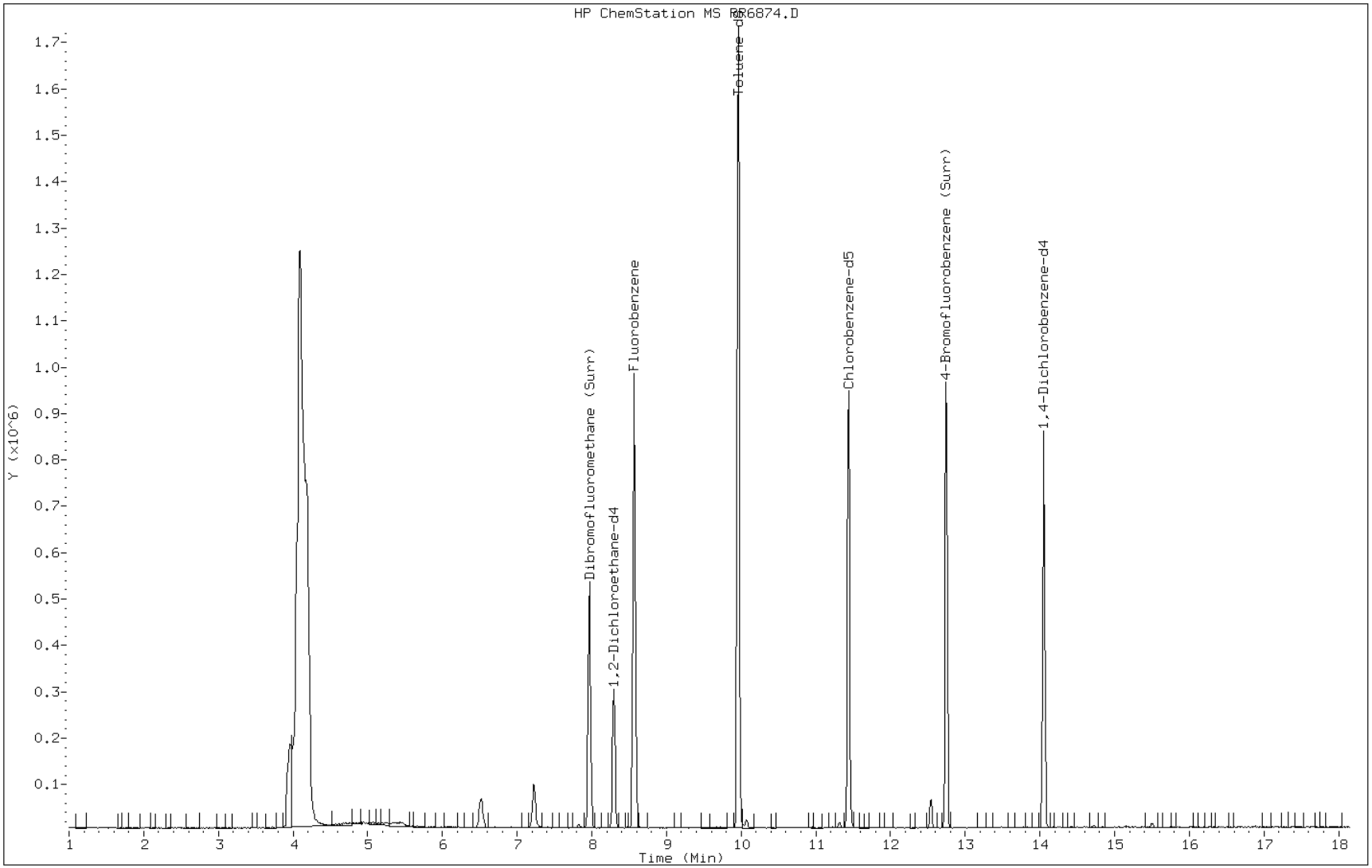
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR6874.D

Date: 02-JUL-2012 13:06

Client ID: 062012QF Instrument: R2.i

Sample Info: 280-30282-a-10,,PH<2 Operator: DOBRANSKYM



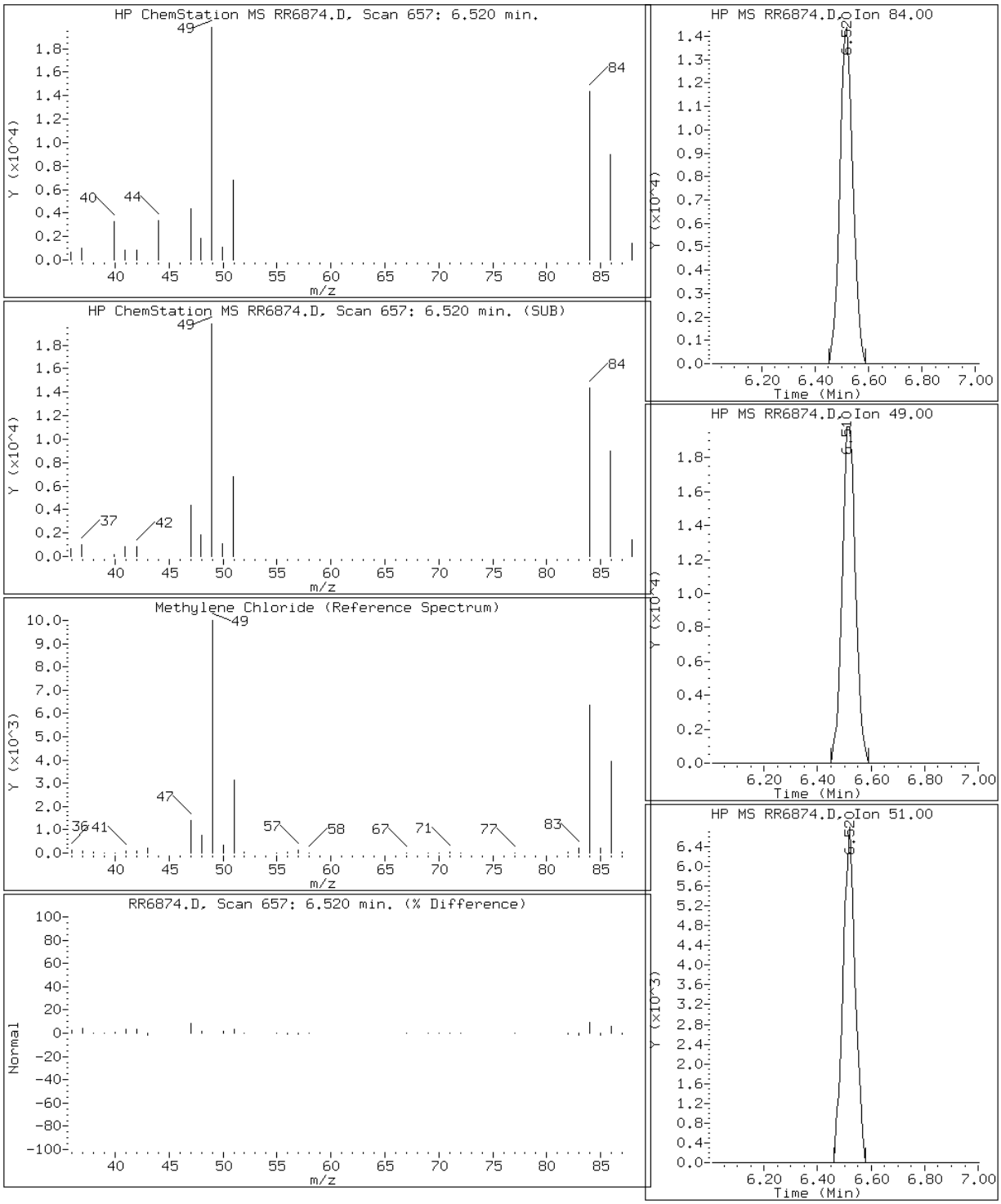
Data File: RR6874.D

Date: 02-JUL-2012 13:06

Client ID: 062012QF Instrument: R2.i

Sample Info: 280-30282-a-10,,PH<2 Operator: DOBRANSKYM

32 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: 062012QR | Lab Sample ID: 280-30282-11

Matrix: Water | Lab File ID: RR6875.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 09:15

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 13:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: 062012QR | Lab Sample ID: 280-30282-11

Matrix: Water | Lab File ID: RR6875.D

Analysis Method: 8260B/DoD | Date Collected: 06/20/2012 09:15

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 13:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Client Sample ID: 062012QR Lab Sample ID: 280-30282-11

Matrix: Water Lab File ID: RR6875.D

Analysis Method: 8260B/DoD Date Collected: 06/20/2012 09:15

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 13:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		70-120
460-00-4	4-Bromofluorobenzene (Surr)	96		75-120
1868-53-7	Dibromofluoromethane (Surr)	87		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6875.D
Lab Smp Id: 280-30282-A-11 Client Smp ID: 062012QR
Inj Date : 02-JUL-2012 13:29
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30282-a-11,,PH<2
Misc Info : 280-30282-A-11
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
*	62 Fluorobenzene	96	8.571	8.566	(1.000)	1101143	12.5000	
*	88 Chlorobenzene-d5	119	11.441	11.435	(1.000)	218631	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.054	14.049	(1.000)	295293	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.970	7.964	(0.930)	376073	9.80021	9.80021
$	58 1,2-Dichloroethane-d4	65	8.295	8.290	(0.968)	232147	9.12126	9.12126
$	76 Toluene-d8	98	9.962	9.956	(0.871)	1222736	11.4372	11.4372
$	99 4-Bromofluorobenzene (Surr)	95	12.743	12.737	(0.907)	330562	10.7987	10.7987
M	2 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	3 Xylene (total)	106	Compound Not Detected.					
	7 dichlorodifluoromethane	85	Compound Not Detected.					
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	17 1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
	19 Ethyl Ether	59	Compound Not Detected.					
	20 2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

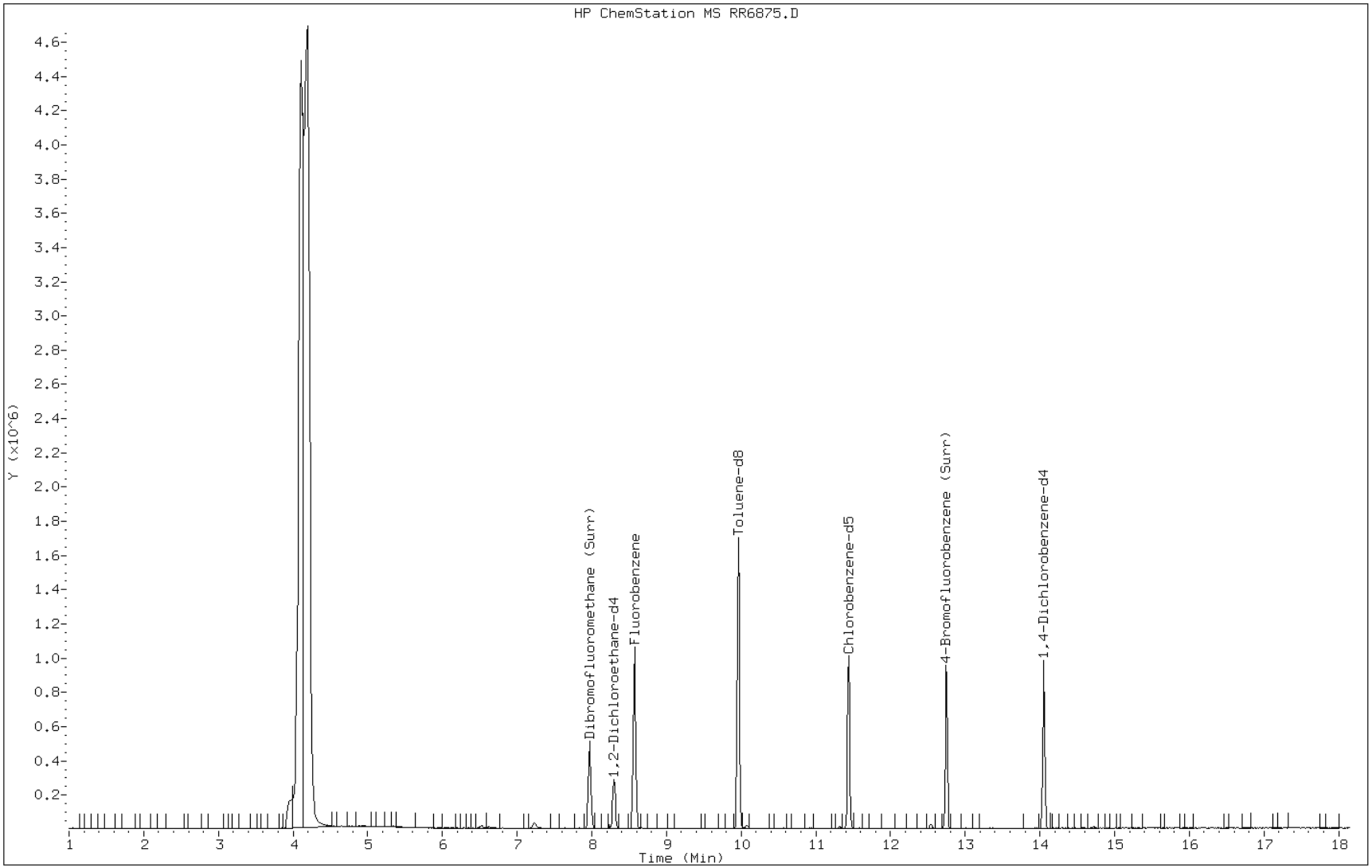
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR6875.D

Date: 02-JUL-2012 13:29

Client ID: 062012QR Instrument: R2.i

Sample Info: 280-30282-a-11,,PH<2 Operator: DOBRANSKYM



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30282-1 Analy Batch No.: 124040

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2012 07:32 Calibration End Date: 06/14/2012 09:23 Calibration ID: 9710

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-124040/3	RR6354.D
Level 2	IC 280-124040/4	RR6355.D
Level 3	IC 280-124040/5	RR6356.D
Level 4	ICIS 280-124040/6	RR6357.D
Level 5	IC 280-124040/7	RR6358.D
Level 6	IC 280-124040/8	RR6359.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorofluoromethane	0.6923 0.7075	0.6806	0.8073	0.7340	0.6916	Ave		0.7189				6.6		15.0			
Ethyl ether	0.1126 0.1254	0.1153	0.1356	0.1183	0.1183	Ave		0.1209				6.9		15.0			
Isopropyl alcohol	0.0047 0.0047	0.0045	0.0053	0.0047	0.0045	Ave		0.0047				5.7		15.0			
2,2-Dichloro-1,1,1-trifluoroethane	0.5296 0.5319	0.5482	0.6026	0.5570	0.5313	Ave		0.5501				5.1		15.0			
Propene oxide	0.0160 0.0193	0.0171	0.0195	0.0188	0.0176	Ave		0.0181				7.6		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2878 0.2866	0.2808	0.3211	0.2932	0.2824	Ave		0.2920				5.1		15.0			
Methyl acetate	0.0598 0.0611	0.0597	0.0663	0.0603	0.0570	Ave		0.0607				5.0		15.0			
Allyl chloride	0.4631 0.4648	0.4655	0.5335	0.4922	0.4653	Ave		0.4807				5.8		15.0			
Carbon disulfide	1.2780 1.3338	1.2982	1.5128	1.3917	1.3211	Ave		1.3559				6.3		15.0			
Tetrahydrofuran	+++++ 0.0211	0.0200	0.0229	0.0209	0.0192	Ave		0.0208				6.8		15.0			
Methyl tert-butyl ether	0.3007 0.3712	0.3033	0.3618	0.3446	0.3382	Ave		0.3366				8.7		15.0			
Hexane	+++++ 2.0708	2.2896	2.6803	2.4758	2.1636	Ave		2.3360				10.5		15.0			
Vinyl acetate	0.2313 0.2606	0.2312	0.2692	0.2527	0.2422	Ave		0.2479				6.3		15.0			
Tert-butyl ethyl ether	0.5008 0.6249	0.5250	0.6088	0.5800	0.5699	Ave		0.5682				8.4		15.0			
Ethyl acetate	0.1016 0.0982	0.1022	0.0928	0.0805	0.0911	Ave		0.0944				8.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30282-1 Analy Batch No.: 124040

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2012 07:32 Calibration End Date: 06/14/2012 09:23 Calibration ID: 9710

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Butanol	0.0046 0.0057	0.0047	0.0057	0.0055	0.0051	Ave		0.0052				9.1		15.0			
Cyclohexane	0.5462 0.5401	0.5392	0.6042	0.5597	0.5551	Ave		0.5574				4.4		15.0			
Tert-amyl methyl ether	0.3495 0.4615	0.3681	0.4316	0.4108	0.4108	Ave		0.4054				10.1		15.0			
2-Pentanone	0.0695 0.0614	0.0713	0.0602	0.0566	0.0620	Ave		0.0635				8.9		15.0			
Methyl methacrylate	0.0171 0.0255	0.0207	0.0222	0.0207	0.0223	Ave		0.0214				12.7		15.0			
Methylcyclohexane	0.4742 0.4680	0.4821	0.5372	0.4900	0.4816	Ave		0.4888				5.1		15.0			
2-Chloroethyl vinyl ether	0.0519 0.0716	0.0529	0.0556	0.0561	0.0615	Ave		0.0583				12.6		15.0			
2-Nitropropane	+++++ 0.0250	0.0194	0.0229	0.0209	0.0217	Ave		0.0220				9.5		15.0			
Ethyl methacrylate	0.5277 0.6831	0.5483	0.6467	0.6415	0.6492	Ave		0.6161				10.2		15.0			
cis-1,4-Dichloro-2-butene	+++++ 0.1221	0.0970	0.1118	0.1119	0.1119	Ave		0.1110				8.1		15.0			
trans-1,4-Dichloro-2-butene	0.0631 0.1056	0.0756	0.1039	0.0991	0.0968	Lin1	0.0335	0.1041							0.9981		0.9900
Dibromofluoromethane (Surr)	+++++ 0.3860	0.7017	0.5226	0.4420	0.3795	Lin2	-0.150	0.3655							0.9972		0.9900
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2691	0.4452	0.3454	0.2892	0.2478	Lin	-0.111	0.2506							0.9932		
Toluene-d8 (Surr)	+++++ 5.3025	10.718	7.8350	6.7100	5.5649	Lin1	-0.199	5.0212							0.9962		0.9900
4-Bromofluorobenzene (Surr)	+++++ 1.1156	2.2349	1.6138	1.3091	1.1912	Lin2	-0.175	1.0774							0.9978		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30282-1 Analy Batch No.: 124040

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2012 07:32 Calibration End Date: 06/14/2012 09:23 Calibration ID: 9710

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-124040/3	RR6354.D
Level 2	IC 280-124040/4	RR6355.D
Level 3	IC 280-124040/5	RR6356.D
Level 4	ICIS 280-124040/6	RR6357.D
Level 5	IC 280-124040/7	RR6358.D
Level 6	IC 280-124040/8	RR6359.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorofluoromethane	FB	Ave	65385 3377999	116677	323170	573495	1731366	1.00 60.0	2.00	5.00	10.0	30.0
Ethyl ether	FB	Ave	10632 598821	19767	54260	92394	296094	1.00 60.0	2.00	5.00	10.0	30.0
Isopropyl alcohol	FB	Ave	8885 450596	15451	42061	74213	226935	20.0 1200	40.0	100	200	600
2,2-Dichloro-1,1,1-trifluoroethane	FB	Ave	50021 2539571	93968	241209	435152	1330004	1.00 60.0	2.00	5.00	10.0	30.0
Propene oxide	FB	Ave	75755 4608379	146404	391005	735644	2209218	50.0 3000	100	250	500	1500
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	27185 1368632	48127	128518	229085	706955	1.00 60.0	2.00	5.00	10.0	30.0
Methyl acetate	FB	Ave	28260 1458495	51199	132610	235605	713204	5.00 300	10.0	25.0	50.0	150
Allyl chloride	FB	Ave	43741 2219226	79804	213533	384568	1164794	1.00 60.0	2.00	5.00	10.0	30.0
Carbon disulfide	FB	Ave	120707 6368567	222539	605561	1087335	3307190	1.00 60.0	2.00	5.00	10.0	30.0
Tetrahydrofuran	FB	Ave	+++++ 201395	6859	18349	32648	95894	+++++ 120	4.00	10.0	20.0	60.0
Methyl tert-butyl ether	FB	Ave	28397 1772366	51987	144825	269274	846631	1.00 60.0	2.00	5.00	10.0	30.0
Hexane	CBZ	Ave	+++++ 2144701	80267	212445	374513	1156013	+++++ 60.0	2.00	5.00	10.0	30.0
Vinyl acetate	FB	Ave	43699 2488215	79265	215526	394883	1212588	2.00 120	4.00	10.0	20.0	60.0
Tert-butyl ethyl ether	FB	Ave	236500 14918883	449958	1218502	2265888	7133532	5.00 300	10.0	25.0	50.0	150
Ethyl acetate	FB	Ave	19198 937859	35047	74329	125753	456266	2.00 120	4.00	10.0	20.0	60.0
2-Butanol	FB	Ave	13078 814851	24405	68501	128626	386006	30.0 1800	60.0	150	300	900

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30282-1 Analy Batch No.: 124040

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2012 07:32 Calibration End Date: 06/14/2012 09:23 Calibration ID: 9710

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Cyclohexane	FB	Ave	51587 2578788	92439	241833	437316	1389724	1.00 60.0	2.00	5.00	10.0	30.0
Tert-amyl methyl ether	FB	Ave	165029 11016897	315492	863742	1604846	5141813	5.00 300	10.0	25.0	50.0	150
2-Pentanone	FB	Ave	26247 1173486	48883	96353	177017	620974	4.00 240	8.00	20.0	40.0	120
Methyl methacrylate	FB	Ave	3236 243050	7087	17795	32297	111466	2.00 120	4.00	10.0	20.0	60.0
Methylcyclohexane	FB	Ave	44783 2234675	82646	215016	382820	1205776	1.00 60.0	2.00	5.00	10.0	30.0
2-Chloroethyl vinyl ether	FB	Ave	4906 341903	9072	22261	43816	153949	1.00 60.0	2.00	5.00	10.0	30.0
2-Nitropropane	FB	Ave	+++++ 119190	3328	9163	16318	54331	+++++ 60.0	2.00	5.00	10.0	30.0
Ethyl methacrylate	CBZ	Ave	20256 1414991	38443	102513	194068	693717	2.00 120	4.00	10.0	20.0	60.0
cis-1,4-Dichloro-2-butene	DCB	Ave	+++++ 185188	4680	12457	24314	82955	+++++ 60.0	2.00	5.00	10.0	30.0
trans-1,4-Dichloro-2-butene	DCB	Lin1	1666 160219	3648	11575	21524	71771	1.00 60.0	2.00	5.00	10.0	30.0
Dibromofluoromethane (Surr)	FB	Lin2	+++++ 921546	120280	209196	345366	633338	+++++ 30.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Lin	+++++ 642490	76316	138275	225969	413489	+++++ 30.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Lin1	+++++ 2745828	375729	621012	1015019	1982197	+++++ 30.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene (Surr)	DCB	Lin2	+++++ 845979	107774	179805	284413	588778	+++++ 30.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6354.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 07:32
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 1.0 5uL 190x LOT:DF700
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.560	8.561	(1.000)	1180587	12.5000	
* 88 Chlorobenzene-d5	119	11.430	11.431	(1.000)	239897	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.043	14.044	(1.000)	330049	12.5000	
$ 52 Dibromofluoromethane (Surr)	111	7.968	7.959	(0.931)	127148	1.00000	1.80416
$ 58 1,2-Dichloroethane-d4	65	8.294	8.285	(0.969)	81124	1.00000	2.03365
$ 76 Toluene-d8	98	9.951	9.951	(0.871)	408290	1.00000	1.75144
$ 99 4-Bromofluorobenzene (Surr)	95	12.741	12.742	(0.907)	113421	1.00000	1.79764
11 Ethylene Oxide	43	5.207	5.198	(0.608)	61454	125.000	132.929(Q)
14 Dichlorofluoromethane	67	5.543	5.534	(0.648)	65385	1.00000	0.962998(a)
17 1,2-dichloro-1,1,2-trifluoroe	117	5.809	5.810	(0.679)	32221	1.00000	0.983219(a)
21 Propylene Oxide	58	5.927	5.908	(0.692)	75755	50.0000	44.3786
19 Ethyl Ether	59	5.799	5.790	(0.677)	10632	1.00000	0.931136(a)
20 2,2-dichloro-1,1,1-trifluoroe	83	5.858	5.849	(0.684)	50021	1.00000	0.962807(a)
23 Trichlorotrifluoroethane	151	6.105	6.096	(0.713)	27185	1.00000	0.985794(a)
18 2-propanol	45	5.809	5.790	(0.679)	8885	20.0000	19.8297
27 Methyl Acetate	43	6.351	6.332	(0.742)	28260	5.00000	4.92921
29 Allyl Chloride	41	6.410	6.391	(0.749)	43741	1.00000	0.963382(a)
30 Carbon Disulfide	76	6.420	6.411	(0.750)	120707	1.00000	0.942555(a)
34 Methyl t-butyl ether	73	6.696	6.687	(0.782)	28397	1.00000	0.893172(a)
36 Hexane	57	6.913	6.904	(0.605)	43310	1.00000	0.966038(a)
37 Vinyl acetate	43	7.041	7.023	(0.823)	43699	2.00000	1.86666(a)
41 ETBE	59	7.357	7.348	(0.859)	236500	5.00000	4.40670
42 Ethyl Acetate	43	7.515	7.496	(0.878)	19198	2.00000	2.15282

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44 2-Butanol	45	7.574	7.565	(0.885)	13078	30.0000	26.4747
51 Tetrahydrofuran	42	Compound Not Detected.					
55 Cyclohexane	56	8.126	8.127	(0.949)	51587	1.00000	0.979869(a)
59 TAME	73	8.343	8.344	(0.975)	165029	5.00000	4.31053
65 2-Pentanone	43	8.935	8.926	(1.044)	26247	4.00000	4.37597
67 Methyl Cyclohexane	55	9.083	9.084	(1.061)	44783	1.00000	0.969960(a)
66 Methyl Methacrylate	100	9.024	9.024	(1.054)	3236	2.00000	1.60090
73 2-nitropropane	41	9.477	9.478	(1.107)	1243	1.00000	0.599006(aQ)
72 2-Chloroethyl vinyl ether	63	9.467	9.458	(1.106)	4906	1.00000	0.891342(a)
78 Ethyl methacrylate	69	10.118	10.119	(0.885)	20256	2.00000	1.71318
85 Tetrahydrothiophene	60	10.868	10.859	(0.951)	2625	1.00000	1.53173
97 cis-1,4-dichloro-2-butene	53	12.564	12.574	(0.895)	2335	1.00000	0.797042(a)
101 t-1,4-Dichloro-2-butene	53	12.869	12.870	(0.916)	1666	1.00000	1.02444
115 1,2,3-Trimethylbenzene	105	14.082	14.083	(1.003)	77770	1.00000	0.944851(a)
119 Tetralin	104	Compound Not Detected.					

QC Flag Legend

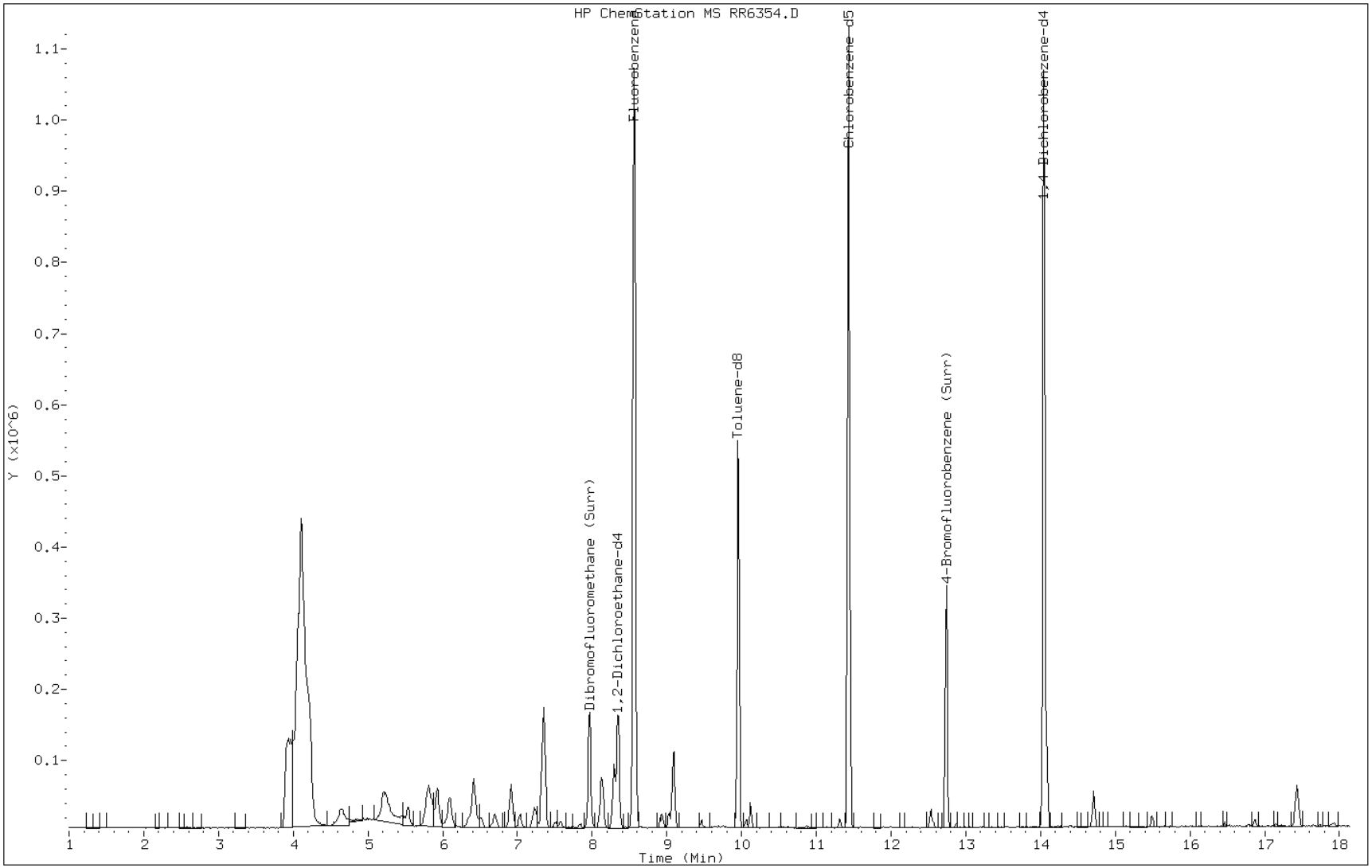
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6354.D

Date: 14-JUN-2012 07:32

Client ID: Instrument: R2.i

Sample Info: IC,,S 1.0 5uL 190x LOT:DF700 Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6355.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 07:54
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 2.0 10uL 10x
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.559	8.561	(1.000)	1071390	12.5000	
*	88 Chlorobenzene-d5	119	11.429	11.431	(1.000)	219106	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.042	14.044	(1.000)	301399	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.968	7.959	(0.931)	120280	2.00000	1.96031
$	58 1,2-Dichloroethane-d4	65	8.293	8.285	(0.969)	76316	2.00000	2.15913
$	76 Toluene-d8	98	9.960	9.951	(0.871)	375729	2.00000	1.78353
$	99 4-Bromofluorobenzene (Surr)	95	12.741	12.742	(0.907)	107774	2.00000	1.95927
	11 Ethylene Oxide	43	5.226	5.198	(0.611)	104738	250.000	249.646(Q)
	14 Dichlorofluoromethane	67	5.542	5.534	(0.647)	116677	2.00000	1.89358
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.808	5.810	(0.679)	59377	2.00000	1.99655
	21 Propylene Oxide	58	5.927	5.908	(0.692)	146404	100.000	94.5075
	19 Ethyl Ether	59	5.798	5.790	(0.677)	19767	2.00000	1.90761
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.848	5.849	(0.683)	93968	2.00000	1.99305
	23 Trichlorotrifluoroethane	151	6.094	6.096	(0.712)	48127	2.00000	1.92307
	18 2-propanol	45	5.798	5.790	(0.677)	15451	40.0000	37.9985
	27 Methyl Acetate	43	6.351	6.332	(0.742)	51199	10.0000	9.84050
	29 Allyl Chloride	41	6.400	6.391	(0.748)	79804	2.00000	1.93680
	30 Carbon Disulfide	76	6.420	6.411	(0.750)	222539	2.00000	1.91483
	34 Methyl t-butyl ether	73	6.696	6.687	(0.782)	51987	2.00000	1.80180
	36 Hexane	57	6.913	6.904	(0.605)	80267	2.00000	1.96026
	37 Vinyl acetate	43	7.041	7.023	(0.823)	79265	4.00000	3.73100
	41 ETBE	59	7.347	7.348	(0.858)	449958	10.0000	9.23857
	42 Ethyl Acetate	43	7.504	7.496	(0.877)	35047	4.00000	4.33064

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44	2-Butanol	45	7.573	7.565	(0.885)	24405	60.0000	54.4402
51	Tetrahydrofuran	42	7.840	7.841	(0.916)	6859	4.00000	3.84508
55	Cyclohexane	56	8.126	8.127	(0.949)	92439	2.00000	1.93479
59	TAME	73	8.343	8.344	(0.975)	315492	10.0000	9.08048
65	2-Pentanone	43	8.934	8.926	(1.044)	48883	8.00000	8.98054
67	Methyl Cyclohexane	55	9.092	9.084	(1.062)	82646	2.00000	1.97248
66	Methyl Methacrylate	100	9.023	9.024	(1.054)	7087	4.00000	3.86338(Q)
73	2-nitropropane	41	9.477	9.478	(1.107)	3328	2.00000	1.76723(Q)
72	2-Chloroethyl vinyl ether	63	9.457	9.458	(1.105)	9072	2.00000	1.81623
78	Ethyl methacrylate	69	10.118	10.119	(0.885)	38443	4.00000	3.55989
85	Tetrahydrothiophene	60	10.867	10.859	(0.951)	5451	2.00000	2.04644
97	cis-1,4-dichloro-2-butene	53	12.573	12.574	(0.895)	4680	2.00000	1.74935
101	t-1,4-Dichloro-2-butene	53	12.869	12.870	(0.916)	3648	2.00000	1.87145
115	1,2,3-Trimethylbenzene	105	14.082	14.083	(1.003)	141644	2.00000	1.88446
119	Tetralin	104	Compound Not Detected.					

QC Flag Legend

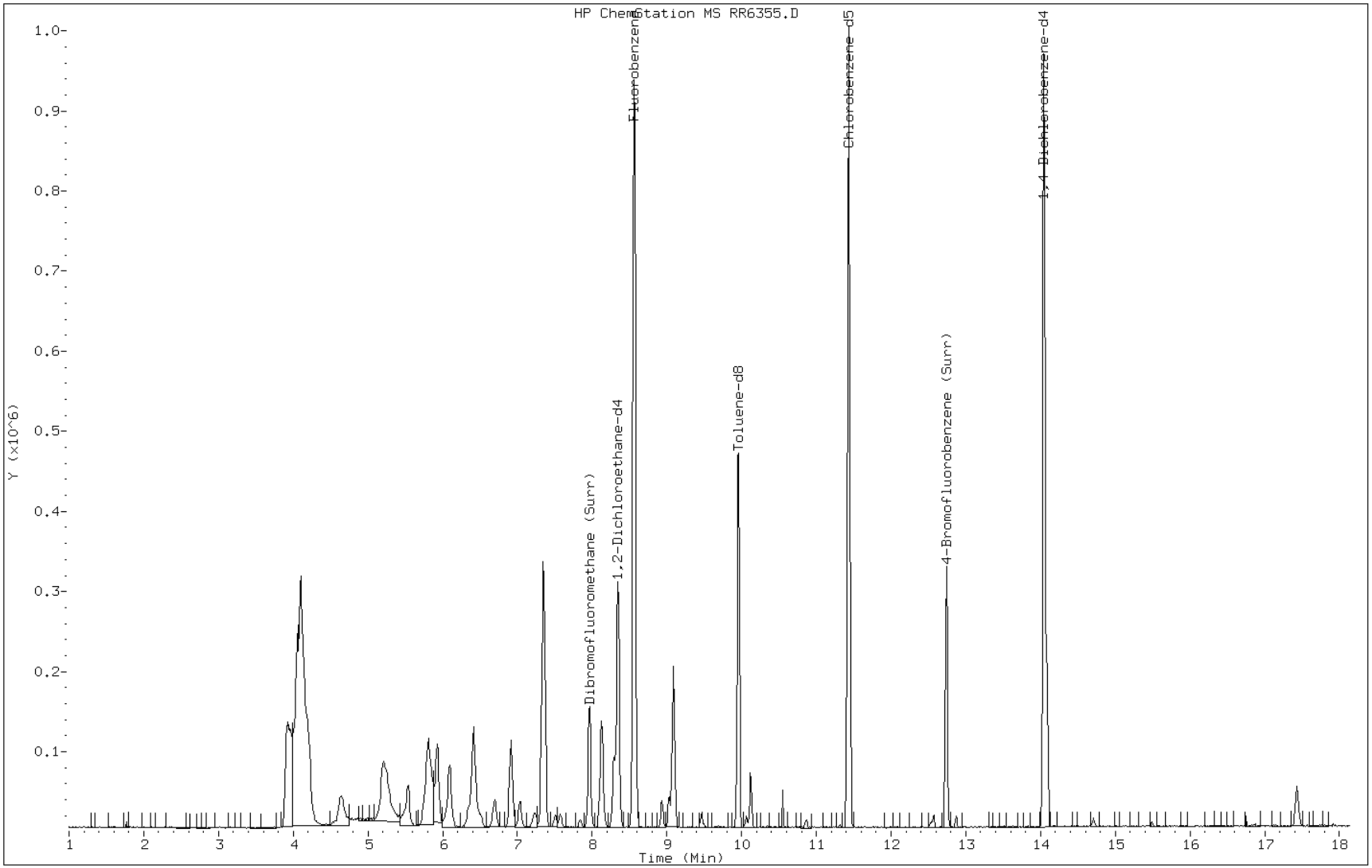
Q - Qualifier signal failed the ratio test.

Data File: RR6355.D

Date: 14-JUN-2012 07:54

Client ID: Instrument: R2.i

Sample Info: IC,,S 2.0 10uL 10x Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6356.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 08:17
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 5.0 2.5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.557	8.561	(1.000)	1000714	12.5000	
*	88 Chlorobenzene-d5	119	11.427	11.431	(1.000)	198154	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.040	14.044	(1.000)	278541	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.956	7.959	(0.930)	209196	5.00000	5.26984
$	58 1,2-Dichloroethane-d4	65	8.281	8.285	(0.968)	138275	5.00000	5.49801
$	76 Toluene-d8	98	9.948	9.951	(0.871)	621012	5.00000	5.31642
$	99 4-Bromofluorobenzene (Surr)	95	12.738	12.742	(0.907)	179805	5.00000	5.30013
	11 Ethylene Oxide	43	5.204	5.198	(0.608)	278063	625.000	709.580
	14 Dichlorofluoromethane	67	5.530	5.534	(0.646)	323170	5.00000	5.61521
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.806	5.810	(0.678)	150731	5.00000	5.42627
	21 Propylene Oxide	58	5.914	5.908	(0.691)	391005	250.000	270.230
	19 Ethyl Ether	59	5.796	5.790	(0.677)	54260	5.00000	5.60616
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.855	5.849	(0.684)	241209	5.00000	5.47732
	23 Trichlorotrifluoroethane	151	6.092	6.096	(0.712)	128518	5.00000	5.49805
	18 2-propanol	45	5.786	5.790	(0.676)	42061	100.000	110.746
	27 Methyl Acetate	43	6.338	6.332	(0.741)	132610	25.0000	27.2879
	29 Allyl Chloride	41	6.397	6.391	(0.748)	213533	5.00000	5.54834
	30 Carbon Disulfide	76	6.417	6.411	(0.750)	605561	5.00000	5.57854
	34 Methyl t-butyl ether	73	6.693	6.687	(0.782)	144825	5.00000	5.37396
	36 Hexane	57	6.910	6.904	(0.605)	212445	5.00000	5.73686
	37 Vinyl acetate	43	7.029	7.023	(0.821)	215526	10.0000	10.8613
	41 ETBE	59	7.344	7.348	(0.858)	1218502	25.0000	26.7853
	42 Ethyl Acetate	43	7.502	7.496	(0.877)	74329	10.0000	9.83326

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
44	2-Butanol	45	7.571	7.565	(0.885)	68501	150.000	163.597
51	Tetrahydrofuran	42	7.837	7.841	(0.916)	18349	10.0000	11.0127
55	Cyclohexane	56	8.123	8.127	(0.949)	241833	5.00000	5.41915
59	TAME	73	8.340	8.344	(0.975)	863742	25.0000	26.6160
65	2-Pentanone	43	8.932	8.926	(1.044)	96353	20.0000	18.9517
67	Methyl Cyclohexane	55	9.090	9.084	(1.062)	215016	5.00000	5.49413
66	Methyl Methacrylate	100	9.030	9.024	(1.055)	17795	10.0000	10.3858
73	2-nitropropane	41	9.474	9.478	(1.107)	9163	5.00000	5.20937
72	2-Chloroethyl vinyl ether	63	9.464	9.458	(1.106)	22261	5.00000	4.77144
78	Ethyl methacrylate	69	10.115	10.119	(0.885)	102513	10.0000	10.4966
85	Tetrahydrothiophene	60	10.865	10.859	(0.951)	20091	5.00000	4.87225
97	cis-1,4-dichloro-2-butene	53	12.571	12.574	(0.895)	12457	5.00000	5.03845
101	t-1,4-Dichloro-2-butene	53	12.866	12.870	(0.916)	11575	5.00000	5.40704
115	1,2,3-Trimethylbenzene	105	14.079	14.083	(1.003)	373997	5.00000	5.38405
119	Tetralin	104	Compound Not Detected.					

Data File: RR6356.D

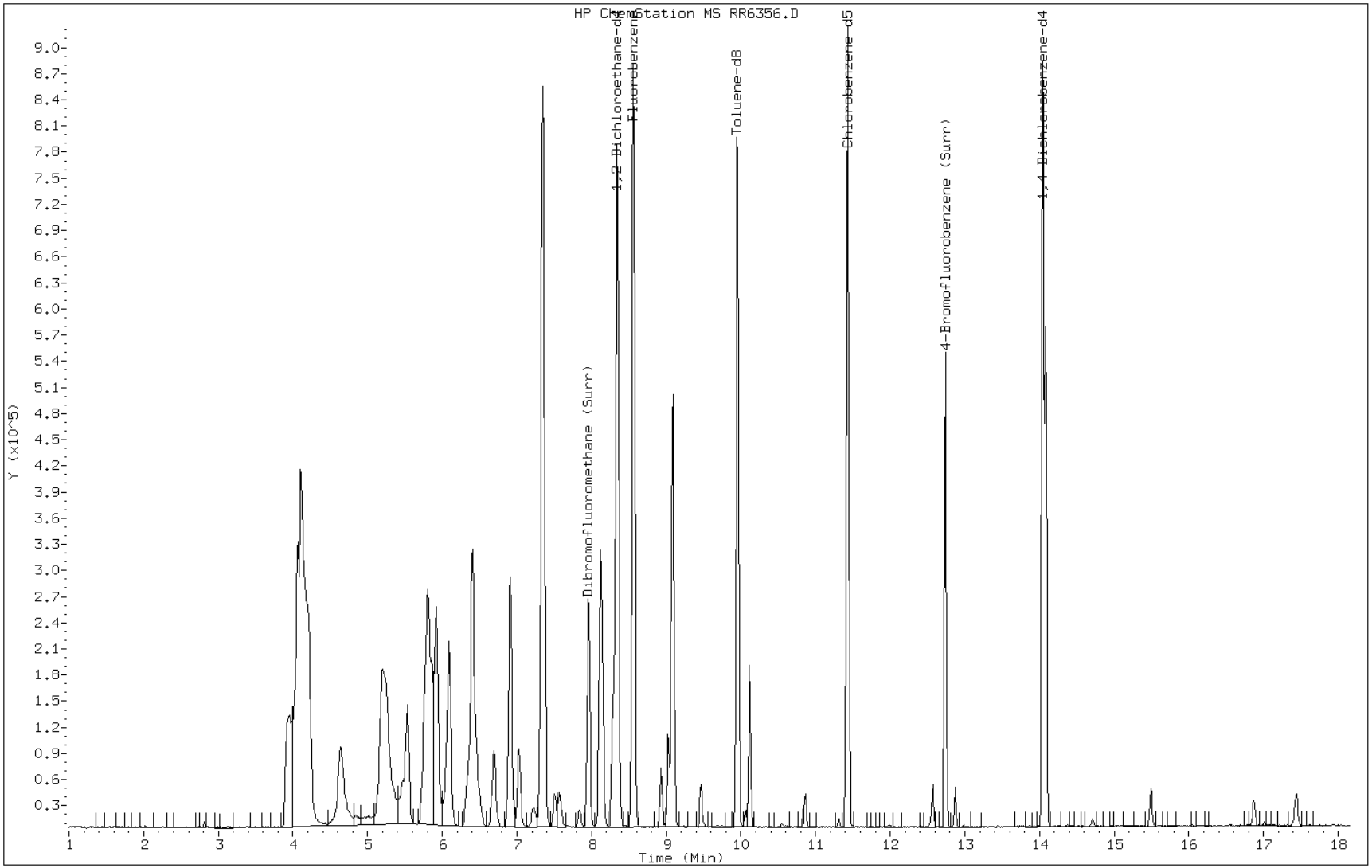
Date: 14-JUN-2012 08:17

Client ID:

Instrument: R2.i

Sample Info: IC,,S 5.0 2.5uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6357.D
Lab Smp Id: ICIS
Inj Date : 14-JUN-2012 08:39
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICIS,,S 10 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.556	8.561	(1.000)	976634	12.5000	
*	88 Chlorobenzene-d5	119	11.426	11.431	(1.000)	189086	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.039	14.044	(1.000)	271569	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.955	7.959	(0.930)	345366	10.0000	10.2140
$	58 1,2-Dichloroethane-d4	65	8.280	8.285	(0.968)	225969	10.0000	10.1463
$	76 Toluene-d8	98	9.947	9.951	(0.871)	1015019	10.0000	10.8779
$	99 4-Bromofluorobenzene (Surr)	95	12.737	12.742	(0.907)	284413	10.0000	9.96165
	11 Ethylene Oxide	43	5.194	5.198	(0.607)	490235	1250.00	1281.86
	14 Dichlorofluoromethane	67	5.529	5.534	(0.646)	573495	10.0000	10.2104
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.805	5.810	(0.678)	271599	10.0000	10.0186
	21 Propylene Oxide	58	5.913	5.908	(0.691)	735644	500.000	520.951
	19 Ethyl Ether	59	5.785	5.790	(0.676)	92394	10.0000	9.78155
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.844	5.849	(0.683)	435152	10.0000	10.1250
	23 Trichlorotrifluoroethane	151	6.091	6.096	(0.712)	229085	10.0000	10.0420
	18 2-propanol	45	5.785	5.790	(0.676)	74213	200.000	200.219
	27 Methyl Acetate	43	6.328	6.332	(0.740)	235605	50.0000	49.6771
	29 Allyl Chloride	41	6.387	6.391	(0.746)	384568	10.0000	10.2388
	30 Carbon Disulfide	76	6.406	6.411	(0.749)	1087335	10.0000	10.2637
	34 Methyl t-butyl ether	73	6.683	6.687	(0.781)	269274	10.0000	10.2382
	36 Hexane	57	6.900	6.904	(0.604)	374513	10.0000	10.5984
	37 Vinyl acetate	43	7.018	7.023	(0.820)	394883	20.0000	20.3905
	41 ETBE	59	7.343	7.348	(0.858)	2265888	50.0000	51.0372
	42 Ethyl Acetate	43	7.501	7.496	(0.877)	125753	20.0000	17.0465

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
44	2-Butanol	45	7.560	7.565	(0.884)	128626	300.000	314.764
51	Tetrahydrofuran	42	7.836	7.841	(0.916)	32648	20.0000	20.0778
55	Cyclohexane	56	8.122	8.127	(0.949)	437316	10.0000	10.0413
59	TAME	73	8.339	8.344	(0.975)	1604846	50.0000	50.6722
65	2-Pentanone	43	8.921	8.926	(1.043)	177017	40.0000	35.6759
67	Methyl Cyclohexane	55	9.089	9.084	(1.062)	382820	10.0000	10.0231
66	Methyl Methacrylate	100	9.020	9.024	(1.054)	32297	20.0000	19.3145
73	2-nitropropane	41	9.473	9.478	(1.107)	16318	10.0000	9.50589
72	2-Chloroethyl vinyl ether	63	9.454	9.458	(1.105)	43816	10.0000	9.62311
78	Ethyl methacrylate	69	10.114	10.119	(0.885)	194068	20.0000	20.8242
85	Tetrahydrothiophene	60	10.864	10.859	(0.951)	42117	10.0000	9.35401
97	cis-1,4-dichloro-2-butene	53	12.570	12.574	(0.895)	24314	10.0000	10.0867
101	t-1,4-Dichloro-2-butene	53	12.866	12.870	(0.916)	21524	10.0000	9.93298
115	1,2,3-Trimethylbenzene	105	14.079	14.083	(1.003)	687985	10.0000	10.1585
119	Tetralin	104	Compound Not Detected.					

Data File: RR6357.D

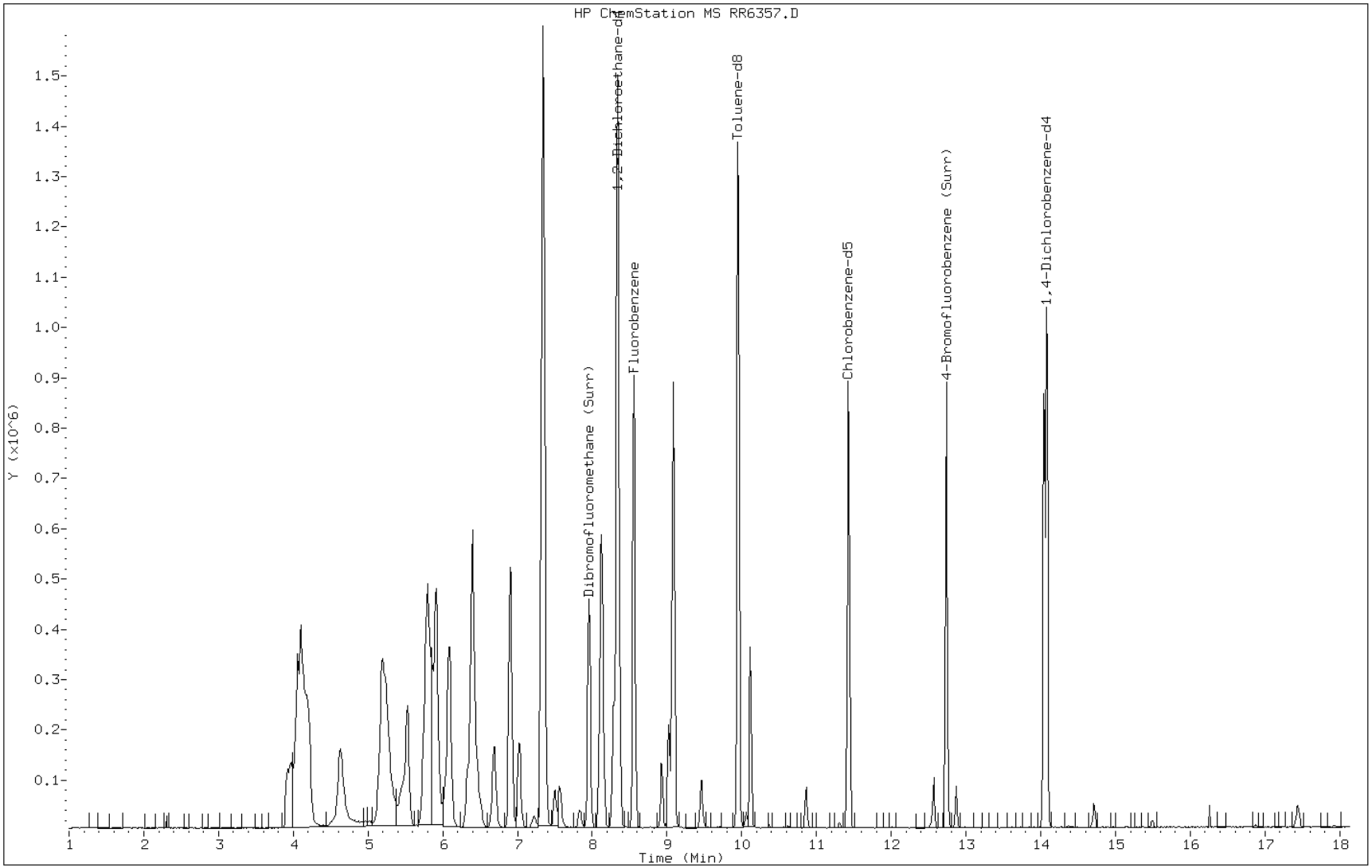
Date: 14-JUN-2012 08:39

Client ID:

Instrument: R2.i

Sample Info: ICIS,,S 10 5uL

Operator: DOBRANSKYM



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VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6358.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 09:01
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 30 15uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:01 Cal File: RR6358.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.560	8.561	(1.000)	1043101	12.5000	
*	88 Chlorobenzene-d5	119	11.429	11.431	(1.000)	222624	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.043	14.044	(1.000)	308909	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.958	7.959	(0.930)	633338	20.0000	18.8840
$	58 1,2-Dichloroethane-d4	65	8.284	8.285	(0.968)	413489	20.0000	18.3770
$	76 Toluene-d8	98	9.950	9.951	(0.871)	1982197	20.0000	19.6799
$	99 4-Bromofluorobenzene (Surr)	95	12.741	12.742	(0.907)	588778	20.0000	19.9246
	11 Ethylene Oxide	43	5.197	5.198	(0.607)	1344218	3750.00	3290.88
	14 Dichlorofluoromethane	67	5.532	5.534	(0.646)	1731366	30.0000	28.8608
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.809	5.810	(0.679)	830852	30.0000	28.6950
	21 Propylene Oxide	58	5.917	5.908	(0.691)	2209218	1500.00	1464.78
	19 Ethyl Ether	59	5.789	5.790	(0.676)	296094	30.0000	29.3494
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.848	5.849	(0.683)	1330004	30.0000	28.9742
	23 Trichlorotrifluoroethane	151	6.085	6.096	(0.711)	706955	30.0000	29.0148
	18 2-propanol	45	5.789	5.790	(0.676)	226935	600.000	573.235
	27 Methyl Acetate	43	6.331	6.332	(0.740)	713204	150.000	140.796(A)
	29 Allyl Chloride	41	6.390	6.391	(0.747)	1164794	30.0000	29.0356
	30 Carbon Disulfide	76	6.410	6.411	(0.749)	3307190	30.0000	29.2284
	34 Methyl t-butyl ether	73	6.686	6.687	(0.781)	846631	30.0000	30.1390
	36 Hexane	57	6.903	6.904	(0.604)	1156013	30.0000	27.7857
	37 Vinyl acetate	43	7.022	7.023	(0.820)	1212588	60.0000	58.6243
	41 ETBE	59	7.347	7.348	(0.858)	7133532	150.000	150.438(A)
	42 Ethyl Acetate	43	7.505	7.496	(0.877)	456266	60.0000	57.9083

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
44 2-Butanol	45	7.564	7.565	(0.884)	386006	900.000	884.415
51 Tetrahydrofuran	42	7.840	7.841	(0.916)	95894	60.0000	55.2150
55 Cyclohexane	56	8.126	8.127	(0.949)	1389724	30.0000	29.8764
59 TAME	73	8.343	8.344	(0.975)	5141813	150.000	152.005(A)
65 2-Pentanone	43	8.935	8.926	(1.044)	620974	120.000	117.176(A)
67 Methyl Cyclohexane	55	9.083	9.084	(1.061)	1205776	30.0000	29.5582
66 Methyl Methacrylate	100	9.023	9.024	(1.054)	111466	60.0000	62.4121(A)
73 2-nitropropane	41	9.477	9.478	(1.107)	54331	30.0000	29.6332
72 2-Chloroethyl vinyl ether	63	9.467	9.458	(1.106)	153949	30.0000	31.6567
78 Ethyl methacrylate	69	10.118	10.119	(0.885)	693717	60.0000	63.2243(A)
85 Tetrahydrothiophene	60	10.867	10.859	(0.951)	164770	30.0000	28.4625
97 cis-1,4-dichloro-2-butene	53	12.573	12.574	(0.895)	82955	30.0000	30.2541
101 t-1,4-Dichloro-2-butene	53	12.869	12.870	(0.916)	71771	30.0000	28.3093
115 1,2,3-Trimethylbenzene	105	14.082	14.083	(1.003)	2347744	30.0000	30.4754
119 Tetralin	104	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: RR6358.D

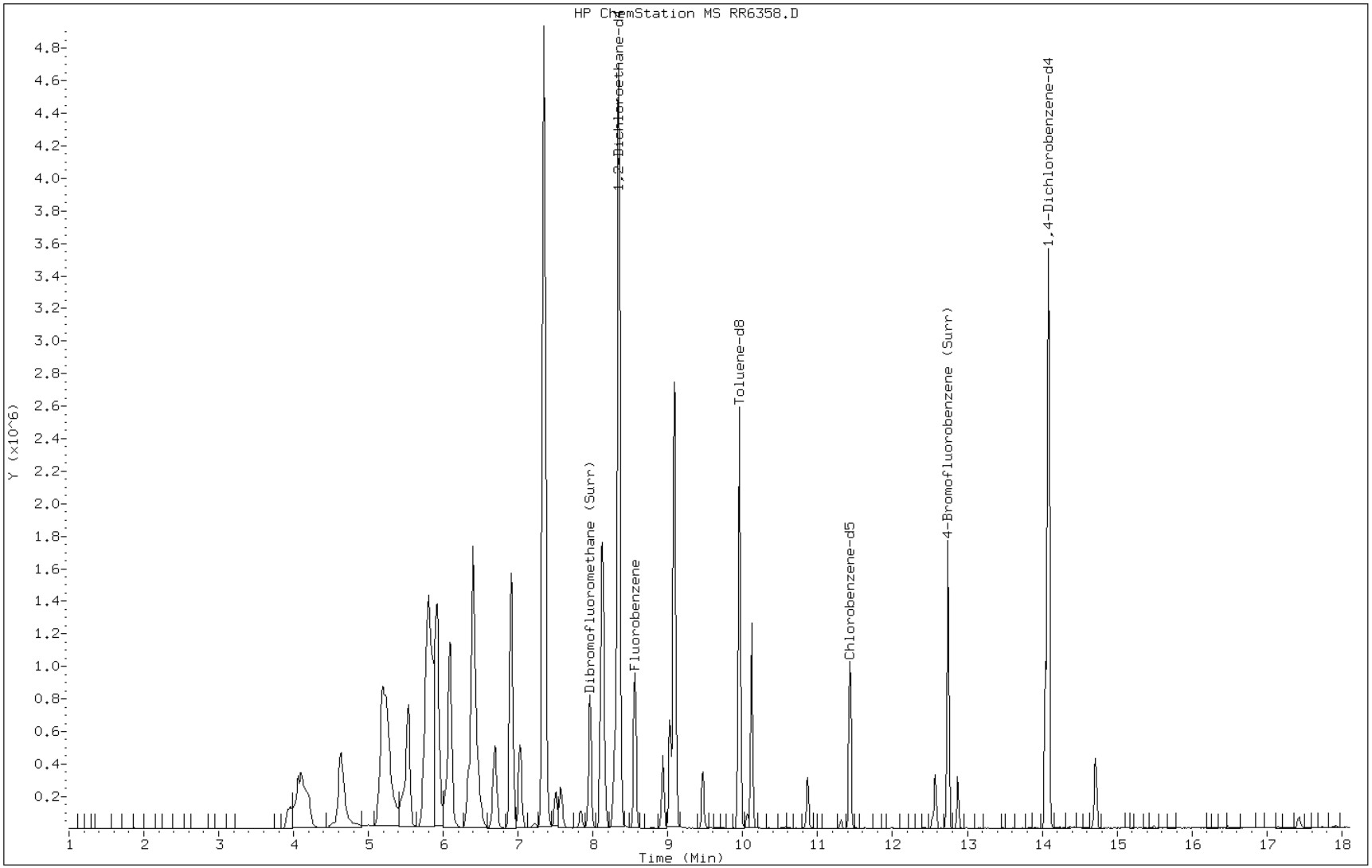
Date: 14-JUN-2012 09:01

Client ID:

Instrument: R2.i

Sample Info: IC,,S 30 15uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6359.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 09:23
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 60 30uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.561	8.561	(1.000)	994747	12.5000	
* 88	Chlorobenzene-d5	119	11.431	11.431	(1.000)	215765	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.044	14.044	(1.000)	315971	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.959	7.959	(0.930)	921546	30.0000	29.8008
$ 58	1,2-Dichloroethane-d4	65	8.285	8.285	(0.968)	642490	30.0000	30.8196
$ 76	Toluene-d8	98	9.951	9.951	(0.871)	2745828	30.0000	29.1950
$ 99	4-Bromofluorobenzene (Surr)	95	12.742	12.742	(0.907)	845979	30.0000	28.8747
11	Ethylene Oxide	43	5.198	5.198	(0.607)	2628170	7500.00	6746.98
14	Dichlorofluoromethane	67	5.534	5.534	(0.646)	3377999	60.0000	59.0462
17	1,2-dichloro-1,1,2-trifluoroe	117	5.810	5.810	(0.679)	1615151	60.0000	58.4938
21	Propylene Oxide	58	5.908	5.908	(0.690)	4608379	3000.00	3204.03(A)
19	Ethyl Ether	59	5.790	5.790	(0.676)	598821	60.0000	62.2415(A)
20	2,2-dichloro-1,1,1-trifluoroe	83	5.849	5.849	(0.683)	2539571	60.0000	58.0140
23	Trichlorotrifluoroethane	151	6.096	6.096	(0.712)	1368632	60.0000	58.9018
18	2-propanol	45	5.790	5.790	(0.676)	450596	1200.00	1193.53
27	Methyl Acetate	43	6.332	6.332	(0.740)	1458495	300.000	301.923(A)
29	Allyl Chloride	41	6.391	6.391	(0.747)	2219226	60.0000	58.0092
30	Carbon Disulfide	76	6.411	6.411	(0.749)	6368567	60.0000	59.0203
34	Methyl t-butyl ether	73	6.687	6.687	(0.781)	1772366	60.0000	66.1609(A)
36	Hexane	57	6.904	6.904	(0.604)	2144701	60.0000	53.1883
37	Vinyl acetate	43	7.023	7.023	(0.820)	2488215	120.000	126.144(A)
41	ETBE	59	7.348	7.348	(0.858)	14918883	300.000	329.917(A)
42	Ethyl Acetate	43	7.496	7.496	(0.876)	937859	120.000	124.817(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44	2-Butanol	45	7.565	7.565	(0.884)	814851	1800.00	1957.73(A)
51	Tetrahydrofuran	42	7.841	7.841	(0.916)	201395	120.000	121.598(A)
55	Cyclohexane	56	8.127	8.127	(0.949)	2578788	60.0000	58.1338
59	TAME	73	8.344	8.344	(0.975)	11016897	300.000	341.519(A)
65	2-Pentanone	43	8.926	8.926	(1.043)	1173486	240.000	232.198(A)
67	Methyl Cyclohexane	55	9.084	9.084	(1.061)	2234675	60.0000	57.4434
66	Methyl Methacrylate	100	9.024	9.024	(1.054)	243050	120.000	142.704(A)
73	2-nitropropane	41	9.478	9.478	(1.107)	119190	60.0000	68.1687(A)
72	2-Chloroethyl vinyl ether	63	9.458	9.458	(1.105)	341903	60.0000	73.7233(A)
78	Ethyl methacrylate	69	10.119	10.119	(0.885)	1414991	120.000	133.060(A)
85	Tetrahydrothiophene	60	10.859	10.859	(0.950)	379046	60.0000	66.0094(A)
97	cis-1,4-dichloro-2-butene	53	12.574	12.574	(0.895)	185188	60.0000	66.0296(A)
101	t-1,4-Dichloro-2-butene	53	12.870	12.870	(0.916)	160219	60.0000	61.2894(A)
115	1,2,3-Trimethylbenzene	105	14.083	14.083	(1.003)	4748781	60.0000	60.2649(A)
119	Tetralin	104	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: RR6359.D

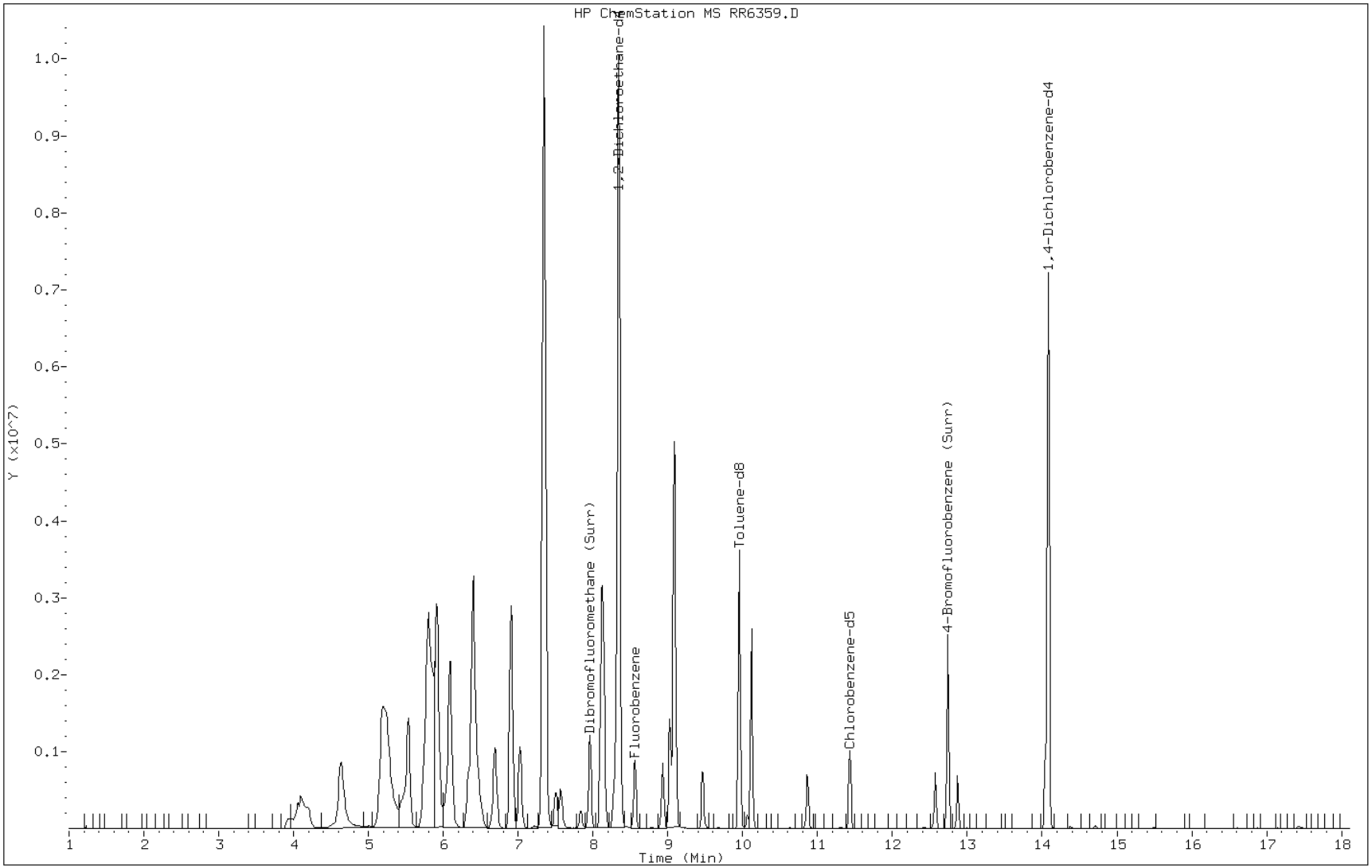
Date: 14-JUN-2012 09:23

Client ID:

Instrument: R2.i

Sample Info: IC,,S 60 30uL

Operator: DOBRANSKYM



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30282-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-124226/3	RR6388.D
Level 2	IC 280-124226/4	RR6389.D
Level 3	IC 280-124226/5	RR6390.D
Level 4	IC 280-124226/6	RR6391.D
Level 5	IC 280-124226/7	RR6392.D
Level 6	IC 280-124226/8	RR6393.D
Level 7	IC 280-124226/9	RR6394.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloroethene, Total	+++++ 0.3349	0.3657 0.3326	0.3326	0.3842	0.3324	Ave		0.3471				6.5		15.0			
Xylenes, Total	+++++ 2.4369	2.2788 2.4230	2.1435	2.6018	2.2827	Ave		2.3611				6.8		15.0			
Ethanol	+++++ 0.0007	+++++ 0.0008	0.0007	0.0009	0.0008	Ave		0.0008				9.9		15.0			
Dichlorodifluoromethane	+++++ 0.3461	0.3173 0.3138	0.3334	0.4054	0.3531	Ave		0.3448				9.7		15.0			
Chloromethane	+++++ 0.2775	0.3256 0.2696	0.2861	0.3354	0.2872	Ave		0.2969			0.1000	9.1		15.0			
Vinyl chloride	+++++ 0.3153	0.2985 0.2967	0.3060	0.3733	0.3253	Ave		0.3192				9.0		30.0			
Bromomethane	+++++ 0.2794	0.3159 0.2714	0.2935	0.3328	0.2987	Ave		0.2986				7.6		15.0			
Chloroethane	+++++ 0.1892	0.2370 0.1821	0.2019	0.2287	0.1989	Ave		0.2063				10.6		15.0			
Trichlorofluoromethane	+++++ 0.5501	0.4556 0.5094	0.5430	0.6310	0.5500	Ave		0.5398				10.7		15.0			
Acrolein	+++++ 0.0128	+++++ 0.0126	0.0121	0.0135	0.0126	Ave		0.0127				3.9		15.0			
Acetone	+++++ 0.0230	0.0497 0.0214	0.0344	0.0315	0.0241	Lin	-0.567	0.0210							0.9991		
1,1-Dichloroethene	+++++ 0.3123	0.3697 0.3079	0.3248	0.3712	0.3263	Ave		0.3354				8.4		30.0			
Iodomethane	+++++ 0.6530	0.7307 0.6699	0.6474	0.7568	0.6598	Ave		0.6862				6.7		15.0			
Acetonitrile	+++++ 0.0076	0.0096 0.0075	0.0095	0.0102	0.0084	Ave		0.0088				12.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30282-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Butanone (MEK)	+++++ 0.0351	0.0372 0.0338	0.0333	0.0369	0.0337	Ave		0.0350				4.9		15.0			
2-Methyl-2-propanol	+++++ 0.0059	0.0059 0.0060	0.0057	0.0067	0.0059	Ave		0.0060				5.8		15.0			
Methylene Chloride	+++++ 0.2619	0.3766 0.2549	0.3066	0.3286	0.2705	Lin	-0.066	0.2523							0.9997		
1,4-Dioxane	+++++ 0.0007	+++++ 0.0007	0.0006	0.0008	0.0007	Ave		0.0007				9.5		15.0			
Acrylonitrile	+++++ 0.0264	0.0273 0.0252	0.0253	0.0303	0.0262	Ave		0.0268				7.0		15.0			
trans-1,2-Dichloroethene	+++++ 0.3438	0.3914 0.3385	0.3487	0.4004	0.3469	Ave		0.3616				7.4		15.0			
Isopropyl ether	+++++ 0.1629	0.1577 0.1670	0.1514	0.1781	0.1593	Ave		0.1627				5.6		15.0			
1,1-Dichloroethane	+++++ 0.5776	0.6154 0.5738	0.5818	0.6667	0.5775	Ave		0.5988			0.1000	6.1		15.0			
2-Chloro-1,3-butadiene	+++++ 0.5750	0.5840 0.5583	0.5302	0.6375	0.5513	Ave		0.5727				6.4		15.0			
cis-1,2-Dichloroethene	+++++ 0.3260	0.3399 0.3267	0.3164	0.3680	0.3180	Ave		0.3325				5.8		15.0			
Propionitrile	+++++ 0.0094	+++++ 0.0093	0.0088	0.0106	0.0094	Ave		0.0095				7.0		15.0			
2,2-Dichloropropane	+++++ 0.4564	0.5149 0.4527	0.4697	0.5339	0.4638	Ave		0.4819				7.0		15.0			
Methacrylonitrile	+++++ 0.0507	0.0509 0.0497	0.0490	0.0584	0.0499	Ave		0.0514				6.8		15.0			
Chlorobromomethane	+++++ 0.1253	0.1256 0.1249	0.1174	0.1384	0.1218	Ave		0.1256				5.6		15.0			
Chloroform	0.7018 0.5654	0.6002 0.5654	0.5420	0.6325	0.5475	Ave		0.5936				9.6		30.0			
Isobutyl alcohol	+++++ 0.0021	0.0021 0.0021	0.0019	0.0023	0.0021	Ave		0.0021				5.4		15.0			
1,1,1-Trichloroethane	+++++ 0.5398	0.5604 0.5381	0.5086	0.6014	0.5294	Ave		0.5463				5.8		15.0			
1,1-Dichloropropene	+++++ 0.4904	0.5172 0.4754	0.4616	0.5418	0.4745	Ave		0.4935				6.2		15.0			
Carbon tetrachloride	+++++ 0.5071	0.5283 0.4983	0.4872	0.5698	0.4973	Ave		0.5147				5.9		15.0			
1,2-Dichloroethane	0.1839 0.2529	0.2524 0.2478	0.2374	0.2759	0.2468	Ave		0.2424				11.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30282-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzene	1.3794 1.1215	1.1783 1.1061	1.0595	1.2275	1.0686	Ave		1.1630				9.7		15.0			
Trichloroethene	+++++ 0.3540	0.3556 0.3489	0.3253	0.3912	0.3315	Ave		0.3511				6.6		15.0			
1,2-Dichloropropane	+++++ 0.2479	0.2579 0.2453	0.2292	0.2771	0.2411	Ave		0.2498				6.5		30.0			
Dibromomethane	+++++ 0.1184	0.1221 0.1171	0.1106	0.1300	0.1155	Ave		0.1189				5.6		15.0			
Dichlorobromomethane	0.3777 0.3289	0.3144 0.3263	0.3052	0.3557	0.3157	Ave		0.3320				7.8		15.0			
cis-1,3-Dichloropropene	0.3930 0.3348	0.3113 0.3355	0.2947	0.3572	0.3136	Ave		0.3343				9.8		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.0791	0.0738 0.0769	0.0720	0.0859	0.0779	Ave		0.0776				6.2		15.0			
Toluene	+++++ 1.1533	1.1029 1.1581	1.1003	1.3093	1.1403	Ave		1.1607				6.6		30.0			
trans-1,3-Dichloropropene	+++++ 0.2479	0.2190 0.2431	0.2216	0.2605	0.2349	Ave		0.2378				6.7		15.0			
1,1,2-Trichloroethane	+++++ 0.1209	0.1173 0.1209	0.1191	0.1372	0.1176	Ave		0.1222				6.2		15.0			
2-Hexanone	+++++ 0.2538	0.2666 0.2403	0.2208	0.2731	0.2481	Ave		0.2504				7.5		15.0			
1,3-Dichloropropane	1.3392 1.0475	1.0467 1.0128	0.9185	1.1279	1.0132	Ave		1.0722				12.4		15.0			
Tetrachloroethene	+++++ 1.5891	1.5834 1.5523	1.3930	1.6618	1.4896	Ave		1.5449				6.0		15.0			
Chlorodibromomethane	1.0504 0.9635	0.9278 0.9492	0.8527	1.0055	0.9060	Ave		0.9507				6.8		15.0			
Ethylene Dibromide	+++++ 0.6473	0.6256 0.6330	0.5965	0.7015	0.6130	Ave		0.6361				5.7		15.0			
1,2,3-Trichloropropane	+++++ 0.0991	0.0927 0.0975	0.0917	0.1074	0.0953	Ave		0.0973				5.9		15.0			
1-Chlorohexane	+++++ 2.2955	2.1766 2.1844	2.0825	2.5200	2.1975	Ave		2.2427				6.8		15.0			
Chlorobenzene	4.4599 3.5035	3.4649 3.4801	3.2431	3.8174	3.3737	Ave		3.6204			0.3000	11.3		15.0			
Ethylbenzene	+++++ 2.0372	1.9247 2.0126	1.7973	2.2268	1.9423	Ave		1.9901				7.2		30.0			
1,1,1,2-Tetrachloroethane	1.3159 1.2346	1.2181 1.2472	1.0588	1.2812	1.1347	Ave		1.2129				7.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30282-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
m-Xylene & p-Xylene	+++++ 2.5300	2.3273 2.5051	2.2303	2.6941	2.3575	Ave		2.4407				6.9		15.0			
o-Xylene	+++++ 2.2506	2.1817 2.2589	1.9699	2.4172	2.1332	Ave		2.2019				6.8		15.0			
Styrene	+++++ 3.4062	2.8335 3.4929	2.8118	3.5436	3.1742	Ave		3.2104				10.2		15.0			
Bromoform	+++++ 0.5491	0.5335 0.5411	0.4751	0.5884	0.5086	Ave		0.5326			0.1000	7.2		15.0			
Isopropylbenzene	+++++ 4.2496	3.9756 4.2926	3.8576	4.7375	4.0723	Ave		4.1975				7.4		15.0			
Cyclohexanone	+++++ 0.0134	0.0139 0.0126	0.0115	0.0136	0.0123	Ave		0.0129				7.1		15.0			
1,1,2,2-Tetrachloroethane	0.5781 0.3833	0.3886 0.3788	0.3638	0.4312	0.3776	Lin1	-0.010	0.3801			0.3000				0.9990		0.9900
Bromobenzene	+++++ 0.9898	0.9184 1.0381	0.8675	1.0567	0.9247	Ave		0.9659				7.7		15.0			
N-Propylbenzene	+++++ 1.1509	1.0902 1.1871	1.0553	1.2762	1.1237	Ave		1.1473				6.8		15.0			
1,3,5-Trimethylbenzene	+++++ 3.4751	3.1116 3.5744	3.0015	3.6763	3.2187	Ave		3.3429				8.1		15.0			
2-Chlorotoluene	+++++ 1.0102	0.9744 1.0398	0.9149	1.1111	0.9547	Ave		1.0008				6.9		15.0			
4-Chlorotoluene	+++++ 0.9528	0.9159 0.9714	0.9008	1.0562	0.9141	Ave		0.9519				6.1		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.0649	+++++ 0.0662	0.0576	0.0664	0.0619	Ave		0.0634				5.9		15.0			
tert-Butylbenzene	+++++ 3.0016	2.9048 3.0432	2.6601	3.2771	2.8990	Ave		2.9643				6.8		15.0			
1,2,4-Trimethylbenzene	+++++ 3.2867	3.1779 3.3990	2.9581	3.6188	3.1301	Ave		3.2618				7.0		15.0			
sec-Butylbenzene	+++++ 0.9381	0.8554 0.9396	0.8218	1.0370	0.8927	Ave		0.9141				8.3		15.0			
4-Isopropyltoluene	+++++ 3.8983	3.6773 3.9027	3.3656	4.1995	3.6142	Ave		3.7763				7.6		15.0			
1,3-Dichlorobenzene	+++++ 1.8700	1.8910 1.8875	1.7600	2.0171	1.7738	Ave		1.8666				5.0		15.0			
1,4-Dichlorobenzene	2.1790 1.7789	1.7912 1.7738	1.6262	1.9363	1.6887	Ave		1.8249				10.0		15.0			
n-Butylbenzene	+++++ 3.9317	3.9826 3.9162	3.5772	4.3239	3.6707	Ave		3.9004				6.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30282-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	+++++ 1.4437	1.4329 1.4552	1.3129	1.5697	1.3620	Ave		1.4294				6.2		15.0			
Naphthalene	+++++ 0.9993	0.9257 1.0134	0.8148	1.0076	0.9250	Ave		0.9476				8.1		15.0			
1,2,4-Trichlorobenzene	+++++ 1.0544	1.1130 1.0635	0.8897	1.0742	0.9728	Ave		1.0279				8.0		15.0			
Hexachlorobutadiene	1.1716 0.9616	0.9996 0.9351	0.8515	1.0203	0.8702	Ave		0.9728				11.0		15.0			
1,2,3-Trichlorobenzene	+++++ 0.7783	0.7770 0.7847	0.7115	0.8103	0.7401	Ave		0.7670				4.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30282-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-124226/3	RR6388.D
Level 2	IC 280-124226/4	RR6389.D
Level 3	IC 280-124226/5	RR6390.D
Level 4	IC 280-124226/6	RR6391.D
Level 5	IC 280-124226/7	RR6392.D
Level 6	IC 280-124226/8	RR6393.D
Level 7	IC 280-124226/9	RR6394.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloroethene, Total	FB	Ave	+++++ 1876476	62803 4057069	111075	317955	601701	+++++ 60.0	2.00 120	4.00	10.0	20.0
Xylenes, Total	CBZ	Ave	+++++ 4233844	114808 9368163	231307	692589	1318478	+++++ 90.0	3.00 180	6.00	15.0	30.0
Ethanol	FB	Ave	+++++ 104745	+++++ 235730	5696	18469	36228	+++++ 1500	+++++ 3000	100	250	500
Dichlorodifluoromethane	FB	Ave	+++++ 969592	27244 1913520	55682	167730	319515	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloromethane	FB	Ave	+++++ 777372	27960 1644300	47781	138774	259867	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 883176	25635 1809301	51093	154436	294376	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromomethane	FB	Ave	+++++ 782617	27125 1655442	49018	137682	270270	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroethane	FB	Ave	+++++ 530103	20351 1110468	33724	94606	179954	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 1541013	39125 3106492	90681	261061	497723	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acrolein	FB	Ave	+++++ 357758	+++++ 770894	20141	55657	113878	+++++ 300	+++++ 600	20.0	50.0	100
Acetone	FB	Lin	+++++ 257466	17086 522936	22970	52072	87133	+++++ 120	4.00 240	8.00	20.0	40.0
1,1-Dichloroethene	FB	Ave	+++++ 874743	31745 1877764	54248	153566	295287	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Iodomethane	FB	Ave	+++++ 1829151	62743 4085287	108107	313107	597109	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acetonitrile	FB	Ave	+++++ 211668	8241 458541	15877	42175	76318	+++++ 300	10.0 600	20.0	50.0	100
2-Butanone (MEK)	FB	Ave	+++++ 393752	12774 823447	22221	61056	121857	+++++ 120	4.00 240	8.00	20.0	40.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30282-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Methyl-2-propanol	FB	Ave	+++++ 329867	10216 733287	19150	55676	107088	+++++ 600	20.0 1200	40.0	100	200
Methylene Chloride	FB	Lin	+++++ 733686	32336 1554552	51204	135972	244805	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dioxane	FB	Ave	+++++ 99904	+++++ 210678	4917	15860	30176	+++++ 1500	+++++ 3000	100	250	500
Acrylonitrile	FB	Ave	+++++ 739916	23472 1536241	42329	125272	237416	+++++ 300	10.0 600	20.0	50.0	100
trans-1,2-Dichloroethene	FB	Ave	+++++ 963142	33613 2064700	58238	165680	313903	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Isopropyl ether	FB	Ave	+++++ 2281827	67707 5091301	126447	368483	720939	+++++ 150	5.00 300	10.0	25.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 1618005	52845 3499530	97150	275830	522606	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 1610782	50145 3404770	88541	263779	498874	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 913334	29190 1992369	52837	152275	287798	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Propionitrile	FB	Ave	+++++ 261936	+++++ 565986	14654	43786	85062	+++++ 300	+++++ 600	20.0	50.0	100
2,2-Dichloropropane	FB	Ave	+++++ 1278653	44217 2760959	78431	220883	419761	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Methacrylonitrile	FB	Ave	+++++ 1421494	43667 3030913	81762	241598	451726	+++++ 300	10.0 600	20.0	50.0	100
Chlorobromomethane	FB	Ave	+++++ 351070	10787 761765	19604	57272	110200	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroform	FB	Ave	18171 1583967	51541 3448295	90512	261677	495511	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Isobutyl alcohol	FB	Ave	+++++ 115790	3565 251476	6444	18829	37215	+++++ 600	20.0 1200	40.0	100	200
1,1,1-Trichloroethane	FB	Ave	+++++ 1512290	48119 3281463	84940	248817	479120	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 1373881	44415 2899163	77089	224178	429396	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 1420630	45366 3038969	81358	235771	450016	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichloroethane	FB	Ave	7936 708403	21672 1511106	39643	114137	223306	0.500 30.0	1.00 60.0	2.00	5.00	10.0
Benzene	FB	Ave	35715 3141757	101178 6745735	176931	507892	967058	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Trichloroethene	FB	Ave	+++++ 991787	30532 2127679	54326	161844	300035	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30282-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloropropane	FB	Ave	+++++ 694574	22149 1495870	38283	114669	218163	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dibromomethane	FB	Ave	+++++ 331594	10485 714016	18472	53804	104481	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dichlorobromomethane	FB	Ave	9779 921244	26994 1989941	50970	147167	285737	0.300 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	10176 937879	26732 2045848	49213	147786	283823	0.300 30.0	1.00 60.0	2.00	5.00	10.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	+++++ 886461	25356 1877122	48086	142159	282047	+++++ 120	4.00 240	8.00	20.0	40.0
Toluene	FB	Ave	+++++ 3230723	94708 7062780	183738	541709	1031955	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
trans-1,3-Dichloropropene	FB	Ave	+++++ 694543	18805 1482375	37003	107766	212539	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,2-Trichloroethane	FB	Ave	+++++ 338681	10072 737265	19895	56756	106401	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Hexanone	CBZ	Ave	+++++ 587901	17906 1238894	31766	96918	191078	+++++ 120	4.00 240	8.00	20.0	40.0
1,3-Dichloropropane	CBZ	Ave	7344 606627	17578 1305219	33038	100083	195065	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Tetrachloroethene	CBZ	Ave	+++++ 920319	26592 2000513	50108	147458	286783	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorodibromomethane	CBZ	Ave	5760 557985	15582 1223273	30670	89221	174428	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylene Dibromide	CBZ	Ave	+++++ 374886	10506 815744	21457	62243	118028	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 91077	2521 193520	4968	14582	28405	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1-Chlorohexane	CBZ	Ave	+++++ 1329385	36554 2815227	74908	223604	423079	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorobenzene	CBZ	Ave	24457 2028987	58189 4485069	116655	338730	649530	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 1179831	32323 2593746	64648	197590	373941	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	7216 715019	20456 1607419	38086	113682	218470	0.300 30.0	1.00 60.0	2.00	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	+++++ 2930423	78169 6456936	160449	478103	907786	+++++ 60.0	2.00 120	4.00	10.0	20.0
o-Xylene	CBZ	Ave	+++++ 1303421	36639 2911227	70858	214486	410692	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Styrene	CBZ	Ave	+++++ 1972668	47585 4501646	101139	314431	611115	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30282-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromoform	CBZ	Ave	+++++ 317999	8959 697345	17091	52208	97921	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Isopropylbenzene	DCB	Ave	+++++ 3904794	108169 8521869	208984	643097	1214101	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Cyclohexanone	CBZ	Ave	+++++ 310036	9319 648328	16548	48438	94686	+++++ 1200	40.0 2400	80.0	200	400
1,1,2,2-Tetrachloroethane	DCB	Lin1	4503 352180	10573 752032	19707	58527	112566	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Bromobenzene	DCB	Ave	+++++ 909471	24989 2060966	46999	143447	275687	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
N-Propylbenzene	DCB	Ave	+++++ 1057544	29664 2356619	57172	173244	335024	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 3193116	84663 7096193	162604	499040	959611	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Chlorotoluene	DCB	Ave	+++++ 928221	26511 2064231	49565	150821	284641	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Chlorotoluene	DCB	Ave	+++++ 875452	24920 1928388	48799	143374	272541	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 59651	+++++ 131507	3120	9020	18468	+++++ 30.0	+++++ 60.0	2.00	5.00	10.0
tert-Butylbenzene	DCB	Ave	+++++ 2758088	79036 6041554	144110	444852	864300	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 3019990	86467 6748010	160252	491228	933196	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
sec-Butylbenzene	DCB	Ave	+++++ 862018	23275 1865257	44523	140764	266157	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Isopropyltoluene	DCB	Ave	+++++ 3582028	100055 7747914	182332	570066	1077544	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 1718306	51451 3747144	95345	273807	528843	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	16973 1634592	48736 3521412	88099	262849	503454	0.300 30.0	1.00 60.0	2.00	5.00	10.0
n-Butylbenzene	DCB	Ave	+++++ 3612731	108362 7774732	193792	586947	1094377	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 1326574	38988 2889015	71123	213082	406080	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Naphthalene	DCB	Ave	+++++ 918216	25188 2011769	44143	136778	275771	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 968879	30282 2111392	48198	145822	290025	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Hexachlorobutadiene	DCB	Ave	9126 883618	27199 1856369	46128	138497	259455	0.300 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30282-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 715189	21142 1557829	38545	110001	220652	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6388.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 07:37
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 0.3 1.5uL 10x LOT:DF700
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.559	8.559	(1.000)	1078825	12.5000	
*	88 Chlorobenzene-d5	119	11.428	11.428	(1.000)	228488	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.042	14.042	(1.000)	324560	12.5000	
M	2 1,2-Dichloroethene (total)	96				22957	0.60000	0.766838(a)
M	1 Trihalomethanes (total)	100				37600	1.20000	1.42702
M	4 1,3-Dichloropropene (total)	100				17509	0.60000	0.709969(a)
M	3 Xylene (total)	106				46053	0.90000	1.06647
	7 dichlorodifluoromethane	85	4.447	4.447	(0.520)	8914	0.30000	0.299511(aQ)
	9 Chloromethane	50	4.693	4.693	(0.548)	10206	0.30000	0.398292(a)
	10 Vinyl Chloride	62	4.871	4.871	(0.569)	9638	0.30000	0.349891(a)
	12 Bromomethane	94	5.275	5.275	(0.616)	14088	0.30000	0.546646(a)
	13 Chloroethane	64	5.334	5.334	(0.623)	7614	0.30000	0.427646(a)
	15 Trichlorofluoromethane	101	5.650	5.650	(0.660)	16339	0.30000	0.350683(a)
	16 Ethanol	45	Compound Not Detected.					
	22 Acrolein	56	5.965	5.965	(0.697)	2465	3.00000	2.24863(a)
	24 Acetone	43	6.084	6.084	(0.711)	11501	1.20000	-0.741963(a)
	25 1,1-Dichloroethene	96	6.103	6.103	(0.713)	10624	0.30000	0.367062(a)
	26 Iodomethane	142	6.301	6.301	(0.736)	22009	0.30000	0.371607(a)
	28 Acetonitrile	41	6.340	6.340	(0.741)	3620	3.00000	4.76581(a)
	31 tert-Butyl alcohol	59	6.449	6.449	(0.753)	1941	6.00000	3.72484(a)
	32 Methylene Chloride	84	6.498	6.498	(0.759)	15163	0.30000	-0.124289(a)
	33 Acrylonitrile	53	6.685	6.685	(0.781)	8422	3.00000	3.64123(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.744	6.744	(0.788)	11797	0.30000	0.377966(a)
38 Isopropyl ether	87	7.030	7.030	(0.821)	23095	1.50000	1.64428(aQ)
39 1,1-Dichloroethane	63	7.099	7.099	(0.829)	19946	0.30000	0.385961(a)
40 Chloroprene	53	7.168	7.168	(0.838)	18557	0.30000	0.375434(a)
43 2-Butanone	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	7.583	7.583	(0.886)	11160	0.30000	0.388872(a)
46 Propionitrile	54	7.602	7.602	(0.888)	2442	3.00000	2.98541(aQ)
47 2,2-Dichloropropane	77	7.612	7.612	(0.889)	16094	0.30000	0.386953(a)
48 Methacrylonitrile	41	7.731	7.731	(0.903)	15925	3.00000	3.58794(a)
49 Bromochloromethane	128	7.800	7.800	(0.911)	3896	0.30000	0.359486(a)
50 Chloroform	83	7.809	7.809	(0.912)	18171	0.30000	0.354713(a)
54 1,1,1-Trichloroethane	97	8.046	8.046	(0.940)	17233	0.30000	0.365510(a)
53 Isobutanol	41	8.026	8.026	(0.938)	1362	6.00000	7.59605(aQ)
56 1,1-Dichloropropene	75	8.155	8.155	(0.953)	16377	0.30000	0.384511(a)
57 Carbon Tetrachloride	117	8.194	8.194	(0.957)	16484	0.30000	0.371099(a)
60 1,2-Dichloroethane	62	8.352	8.352	(0.976)	7936	0.50000	0.379306(a)
61 Benzene	78	8.362	8.362	(0.977)	35715	0.30000	0.355822(a)
63 n-Butanol	56	8.559	8.559	(1.000)	12112	9.00000	29.1906(aQ)
64 Trichloroethene	95	8.874	8.874	(1.037)	11929	0.30000	0.393688(a)
68 1,2-Dichloropropane	63	9.091	9.091	(1.062)	8301	0.30000	0.385077(a)
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	9.220	9.220	(1.077)	3470	0.30000	0.338026(a)
71 Bromodichloromethane	83	9.289	9.289	(1.085)	9779	0.30000	0.341306(a)
74 cis-1,3-Dichloropropene	75	9.673	9.673	(1.130)	10176	0.30000	0.352696(aQ)
75 4-Methyl-2-pentanone	43	9.742	9.742	(1.138)	10237	1.20000	1.52825(a)
77 Toluene	91	10.018	10.018	(1.171)	37607	0.30000	0.375414(a)
79 trans-1,3-Dichloropropene	75	10.156	10.156	(1.187)	7333	0.30000	0.357273(a)
80 1,1,2-Trichloroethane	97	10.354	10.354	(1.210)	3811	0.30000	0.361463(a)
81 2-Hexanone	43	10.511	10.511	(0.920)	6550	1.20000	1.43084(a)
82 1,3-Dichloropropane	76	10.541	10.541	(0.922)	7344	0.30000	0.374701(a)
83 Tetrachloroethene	164	10.561	10.561	(0.924)	11376	0.30000	0.402850(a)
84 Dibromochloromethane	129	10.807	10.807	(0.946)	5760	0.30000	0.331450(a)
86 1,2-Dibromoethane	107	10.985	10.985	(0.961)	4410	0.30000	0.379251(a)
87 1-Chlorohexane	91	11.290	11.290	(0.988)	14768	0.30000	0.360237(aQ)
89 Chlorobenzene	112	11.468	11.468	(1.003)	24457	0.30000	0.369570(a)
90 1,1,1,2-Tetrachloroethane	131	11.517	11.517	(1.008)	7216	0.30000	0.325465(a)
91 Ethylbenzene	106	11.507	11.507	(1.007)	13678	0.30000	0.375999(a)
92 m and p-Xylene	106	11.626	11.626	(1.017)	31978	0.60000	0.716773
93 o-Xylene	106	12.129	12.129	(1.061)	14075	0.30000	0.349699(a)
94 Styrene	104	12.129	12.129	(1.061)	18222	0.30000	0.310520(a)
95 Bromoform	173	12.434	12.434	(1.088)	3890	0.30000	0.399550(a)
96 isopropyl benzene	105	12.513	12.513	(0.891)	41709	0.30000	0.382694(a)
98 Cyclohexanone	55	12.730	12.730	(1.114)	4220	12.0000	17.9253(a)
100 1,1,2,2-Tetrachloroethane	83	12.819	12.819	(0.913)	4503	0.30000	0.334081(a)
102 1,2,3-Trichloropropane	110	Compound Not Detected.					
103 Bromobenzene	156	12.957	12.957	(0.923)	9337	0.30000	0.372303(a)
104 n-Propylbenzene	120	12.957	12.957	(0.923)	11196	0.30000	0.375854(a)
106 2-Chlorotoluene	126	13.125	13.125	(0.935)	9406	0.30000	0.361957(a)
105 1,3,5-Trimethylbenzene	105	13.115	13.115	(0.934)	30875	0.30000	0.355709(a)
107 4-Chlorotoluene	126	13.233	13.233	(0.942)	8831	0.30000	0.357319(a)
108 tert-Butylbenzene	119	13.519	13.519	(0.963)	27711	0.30000	0.360034(a)
109 1,2,4-Trimethylbenzene	105	13.559	13.559	(0.966)	30353	0.30000	0.358398(a)
110 sec-Butylbenzene	134	13.766	13.766	(0.980)	8431	0.30000	0.355218(a)
111 4-Isopropyltoluene	119	13.894	13.894	(0.989)	34216	0.30000	0.348962(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
112	1,3-Dichlorobenzene	146	13.983	13.983	(0.996)	18464	0.30000	0.380978(a)
114	1,4-dichlorobenzene	146	14.071	14.071	(1.002)	16973	0.30000	0.358213(a)
116	n-Butylbenzene	91	14.397	14.397	(1.025)	37045	0.30000	0.365794(a)
117	1,2-Dichlorobenzene	146	14.555	14.555	(1.037)	14325	0.30000	0.385968(a)
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	16.783	16.783	(1.195)	9586	0.30000	0.359158(a)
121	Hexachlorobutadiene	225	16.980	16.980	(1.209)	9126	0.30000	0.361285(a)
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	17.651	17.651	(1.257)	7161	0.30000	0.359577(a)

QC Flag Legend

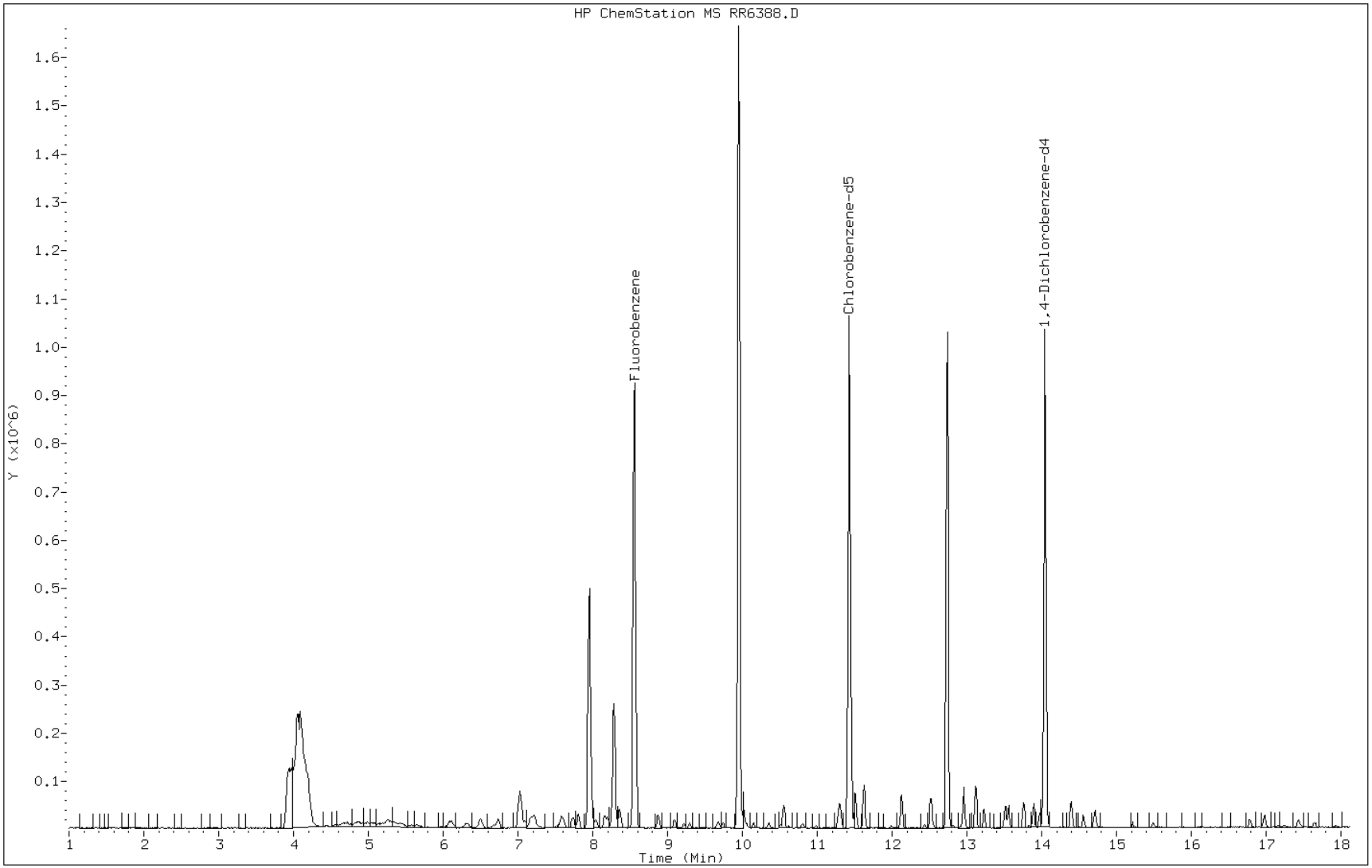
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6388.D

Date: 15-JUN-2012 07:37

Client ID: Instrument: R2.i

Sample Info: IC,,M 0.3 1.5uL 10x LOT:DF700 Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6389.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 08:00
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 1.0 5uL 10x
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 15-JUN-2012 07:37 Cal File: RR6388.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.559	8.559	(1.000)	1073380	12.5000	
*	88 Chlorobenzene-d5	119	11.429	11.429	(1.000)	209925	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.042	14.042	(1.000)	340107	12.5000	
M	2 1,2-Dichloroethene (total)	96				62803	2.00000	2.10468
M	1 Trihalomethanes (total)	100				103076	4.00000	3.93565
M	4 1,3-Dichloropropene (total)	100				45537	2.00000	1.85207
M	3 Xylene (total)	106				114808	3.00000	2.89786
	7 dichlorodifluoromethane	85	4.467	4.467	(0.522)	27244	1.00000	0.920045(aQ)
	9 Chloromethane	50	4.704	4.704	(0.550)	27960	1.00000	1.09668(a)
	10 Vinyl Chloride	62	4.871	4.871	(0.569)	25635	1.00000	0.935356(a)
	12 Bromomethane	94	5.276	5.276	(0.616)	27125	1.00000	1.05785(a)
	13 Chloroethane	64	5.335	5.335	(0.623)	20351	1.00000	1.14883(a)
	15 Trichlorofluoromethane	101	5.660	5.660	(0.661)	39125	1.00000	0.843997(a)
	16 Ethanol	45	Compound Not Detected.					
	22 Acrolein	56	5.976	5.976	(0.698)	10661	10.0000	9.77456(a)
	24 Acetone	43	6.084	6.084	(0.711)	17086	4.00000	2.38629(a)
	25 1,1-Dichloroethene	96	6.104	6.104	(0.713)	31745	1.00000	1.10236
	26 Iodomethane	142	6.301	6.301	(0.736)	62743	1.00000	1.06475
	28 Acetonitrile	41	6.380	6.380	(0.745)	8241	10.0000	10.9045(a)
	31 tert-Butyl alcohol	59	6.449	6.449	(0.753)	10216	20.0000	19.7042(a)
	32 Methylene Chloride	84	6.498	6.498	(0.759)	32336	1.00000	0.671940(a)
	33 Acrylonitrile	53	6.686	6.686	(0.781)	23472	10.0000	10.1995(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.735	6.735	(0.787)	33613	1.00000	1.08239
38 Isopropyl ether	87	7.031	7.031	(0.821)	67707	5.00000	4.84493(a)
39 1,1-Dichloroethane	63	7.100	7.100	(0.829)	52845	1.00000	1.02775
40 Chloroprene	53	7.169	7.169	(0.838)	50145	1.00000	1.01965
43 2-Butanone	43	7.524	7.524	(0.879)	12774	4.00000	4.25216(a)
45 cis-1,2-Dichloroethene	96	7.583	7.583	(0.886)	29190	1.00000	1.02229
46 Propionitrile	54	7.593	7.593	(0.887)	8430	10.0000	10.3582(Q)
47 2,2-Dichloropropane	77	7.613	7.613	(0.889)	44217	1.00000	1.06852(a)
48 Methacrylonitrile	41	7.731	7.731	(0.903)	43667	10.0000	9.88819(a)
49 Bromochloromethane	128	7.800	7.800	(0.911)	10787	1.00000	1.00037
50 Chloroform	83	7.810	7.810	(0.912)	51541	1.00000	1.01123
54 1,1,1-Trichloroethane	97	8.047	8.047	(0.940)	48119	1.00000	1.02577
53 Isobutanol	41	8.017	8.017	(0.937)	3565	20.0000	19.9833(a)
56 1,1-Dichloropropene	75	8.155	8.155	(0.953)	44415	1.00000	1.04810
57 Carbon Tetrachloride	117	8.194	8.194	(0.957)	45366	1.00000	1.02649
60 1,2-Dichloroethane	62	8.352	8.352	(0.976)	21672	1.00000	1.04108
61 Benzene	78	8.362	8.362	(0.977)	101178	1.00000	1.01313
63 n-Butanol	56	8.549	8.549	(0.999)	13171	30.0000	36.7737(a)
64 Trichloroethene	95	8.875	8.875	(1.037)	30532	1.00000	1.01275
68 1,2-Dichloropropane	63	9.092	9.092	(1.062)	22149	1.00000	1.03269
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	9.220	9.220	(1.077)	10485	1.00000	1.02656
71 Bromodichloromethane	83	9.299	9.299	(1.086)	26994	1.00000	0.946921(a)
74 cis-1,3-Dichloropropene	75	9.674	9.674	(1.130)	26732	1.00000	0.931220(a)
75 4-Methyl-2-pentanone	43	9.743	9.743	(1.138)	25356	4.00000	3.80453(a)
77 Toluene	91	10.009	10.009	(1.169)	94708	1.00000	0.950225(a)
79 trans-1,3-Dichloropropene	75	10.147	10.147	(1.185)	18805	1.00000	0.920850(a)
80 1,1,2-Trichloroethane	97	10.364	10.364	(1.211)	10072	1.00000	0.960149(a)
81 2-Hexanone	43	10.502	10.502	(0.919)	17906	4.00000	4.25742(a)
82 1,3-Dichloropropane	76	10.541	10.541	(0.922)	17578	1.00000	0.976159(a)
83 Tetrachloroethene	164	10.561	10.561	(0.924)	26592	1.00000	1.02495
84 Dibromochloromethane	129	10.808	10.808	(0.946)	15582	1.00000	0.975929(a)
86 1,2-Dibromoethane	107	10.985	10.985	(0.961)	10506	1.00000	0.983387(a)
87 1-Chlorohexane	91	11.291	11.291	(0.988)	36554	1.00000	0.970512(aQ)
89 Chlorobenzene	112	11.459	11.459	(1.003)	58189	1.00000	0.957048(a)
90 1,1,1,2-Tetrachloroethane	131	11.508	11.508	(1.007)	20456	1.00000	1.00422
91 Ethylbenzene	106	11.508	11.508	(1.007)	32323	1.00000	0.967108(a)
92 m and p-Xylene	106	11.626	11.626	(1.017)	78169	2.00000	1.90706
93 o-Xylene	106	12.119	12.119	(1.060)	36639	1.00000	0.990806
94 Styrene	104	12.129	12.129	(1.061)	47585	1.00000	0.882598(a)
95 Bromoform	173	12.435	12.435	(1.088)	8959	1.00000	1.00157
96 isopropyl benzene	105	12.514	12.514	(0.891)	108169	1.00000	0.947119(a)
98 Cyclohexanone	55	12.711	12.711	(1.112)	9319	40.0000	43.0846
100 1,1,2,2-Tetrachloroethane	83	12.819	12.819	(0.913)	10573	1.00000	0.900203(a)
102 1,2,3-Trichloropropane	110	12.908	12.908	(0.919)	2521	1.00000	0.952499(aQ)
103 Bromobenzene	156	12.957	12.957	(0.923)	24989	1.00000	0.950862(a)
104 n-Propylbenzene	120	12.957	12.957	(0.923)	29664	1.00000	0.950309(a)
106 2-Chlorotoluene	126	13.125	13.125	(0.935)	26511	1.00000	0.973548(a)
105 1,3,5-Trimethylbenzene	105	13.115	13.115	(0.934)	84663	1.00000	0.930809(a)
107 4-Chlorotoluene	126	13.234	13.234	(0.942)	24920	1.00000	0.962218(a)
108 tert-Butylbenzene	119	13.510	13.510	(0.962)	79036	1.00000	0.979932(a)
109 1,2,4-Trimethylbenzene	105	13.559	13.559	(0.966)	86467	1.00000	0.974302(a)
110 sec-Butylbenzene	134	13.756	13.756	(0.980)	23275	1.00000	0.935806(a)
111 4-Isopropyltoluene	119	13.894	13.894	(0.989)	100055	1.00000	0.973794(a)

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
112 1,3-Dichlorobenzene	146	13.973	13.973	(0.995)	51451	1.00000	1.01309
114 1,4-dichlorobenzene	146	14.072	14.072	(1.002)	48736	1.00000	0.981550(a)
116 n-Butylbenzene	91	14.387	14.387	(1.025)	108362	1.00000	1.02109
117 1,2-Dichlorobenzene	146	14.555	14.555	(1.037)	38988	1.00000	1.00246
118 1,2-Dibromo-3-chloropropane	157	15.561	15.561	(1.108)	1355	1.00000	0.785141(aQ)
120 1,2,4-Trichlorobenzene	180	16.784	16.784	(1.195)	30282	1.00000	1.08271
121 Hexachlorobutadiene	225	16.981	16.981	(1.209)	27199	1.00000	1.02755
122 Naphthalene	128	17.237	17.237	(1.228)	25188	1.00000	0.976895(a)
123 1,2,3-Trichlorobenzene	180	17.651	17.651	(1.257)	21142	1.00000	1.01308

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6389.D

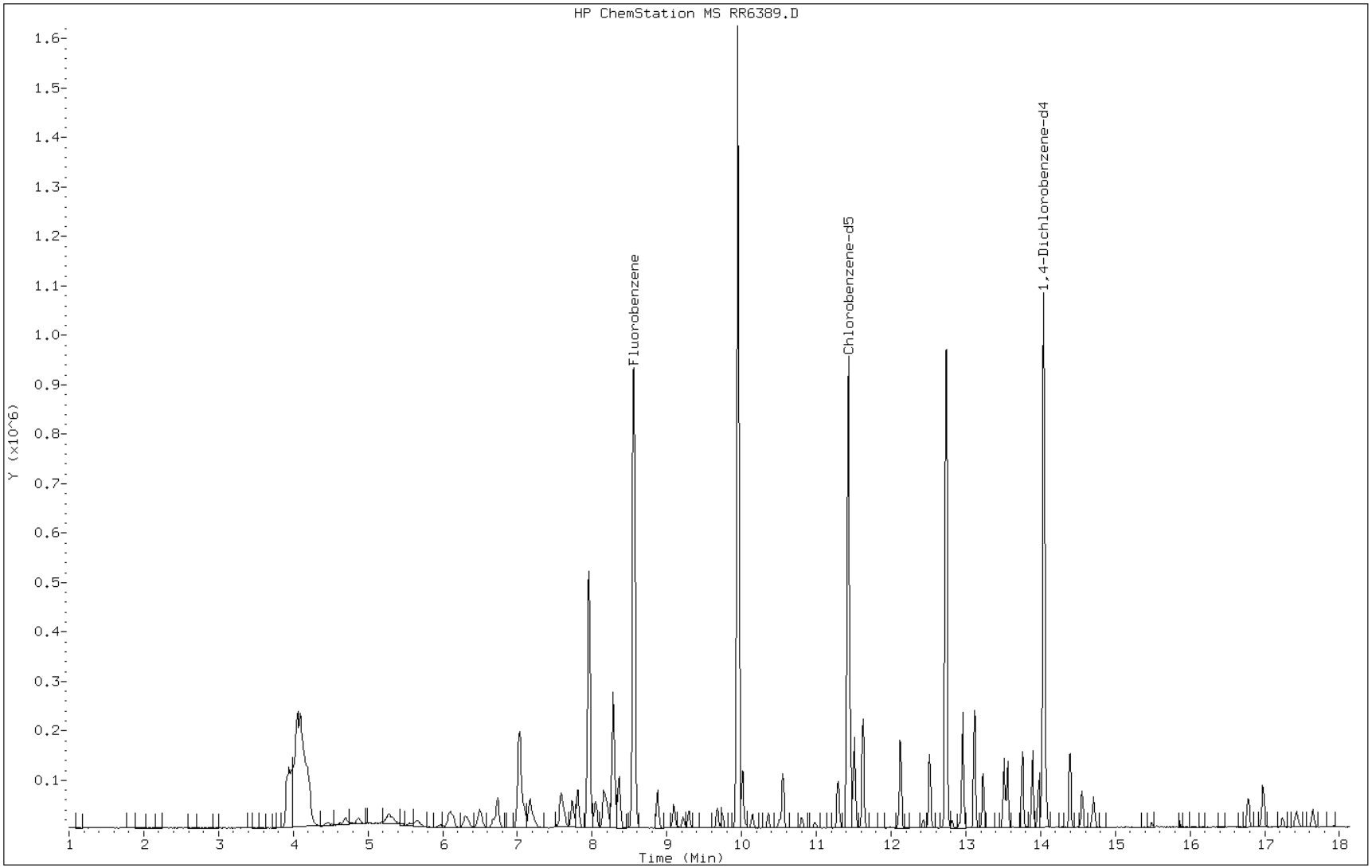
Date: 15-JUN-2012 08:00

Client ID:

Instrument: R2.i

Sample Info: IC,,M 1.0 5uL 10x

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6390.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 08:22
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 2.0 10uL 10x
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 07:32 Cal File: RR6354.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.560	8.560	(1.000)	1043719	12.5000	
*	88 Chlorobenzene-d5	119	11.430	11.430	(1.000)	224813	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.043	14.043	(1.000)	338590	12.5000	
M	2 1,2-Dichloroethene (total)	96				111075	4.00000	3.83170
M	1 Trihalomethanes (total)	100				189243	8.00000	7.24294
M	4 1,3-Dichloropropene (total)	100				86216	4.00000	3.62654
M	3 Xylene (total)	106				231307	6.00000	5.44446
	7 dichlorodifluoromethane	85	4.458	4.458	(0.521)	55682	2.00000	1.93385(a)
	9 Chloromethane	50	4.695	4.695	(0.548)	47781	2.00000	1.92739(a)
	10 Vinyl Chloride	62	4.862	4.862	(0.568)	51093	2.00000	1.91723
	12 Bromomethane	94	5.267	5.267	(0.615)	49018	2.00000	1.96598(a)
	13 Chloroethane	64	5.326	5.326	(0.622)	33724	2.00000	1.95784(a)
	15 Trichlorofluoromethane	101	5.651	5.651	(0.660)	90681	2.00000	2.01174
	16 Ethanol	45	5.661	5.661	(0.661)	5696	100.000	87.5377(aM)
	22 Acrolein	56	5.967	5.967	(0.697)	20141	20.0000	18.9911(a)
	24 Acetone	43	6.075	6.075	(0.710)	22970	8.00000	6.00998(a)
	25 1,1-Dichloroethene	96	6.095	6.095	(0.712)	54248	2.00000	1.93732
	26 Iodomethane	142	6.312	6.312	(0.737)	108107	2.00000	1.88671
	28 Acetonitrile	41	6.351	6.351	(0.742)	15877	20.0000	21.6055
	31 tert-Butyl alcohol	59	6.460	6.460	(0.755)	19150	40.0000	37.9855(a)
	32 Methylene Chloride	84	6.499	6.499	(0.759)	51204	2.00000	1.61005
	33 Acrylonitrile	53	6.687	6.687	(0.781)	42329	20.0000	18.9164(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.736	6.736	(0.787)	58238	2.00000	1.92865
38 Isopropyl ether	87	7.032	7.032	(0.821)	126447	10.0000	9.30535(a)
39 1,1-Dichloroethane	63	7.101	7.101	(0.830)	97150	2.00000	1.94311
40 Chloroprene	53	7.170	7.170	(0.838)	88541	2.00000	1.85156
43 2-Butanone	43	7.525	7.525	(0.879)	22221	8.00000	7.60705
45 cis-1,2-Dichloroethene	96	7.584	7.584	(0.886)	52837	2.00000	1.90304
46 Propionitrile	54	7.604	7.604	(0.888)	14654	20.0000	18.5175
47 2,2-Dichloropropane	77	7.614	7.614	(0.889)	78431	2.00000	1.94917(a)
48 Methacrylonitrile	41	7.732	7.732	(0.903)	81762	20.0000	19.0408
49 Bromochloromethane	128	7.811	7.811	(0.912)	19604	2.00000	1.86972
50 Chloroform	83	7.811	7.811	(0.912)	90512	2.00000	1.82630
54 1,1,1-Trichloroethane	97	8.048	8.048	(0.940)	84940	2.00000	1.86216
53 Isobutanol	41	8.038	8.038	(0.939)	6444	40.0000	37.1479(a)
56 1,1-Dichloropropene	75	8.156	8.156	(0.953)	77089	2.00000	1.87083
57 Carbon Tetrachloride	117	8.195	8.195	(0.957)	81358	2.00000	1.89319
60 1,2-Dichloroethane	62	8.353	8.353	(0.976)	39643	2.00000	1.95849
61 Benzene	78	8.363	8.363	(0.977)	176931	2.00000	1.82202
63 n-Butanol	56	8.590	8.590	(1.003)	17146	60.0000	66.9821(M)
64 Trichloroethene	95	8.876	8.876	(1.037)	54326	2.00000	1.85321
68 1,2-Dichloropropane	63	9.093	9.093	(1.062)	38283	2.00000	1.83565
69 1,4-Dioxane	88	9.152	9.152	(1.069)	4917	100.000	85.9280(a)
70 Dibromomethane	93	9.221	9.221	(1.077)	18472	2.00000	1.85995
71 Bromodichloromethane	83	9.300	9.300	(1.086)	50970	2.00000	1.83878
74 cis-1,3-Dichloropropene	75	9.675	9.675	(1.130)	49213	2.00000	1.76307
75 4-Methyl-2-pentanone	43	9.744	9.744	(1.138)	48086	8.00000	7.42008
77 Toluene	91	10.020	10.020	(1.170)	183738	2.00000	1.89587
79 trans-1,3-Dichloropropene	75	10.148	10.148	(1.185)	37003	2.00000	1.86347
80 1,1,2-Trichloroethane	97	10.365	10.365	(1.211)	19895	2.00000	1.95046
81 2-Hexanone	43	10.503	10.503	(0.919)	31766	8.00000	7.05266
82 1,3-Dichloropropane	76	10.542	10.542	(0.922)	33038	2.00000	1.71320
83 Tetrachloroethene	164	10.562	10.562	(0.924)	50108	2.00000	1.80344
84 Dibromochloromethane	129	10.809	10.809	(0.946)	30670	2.00000	1.79371
86 1,2-Dibromoethane	107	10.986	10.986	(0.961)	21457	2.00000	1.87542
87 1-Chlorohexane	91	11.292	11.292	(0.988)	74908	2.00000	1.85711
89 Chlorobenzene	112	11.469	11.469	(1.003)	116655	2.00000	1.79159
90 1,1,1,2-Tetrachloroethane	131	11.519	11.519	(1.008)	38086	2.00000	1.74588
91 Ethylbenzene	106	11.509	11.509	(1.007)	64648	2.00000	1.80618
92 m and p-Xylene	106	11.627	11.627	(1.017)	160449	4.00000	3.65518
93 o-Xylene	106	12.130	12.130	(1.061)	70858	2.00000	1.78927
94 Styrene	104	12.130	12.130	(1.061)	101139	2.00000	1.75168
95 Bromoform	173	12.436	12.436	(1.088)	17091	2.00000	1.78415
96 isopropyl benzene	105	12.515	12.515	(0.891)	208984	2.00000	1.83805
98 Cyclohexanone	55	12.712	12.712	(1.112)	16548	80.0000	71.4399
100 1,1,2,2-Tetrachloroethane	83	12.820	12.820	(0.913)	19707	2.00000	1.79202
102 1,2,3-Trichloropropane	110	12.919	12.919	(0.920)	4968	2.00000	1.88545
103 Bromobenzene	156	12.958	12.958	(0.923)	46999	2.00000	1.79638
104 n-Propylbenzene	120	12.958	12.958	(0.923)	57172	2.00000	1.83976
106 2-Chlorotoluene	126	13.126	13.126	(0.935)	49565	2.00000	1.82830
105 1,3,5-Trimethylbenzene	105	13.116	13.116	(0.934)	162604	2.00000	1.79572
107 4-Chlorotoluene	126	13.235	13.235	(0.942)	48799	2.00000	1.89268
108 tert-Butylbenzene	119	13.511	13.511	(0.962)	144110	2.00000	1.79476
109 1,2,4-Trimethylbenzene	105	13.560	13.560	(0.966)	160252	2.00000	1.81379
110 sec-Butylbenzene	134	13.767	13.767	(0.980)	44523	2.00000	1.79813
111 4-Isopropyltoluene	119	13.895	13.895	(0.989)	182332	2.00000	1.78251

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
112 1,3-Dichlorobenzene	146	13.974	13.974	(0.995)	95345	2.00000	1.88579
114 1,4-dichlorobenzene	146	14.073	14.073	(1.002)	88099	2.00000	1.78228
116 n-Butylbenzene	91	14.388	14.388	(1.025)	193792	2.00000	1.83427
117 1,2-Dichlorobenzene	146	14.556	14.556	(1.037)	71123	2.00000	1.83691
118 1,2-Dibromo-3-chloropropane	157	15.562	15.562	(1.108)	3120	2.00000	1.81595(aQ)
120 1,2,4-Trichlorobenzene	180	16.785	16.785	(1.195)	48198	2.00000	1.73100
121 Hexachlorobutadiene	225	16.982	16.982	(1.209)	46128	2.00000	1.75047
122 Naphthalene	128	17.238	17.238	(1.228)	44143	2.00000	1.71972
123 1,2,3-Trichlorobenzene	180	17.643	17.643	(1.256)	38545	2.00000	1.85527

QC Flag Legend

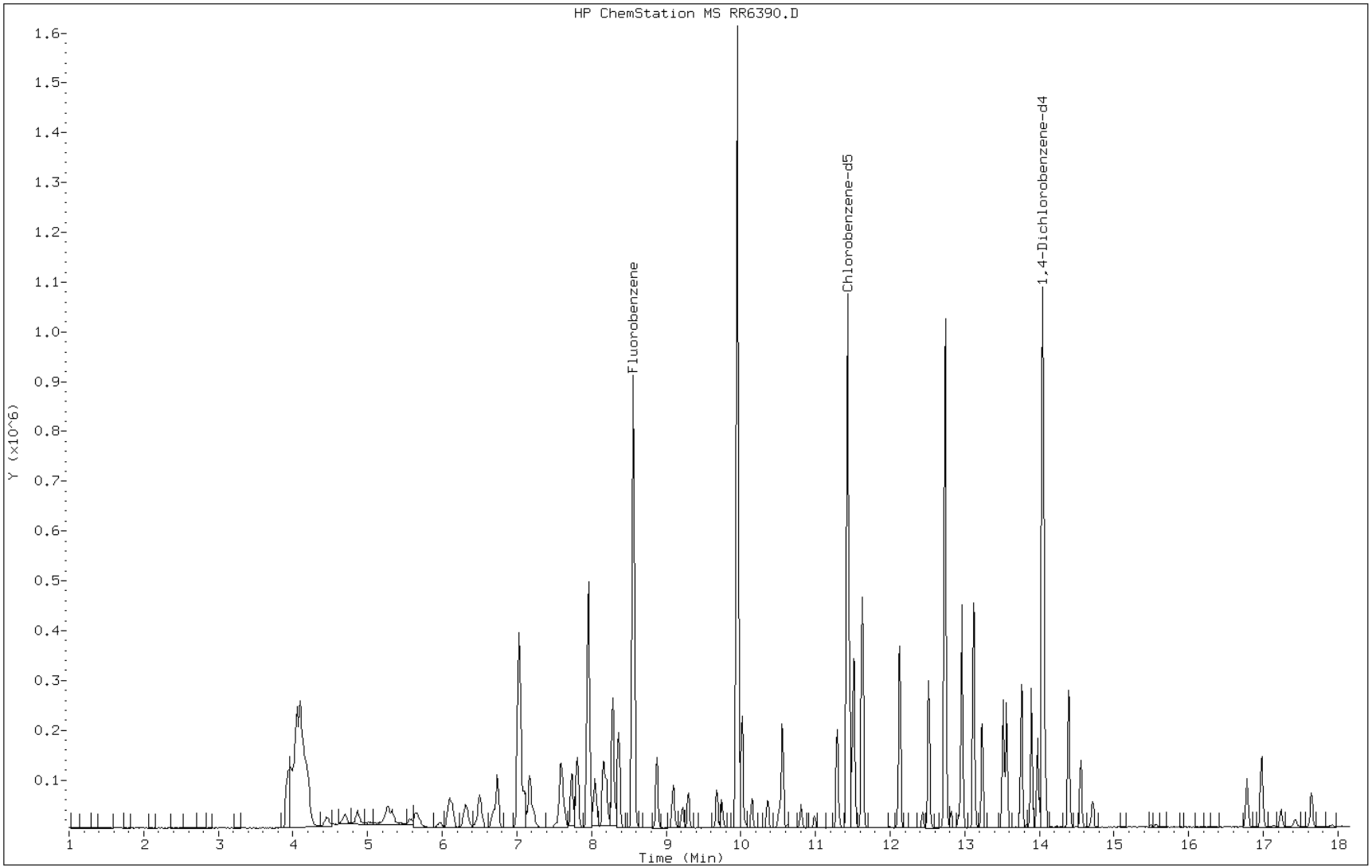
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: RR6390.D

Date: 15-JUN-2012 08:22

Client ID: Instrument: R2.i

Sample Info: IC,,M 2.0 10uL 10x Operator: DOBRANSKYM



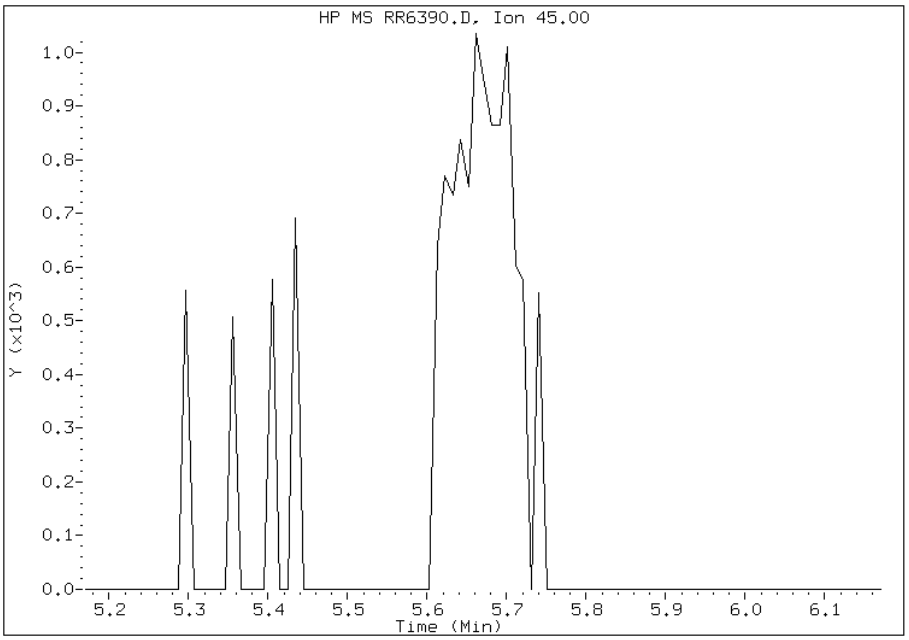
Manual Integration Report

Data File: RR6390.D
Inj. Date and Time: 15-JUN-2012 08:22
Instrument ID: R2.i
Client ID:
Compound: 16 Ethanol
CAS #: 64-17-5
Report Date: 06/15/2012

Processing Integration Results

Not Detected

Expected RT: 5.67



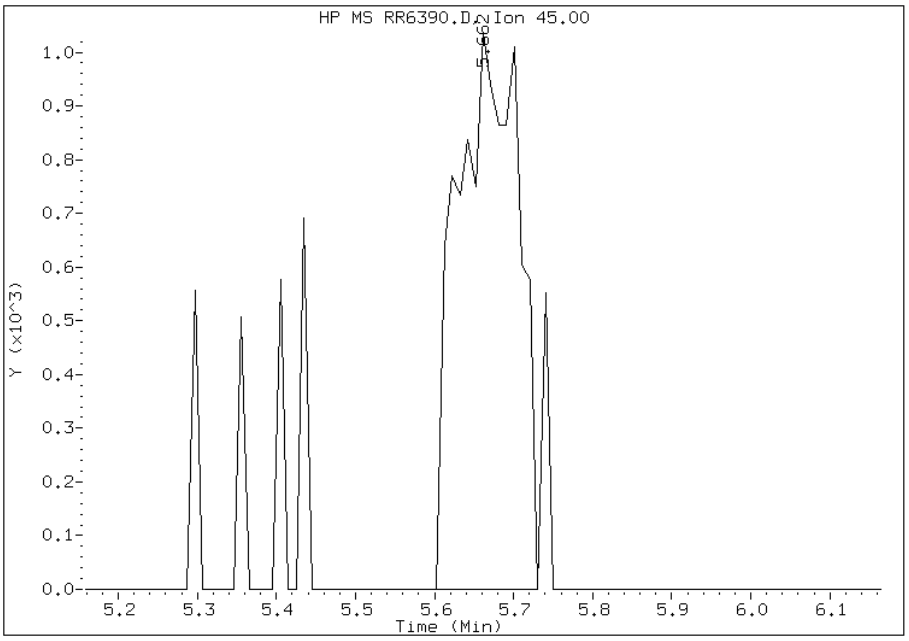
Manual Integration Results

RT: 5.66

Response: 5696

Amount: 88

Conc: 88



Manually Integrated By: dobranskym
Manual Integration Reason: Analyte not Identified by the Data System

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6391.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 08:45
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 5.0 2.5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 07:54 Cal File: RR6355.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.565	8.565	(1.000)	1034367	12.5000	
*	88 Chlorobenzene-d5	119	11.434	11.434	(1.000)	221831	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.047	14.047	(1.000)	339363	12.5000	
M	2 1,2-Dichloroethene (total)	96				317955	10.0000	11.0705
M	1 Trihalomethanes (total)	100				550273	20.0000	21.4964
M	4 1,3-Dichloropropene (total)	100				255552	10.0000	10.8185
M	3 Xylene (total)	106				692589	15.0000	16.5270
	7 dichlorodifluoromethane	85	4.462	4.462	(0.521)	167730	5.00000	5.87797
	9 Chloromethane	50	4.709	4.709	(0.550)	138774	5.00000	5.64847
	10 Vinyl Chloride	62	4.867	4.867	(0.568)	154436	5.00000	5.84751
	12 Bromomethane	94	5.271	5.271	(0.615)	137682	5.00000	5.57199
	13 Chloroethane	64	5.340	5.340	(0.624)	94606	5.00000	5.54200
	15 Trichlorofluoromethane	101	5.656	5.656	(0.660)	261061	5.00000	5.84396
	16 Ethanol	45	5.646	5.646	(0.659)	18469	250.000	286.403
	22 Acrolein	56	5.971	5.971	(0.697)	55657	50.0000	52.9539
	24 Acetone	43	6.089	6.089	(0.711)	52072	20.0000	22.8697
	25 1,1-Dichloroethene	96	6.119	6.119	(0.714)	153566	5.00000	5.53378
	26 Iodomethane	142	6.316	6.316	(0.737)	313107	5.00000	5.51382
	28 Acetonitrile	41	6.356	6.356	(0.742)	42175	50.0000	57.9108
	31 tert-Butyl alcohol	59	6.454	6.454	(0.754)	55676	100.000	111.436
	32 Methylene Chloride	84	6.504	6.504	(0.759)	135972	5.00000	5.69245
	33 Acrylonitrile	53	6.691	6.691	(0.781)	125272	50.0000	56.4890

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.740	6.740	(0.787)	165680	5.00000	5.53639
38 Isopropyl ether	87	7.036	7.036	(0.822)	368483	25.0000	27.3622
39 1,1-Dichloroethane	63	7.105	7.105	(0.830)	275830	5.00000	5.56680
40 Chloroprene	53	7.174	7.174	(0.838)	263779	5.00000	5.56599
43 2-Butanone	43	7.529	7.529	(0.879)	61056	20.0000	21.0906
45 cis-1,2-Dichloroethene	96	7.578	7.578	(0.885)	152275	5.00000	5.53411
46 Propionitrile	54	7.608	7.608	(0.888)	43786	50.0000	55.8303
47 2,2-Dichloropropane	77	7.608	7.608	(0.888)	220883	5.00000	5.53902
48 Methacrylonitrile	41	7.736	7.736	(0.903)	241598	50.0000	56.7722
49 Bromochloromethane	128	7.805	7.805	(0.911)	57272	5.00000	5.51166
50 Chloroform	83	7.815	7.815	(0.912)	261677	5.00000	5.32771
54 1,1,1-Trichloroethane	97	8.052	8.052	(0.940)	248817	5.00000	5.50420
53 Isobutanol	41	8.032	8.032	(0.938)	18829	100.000	109.525(Q)
56 1,1-Dichloropropene	75	8.160	8.160	(0.953)	224178	5.00000	5.48963
57 Carbon Tetrachloride	117	8.200	8.200	(0.957)	235771	5.00000	5.53597
60 1,2-Dichloroethane	62	8.357	8.357	(0.976)	114137	5.00000	5.68972
61 Benzene	78	8.367	8.367	(0.977)	507892	5.00000	5.27753
63 n-Butanol	56	8.594	8.594	(1.003)	31248	150.000	167.129
64 Trichloroethene	95	8.880	8.880	(1.037)	161844	5.00000	5.57085
68 1,2-Dichloropropane	63	9.097	9.097	(1.062)	114669	5.00000	5.54804
69 1,4-Dioxane	88	9.156	9.156	(1.069)	15860	250.000	279.670
70 Dibromomethane	93	9.225	9.225	(1.077)	53804	5.00000	5.46652
71 Bromodichloromethane	83	9.294	9.294	(1.085)	147167	5.00000	5.35717
74 cis-1,3-Dichloropropene	75	9.679	9.679	(1.130)	147786	5.00000	5.34236
75 4-Methyl-2-pentanone	43	9.748	9.748	(1.138)	142159	20.0000	22.1347
77 Toluene	91	10.024	10.024	(1.170)	541709	5.00000	5.64007
79 trans-1,3-Dichloropropene	75	10.152	10.152	(1.185)	107766	5.00000	5.47616
80 1,1,2-Trichloroethane	97	10.359	10.359	(1.210)	56756	5.00000	5.61453
81 2-Hexanone	43	10.507	10.507	(0.919)	96918	20.0000	21.8069
82 1,3-Dichloropropane	76	10.547	10.547	(0.922)	100083	5.00000	5.25961
83 Tetrachloroethene	164	10.566	10.566	(0.924)	147458	5.00000	5.37853
84 Dibromochloromethane	129	10.813	10.813	(0.946)	89221	5.00000	5.28816
86 1,2-Dibromoethane	107	10.990	10.990	(0.961)	62243	5.00000	5.51340
87 1-Chlorohexane	91	11.296	11.296	(0.988)	223604	5.00000	5.61808
89 Chlorobenzene	112	11.464	11.464	(1.003)	338730	5.00000	5.27216
90 1,1,1,2-Tetrachloroethane	131	11.523	11.523	(1.008)	113682	5.00000	5.28130
91 Ethylbenzene	106	11.513	11.513	(1.007)	197590	5.00000	5.59462
92 m and p-Xylene	106	11.631	11.631	(1.017)	478103	10.0000	11.0381
93 o-Xylene	106	12.125	12.125	(1.060)	214486	5.00000	5.48891
94 Styrene	104	12.134	12.134	(1.061)	314431	5.00000	5.51900
95 Bromoform	173	12.440	12.440	(1.088)	52208	5.00000	5.52332
96 isopropyl benzene	105	12.519	12.519	(0.891)	643097	5.00000	5.64325
98 Cyclohexanone	55	12.716	12.716	(1.112)	48438	200.000	211.924
100 1,1,2,2-Tetrachloroethane	83	12.815	12.815	(0.912)	58527	5.00000	5.54986
102 1,2,3-Trichloropropane	110	12.923	12.923	(0.920)	14582	5.00000	5.52154(Q)
103 Bromobenzene	156	12.963	12.963	(0.923)	143447	5.00000	5.47030
104 n-Propylbenzene	120	12.963	12.963	(0.923)	173244	5.00000	5.56217
106 2-Chlorotoluene	126	13.130	13.130	(0.935)	150821	5.00000	5.55065
105 1,3,5-Trimethylbenzene	105	13.120	13.120	(0.934)	499040	5.00000	5.49862
107 4-Chlorotoluene	126	13.239	13.239	(0.942)	143374	5.00000	5.54813
108 tert-Butylbenzene	119	13.515	13.515	(0.962)	444852	5.00000	5.52761
109 1,2,4-Trimethylbenzene	105	13.564	13.564	(0.966)	491228	5.00000	5.54724
110 sec-Butylbenzene	134	13.761	13.761	(0.980)	140764	5.00000	5.67203
111 4-Isopropyltoluene	119	13.900	13.900	(0.989)	570066	5.00000	5.56038

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
112 1,3-Dichlorobenzene	146	13.978	13.978	(0.995)	273807	5.00000	5.40317
114 1,4-dichlorobenzene	146	14.077	14.077	(1.002)	262849	5.00000	5.30542
116 n-Butylbenzene	91	14.393	14.393	(1.025)	586947	5.00000	5.54288
117 1,2-Dichlorobenzene	146	14.560	14.560	(1.037)	213082	5.00000	5.49078
118 1,2-Dibromo-3-chloropropane	157	15.566	15.566	(1.108)	9020	5.00000	5.23800
120 1,2,4-Trichlorobenzene	180	16.779	16.779	(1.194)	145822	5.00000	5.22519
121 Hexachlorobutadiene	225	16.986	16.986	(1.209)	138497	5.00000	5.24373
122 Naphthalene	128	17.243	17.243	(1.227)	136778	5.00000	5.31645
123 1,2,3-Trichlorobenzene	180	17.657	17.657	(1.257)	110001	5.00000	5.28257

QC Flag Legend

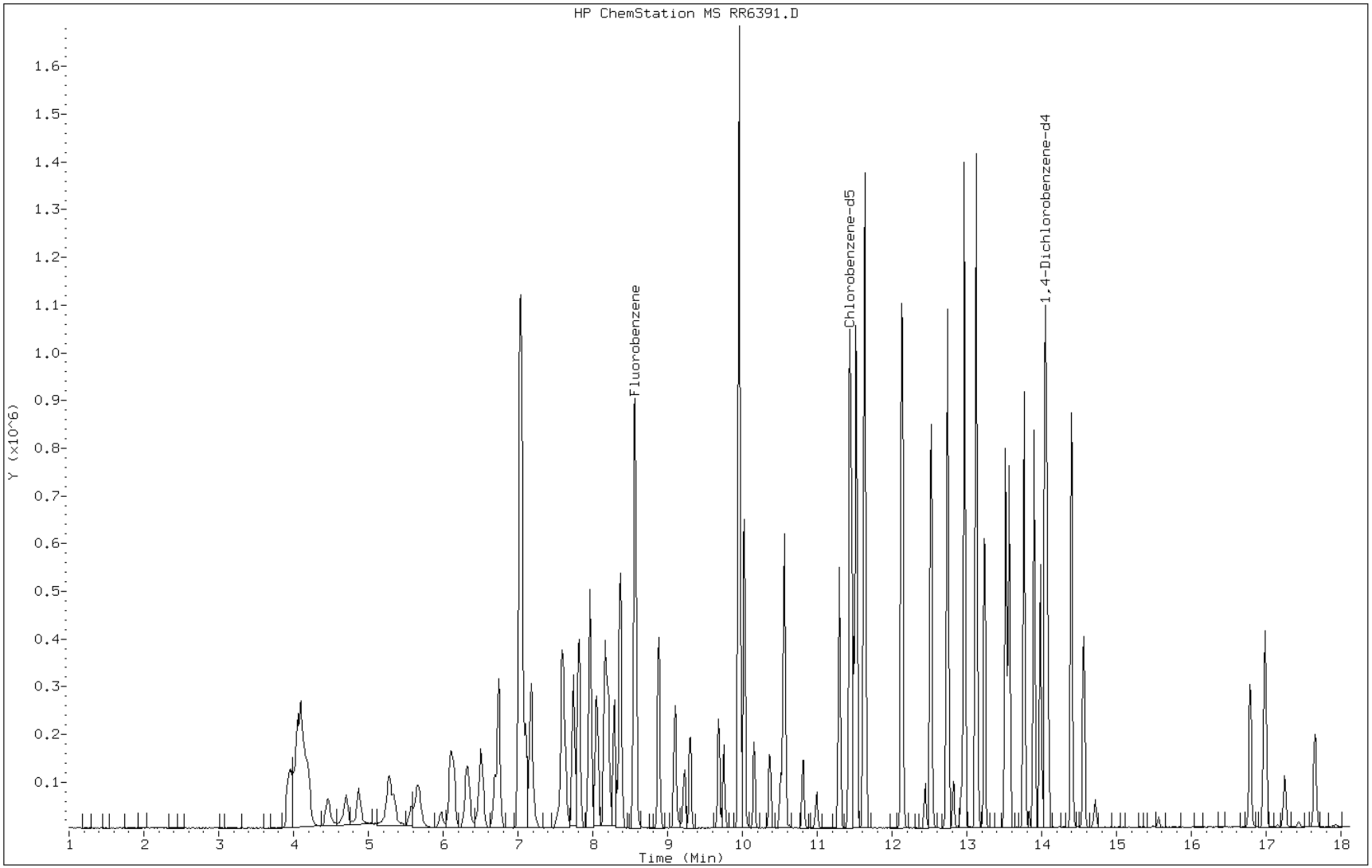
Q - Qualifier signal failed the ratio test.

Data File: RR6391.D

Date: 15-JUN-2012 08:45

Client ID: Instrument: R2.i

Sample Info: IC,,M 5.0 2.5uL Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6392.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 09:07
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 10 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 08:17 Cal File: RR6356.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.565	8.565	(1.000)	1131208	12.5000	
* 88	Chlorobenzene-d5	119	11.435	11.435	(1.000)	240660	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.048	14.048	(1.000)	372674	12.5000	
M 2	1,2-Dichloroethene (total)	96				601701	20.0000	19.1554
M 1	Trihalomethanes (total)	100				1053597	40.0000	37.8143
M 4	1,3-Dichloropropene (total)	100				496362	20.0000	19.2573
M 3	Xylene (total)	106				1318478	30.0000	29.0062
7	dichlorodifluoromethane	85	4.453	4.453	(0.520)	319515	10.0000	10.2386
9	Chloromethane	50	4.709	4.709	(0.550)	259867	10.0000	9.67177
10	Vinyl Chloride	62	4.877	4.877	(0.569)	294376	10.0000	10.1919
12	Bromomethane	94	5.281	5.281	(0.617)	270270	10.0000	10.0015
13	Chloroethane	64	5.350	5.350	(0.625)	179954	10.0000	9.63921
15	Trichlorofluoromethane	101	5.656	5.656	(0.660)	497723	10.0000	10.1879
16	Ethanol	45	5.656	5.656	(0.660)	36228	500.000	513.701
22	Acrolein	56	5.971	5.971	(0.697)	113878	100.000	99.0718
24	Acetone	43	6.080	6.080	(0.710)	87133	40.0000	38.7480
25	1,1-Dichloroethene	96	6.119	6.119	(0.714)	295287	10.0000	9.72980
26	Iodomethane	142	6.317	6.317	(0.738)	597109	10.0000	9.61492
28	Acetonitrile	41	6.366	6.366	(0.743)	76318	100.000	95.8217
31	tert-Butyl alcohol	59	6.464	6.464	(0.755)	107088	200.000	195.989(Q)
32	Methylene Chloride	84	6.504	6.504	(0.759)	244805	10.0000	9.90174
33	Acrylonitrile	53	6.691	6.691	(0.781)	237416	100.000	97.8930

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.741	6.741	(0.787)	313903	10.0000	9.59146
38 Isopropyl ether	87	7.036	7.036	(0.822)	720939	50.0000	48.9512
39 1,1-Dichloroethane	63	7.105	7.105	(0.830)	522606	10.0000	9.64430
40 Chloroprene	53	7.174	7.174	(0.838)	498874	10.0000	9.62554
43 2-Butanone	43	7.529	7.529	(0.879)	121857	40.0000	38.4897
45 cis-1,2-Dichloroethene	96	7.589	7.589	(0.886)	287798	10.0000	9.56398
46 Propionitrile	54	7.608	7.608	(0.888)	85062	100.000	99.1750
47 2,2-Dichloropropane	77	7.618	7.618	(0.889)	419761	10.0000	9.62510
48 Methacrylonitrile	41	7.737	7.737	(0.903)	451726	100.000	97.0620
49 Bromochloromethane	128	7.806	7.806	(0.911)	110200	10.0000	9.69736
50 Chloroform	83	7.815	7.815	(0.913)	495511	10.0000	9.22487
54 1,1,1-Trichloroethane	97	8.052	8.052	(0.940)	479120	10.0000	9.69150
53 Isobutanol	41	8.032	8.032	(0.938)	37215	200.000	197.942
56 1,1-Dichloropropene	75	8.161	8.161	(0.953)	429396	10.0000	9.61481
57 Carbon Tetrachloride	117	8.200	8.200	(0.957)	450016	10.0000	9.66193
60 1,2-Dichloroethane	62	8.358	8.358	(0.976)	223306	10.0000	10.1788
61 Benzene	78	8.368	8.368	(0.977)	967058	10.0000	9.18848
63 n-Butanol	56	8.594	8.594	(1.003)	51192	300.000	276.450
64 Trichloroethene	95	8.880	8.880	(1.037)	300035	10.0000	9.44342
68 1,2-Dichloropropane	63	9.097	9.097	(1.062)	218163	10.0000	9.65177
69 1,4-Dioxane	88	9.157	9.157	(1.069)	30176	500.000	486.561
70 Dibromomethane	93	9.226	9.226	(1.077)	104481	10.0000	9.70658
71 Bromodichloromethane	83	9.295	9.295	(1.085)	285737	10.0000	9.51095
74 cis-1,3-Dichloropropene	75	9.679	9.679	(1.130)	283823	10.0000	9.38165
75 4-Methyl-2-pentanone	43	9.748	9.748	(1.138)	282047	40.0000	40.1562
77 Toluene	91	10.024	10.024	(1.170)	1031955	10.0000	9.82453
79 trans-1,3-Dichloropropene	75	10.153	10.153	(1.185)	212539	10.0000	9.87564
80 1,1,2-Trichloroethane	97	10.370	10.370	(1.211)	106401	10.0000	9.62453
81 2-Hexanone	43	10.508	10.508	(0.919)	191078	40.0000	39.6295
82 1,3-Dichloropropane	76	10.547	10.547	(0.922)	195065	10.0000	9.44911
83 Tetrachloroethene	164	10.557	10.557	(0.923)	286783	10.0000	9.64199
84 Dibromochloromethane	129	10.813	10.813	(0.946)	174428	10.0000	9.52953
86 1,2-Dibromoethane	107	10.991	10.991	(0.961)	118028	10.0000	9.63679
87 1-Chlorohexane	91	11.296	11.296	(0.988)	423079	10.0000	9.79824
89 Chlorobenzene	112	11.464	11.464	(1.003)	649530	10.0000	9.31863
90 1,1,1,2-Tetrachloroethane	131	11.513	11.513	(1.007)	218470	10.0000	9.35533
91 Ethylbenzene	106	11.513	11.513	(1.007)	373941	10.0000	9.75948
92 m and p-Xylene	106	11.632	11.632	(1.017)	907786	20.0000	19.3185
93 o-Xylene	106	12.125	12.125	(1.060)	410692	10.0000	9.68772
94 Styrene	104	12.135	12.135	(1.061)	611115	10.0000	9.88726
95 Bromoform	173	12.440	12.440	(1.088)	97921	10.0000	9.54899
96 isopropyl benzene	105	12.519	12.519	(0.891)	1214101	10.0000	9.70160
98 Cyclohexanone	55	12.716	12.716	(1.112)	94686	400.000	381.855
100 1,1,2,2-Tetrachloroethane	83	12.815	12.815	(0.912)	112566	10.0000	9.81188
102 1,2,3-Trichloropropane	110	12.924	12.924	(0.920)	28405	10.0000	9.79429
103 Bromobenzene	156	12.963	12.963	(0.923)	275687	10.0000	9.57352
104 n-Propylbenzene	120	12.963	12.963	(0.923)	335024	10.0000	9.79484
106 2-Chlorotoluene	126	13.131	13.131	(0.935)	284641	10.0000	9.53927
105 1,3,5-Trimethylbenzene	105	13.121	13.121	(0.934)	959611	10.0000	9.62828
107 4-Chlorotoluene	126	13.229	13.229	(0.942)	272541	10.0000	9.60381
108 tert-Butylbenzene	119	13.515	13.515	(0.962)	864300	10.0000	9.77962
109 1,2,4-Trimethylbenzene	105	13.565	13.565	(0.966)	933196	10.0000	9.59627
110 sec-Butylbenzene	134	13.762	13.762	(0.980)	266157	10.0000	9.76608
111 4-Isopropyltoluene	119	13.900	13.900	(0.989)	1077544	10.0000	9.57084

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
112 1,3-Dichlorobenzene	146	13.979	13.979	(0.995)	528843	10.0000	9.50313
114 1,4-dichlorobenzene	146	14.077	14.077	(1.002)	503454	10.0000	9.25356
116 n-Butylbenzene	91	14.393	14.393	(1.025)	1094377	10.0000	9.41108
117 1,2-Dichlorobenzene	146	14.561	14.561	(1.037)	406080	10.0000	9.52871
118 1,2-Dibromo-3-chloropropane	157	15.566	15.566	(1.108)	18468	10.0000	9.76595
120 1,2,4-Trichlorobenzene	180	16.779	16.779	(1.194)	290025	10.0000	9.46346
121 Hexachlorobutadiene	225	16.986	16.986	(1.209)	259455	10.0000	8.94536
122 Naphthalene	128	17.243	17.243	(1.227)	275771	10.0000	9.76089
123 1,2,3-Trichlorobenzene	180	17.647	17.647	(1.256)	220652	10.0000	9.64921

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR6392.D

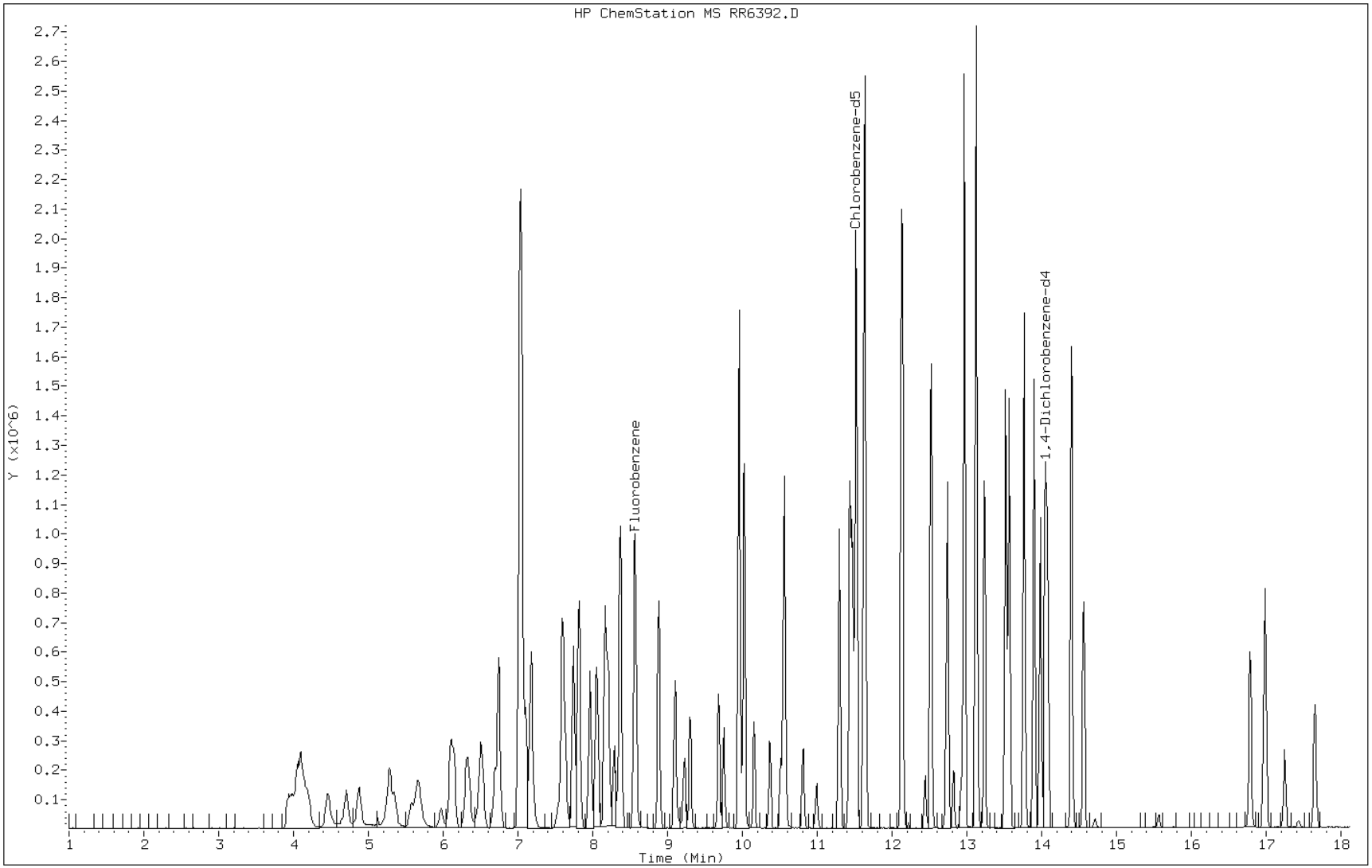
Date: 15-JUN-2012 09:07

Client ID:

Instrument: R2.i

Sample Info: IC,,M 10 5uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6393.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 09:30
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 30 15uL
Misc Info :
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Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 08:39 Cal File: RR6357.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.566	8.566	(1.000)	1167221	12.5000	
* 88	Chlorobenzene-d5	119	11.435	11.435	(1.000)	241307	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.048	14.048	(1.000)	382860	12.5000	
M 2	1,2-Dichloroethene (total)	96				1876476	60.0000	57.9364
M 1	Trihalomethanes (total)	100				3381195	120.000	119.627
M 4	1,3-Dichloropropene (total)	100				1632422	60.0000	61.3210
M 3	Xylene (total)	106				4233844	90.0000	92.8585
7	dichlorodifluoromethane	85	4.453	4.453	(0.520)	969592	30.0000	30.1112
9	Chloromethane	50	4.700	4.700	(0.549)	777372	30.0000	28.0397
10	Vinyl Chloride	62	4.877	4.877	(0.569)	883176	30.0000	29.6341
12	Bromomethane	94	5.282	5.282	(0.617)	782617	30.0000	28.0675
13	Chloroethane	64	5.351	5.351	(0.625)	530103	30.0000	27.5188
15	Trichlorofluoromethane	101	5.656	5.656	(0.660)	1541013	30.0000	30.5698
16	Ethanol	45	5.647	5.647	(0.659)	104745	1500.00	1439.42
22	Acrolein	56	5.972	5.972	(0.697)	357758	300.000	301.640
24	Acetone	43	6.090	6.090	(0.711)	257466	120.000	124.167
25	1,1-Dichloroethene	96	6.110	6.110	(0.713)	874743	30.0000	27.9338
26	Iodomethane	142	6.317	6.317	(0.738)	1829151	30.0000	28.5451
28	Acetonitrile	41	6.366	6.366	(0.743)	211668	300.000	257.562
31	tert-Butyl alcohol	59	6.465	6.465	(0.755)	329867	600.000	585.084
32	Methylene Chloride	84	6.505	6.505	(0.759)	733686	30.0000	30.3231
33	Acrylonitrile	53	6.692	6.692	(0.781)	739916	300.000	295.674

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.741	6.741	(0.787)	963142	30.0000	28.5213
38 Isopropyl ether	87	7.037	7.037	(0.822)	2281827	150.000	150.154
39 1,1-Dichloroethane	63	7.106	7.106	(0.830)	1618005	30.0000	28.9378
40 Chloroprene	53	7.175	7.175	(0.838)	1610782	30.0000	30.1204
43 2-Butanone	43	7.530	7.530	(0.879)	393752	120.000	120.533
45 cis-1,2-Dichloroethene	96	7.589	7.589	(0.886)	913334	30.0000	29.4151
46 Propionitrile	54	7.609	7.609	(0.888)	261936	300.000	295.972
47 2,2-Dichloropropane	77	7.619	7.619	(0.889)	1278653	30.0000	28.4148
48 Methacrylonitrile	41	7.737	7.737	(0.903)	1421494	300.000	296.012
49 Bromochloromethane	128	7.806	7.806	(0.911)	351070	30.0000	29.9402
50 Chloroform	83	7.816	7.816	(0.913)	1583967	30.0000	28.5787
54 1,1,1-Trichloroethane	97	8.053	8.053	(0.940)	1512290	30.0000	29.6463
53 Isobutanol	41	8.033	8.033	(0.938)	115790	600.000	596.870
56 1,1-Dichloropropene	75	8.161	8.161	(0.953)	1373881	30.0000	29.8141
57 Carbon Tetrachloride	117	8.201	8.201	(0.957)	1420630	30.0000	29.5601
60 1,2-Dichloroethane	62	8.349	8.349	(0.975)	708403	30.0000	31.2944
61 Benzene	78	8.368	8.368	(0.977)	3141757	30.0000	28.9303
63 n-Butanol	56	8.585	8.585	(1.002)	150176	900.000	882.527
64 Trichloroethene	95	8.881	8.881	(1.037)	991787	30.0000	30.2528
68 1,2-Dichloropropane	63	9.098	9.098	(1.062)	694574	30.0000	29.7806
69 1,4-Dioxane	88	9.157	9.157	(1.069)	99904	1500.00	1561.16
70 Dibromomethane	93	9.226	9.226	(1.077)	331594	30.0000	29.8555
71 Bromodichloromethane	83	9.295	9.295	(1.085)	921244	30.0000	29.7181
74 cis-1,3-Dichloropropene	75	9.680	9.680	(1.130)	937879	30.0000	30.0447
75 4-Methyl-2-pentanone	43	9.749	9.749	(1.138)	886461	120.000	122.315
77 Toluene	91	10.015	10.015	(1.169)	3230723	30.0000	29.8085
79 trans-1,3-Dichloropropene	75	10.153	10.153	(1.185)	694543	30.0000	31.2763
80 1,1,2-Trichloroethane	97	10.360	10.360	(1.210)	338681	30.0000	29.6902
81 2-Hexanone	43	10.508	10.508	(0.919)	587901	120.000	121.604
82 1,3-Dichloropropane	76	10.548	10.548	(0.922)	606627	30.0000	29.3067
83 Tetrachloroethene	164	10.558	10.558	(0.923)	920319	30.0000	30.8593
84 Dibromochloromethane	129	10.804	10.804	(0.945)	557985	30.0000	30.4027
86 1,2-Dibromoethane	107	10.991	10.991	(0.961)	374886	30.0000	30.5268
87 1-Chlorohexane	91	11.287	11.287	(0.987)	1329385	30.0000	30.7051
89 Chlorobenzene	112	11.465	11.465	(1.003)	2028987	30.0000	29.0313
90 1,1,1,2-Tetrachloroethane	131	11.514	11.514	(1.007)	715019	30.0000	30.5365
91 Ethylbenzene	106	11.514	11.514	(1.007)	1179831	30.0000	30.7098
92 m and p-Xylene	106	11.632	11.632	(1.017)	2930423	60.0000	62.1948
93 o-Xylene	106	12.125	12.125	(1.060)	1303421	30.0000	30.6637
94 Styrene	104	12.135	12.135	(1.061)	1972668	30.0000	31.8303
95 Bromoform	173	12.441	12.441	(1.088)	317999	30.0000	30.9272
96 isopropyl benzene	105	12.520	12.520	(0.891)	3904794	30.0000	30.3722
98 Cyclohexanone	55	12.717	12.717	(1.112)	310036	1200.00	1246.98
100 1,1,2,2-Tetrachloroethane	83	12.816	12.816	(0.912)	352180	30.0000	30.1312
102 1,2,3-Trichloropropane	110	12.914	12.914	(0.919)	91077	30.0000	30.5686(Q)
103 Bromobenzene	156	12.964	12.964	(0.923)	909471	30.0000	30.7421
104 n-Propylbenzene	120	12.964	12.964	(0.923)	1057544	30.0000	30.0960
106 2-Chlorotoluene	126	13.131	13.131	(0.935)	928221	30.0000	30.2802
105 1,3,5-Trimethylbenzene	105	13.121	13.121	(0.934)	3193116	30.0000	31.1858
107 4-Chlorotoluene	126	13.230	13.230	(0.942)	875452	30.0000	30.0285
108 tert-Butylbenzene	119	13.516	13.516	(0.962)	2758088	30.0000	30.3777
109 1,2,4-Trimethylbenzene	105	13.565	13.565	(0.966)	3019990	30.0000	30.2290
110 sec-Butylbenzene	134	13.762	13.762	(0.980)	862018	30.0000	30.7884
111 4-Isopropyltoluene	119	13.900	13.900	(0.989)	3582028	30.0000	30.9694

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
112 1,3-Dichlorobenzene	146	13.979	13.979	(0.995)	1718306	30.0000	30.0559
114 1,4-dichlorobenzene	146	14.078	14.078	(1.002)	1634592	30.0000	29.2447
116 n-Butylbenzene	91	14.394	14.394	(1.025)	3612731	30.0000	30.2411
117 1,2-Dichlorobenzene	146	14.561	14.561	(1.036)	1326574	30.0000	30.3000
118 1,2-Dibromo-3-chloropropane	157	15.567	15.567	(1.108)	59651	30.0000	30.7045
120 1,2,4-Trichlorobenzene	180	16.780	16.780	(1.194)	968879	30.0000	30.7732
121 Hexachlorobutadiene	225	16.977	16.977	(1.208)	883618	30.0000	29.6544
122 Naphthalene	128	17.243	17.243	(1.227)	918216	30.0000	31.6355
123 1,2,3-Trichlorobenzene	180	17.648	17.648	(1.256)	715189	30.0000	30.4435

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR6393.D

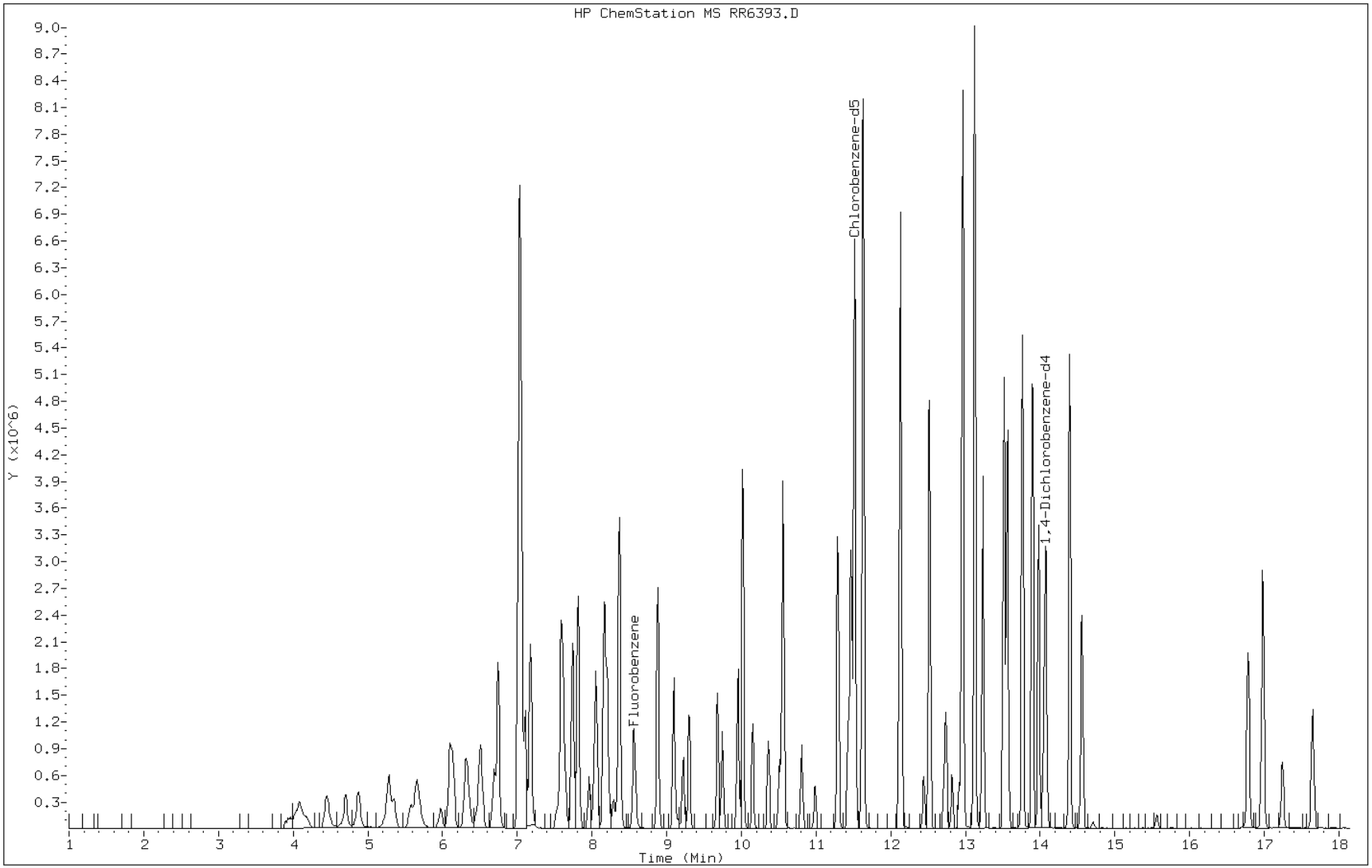
Date: 15-JUN-2012 09:30

Client ID:

Instrument: R2.i

Sample Info: IC,,M 30 15uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6394.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 09:52
Operator : DOBRANSKYM Inst ID: R2.i
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Misc Info :
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Meth Date : 15-Jun-2012 13:53 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.559	8.555	(1.000)	1270557	12.5000	
* 88	Chlorobenzene-d5	119	11.439	11.425	(1.000)	268496	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.052	14.038	(1.000)	413597	12.5000	
M 2	1,2-Dichloroethene (total)	96				4057069	120.000	115.117
M 1	Trihalomethanes (total)	100				7358854	240.000	236.983
M 4	1,3-Dichloropropene (total)	100				3528223	120.000	121.532
M 3	Xylene (total)	106				9368163	180.000	184.716
7	dichlorodifluoromethane	85	4.447	4.447	(0.520)	1913520	60.0000	54.5922
9	Chloromethane	50	4.704	4.704	(0.550)	1644300	60.0000	54.4859
10	Vinyl Chloride	62	4.871	4.871	(0.569)	1809301	60.0000	55.7717
12	Bromomethane	94	5.285	5.285	(0.618)	1655442	60.0000	54.5416
13	Chloroethane	64	5.354	5.354	(0.626)	1110468	60.0000	52.9583
15	Trichlorofluoromethane	101	5.660	5.660	(0.661)	3106492	60.0000	56.6130
16	Ethanol	45	5.670	5.670	(0.662)	235730	3000.00	2975.98
22	Acrolein	56	5.976	5.976	(0.698)	770894	600.000	597.109
24	Acetone	43	6.084	6.084	(0.711)	522936	240.000	237.819
25	1,1-Dichloroethene	96	6.133	6.133	(0.717)	1877764	60.0000	55.0870
26	Iodomethane	142	6.311	6.311	(0.737)	4085287	60.0000	58.5684
28	Acetonitrile	41	6.360	6.360	(0.743)	458541	600.000	512.582
31	tert-Butyl alcohol	59	6.459	6.459	(0.755)	733287	1200.00	1194.85
32	Methylene Chloride	84	6.508	6.508	(0.760)	1554552	60.0000	59.8007
33	Acrylonitrile	53	6.686	6.686	(0.781)	1536241	600.000	563.961
35	trans-1,2-Dichloroethene	96	6.745	6.745	(0.788)	2064700	60.0000	56.1687

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
38 Isopropyl ether	87	7.031	7.031	(0.821)	5091301	300.000	307.781(A)
39 1,1-Dichloroethane	63	7.110	7.110	(0.831)	3499530	60.0000	57.4982
40 Chloroprene	53	7.179	7.179	(0.839)	3404770	60.0000	58.4885
43 2-Butanone	43	7.524	7.524	(0.879)	823447	240.000	231.567
45 cis-1,2-Dichloroethene	96	7.583	7.583	(0.886)	1992369	60.0000	58.9480
46 Propionitrile	54	7.613	7.613	(0.889)	565986	600.000	587.517
47 2,2-Dichloropropane	77	7.613	7.613	(0.889)	2760959	60.0000	56.3652
48 Methacrylonitrile	41	7.741	7.741	(0.904)	3030913	600.000	579.824
49 Bromochloromethane	128	7.810	7.810	(0.912)	761765	60.0000	59.6817
50 Chloroform	83	7.820	7.820	(0.914)	3448295	60.0000	57.1557
54 1,1,1-Trichloroethane	97	8.056	8.056	(0.941)	3281463	60.0000	59.0966
53 Isobutanol	41	8.037	8.037	(0.939)	251476	1200.00	1190.87
56 1,1-Dichloropropene	75	8.165	8.165	(0.954)	2899163	60.0000	57.7968
57 Carbon Tetrachloride	117	8.204	8.204	(0.959)	3038969	60.0000	58.0912
60 1,2-Dichloroethane	62	8.352	8.352	(0.976)	1511106	60.0000	61.3253(A)
61 Benzene	78	8.372	8.372	(0.978)	6745735	60.0000	57.0649
63 n-Butanol	56	8.589	8.589	(1.003)	325665	1800.00	1810.14(A)
64 Trichloroethene	95	8.875	8.875	(1.037)	2127679	60.0000	59.6227
68 1,2-Dichloropropane	63	9.102	9.102	(1.063)	1495870	60.0000	58.9207
69 1,4-Dioxane	88	9.161	9.161	(1.070)	210678	3000.00	3024.43(A)
70 Dibromomethane	93	9.220	9.220	(1.077)	714016	60.0000	59.0588
71 Bromodichloromethane	83	9.299	9.299	(1.086)	1989941	60.0000	58.9720
74 cis-1,3-Dichloropropene	75	9.684	9.684	(1.131)	2045848	60.0000	60.2079(A)
75 4-Methyl-2-pentanone	43	9.743	9.743	(1.138)	1877122	240.000	237.942
77 Toluene	91	10.019	10.019	(1.171)	7062780	60.0000	59.8653
79 trans-1,3-Dichloropropene	75	10.157	10.157	(1.187)	1482375	60.0000	61.3244(A)
80 1,1,2-Trichloroethane	97	10.364	10.364	(1.211)	737265	60.0000	59.3753
81 2-Hexanone	43	10.512	10.512	(0.919)	1238894	240.000	230.308
82 1,3-Dichloropropane	76	10.551	10.551	(0.922)	1305219	60.0000	56.6710
83 Tetrachloroethene	164	10.561	10.561	(0.923)	2000513	60.0000	60.2866(A)
84 Dibromochloromethane	129	10.808	10.808	(0.945)	1223273	60.0000	59.9025
86 1,2-Dibromoethane	107	10.985	10.985	(0.960)	815744	60.0000	59.6990
87 1-Chlorohexane	91	11.291	11.291	(0.987)	2815227	60.0000	58.4394
89 Chlorobenzene	112	11.468	11.468	(1.003)	4485069	60.0000	57.6751
90 1,1,1,2-Tetrachloroethane	131	11.518	11.518	(1.007)	1607419	60.0000	61.6968(A)
91 Ethylbenzene	106	11.518	11.518	(1.007)	2593746	60.0000	60.6760(A)
92 m and p-Xylene	106	11.636	11.636	(1.017)	6456936	120.000	123.164(A)
93 o-Xylene	106	12.129	12.129	(1.060)	2911227	60.0000	61.5528(A)
94 Styrene	104	12.129	12.129	(1.060)	4501646	60.0000	65.2816(A)
95 Bromoform	173	12.445	12.445	(1.088)	697345	60.0000	60.9530(A)
96 isopropyl benzene	105	12.514	12.514	(0.891)	8521869	60.0000	61.3585(A)
98 Cyclohexanone	55	12.721	12.721	(1.112)	648328	2400.00	2343.55
100 1,1,2,2-Tetrachloroethane	83	12.819	12.819	(0.912)	752032	60.0000	59.6789
102 1,2,3-Trichloropropane	110	12.918	12.918	(0.919)	193520	60.0000	60.1251(AQ)
103 Bromobenzene	156	12.967	12.967	(0.923)	2060966	60.0000	64.4878(A)
104 n-Propylbenzene	120	12.967	12.967	(0.923)	2356619	60.0000	62.0816(A)
106 2-Chlorotoluene	126	13.135	13.135	(0.935)	2064231	60.0000	62.3344(A)
105 1,3,5-Trimethylbenzene	105	13.125	13.125	(0.934)	7096193	60.0000	64.1550(A)
107 4-Chlorotoluene	126	13.234	13.234	(0.942)	1928388	60.0000	61.2291(A)
108 tert-Butylbenzene	119	13.520	13.520	(0.962)	6041554	60.0000	61.5968(A)
109 1,2,4-Trimethylbenzene	105	13.569	13.569	(0.966)	6748010	60.0000	62.5255(A)
110 sec-Butylbenzene	134	13.766	13.766	(0.980)	1865257	60.0000	61.6698(A)
111 4-Isopropyltoluene	119	13.904	13.904	(0.989)	7747914	60.0000	62.0085(A)
112 1,3-Dichlorobenzene	146	13.983	13.983	(0.995)	3747144	60.0000	60.6725(A)

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
114 1,4-dichlorobenzene	146	14.082	14.082	(1.002)	3521412	60.0000	58.3200
116 n-Butylbenzene	91	14.397	14.397	(1.025)	7774732	60.0000	60.2434(A)
117 1,2-Dichlorobenzene	146	14.565	14.565	(1.036)	2889015	60.0000	61.0835(A)
118 1,2-Dibromo-3-chloropropane	157	15.571	15.571	(1.108)	131507	60.0000	62.6607(A)
120 1,2,4-Trichlorobenzene	180	16.784	16.784	(1.194)	2111392	60.0000	62.0776(A)
121 Hexachlorobutadiene	225	16.981	16.981	(1.208)	1856369	60.0000	57.6702
122 Naphthalene	128	17.247	17.247	(1.227)	2011769	60.0000	64.1609(A)
123 1,2,3-Trichlorobenzene	180	17.651	17.651	(1.256)	1557829	60.0000	61.3840(A)

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: RR6394.D

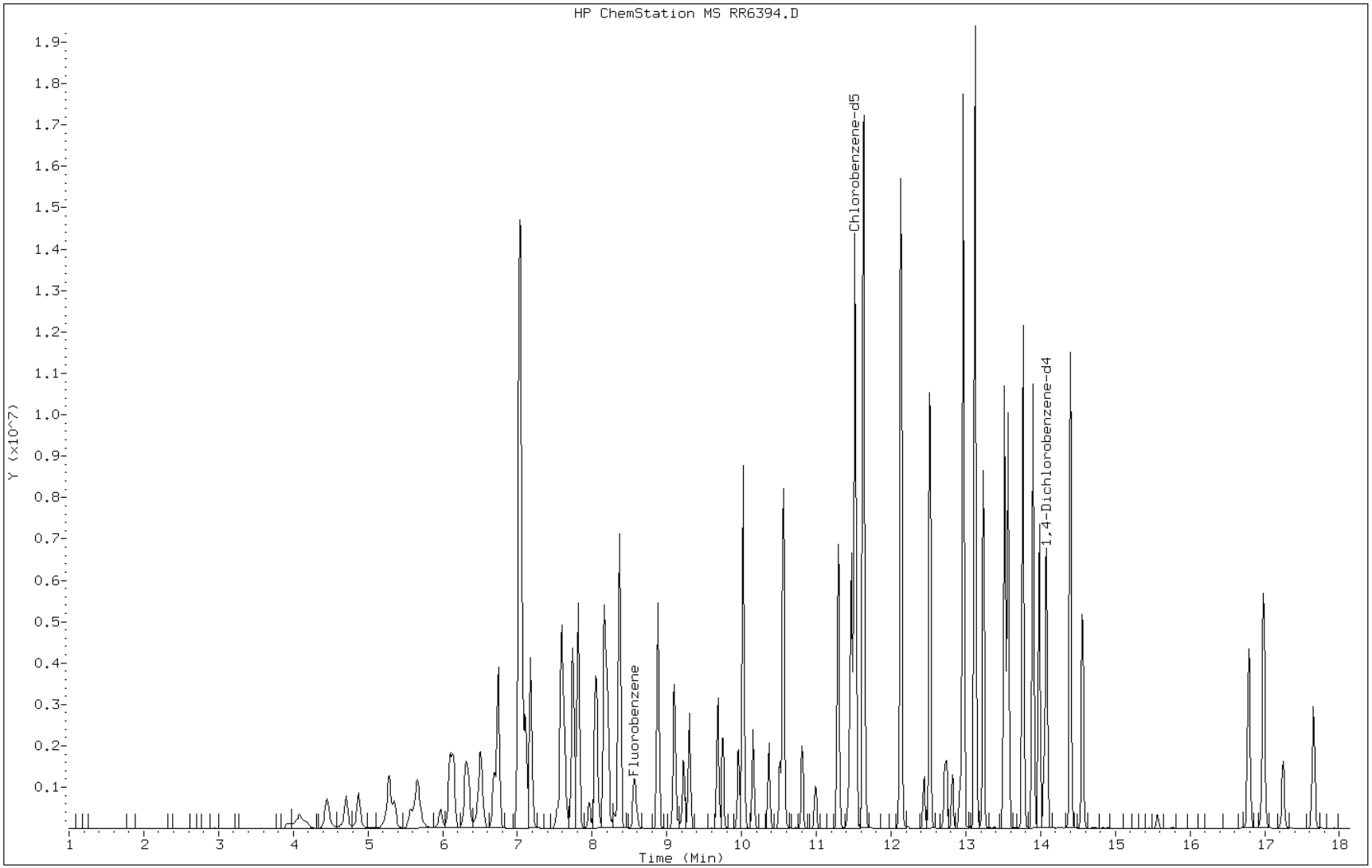
Date: 15-JUN-2012 09:52

Client ID:

Instrument: R2.i

Sample Info: IC,,M 60 30uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab Sample ID: ICV 280-124040/9 Calibration Date: 06/14/2012 09:46

Instrument ID: MSV_R2 Calib Start Date: 06/14/2012 07:32

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/14/2012 09:23

Lab File ID: RR6360.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.7189	0.7829		10.9	10.0	8.9	50.0
Ethyl ether	Ave	0.1209	0.1228		10.2	10.0	1.5	35.0
Isopropyl alcohol	Ave	0.0047	0.0048		201	200	0.3	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.5501	0.6119		11.1	10.0	11.2	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2920	0.3286		11.3	10.0	12.5	35.0
Methyl acetate	Ave	0.0607	0.0620		51.1	50.0	2.2	55.0
Allyl chloride	Ave	0.4807	0.5216		10.9	10.0	8.5	35.0
Carbon disulfide	Ave	1.356	1.313		9.68	10.0	-3.2	20.0
Methyl tert-butyl ether	Ave	0.3366	0.3546		10.5	10.0	5.3	20.0
Hexane	Ave	2.336	2.308		9.88	10.0	-1.2	20.0
Vinyl acetate	Ave	0.2479	0.2209		17.8	20.0	-10.9	55.0
Tert-butyl ethyl ether	Ave	0.5682	0.6036		53.1	50.0	6.2	35.0
Ethyl acetate	Ave	0.0944	0.0986		20.9	20.0	4.4	55.0
2-Butanol	Ave	0.0052	0.0052		302	301	0.3	50.0
Tetrahydrofuran	Ave	0.0208	0.0207		19.9	20.0	-0.6	55.0
Cyclohexane	Ave	0.5574	0.6182		11.1	10.0	10.9	35.0
Tert-amyl methyl ether	Ave	0.4054	0.4192		51.7	50.0	3.4	35.0
2-Pentanone	Ave	0.0635	0.0700		44.1	40.0	10.3	55.0
Methyl methacrylate	Ave	0.0214	0.0223		20.8	20.0	4.0	35.0
Methylcyclohexane	Ave	0.4888	0.5405		11.1	10.0	10.6	35.0
2-Chloroethyl vinyl ether	Ave	0.0583	0.0620		10.6	10.0	6.4	55.0
2-Nitropropane	Ave	0.0220	0.0232		10.5	10.0	5.4	55.0
Ethyl methacrylate	Ave	0.6161	0.6319		20.5	20.0	2.6	35.0
cis-1,4-Dichloro-2-butene	Ave	0.1110	0.1031		9.29	10.0	-7.1	55.0
trans-1,4-Dichloro-2-butene	Lin1	0.0907	0.0916		9.22	10.0	-7.8	55.0
Dibromofluoromethane (Surr)	Lin2	0.4864	0.4306		9.90	10.0	-1.0	35.0
1,2-Dichloroethane-d4 (Surr)	Lin	0.3193	0.2783		9.71	10.0	-2.9	35.0
Toluene-d8 (Surr)	Lin1	7.226	6.252		9.96	10.0	-0.4	35.0
4-Bromofluorobenzene (Surr)	Lin2	1.493	1.286		9.74	10.0	-2.6	35.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6360.D
Lab Smp Id: ICV
Inj Date : 14-JUN-2012 09:46
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,S 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	8.564	8.561	(1.000)	995420	12.5000	
* 88 Chlorobenzene-d5	119	11.434	11.431	(1.000)	212474	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.047	14.044	(1.000)	296826	12.5000	
$ 52 Dibromofluoromethane (Surr)	111	7.963	7.959	(0.930)	342936	9.90226	9.90226
$ 58 1,2-Dichloroethane-d4	65	8.288	8.285	(0.968)	221616	9.71038	9.71038
$ 76 Toluene-d8	98	9.955	9.951	(0.871)	1062636	9.96483	9.96483
$ 99 4-Bromofluorobenzene (Surr)	95	12.736	12.742	(0.907)	305256	9.74242	9.74242
11 Ethylene Oxide	43	5.192	5.198	(0.606)	460316	1180.91	1180.91
14 Dichlorofluoromethane	67	5.527	5.534	(0.645)	623465	10.8906	10.8906
17 1,2-dichloro-1,1,2-trifluoroe	117	5.803	5.810	(0.678)	306920	11.1078	11.1078
21 Propylene Oxide	58	5.912	5.908	(0.690)	784590	545.126	545.126
19 Ethyl Ether	59	5.783	5.790	(0.675)	97762	10.1545	10.1545
20 2,2-dichloro-1,1,1-trifluoroe	83	5.852	5.849	(0.683)	487303	11.1244	11.1244
23 Trichlorotrifluoroethane	151	6.089	6.096	(0.711)	261695	11.2550	11.2550
18 2-propanol	45	5.783	5.790	(0.675)	75776	200.578	200.578
27 Methyl Acetate	43	6.336	6.332	(0.740)	246968	51.0902	51.0902
29 Allyl Chloride	41	6.395	6.391	(0.747)	415364	10.8500	10.8500
30 Carbon Disulfide	76	6.405	6.411	(0.748)	1045258	9.68031	9.68031
34 Methyl t-butyl ether	73	6.691	6.687	(0.781)	282405	10.5348	10.5348
36 Hexane	57	6.908	6.904	(0.604)	392252	9.87848	9.87848
37 Vinyl acetate	43	7.026	7.023	(0.820)	351806	17.8233	17.8233
41 ETBE	59	7.341	7.348	(0.857)	2403291	53.1105	53.1105

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
42	Ethyl Acetate	43	7.499	7.496	(0.876)	157069	20.8897	20.8897
44	2-Butanol	45	7.568	7.565	(0.884)	125886	302.245	302.245
51	Tetrahydrofuran	42	7.835	7.841	(0.915)	32948	19.8799	19.8799
55	Cyclohexane	56	8.121	8.127	(0.948)	492284	11.0901	11.0901
59	TAME	73	8.337	8.344	(0.974)	1668941	51.7015	51.7014
65	2-Pentanone	43	8.929	8.926	(1.043)	223053	44.1056	44.1056
67	Methyl Cyclohexane	55	9.087	9.084	(1.061)	430415	11.0565	11.0565
66	Methyl Methacrylate	100	9.028	9.024	(1.054)	35455	20.8029	20.8029
73	2-nitropropane	41	9.471	9.478	(1.106)	18440	10.5393	10.5393
72	2-Chloroethyl vinyl ether	63	9.462	9.458	(1.105)	49377	10.6398	10.6398
78	Ethyl methacrylate	69	10.122	10.119	(0.885)	214822	20.5138	20.5138
85	Tetrahydrothiophene	60	10.862	10.859	(0.950)	39878	8.05930	8.05930
97	cis-1,4-dichloro-2-butene	53	12.568	12.574	(0.895)	24470	9.28763	9.28763
101	t-1,4-Dichloro-2-butene	53	12.874	12.870	(0.916)	21754	9.21640	9.21640
115	1,2,3-Trimethylbenzene	105	14.087	14.083	(1.003)	764269	10.3246	10.3246
119	Tetralin	104	Compound Not Detected.					

Data File: RR6360.D

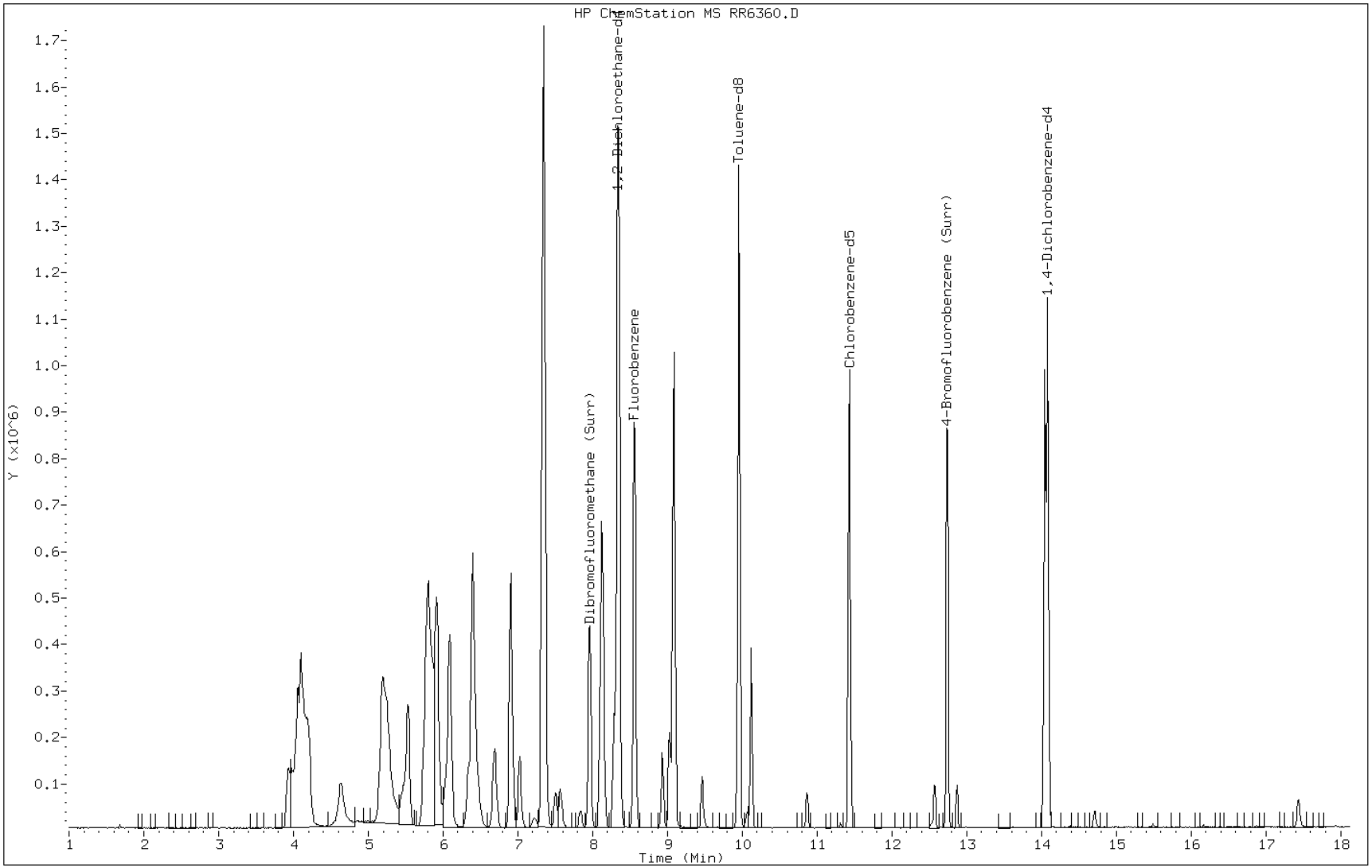
Date: 14-JUN-2012 09:46

Client ID:

Instrument: R2.i

Sample Info: ICV,,S 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab Sample ID: ICV 280-124226/10 Calibration Date: 06/15/2012 10:15

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6395.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Ave	0.0008	0.0009		227	200	13.5	50.0
2-Chloro-1,3-butadiene	Ave	0.5727	0.5547		9.69	10.0	-3.1	35.0
Propionitrile	Ave	0.0095	0.0095		100	100	0.2	35.0
Methacrylonitrile	Ave	0.0514	0.0534		104	100	3.7	50.0
Isobutyl alcohol	Ave	0.0021	0.0021		201	200	0.6	50.0
1,4-Dioxane	Ave	0.0007	0.0007		199	200	-0.3	55.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6395.D
Lab Smp Id: ICV
Inj Date : 15-JUN-2012 10:15
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,MB 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvmb.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	8.564	8.559	(1.000)	1228623	12.5000	
* 88 Chlorobenzene-d5	119	11.433	11.439	(1.000)	256376	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.046	14.052	(1.000)	350169	12.5000	(Q)
16 Ethanol	45	5.654	5.670	(0.660)	17394	227.086	227.086
40 Chloroprene	53	7.183	7.179	(0.839)	545204	9.68539	9.68539
46 Propionitrile	54	7.607	7.613	(0.888)	93354	100.213	100.213
48 Methacrylonitrile	41	7.745	7.741	(0.904)	524389	103.741	103.741
53 Isobutanol	41	8.041	8.037	(0.939)	41077	201.160	201.160
69 1,4-Dioxane	88	9.165	9.161	(1.070)	13426	199.318	199.318(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6395.D

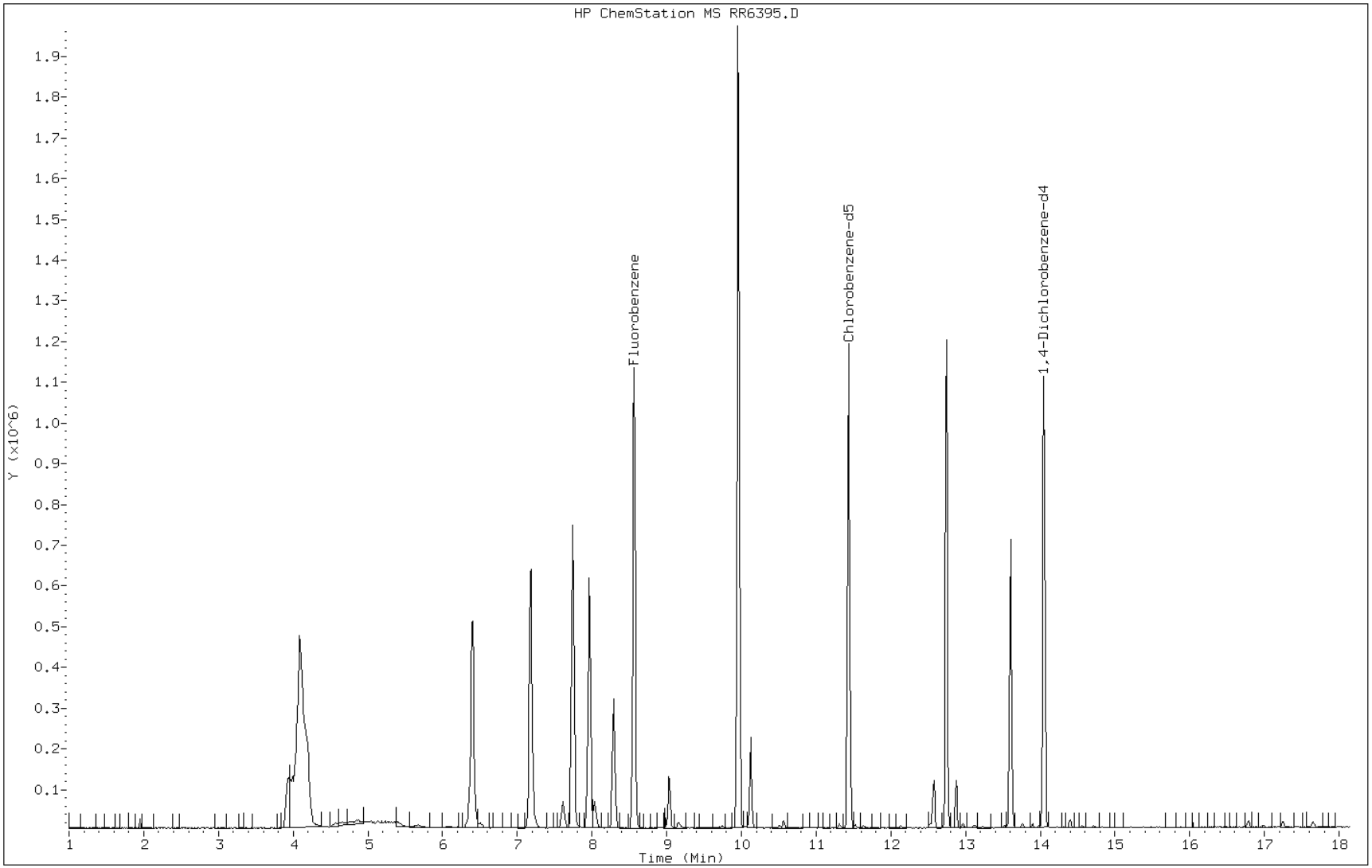
Date: 15-JUN-2012 10:15

Client ID:

Instrument: R2.i

Sample Info: ICV,,MB 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab Sample ID: ICV 280-124226/11 Calibration Date: 06/15/2012 10:37

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6396.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3471	0.3470		20.0	20.0	-0.0	20.0
Xylenes, Total	Ave	2.361	2.385		30.3	30.0	1.0	35.0
Dichlorodifluoromethane	Ave	0.3448	0.3205		9.29	10.0	-7.1	20.0
Chloromethane	Ave	0.2969	0.3102	0.1000	10.4	10.0	4.5	20.0
Vinyl chloride	Ave	0.3192	0.3275		10.3	10.0	2.6	20.0
Bromomethane	Ave	0.2986	0.2971		9.95	10.0	-0.5	20.0
Chloroethane	Ave	0.2063	0.2075		10.1	10.0	0.6	20.0
Trichlorofluoromethane	Ave	0.5398	0.5485		10.2	10.0	1.6	20.0
Acrolein	Ave	0.0127	0.0123		97.1	100	-2.9	55.0
1,1-Dichloroethene	Ave	0.3354	0.3376		10.1	10.0	0.7	20.0
Iodomethane	Ave	0.6862	0.6383		9.30	10.0	-7.0	35.0
Methylene Chloride	Lin	0.2999	0.2795		10.3	10.0	2.6	20.0
Acrylonitrile	Ave	0.0268	0.0288		107	100	7.3	55.0
trans-1,2-Dichloroethene	Ave	0.3616	0.3605		9.97	10.0	-0.3	20.0
1,1-Dichloroethane	Ave	0.5988	0.5850	0.1000	9.77	10.0	-2.3	20.0
2-Butanone (MEK)	Ave	0.0350	0.0373		42.6	40.0	6.6	20.0
cis-1,2-Dichloroethene	Ave	0.3325	0.3336		10.0	10.0	0.3	20.0
2,2-Dichloropropane	Ave	0.4819	0.4798		9.96	10.0	-0.4	20.0
Chlorobromomethane	Ave	0.1256	0.1248		9.94	10.0	-0.6	20.0
Chloroform	Ave	0.5936	0.5635		9.49	10.0	-5.1	20.0
1,1,1-Trichloroethane	Ave	0.5463	0.5219		9.55	10.0	-4.5	20.0
1,1-Dichloropropene	Ave	0.4935	0.4936		10.0	10.0	0.0	20.0
Carbon tetrachloride	Ave	0.5147	0.5038		9.79	10.0	-2.1	20.0
1,2-Dichloroethane	Ave	0.2424	0.2619		10.8	10.0	8.0	20.0
Benzene	Ave	1.163	1.134		9.75	10.0	-2.5	20.0
Trichloroethene	Ave	0.3511	0.3522		10.0	10.0	0.3	20.0
1,2-Dichloropropane	Ave	0.2498	0.2508		10.0	10.0	0.4	20.0
Dibromomethane	Ave	0.1189	0.1211		10.2	10.0	1.8	20.0
Dichlorobromomethane	Ave	0.3320	0.3278		9.87	10.0	-1.3	20.0
cis-1,3-Dichloropropene	Ave	0.3343	0.3405		10.2	10.0	1.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0776	0.0862		44.4	40.0	11.1	20.0
Toluene	Ave	1.161	1.193		10.3	10.0	2.7	20.0
trans-1,3-Dichloropropene	Ave	0.2378	0.2523		10.6	10.0	6.1	20.0
1,1,2-Trichloroethane	Ave	0.1222	0.1274		10.4	10.0	4.3	20.0
2-Hexanone	Ave	0.2504	0.2783		44.5	40.0	11.1	20.0
1,3-Dichloropropane	Ave	1.072	1.071		9.99	10.0	-0.1	20.0
Tetrachloroethene	Ave	1.545	1.547		10.0	10.0	0.2	20.0
Chlorodibromomethane	Ave	0.9507	0.9526		10.0	10.0	0.2	20.0
Ethylene Dibromide	Ave	0.6361	0.6602		10.4	10.0	3.8	20.0
1-Chlorohexane	Ave	2.243	2.270		10.1	10.0	1.2	35.0
Chlorobenzene	Ave	3.620	3.491	0.3000	9.64	10.0	-3.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab Sample ID: ICV 280-124226/11 Calibration Date: 06/15/2012 10:37

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6396.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,1,2-Tetrachloroethane	Ave	1.213	1.187		9.78	10.0	-2.2	20.0
Ethylbenzene	Ave	1.990	2.040		10.3	10.0	2.5	20.0
m-Xylene & p-Xylene	Ave	2.441	2.479		20.3	20.0	1.6	20.0
o-Xylene	Ave	2.202	2.197		9.98	10.0	-0.2	20.0
Styrene	Ave	3.210	3.281		10.2	10.0	2.2	20.0
Bromoform	Ave	0.5326	0.5328	0.1000	10.0	10.0	0.0	20.0
Isopropylbenzene	Ave	4.198	4.352		10.4	10.0	3.7	20.0
Cyclohexanone	Ave	0.0129	0.0115		224	250	-10.5	35.0
1,1,2,2-Tetrachloroethane	Lin1	0.4145	0.4089	0.3000	10.6	10.0	6.4	20.0
1,2,3-Trichloropropane	Ave	0.0973	0.0999		10.3	10.0	2.7	20.0
Bromobenzene	Ave	0.9659	0.9885		10.2	10.0	2.3	20.0
N-Propylbenzene	Ave	1.147	1.164		10.1	10.0	1.4	20.0
1,3,5-Trimethylbenzene	Ave	3.343	3.425		10.2	10.0	2.4	20.0
2-Chlorotoluene	Ave	1.001	1.002		10.0	10.0	0.0	20.0
4-Chlorotoluene	Ave	0.9519	0.9757		10.3	10.0	2.5	20.0
tert-Butylbenzene	Ave	2.964	3.034		10.2	10.0	2.4	20.0
1,2,4-Trimethylbenzene	Ave	3.262	3.256		9.98	10.0	-0.2	20.0
sec-Butylbenzene	Ave	0.9141	0.9351		10.2	10.0	2.3	20.0
4-Isopropyltoluene	Ave	3.776	3.775		10.0	10.0	-0.0	20.0
1,3-Dichlorobenzene	Ave	1.867	1.845		9.89	10.0	-1.1	20.0
1,4-Dichlorobenzene	Ave	1.825	1.750		9.59	10.0	-4.1	20.0
n-Butylbenzene	Ave	3.900	3.928		10.1	10.0	0.7	20.0
1,2-Dichlorobenzene	Ave	1.429	1.308		9.15	10.0	-8.5	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0634	0.0629		9.92	10.0	-0.8	20.0
1,2,4-Trichlorobenzene	Ave	1.028	1.006		9.79	10.0	-2.1	20.0
Hexachlorobutadiene	Ave	0.9728	0.9150		9.41	10.0	-5.9	20.0
Naphthalene	Ave	0.9476	0.9746		10.3	10.0	2.8	20.0
1,2,3-Trichlorobenzene	Ave	0.7670	0.7553		9.85	10.0	-1.5	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6396.D
Lab Smp Id: ICV
Inj Date : 15-JUN-2012 10:37
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,MA 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvma-Ace.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
*	62 Fluorobenzene	96	8.571	8.559	(1.000)	1172093	12.5000		
*	88 Chlorobenzene-d5	119	11.441	11.439	(1.000)	246742	12.5000		
*	113 1,4-Dichlorobenzene-d4	152	14.054	14.052	(1.000)	371869	12.5000		(Q)
M	2 1,2-Dichloroethene (total)	96				650792	19.9995	19.9994	
M	3 Xylene (total)	106				1412262	30.2894	30.2894	
M	4 1,3-Dichloropropene (total)	100				555898	20.7963	20.7963	
M	1 Trihalomethanes (total)	100				1128906	39.3895	39.3894	
	7 dichlorodifluoromethane	85	4.459	4.447	(0.520)	300536	9.29450	9.29450	
	9 Chloromethane	50	4.715	4.704	(0.550)	290861	10.4477	10.4477	
	10 Vinyl Chloride	62	4.873	4.871	(0.569)	307078	10.2609	10.2609	
	12 Bromomethane	94	5.287	5.285	(0.617)	278577	9.94927	9.94927	
	13 Chloroethane	64	5.346	5.354	(0.624)	194534	10.0567	10.0567	
	15 Trichlorofluoromethane	101	5.672	5.660	(0.662)	514301	10.1600	10.1600	
	22 Acrolein	56	5.987	5.976	(0.699)	115603	97.0644	97.0644	
	25 1,1-Dichloroethene	96	6.116	6.133	(0.714)	316547	10.0665	10.0665	
	26 Iodomethane	142	6.323	6.311	(0.738)	598527	9.30157	9.30157	
	32 Methylene Chloride	84	6.520	6.508	(0.761)	262049	10.2567	10.2566	
	33 Acrylonitrile	53	6.697	6.686	(0.781)	269610	107.290	107.290	
	35 trans-1,2-Dichloroethene	96	6.757	6.745	(0.788)	338012	9.96785	9.96785	
	39 1,1-Dichloroethane	63	7.112	7.110	(0.830)	548546	9.76990	9.76990	
	43 2-Butanone	43	7.536	7.524	(0.879)	139890	42.6443	42.6443	
	45 cis-1,2-Dichloroethene	96	7.595	7.583	(0.886)	312780	10.0316	10.0316	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
47	2,2-Dichloropropane	77	7.624	7.613	(0.890)	449913	9.95663	9.95662
49	Bromochloromethane	128	7.822	7.810	(0.913)	117036	9.93967	9.93967
50	Chloroform	83	7.822	7.820	(0.913)	528360	9.49330	9.49330
54	1,1,1-Trichloroethane	97	8.058	8.056	(0.940)	489406	9.55424	9.55424
56	1,1-Dichloropropene	75	8.167	8.165	(0.953)	462797	10.0012	10.0012
57	Carbon Tetrachloride	117	8.206	8.204	(0.957)	472389	9.78850	9.78850
60	1,2-Dichloroethane	62	8.364	8.352	(0.976)	245592	10.8042	10.8042
61	Benzene	78	8.374	8.372	(0.977)	1063002	9.74778	9.74778
64	Trichloroethene	95	8.887	8.875	(1.037)	330280	10.0327	10.0327
68	1,2-Dichloropropane	63	9.104	9.102	(1.062)	235118	10.0390	10.0390
70	Dibromomethane	93	9.232	9.220	(1.077)	113541	10.1803	10.1803
71	Bromodichloromethane	83	9.301	9.299	(1.085)	307338	9.87311	9.87311
74	cis-1,3-Dichloropropene	75	9.685	9.684	(1.130)	319292	10.1859	10.1859
75	4-Methyl-2-pentanone	43	9.754	9.743	(1.138)	323391	44.4365	44.4364
77	Toluene	91	10.021	10.019	(1.169)	1118179	10.2741	10.2741
79	trans-1,3-Dichloropropene	75	10.159	10.157	(1.185)	236606	10.6104	10.6104
80	1,1,2-Trichloroethane	97	10.366	10.364	(1.209)	119416	10.4250	10.4250
81	2-Hexanone	43	10.514	10.512	(0.919)	219737	44.4500	44.4500
82	1,3-Dichloropropane	76	10.553	10.551	(0.922)	211421	9.98896	9.98896
83	Tetrachloroethene	164	10.563	10.561	(0.923)	305410	10.0151	10.0151
84	Dibromochloromethane	129	10.810	10.808	(0.945)	188036	10.0198	10.0198
86	1,2-Dibromoethane	107	10.997	10.985	(0.961)	130318	10.3780	10.3780
87	1-Chlorohexane	91	11.293	11.291	(0.987)	448046	10.1207	10.1207
89	Chlorobenzene	112	11.470	11.468	(1.003)	689021	9.64154	9.64154
90	1,1,1,2-Tetrachloroethane	131	11.520	11.518	(1.007)	234210	9.78214	9.78214
91	Ethylbenzene	106	11.520	11.518	(1.007)	402762	10.2526	10.2526
92	m and p-Xylene	106	11.638	11.636	(1.017)	978683	20.3139	20.3139
93	o-Xylene	106	12.131	12.129	(1.060)	433579	9.97550	9.97550
94	Styrene	104	12.141	12.129	(1.061)	647554	10.2186	10.2186
95	Bromoform	173	12.447	12.445	(1.088)	105172	10.0033	10.0033
96	isopropyl benzene	105	12.516	12.514	(0.891)	1294674	10.3678	10.3678
98	Cyclohexanone	55	12.723	12.721	(1.112)	56880	223.735	223.735
100	1,1,2,2-Tetrachloroethane	83	12.821	12.819	(0.912)	121659	10.6376	10.6376
102	1,2,3-Trichloropropane	110	12.920	12.918	(0.919)	29720	10.2699	10.2699(Q)
103	Bromobenzene	156	12.969	12.967	(0.923)	294060	10.2336	10.2336
104	n-Propylbenzene	120	12.969	12.967	(0.923)	346237	10.1446	10.1446
106	2-Chlorotoluene	126	13.137	13.135	(0.935)	297991	10.0083	10.0083
105	1,3,5-Trimethylbenzene	105	13.117	13.125	(0.933)	1018861	10.2449	10.2449
107	4-Chlorotoluene	126	13.235	13.234	(0.942)	290269	10.2507	10.2506
108	tert-Butylbenzene	119	13.521	13.520	(0.962)	902716	10.2364	10.2364
109	1,2,4-Trimethylbenzene	105	13.561	13.569	(0.965)	968695	9.98288	9.98288
110	sec-Butylbenzene	134	13.768	13.766	(0.980)	278188	10.2296	10.2296
111	4-Isopropyltoluene	119	13.896	13.904	(0.989)	1122955	9.99577	9.99577
112	1,3-Dichlorobenzene	146	13.985	13.983	(0.995)	548995	9.88661	9.88661
114	1,4-dichlorobenzene	146	14.084	14.082	(1.002)	520492	9.58743	9.58743
116	n-Butylbenzene	91	14.399	14.397	(1.025)	1168544	10.0706	10.0706
117	1,2-Dichlorobenzene	146	14.567	14.565	(1.036)	389266	9.15394	9.15394
118	1,2-Dibromo-3-chloropropane	157	15.573	15.571	(1.108)	18715	9.91799	9.91799
120	1,2,4-Trichlorobenzene	180	16.785	16.784	(1.194)	299284	9.78672	9.78672
121	Hexachlorobutadiene	225	16.993	16.981	(1.209)	272212	9.40550	9.40550
122	Naphthalene	128	17.249	17.247	(1.227)	289929	10.2842	10.2842
123	1,2,3-Trichlorobenzene	180	17.653	17.651	(1.256)	224686	9.84689	9.84689

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR6396.D

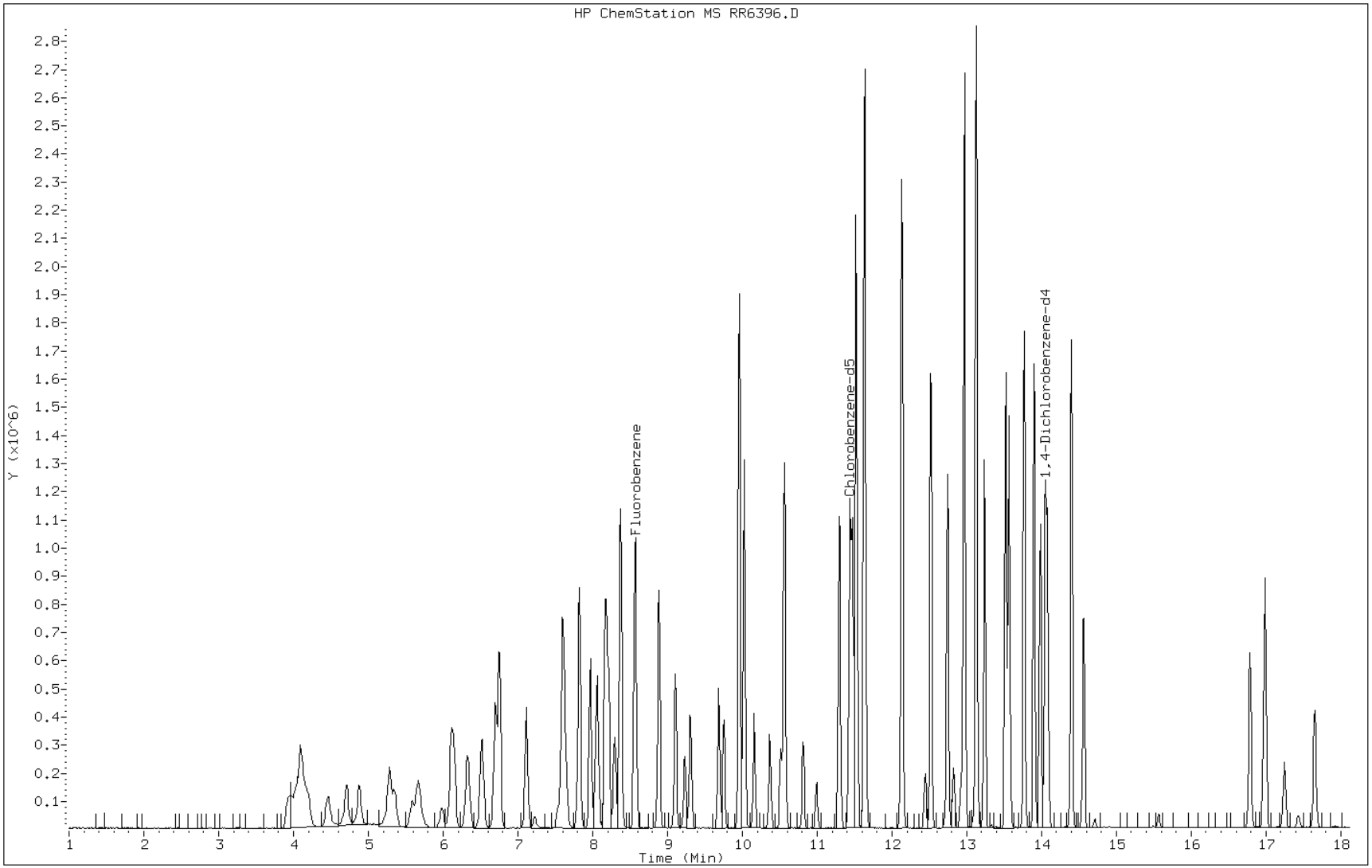
Date: 15-JUN-2012 10:37

Client ID:

Instrument: R2.i

Sample Info: ICV,,MA 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab Sample ID: ICV 280-124226/13 Calibration Date: 06/15/2012 11:22

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6398.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetone	Lin	0.0307	0.0269		44.2	40.0	10.4	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6398.D
Lab Smp Id: ICV
Inj Date : 15-JUN-2012 11:22
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,MAcetone 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvmAcetone.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 62 Fluorobenzene	96	8.559	8.559	(1.000)	1038187	12.5000		
* 88 Chlorobenzene-d5	119	11.439	11.439	(1.000)	220666	12.5000		
* 113 1,4-Dichlorobenzene-d4	152	14.052	14.052	(1.000)	311462	12.5000		(Q)
24 Acetone	43	6.084	6.084	(0.711)	89396	44.1516	44.1516	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR6398.D

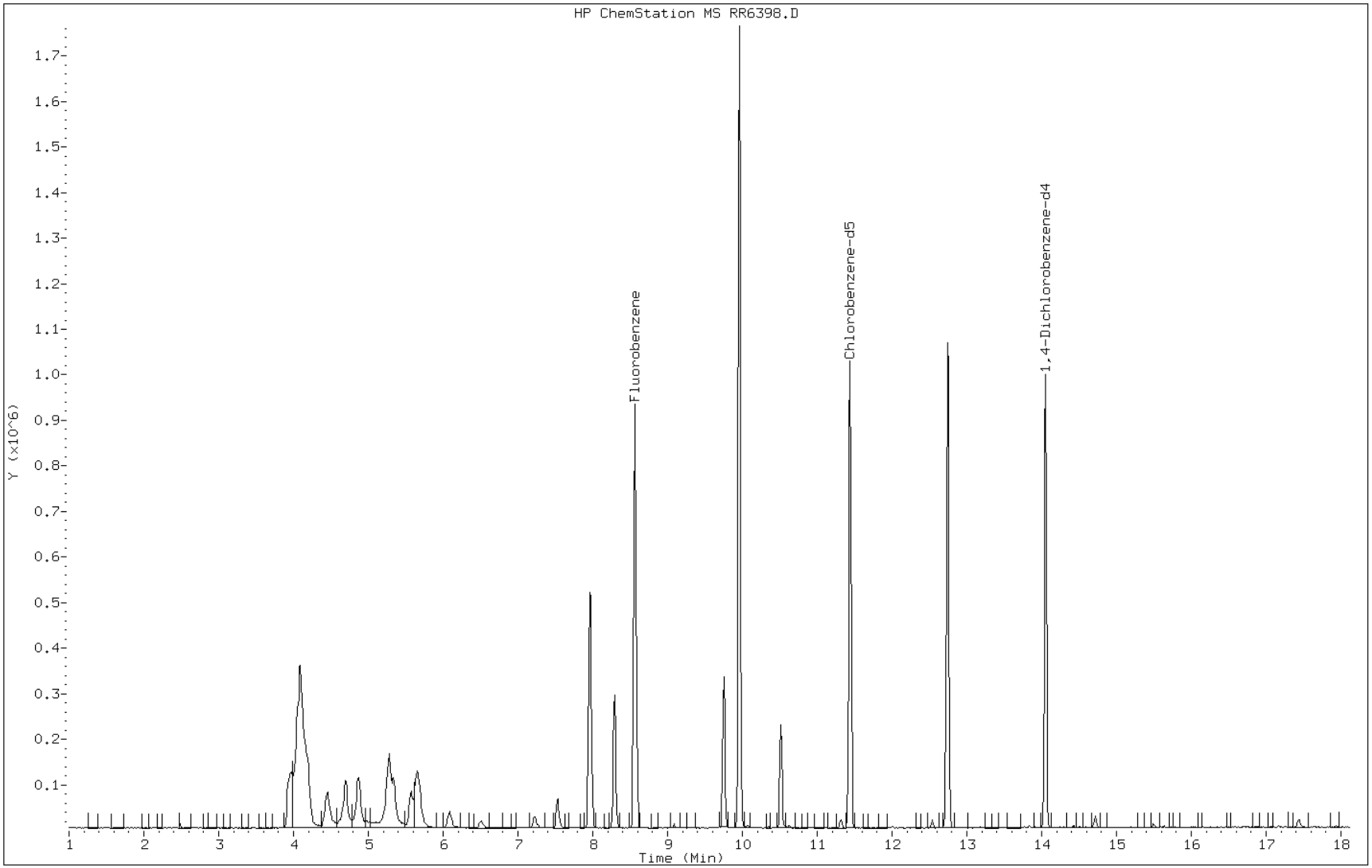
Date: 15-JUN-2012 11:22

Client ID:

Instrument: R2.i

Sample Info: ICV,,MAcetone 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab Sample ID: CCV 280-126338/2 Calibration Date: 07/02/2012 06:43

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6857.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3471	0.3407		19.6	20.0	-1.8	20.0
Xylenes, Total	Ave	2.361	2.364		30.0	30.0	0.1	35.0
Ethanol	Ave	0.0008	0.0008		542	500	8.4	50.0
1,1-Dichloroethene	Ave	0.3354	0.3304		9.85	10.0	-1.5	20.0
Iodomethane	Ave	0.6862	0.6627		9.66	10.0	-3.4	35.0
Acetonitrile	Ave	0.0088	0.0088		99.9	100	-0.0	50.0
2-Methyl-2-propanol	Ave	0.0060	0.0056		186	200	-7.0	50.0
Methylene Chloride	Lin	0.2999	0.2797		10.3	10.0	2.7	20.0
Acrylonitrile	Ave	0.0268	0.0276		103	100	3.0	50.0
trans-1,2-Dichloroethene	Ave	0.3616	0.3540		9.79	10.0	-2.1	20.0
Isopropyl ether	Ave	0.1627	0.1597		49.0	50.0	-1.9	35.0
1,1-Dichloroethane	Ave	0.5988	0.5755	0.1000	9.61	10.0	-3.9	20.0
2-Chloro-1,3-butadiene	Ave	0.5727	0.4527		7.91	10.0	-20.9	35.0
cis-1,2-Dichloroethene	Ave	0.3325	0.3274		9.85	10.0	-1.5	20.0
Propionitrile	Ave	0.0095	0.0098		104	100	3.6	50.0
2,2-Dichloropropane	Ave	0.4819	0.4627		9.60	10.0	-4.0	20.0
Methacrylonitrile	Ave	0.0514	0.0509		99.0	100	-1.0	50.0
Chlorobromomethane	Ave	0.1256	0.1216		9.68	10.0	-3.2	20.0
Chloroform	Ave	0.5936	0.5341		9.00	10.0	-10.0	20.0
Isobutyl alcohol	Ave	0.0021	0.0021		197	200	-1.3	50.0
1,1,1-Trichloroethane	Ave	0.5463	0.5034		9.21	10.0	-7.9	20.0
1,1-Dichloropropene	Ave	0.4935	0.4770		9.67	10.0	-3.3	20.0
Carbon tetrachloride	Ave	0.5147	0.4755		9.24	10.0	-7.6	20.0
1,2-Dichloroethane	Ave	0.2424	0.2331		9.61	10.0	-3.9	20.0
Benzene	Ave	1.163	1.093		9.40	10.0	-6.0	20.0
Trichloroethene	Ave	0.3511	0.3240		9.23	10.0	-7.7	20.0
1,2-Dichloropropane	Ave	0.2498	0.2450		9.81	10.0	-1.9	20.0
1,4-Dioxane	Ave	0.0007	0.0007		506	500	1.1	50.0
Dibromomethane	Ave	0.1189	0.1175		9.87	10.0	-1.3	20.0
Dichlorobromomethane	Ave	0.3320	0.3021		9.10	10.0	-9.0	20.0
cis-1,3-Dichloropropene	Ave	0.3343	0.3261		9.76	10.0	-2.4	20.0
Toluene	Ave	1.161	1.151		9.92	10.0	-0.8	20.0
trans-1,3-Dichloropropene	Ave	0.2378	0.2372		9.97	10.0	-0.3	20.0
1,1,2-Trichloroethane	Ave	0.1222	0.1229		10.1	10.0	0.6	20.0
1,3-Dichloropropane	Ave	1.072	1.055		9.84	10.0	-1.6	20.0
Tetrachloroethene	Ave	1.545	1.578		10.2	10.0	2.1	20.0
Chlorodibromomethane	Ave	0.9507	0.9125		9.60	10.0	-4.0	20.0
Ethylene Dibromide	Ave	0.6361	0.6341		9.97	10.0	-0.3	20.0
1-Chlorohexane	Ave	2.243	2.357		10.8	10.2	5.1	35.0
Chlorobenzene	Ave	3.620	3.477	0.3000	9.60	10.0	-4.0	20.0
Ethylbenzene	Ave	1.990	1.990		10.0	10.0	-0.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab Sample ID: CCV 280-126338/2 Calibration Date: 07/02/2012 06:43

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6857.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,1,2-Tetrachloroethane	Ave	1.213	1.125		9.28	10.0	-7.2	20.0
m-Xylene & p-Xylene	Ave	2.441	2.449		20.1	20.0	0.3	20.0
o-Xylene	Ave	2.202	2.195		9.97	10.0	-0.3	20.0
Styrene	Ave	3.210	2.984		9.30	10.0	-7.0	20.0
Bromoform	Ave	0.5326	0.4976	0.1000	9.34	10.0	-6.6	20.0
Isopropylbenzene	Ave	4.198	4.217		10.0	10.0	0.5	20.0
1,1,2,2-Tetrachloroethane	Lin1	0.4145	0.3907	0.3000	9.43	10.0	-5.7	20.0
1,2,3-Trichloropropane	Ave	0.0973	0.0984		10.1	10.0	1.1	20.0
Bromobenzene	Ave	0.9659	0.9778		10.1	10.0	1.2	20.0
N-Propylbenzene	Ave	1.147	1.188		10.4	10.0	3.5	20.0
1,3,5-Trimethylbenzene	Ave	3.343	3.259		9.75	10.0	-2.5	20.0
2-Chlorotoluene	Ave	1.001	1.009		10.1	10.0	0.8	20.0
4-Chlorotoluene	Ave	0.9519	0.9939		10.4	10.0	4.4	20.0
tert-Butylbenzene	Ave	2.964	3.037		10.2	10.0	2.4	20.0
1,2,4-Trimethylbenzene	Ave	3.262	3.278		10.1	10.0	0.5	20.0
sec-Butylbenzene	Ave	0.9141	0.9697		10.6	10.0	6.1	20.0
4-Isopropyltoluene	Ave	3.776	3.872		10.3	10.0	2.5	20.0
1,3-Dichlorobenzene	Ave	1.867	1.920		10.3	10.0	2.9	20.0
1,4-Dichlorobenzene	Ave	1.825	1.827		10.0	10.0	0.1	20.0
n-Butylbenzene	Ave	3.900	3.941		10.1	10.0	1.0	20.0
1,2-Dichlorobenzene	Ave	1.429	1.484		10.4	10.0	3.8	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0634	0.0631		9.94	10.0	-0.6	20.0
1,2,4-Trichlorobenzene	Ave	1.028	1.055		10.3	10.0	2.6	20.0
Hexachlorobutadiene	Ave	0.9728	0.9440		9.70	10.0	-3.0	20.0
Naphthalene	Ave	0.9476	0.9731		10.3	10.0	2.7	20.0
1,2,3-Trichlorobenzene	Ave	0.7670	0.7894		10.3	10.0	2.9	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6857.D
Lab Smp Id: CCV
Inj Date : 02-JUL-2012 06:43
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,M 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main-Chlometh.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.564	8.564	(1.000)	1468900	12.5000	
* 88 Chlorobenzene-d5	119	11.434	11.434	(1.000)	311657	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.047	14.047	(1.000)	472261	12.5000	
M 2 1,2-Dichloroethene (total)	96				800770	20.0000	19.6358
M 1 Trihalomethanes (total)	100				1334223	40.0000	37.0381
M 4 1,3-Dichloropropene (total)	100				661991	20.0000	19.7302
M 3 Xylene (total)	106				1768325	30.0000	30.0344
7 dichlorodifluoromethane	85	4.462	4.462	(0.521)	403662	10.0000	9.96133
10 Vinyl Chloride	62	4.876	4.876	(0.569)	341944	10.0000	9.11717
12 Bromomethane	94	5.291	5.291	(0.618)	299960	10.0000	8.54829
13 Chloroethane	64	5.350	5.350	(0.625)	199395	10.0000	8.22516
15 Trichlorofluoromethane	101	5.665	5.665	(0.661)	629931	10.0000	9.92981
16 Ethanol	45	5.655	5.655	(0.660)	49642	500.000	542.083
22 Acrolein	56	5.971	5.971	(0.697)	142498	100.000	95.4705
24 Acetone	43	6.089	6.089	(0.711)	107390	40.0000	36.4170
25 1,1-Dichloroethene	96	6.109	6.109	(0.713)	388242	10.0000	9.85172
26 Iodomethane	142	6.316	6.316	(0.737)	778743	10.0000	9.65687
28 Acetonitrile	41	6.365	6.365	(0.743)	103368	100.000	99.9478
31 tert-Butyl alcohol	59	6.474	6.474	(0.756)	131907	200.000	185.912
32 Methylene Chloride	84	6.513	6.513	(0.761)	328657	10.0000	10.2651
33 Acrylonitrile	53	6.691	6.691	(0.781)	324265	100.000	102.966
35 trans-1,2-Dichloroethene	96	6.750	6.750	(0.788)	415999	10.0000	9.78885

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
38 Isopropyl ether	87	7.036	7.036	(0.822)	938028	50.0000	49.0491
39 1,1-Dichloroethane	63	7.105	7.105	(0.830)	676222	10.0000	9.61028
40 Chloroprene	53	7.174	7.174	(0.838)	532015	10.0000	7.90512
43 2-Butanone	43	7.529	7.529	(0.879)	162677	40.0000	39.5704
45 cis-1,2-Dichloroethene	96	7.588	7.588	(0.886)	384771	10.0000	9.84699
46 Propionitrile	54	7.608	7.608	(0.888)	115332	100.000	103.554
47 2,2-Dichloropropane	77	7.618	7.618	(0.889)	543687	10.0000	9.60069
48 Methacrylonitrile	41	7.736	7.736	(0.903)	598009	100.000	98.9538
49 Bromochloromethane	128	7.815	7.815	(0.912)	142914	10.0000	9.68494
50 Chloroform	83	7.815	7.815	(0.912)	627672	10.0000	8.99891
54 1,1,1-Trichloroethane	97	8.052	8.052	(0.940)	591523	10.0000	9.21443
53 Isobutanol	41	8.032	8.032	(0.938)	48195	200.000	197.411
56 1,1-Dichloropropene	75	8.160	8.160	(0.953)	560500	10.0000	9.66515
57 Carbon Tetrachloride	117	8.209	8.209	(0.959)	558743	10.0000	9.23843
60 1,2-Dichloroethane	62	8.357	8.357	(0.976)	273886	10.0000	9.61428
61 Benzene	78	8.367	8.367	(0.977)	1284434	10.0000	9.39839
63 n-Butanol	56	8.594	8.594	(1.003)	66646	300.000	277.301
64 Trichloroethene	95	8.880	8.880	(1.037)	380713	10.0000	9.22795
68 1,2-Dichloropropane	63	9.097	9.097	(1.062)	287933	10.0000	9.80997
69 1,4-Dioxane	88	9.156	9.156	(1.069)	40713	500.000	505.544
70 Dibromomethane	93	9.225	9.225	(1.077)	138016	10.0000	9.87435
71 Bromodichloromethane	83	9.304	9.304	(1.086)	354993	10.0000	9.09971
74 cis-1,3-Dichloropropene	75	9.679	9.679	(1.130)	383228	10.0000	9.75527
75 4-Methyl-2-pentanone	43	9.748	9.748	(1.138)	354095	40.0000	38.8241
77 Toluene	91	10.024	10.024	(1.170)	1352390	10.0000	9.91524
79 trans-1,3-Dichloropropene	75	10.152	10.152	(1.185)	278763	10.0000	9.97498
80 1,1,2-Trichloroethane	97	10.369	10.369	(1.211)	144430	10.0000	10.0610
81 2-Hexanone	43	10.507	10.507	(0.919)	235291	40.0000	37.6826
82 1,3-Dichloropropane	76	10.547	10.547	(0.922)	262994	10.0000	9.83749
83 Tetrachloroethene	164	10.566	10.566	(0.924)	393427	10.0000	10.2142
84 Dibromochloromethane	129	10.813	10.813	(0.946)	227499	10.0000	9.59758
86 1,2-Dibromoethane	107	10.990	10.990	(0.961)	158098	10.0000	9.96783
87 1-Chlorohexane	91	11.296	11.296	(0.988)	602451	10.0000	10.7740
89 Chlorobenzene	112	11.474	11.474	(1.003)	866946	10.0000	9.60444
90 1,1,1,2-Tetrachloroethane	131	11.523	11.523	(1.008)	280577	10.0000	9.27783
91 Ethylbenzene	106	11.513	11.513	(1.007)	496169	10.0000	9.99955
92 m and p-Xylene	106	11.631	11.631	(1.017)	1220965	20.0000	20.0641
93 o-Xylene	106	12.124	12.124	(1.060)	547360	10.0000	9.97024
94 Styrene	104	12.134	12.134	(1.061)	744043	10.0000	9.29562
95 Bromoform	173	12.440	12.440	(1.088)	124059	10.0000	9.34194
96 isopropyl benzene	105	12.519	12.519	(0.891)	1593296	10.0000	10.0469
98 Cyclohexanone	55	12.716	12.716	(1.112)	118276	400.000	368.330
100 1,1,2,2-Tetrachloroethane	83	12.825	12.825	(0.913)	147598	10.0000	9.42586
102 1,2,3-Trichloropropane	110	12.923	12.923	(0.920)	37174	10.0000	10.1150(Q)
103 Bromobenzene	156	12.963	12.963	(0.923)	369427	10.0000	10.1235
104 n-Propylbenzene	120	12.963	12.963	(0.923)	448750	10.0000	10.3532
106 2-Chlorotoluene	126	13.130	13.130	(0.935)	381329	10.0000	10.0847
105 1,3,5-Trimethylbenzene	105	13.120	13.120	(0.934)	1231246	10.0000	9.74867
107 4-Chlorotoluene	126	13.239	13.239	(0.942)	375485	10.0000	10.4412
108 tert-Butylbenzene	119	13.515	13.515	(0.962)	1147291	10.0000	10.2442
109 1,2,4-Trimethylbenzene	105	13.564	13.564	(0.966)	1238590	10.0000	10.0509
110 sec-Butylbenzene	134	13.761	13.761	(0.980)	366353	10.0000	10.6079
111 4-Isopropyltoluene	119	13.899	13.899	(0.989)	1462873	10.0000	10.2534
112 1,3-Dichlorobenzene	146	13.978	13.978	(0.995)	725490	10.0000	10.2877

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
114 1,4-dichlorobenzene	146	14.077	14.077	(1.002)	690418	10.0000	10.0140
116 n-Butylbenzene	91	14.402	14.402	(1.025)	1488943	10.0000	10.1041
117 1,2-Dichlorobenzene	146	14.560	14.560	(1.037)	560589	10.0000	10.3804
118 1,2-Dibromo-3-chloropropane	157	15.566	15.566	(1.108)	23822	10.0000	9.94077
120 1,2,4-Trichlorobenzene	180	16.789	16.789	(1.195)	398543	10.0000	10.2621
121 Hexachlorobutadiene	225	16.986	16.986	(1.209)	356665	10.0000	9.70383
122 Naphthalene	128	17.252	17.252	(1.228)	367658	10.0000	10.2691
123 1,2,3-Trichlorobenzene	180	17.657	17.657	(1.257)	298253	10.0000	10.2924

QC Flag Legend

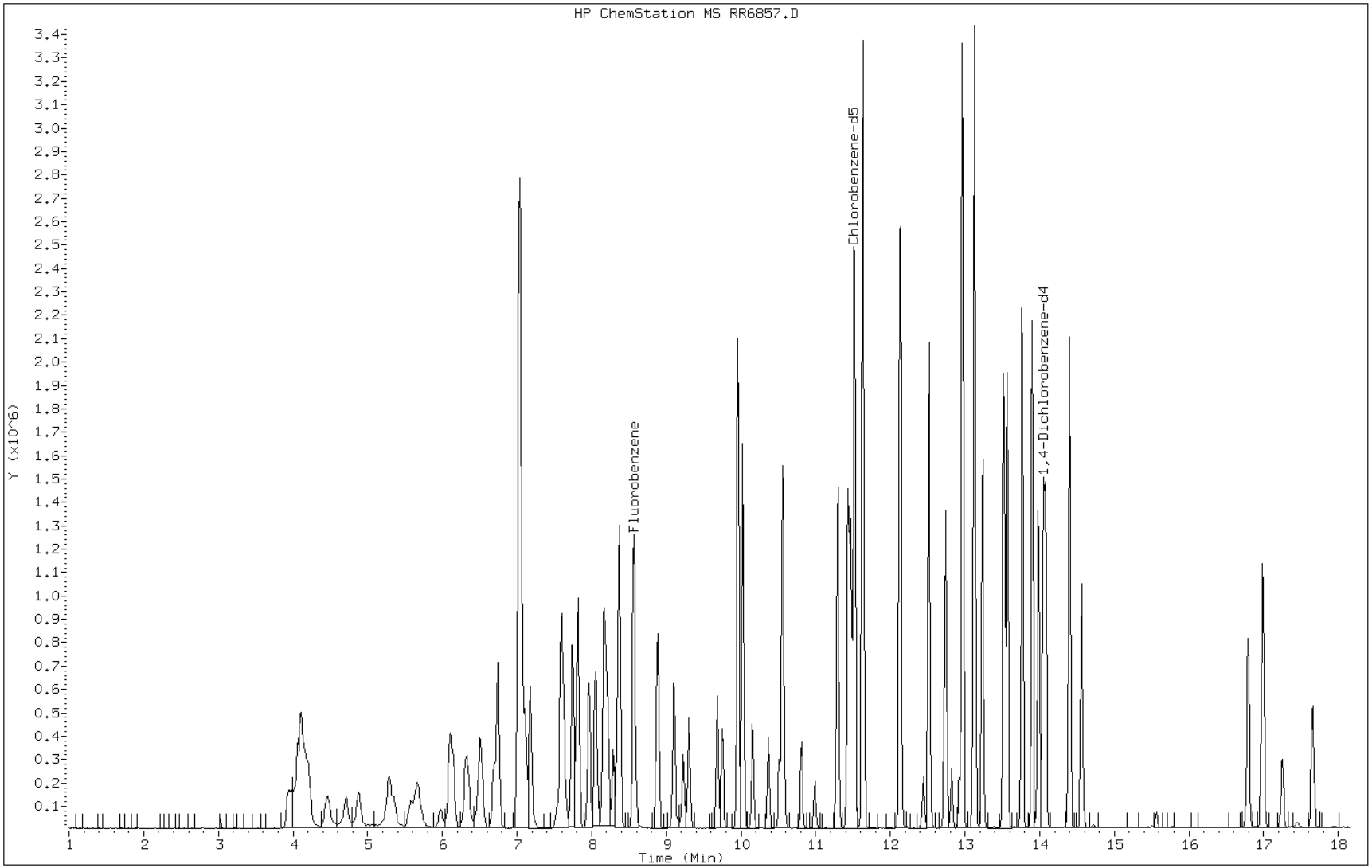
Q - Qualifier signal failed the ratio test.

Data File: RR6857.D

Date: 02-JUL-2012 06:43

Client ID: Instrument: R2.i

Sample Info: CCV,,M 5uL Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab Sample ID: CCV 280-126338/3 Calibration Date: 07/02/2012 07:27

Instrument ID: MSV_R2 Calib Start Date: 06/14/2012 07:32

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/14/2012 09:23

Lab File ID: RR6859.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.7189	0.6099		8.48	10.0	-15.2	50.0
Ethyl ether	Ave	0.1209	0.1094		9.05	10.0	-9.5	35.0
Isopropyl alcohol	Ave	0.0047	0.0044		186	200	-7.1	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.5501	0.4946		8.99	10.0	-10.1	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2920	0.2613		8.95	10.0	-10.5	50.0
Methyl acetate	Ave	0.0607	0.0644		53.0	50.0	6.0	50.0
Allyl chloride	Ave	0.4807	0.4320		8.99	10.0	-10.1	35.0
Carbon disulfide	Ave	1.356	1.198		8.83	10.0	-11.7	20.0
Methyl tert-butyl ether	Ave	0.3366	0.3046		9.05	10.0	-9.5	20.0
Hexane	Ave	2.336	2.351		10.1	10.0	0.6	20.0
Vinyl acetate	Ave	0.2479	0.1825		14.7	20.0	-26.4	50.0
Tert-butyl ethyl ether	Ave	0.5682	0.5038		44.3	50.0	-11.3	35.0
Ethyl acetate	Ave	0.0944	0.0816		17.3	20.0	-13.6	50.0
2-Butanol	Ave	0.0052	0.0049		278	300	-7.2	50.0
Tetrahydrofuran	Ave	0.0208	0.0181		17.4	20.0	-13.2	50.0
Cyclohexane	Ave	0.5574	0.5378		9.65	10.0	-3.5	35.0
Tert-amyl methyl ether	Ave	0.4054	0.3607		44.5	50.0	-11.0	35.0
2-Pentanone	Ave	0.0635	0.0543		34.2	40.0	-14.6	50.0
Methyl methacrylate	Ave	0.0214	0.0200		18.7	20.0	-6.5	35.0
Methylcyclohexane	Ave	0.4888	0.4609		9.43	10.0	-5.7	35.0
2-Chloroethyl vinyl ether	Ave	0.0583	0.0523		8.97	10.0	-10.3	50.0
2-Nitropropane	Ave	0.0220	0.0180		8.20	10.0	-18.0	50.0
Ethyl methacrylate	Ave	0.6161	0.5379		17.5	20.0	-12.7	35.0
cis-1,4-Dichloro-2-butene	Ave	0.1110	0.0543		4.89	10.0	-51.1*	50.0
trans-1,4-Dichloro-2-butene	Lin1	0.0907	0.0720		7.33	10.0	-26.7	50.0
Dibromofluoromethane (Surr)	Lin2	0.4864	0.3781		9.76	11.3	-13.3	20.0
1,2-Dichloroethane-d4 (Surr)	Lin	0.3193	0.2360		9.20	11.3	-18.2	20.0
Toluene-d8 (Surr)	Lin1	7.226	6.164		11.3	11.3	0.7	20.0
4-Bromofluorobenzene (Surr)	Lin2	1.493	1.201		10.3	11.3	-8.0	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6859.D
Lab Smp Id: CCV
Inj Date : 02-JUL-2012 07:27
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,S 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.566	8.566	(1.000)	1517888	12.5000	
* 88 Chlorobenzene-d5	119	11.435	11.435	(1.000)	302470	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.049	14.049	(1.000)	421263	12.5000	
$ 52 Dibromofluoromethane (Surr)	111	7.964	7.964	(0.930)	516571	10.0000	9.75892
$ 58 1,2-Dichloroethane-d4	65	8.290	8.290	(0.968)	322411	10.0000	9.20026
$ 76 Toluene-d8	98	9.956	9.956	(0.871)	1677853	10.0000	11.3238
$ 99 4-Bromofluorobenzene (Surr)	95	12.737	12.737	(0.907)	455214	10.0000	10.3480
11 Ethylene Oxide	43	5.203	5.203	(0.607)	518214	1250.00	871.842
14 Dichlorofluoromethane	67	5.538	5.538	(0.647)	740602	10.0000	8.48380
17 1,2-dichloro-1,1,2-trifluoroe	117	5.805	5.805	(0.678)	395746	10.0000	9.39260
21 Propylene Oxide	58	5.923	5.923	(0.691)	964089	500.000	439.277
19 Ethyl Ether	59	5.805	5.805	(0.678)	132796	10.0000	9.04568
20 2,2-dichloro-1,1,1-trifluoroe	83	5.844	5.844	(0.682)	600593	10.0000	8.99136
23 Trichlorotrifluoroethane	151	6.090	6.090	(0.711)	317278	10.0000	8.94860
18 2-propanol	45	5.805	5.805	(0.678)	107088	200.000	185.891
27 Methyl Acetate	43	6.347	6.347	(0.741)	390844	50.0000	53.0234
29 Allyl Chloride	41	6.406	6.406	(0.748)	524523	10.0000	8.98530
30 Carbon Disulfide	76	6.416	6.416	(0.749)	1454584	10.0000	8.83428
34 Methyl t-butyl ether	73	6.702	6.702	(0.782)	369865	10.0000	9.04824
36 Hexane	57	6.919	6.919	(0.605)	568892	10.0000	10.0642
37 Vinyl acetate	43	7.037	7.037	(0.822)	443142	20.0000	14.7229
41 ETBE	59	7.353	7.353	(0.858)	3058908	50.0000	44.3310

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
42 Ethyl Acetate	43	7.511	7.511	(0.877)	198180	20.0000	17.2850
44 2-Butanol	45	7.580	7.580	(0.885)	176840	300.000	278.438
51 Tetrahydrofuran	42	7.846	7.846	(0.916)	43858	20.0000	17.3540
55 Cyclohexane	56	8.122	8.122	(0.948)	653049	10.0000	9.64788
59 TAME	73	8.349	8.349	(0.975)	2190244	50.0000	44.4960
65 2-Pentanone	43	8.931	8.931	(1.043)	263518	40.0000	34.1714
67 Methyl Cyclohexane	55	9.088	9.088	(1.061)	559621	10.0000	9.42742
66 Methyl Methacrylate	100	9.029	9.029	(1.054)	48594	20.0000	18.6980
73 2-nitropropane	41	9.483	9.483	(1.107)	21872	10.0000	8.19798
72 2-Chloroethyl vinyl ether	63	9.463	9.463	(1.105)	63461	10.0000	8.96772
78 Ethyl methacrylate	69	10.124	10.124	(0.885)	260299	20.0000	17.4608
85 Tetrahydrothiophene	60	10.863	10.863	(0.950)	39762	10.0000	5.98270
97 cis-1,4-dichloro-2-butene	53	12.569	12.569	(0.895)	18293	10.0000	4.89220
101 t-1,4-Dichloro-2-butene	53	12.875	12.875	(0.916)	24270	10.0000	7.33455
115 1,2,3-Trimethylbenzene	105	14.078	14.078	(1.002)	885302	10.0000	8.42690
119 Tetralin	104	Compound Not Detected.					

Data File: RR6859.D

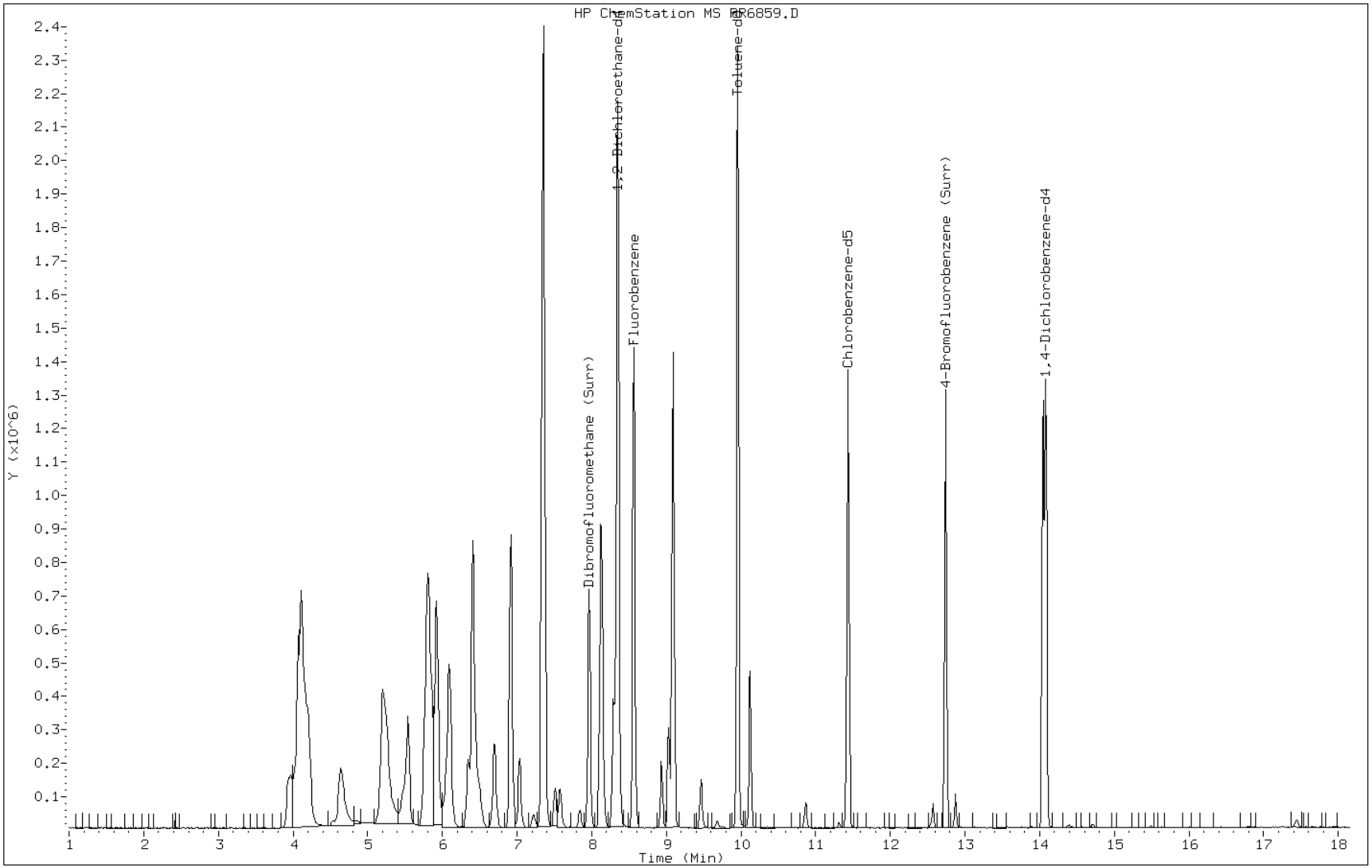
Date: 02-JUL-2012 07:27

Client ID:

Instrument: R2.i

Sample Info: CCV,,S 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab Sample ID: CCV 280-126338/4 Calibration Date: 07/02/2012 07:49

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6860.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chloromethane	Ave	0.2969	0.3009	0.1000	10.1	10.0	1.4	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6860.D
Lab Smp Id: CCV
Inj Date : 02-JUL-2012 07:49
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,G 5uL Q4 v11->v12
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-Chlorometh.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

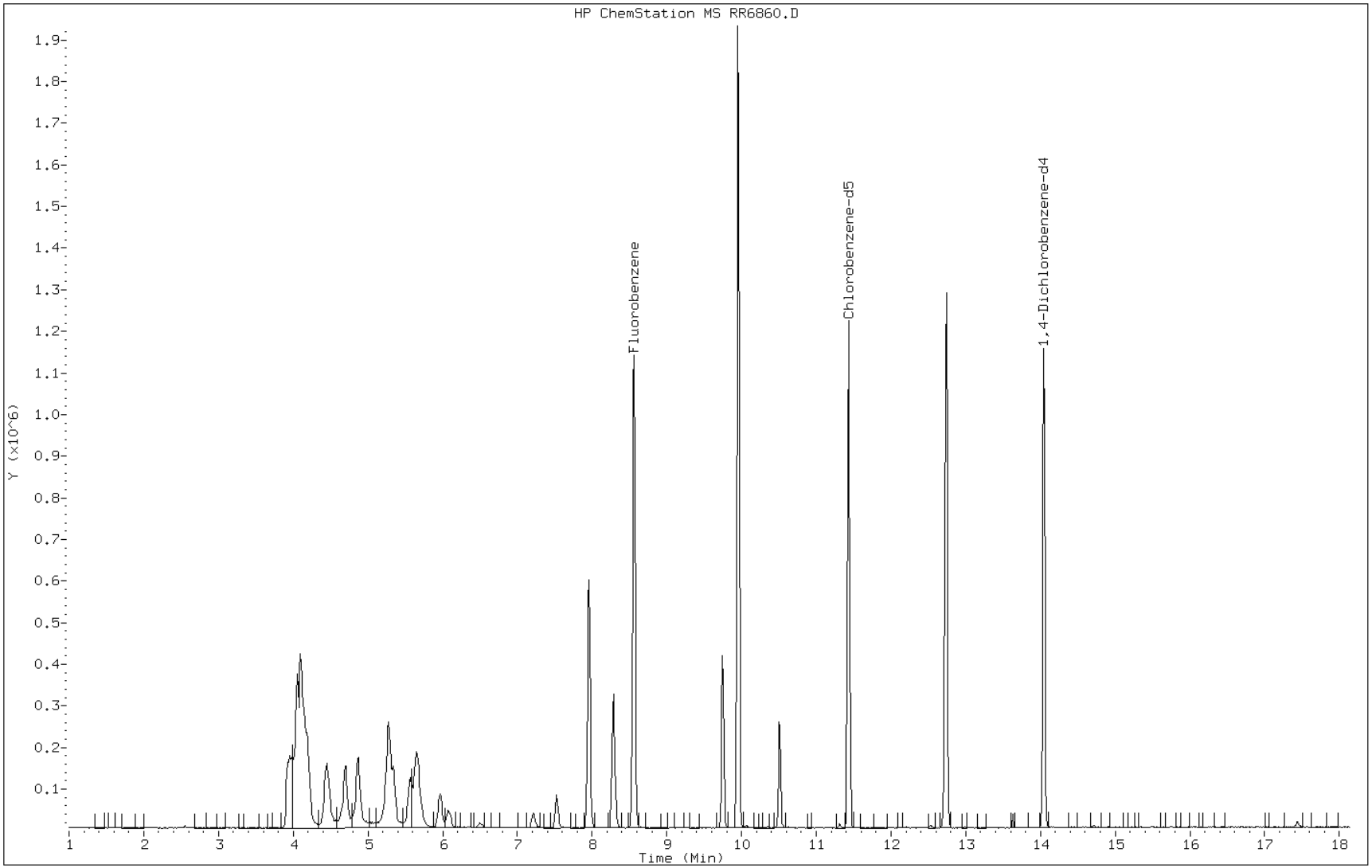
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.561	8.561	(1.000)	1306497	12.5000	
* 88 Chlorobenzene-d5	119	11.430	11.430	(1.000)	262206	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.044	14.044	(1.000)	368815	12.5000	
9 Chloromethane	50	4.705	4.705	(0.550)	314515	10.0000	10.1351

Data File: RR6860.D

Date: 02-JUL-2012 07:49

Client ID: Instrument: R2.i

Sample Info: CCV,,G 5uL Q4 v11->v12 Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab Sample ID: CCV 280-126520/2 Calibration Date: 07/03/2012 06:13

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6920.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3471	0.3179		18.3	20.0	-8.4	20.0
Xylenes, Total	Ave	2.361	2.226		28.3	30.0	-5.7	35.0
Dichlorodifluoromethane	Ave	0.3448	0.3296		9.56	10.0	-4.4	20.0
Vinyl chloride	Ave	0.3192	0.2634		8.25	10.0	-17.5	20.0
Bromomethane	Ave	0.2986	0.2640		8.84	10.0	-11.6	20.0
Ethanol	Ave	0.0008	0.0008		512	500	2.5	50.0
Trichlorofluoromethane	Ave	0.5398	0.5282		9.78	10.0	-2.2	20.0
Acrolein	Ave	0.0127	0.0116		91.1	99.5	-8.4	50.0
Acetone	Lin	0.0307	0.0223		35.3	40.0	-11.8	20.0
1,1-Dichloroethene	Ave	0.3354	0.3021		9.01	10.0	-9.9	20.0
Iodomethane	Ave	0.6862	0.5974		8.71	10.0	-12.9	35.0
Acetonitrile	Ave	0.0088	0.0088		100	100	0.4	50.0
2-Methyl-2-propanol	Ave	0.0060	0.0048		160	200	-19.8	50.0
Methylene Chloride	Lin	0.2999	0.2724		9.98	10.0	-0.2	20.0
Acrylonitrile	Ave	0.0268	0.0260		96.9	100	-3.1	50.0
trans-1,2-Dichloroethene	Ave	0.3616	0.3338		9.23	10.0	-7.7	20.0
Isopropyl ether	Ave	0.1627	0.1471		45.2	50.0	-9.6	35.0
1,1-Dichloroethane	Ave	0.5988	0.5454	0.1000	9.11	10.0	-8.9	20.0
2-Chloro-1,3-butadiene	Ave	0.5727	0.4141		7.23	10.0	-27.7	35.0
2-Butanone (MEK)	Ave	0.0350	0.0308		35.2	40.0	-12.1	20.0
cis-1,2-Dichloroethene	Ave	0.3325	0.3020		9.08	10.0	-9.2	20.0
2,2-Dichloropropane	Ave	0.4819	0.4245		8.81	10.0	-11.9	20.0
Propionitrile	Ave	0.0095	0.0089		94.0	100	-6.0	50.0
Methacrylonitrile	Ave	0.0514	0.0469		91.3	100	-8.7	50.0
Chlorobromomethane	Ave	0.1256	0.1173		9.34	10.0	-6.6	20.0
Chloroform	Ave	0.5936	0.5127		8.64	10.0	-13.6	20.0
Isobutyl alcohol	Ave	0.0021	0.0020		189	200	-5.4	50.0
1,1,1-Trichloroethane	Ave	0.5463	0.4771		8.73	10.0	-12.7	20.0
1,1-Dichloropropene	Ave	0.4935	0.4413		8.94	10.0	-10.6	20.0
Carbon tetrachloride	Ave	0.5147	0.4531		8.80	10.0	-12.0	20.0
1,2-Dichloroethane	Ave	0.2424	0.2256		9.31	10.0	-6.9	20.0
Benzene	Ave	1.163	1.034		8.89	10.0	-11.1	20.0
Trichloroethene	Ave	0.3511	0.3232		9.20	10.0	-8.0	20.0
1,2-Dichloropropane	Ave	0.2498	0.2413		9.66	10.0	-3.4	20.0
1,4-Dioxane	Ave	0.0007	0.0006		422	500	-15.7	50.0
Dibromomethane	Ave	0.1189	0.1113		9.35	10.0	-6.5	20.0
Dichlorobromomethane	Ave	0.3320	0.2919		8.79	10.0	-12.1	20.0
cis-1,3-Dichloropropene	Ave	0.3343	0.2916		8.72	10.0	-12.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0776	0.0702		36.2	40.0	-9.6	20.0
Toluene	Ave	1.161	1.082		9.32	10.0	-6.8	20.0
trans-1,3-Dichloropropene	Ave	0.2378	0.2163		9.10	10.0	-9.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab Sample ID: CCV 280-126520/2 Calibration Date: 07/03/2012 06:13

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6920.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,2-Trichloroethane	Ave	0.1222	0.1190		9.74	10.0	-2.6	20.0
2-Hexanone	Ave	0.2504	0.2191		35.0	40.0	-12.5	20.0
1,3-Dichloropropane	Ave	1.072	1.031		9.62	10.0	-3.8	20.0
Tetrachloroethene	Ave	1.545	1.511		9.78	10.0	-2.2	20.0
Chlorodibromomethane	Ave	0.9507	0.8714		9.17	10.0	-8.3	20.0
Ethylene Dibromide	Ave	0.6361	0.6112		9.61	10.0	-3.9	20.0
1-Chlorohexane	Ave	2.243	2.172		9.92	10.2	-3.2	35.0
Chlorobenzene	Ave	3.620	3.365	0.3000	9.29	10.0	-7.1	20.0
1,1,1,2-Tetrachloroethane	Ave	1.213	1.099		9.06	10.0	-9.4	20.0
Ethylbenzene	Ave	1.990	1.920		9.65	10.0	-3.5	20.0
m-Xylene & p-Xylene	Ave	2.441	2.295		18.8	20.0	-6.0	20.0
o-Xylene	Ave	2.202	2.088		9.48	10.0	-5.2	20.0
Styrene	Ave	3.210	3.015		9.39	10.0	-6.1	20.0
Bromoform	Ave	0.5326	0.4685	0.1000	8.80	10.0	-12.0	20.0
Isopropylbenzene	Ave	4.198	3.888		9.26	10.0	-7.4	20.0
Cyclohexanone	Ave	0.0129	0.0099		307	400	-23.2	50.0
1,1,2,2-Tetrachloroethane	Lin1	0.4145	0.3652	0.3000	8.81	10.0	-11.9	20.0
1,2,3-Trichloropropane	Ave	0.0973	0.0955		9.81	10.0	-1.9	20.0
N-Propylbenzene	Ave	1.147	1.092		9.52	10.0	-4.8	20.0
Bromobenzene	Ave	0.9659	0.9152		9.48	10.0	-5.2	20.0
1,3,5-Trimethylbenzene	Ave	3.343	3.046		9.11	10.0	-8.9	20.0
2-Chlorotoluene	Ave	1.001	0.9295		9.29	10.0	-7.1	20.0
4-Chlorotoluene	Ave	0.9519	0.9117		9.58	10.0	-4.2	20.0
tert-Butylbenzene	Ave	2.964	2.814		9.49	10.0	-5.1	20.0
1,2,4-Trimethylbenzene	Ave	3.262	2.992		9.17	10.0	-8.3	20.0
sec-Butylbenzene	Ave	0.9141	0.8794		9.62	10.0	-3.8	20.0
4-Isopropyltoluene	Ave	3.776	3.520		9.32	10.0	-6.8	20.0
1,3-Dichlorobenzene	Ave	1.867	1.777		9.52	10.0	-4.8	20.0
1,4-Dichlorobenzene	Ave	1.825	1.667		9.14	10.0	-8.6	20.0
n-Butylbenzene	Ave	3.900	3.588		9.20	10.0	-8.0	20.0
1,2-Dichlorobenzene	Ave	1.429	1.384		9.68	10.0	-3.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0634	0.0568		8.95	10.0	-10.5	20.0
1,2,4-Trichlorobenzene	Ave	1.028	0.9177		8.93	10.0	-10.7	20.0
Hexachlorobutadiene	Ave	0.9728	0.8649		8.89	10.0	-11.1	20.0
Naphthalene	Ave	0.9476	0.8185		8.64	10.0	-13.6	20.0
1,2,3-Trichlorobenzene	Ave	0.7670	0.6859		8.94	10.0	-10.6	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6920.D
Lab Smp Id: CCV
Inj Date : 03-JUL-2012 06:13
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,M 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 08:09 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main-chlor.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
*	62 Fluorobenzene	96	8.561	8.562	(1.000)	1330236	12.5000		
*	88 Chlorobenzene-d5	119	11.431	11.431	(1.000)	272553	12.5000		
*	113 1,4-Dichlorobenzene-d4	152	14.044	14.044	(1.000)	430541	12.5000		(Q)
M	2 1,2-Dichloroethene (total)	96				676572	20.0000	18.3113	
M	1 Trihalomethanes (total)	100				1148409	40.0000	35.3927	
M	4 1,3-Dichloropropene (total)	100				540490	20.0000	17.8180	
M	3 Xylene (total)	106				1456155	30.0000	28.2899	
	7 dichlorodifluoromethane	85	4.449	4.449	(0.520)	350771	10.0000	9.55843	
	10 Vinyl Chloride	62	4.873	4.873	(0.569)	280352	10.0000	8.25414	
	12 Bromomethane	94	5.278	5.278	(0.616)	280946	10.0000	8.84102	
	15 Trichlorofluoromethane	101	5.662	5.662	(0.661)	562094	10.0000	9.78409	
	16 Ethanol	45	5.652	5.652	(0.660)	42498	500.000	512.446	
	22 Acrolein	56	5.978	5.978	(0.698)	123106	100.000	91.0759	
	24 Acetone	43	6.096	6.096	(0.712)	94749	40.0000	35.2972	
	25 1,1-Dichloroethene	96	6.106	6.106	(0.713)	321515	10.0000	9.00896	
	26 Iodomethane	142	6.313	6.313	(0.737)	635738	10.0000	8.70531	
	28 Acetonitrile	41	6.372	6.372	(0.744)	94037	100.000	100.404	
	31 tert-Butyl alcohol	59	6.461	6.461	(0.755)	103108	200.000	160.471	
	32 Methylene Chloride	84	6.510	6.510	(0.760)	289857	10.0000	9.97550	
	33 Acrylonitrile	53	6.688	6.688	(0.781)	276469	100.000	96.9397	
	35 trans-1,2-Dichloroethene	96	6.747	6.747	(0.788)	355188	10.0000	9.22914	
	38 Isopropyl ether	87	7.033	7.033	(0.821)	782695	50.0000	45.1930	
	39 1,1-Dichloroethane	63	7.112	7.112	(0.831)	580405	10.0000	9.10838	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
40 Chloroprene	53	7.181	7.181	(0.839)	440711	10.0000	7.23106
43 2-Butanone	43	7.526	7.526	(0.879)	130937	40.0000	35.1698
45 cis-1,2-Dichloroethene	96	7.585	7.585	(0.886)	321384	10.0000	9.08216
46 Propionitrile	54	7.615	7.615	(0.889)	94854	100.000	94.0451
47 2,2-Dichloropropane	77	7.615	7.615	(0.889)	451728	10.0000	8.80834
48 Methacrylonitrile	41	7.743	7.743	(0.904)	499553	100.000	91.2787
49 Bromochloromethane	128	7.812	7.812	(0.912)	124804	10.0000	9.33930
50 Chloroform	83	7.822	7.822	(0.914)	545624	10.0000	8.63802
54 1,1,1-Trichloroethane	97	8.049	8.049	(0.940)	507741	10.0000	8.73378
53 Isobutanol	41	8.039	8.039	(0.939)	41819	200.000	189.150
56 1,1-Dichloropropene	75	8.167	8.167	(0.954)	469651	10.0000	8.94276
57 Carbon Tetrachloride	117	8.206	8.206	(0.959)	482210	10.0000	8.80412
60 1,2-Dichloroethane	62	8.354	8.354	(0.976)	240059	10.0000	9.30526
61 Benzene	78	8.364	8.364	(0.977)	1100652	10.0000	8.89314
63 n-Butanol	56	8.591	8.591	(1.003)	56579	300.000	256.676
64 Trichloroethene	95	8.877	8.877	(1.037)	343906	10.0000	9.20472
68 1,2-Dichloropropane	63	9.094	9.094	(1.062)	256806	10.0000	9.66151
69 1,4-Dioxane	88	9.163	9.163	(1.070)	30753	500.000	421.674
70 Dibromomethane	93	9.222	9.222	(1.077)	118413	10.0000	9.35496
71 Bromodichloromethane	83	9.301	9.301	(1.086)	310620	10.0000	8.79226
74 cis-1,3-Dichloropropene	75	9.685	9.685	(1.131)	310273	10.0000	8.72146
75 4-Methyl-2-pentanone	43	9.745	9.745	(1.138)	298756	40.0000	36.1711
77 Toluene	91	10.021	10.021	(1.170)	1151385	10.0000	9.32149
79 trans-1,3-Dichloropropene	75	10.159	10.159	(1.187)	230217	10.0000	9.09658
80 1,1,2-Trichloroethane	97	10.366	10.366	(1.211)	126677	10.0000	9.74418
81 2-Hexanone	43	10.514	10.514	(0.920)	191071	40.0000	34.9910
82 1,3-Dichloropropane	76	10.543	10.543	(0.922)	224796	10.0000	9.61508
83 Tetrachloroethene	164	10.563	10.563	(0.924)	329507	10.0000	9.78207
84 Dibromochloromethane	129	10.810	10.810	(0.946)	190006	10.0000	9.16591
86 1,2-Dibromoethane	107	10.987	10.987	(0.961)	133271	10.0000	9.60807
87 1-Chlorohexane	91	11.293	11.293	(0.988)	485334	10.0000	9.92476
89 Chlorobenzene	112	11.470	11.470	(1.003)	733714	10.0000	9.29464
90 1,1,1,2-Tetrachloroethane	131	11.520	11.520	(1.008)	239657	10.0000	9.06172
91 Ethylbenzene	106	11.520	11.520	(1.008)	418606	10.0000	9.64678
92 m and p-Xylene	106	11.628	11.628	(1.017)	1000871	20.0000	18.8070
93 o-Xylene	106	12.131	12.131	(1.061)	455284	10.0000	9.48289
94 Styrene	104	12.131	12.131	(1.061)	657354	10.0000	9.39086
95 Bromoform	173	12.437	12.437	(1.088)	102159	10.0000	8.79652
96 isopropyl benzene	105	12.516	12.516	(0.891)	1339119	10.0000	9.26237
98 Cyclohexanone	55	12.713	12.713	(1.112)	86293	400.000	307.285
100 1,1,2,2-Tetrachloroethane	83	12.821	12.821	(0.913)	125774	10.0000	8.81047
102 1,2,3-Trichloropropane	110	12.920	12.920	(0.920)	32878	10.0000	9.81292(Q)
103 Bromobenzene	156	12.969	12.969	(0.923)	315224	10.0000	9.47522
104 n-Propylbenzene	120	12.959	12.959	(0.923)	376092	10.0000	9.51766
106 2-Chlorotoluene	126	13.127	13.127	(0.935)	320139	10.0000	9.28690
105 1,3,5-Trimethylbenzene	105	13.117	13.117	(0.934)	1049192	10.0000	9.11219
107 4-Chlorotoluene	126	13.236	13.236	(0.942)	314015	10.0000	9.57804
108 tert-Butylbenzene	119	13.512	13.512	(0.962)	969199	10.0000	9.49260
109 1,2,4-Trimethylbenzene	105	13.561	13.561	(0.966)	1030530	10.0000	9.17286
110 sec-Butylbenzene	134	13.768	13.768	(0.980)	302885	10.0000	9.62000
111 4-Isopropyltoluene	119	13.896	13.896	(0.989)	1212488	10.0000	9.32195
112 1,3-Dichlorobenzene	146	13.985	13.985	(0.996)	611891	10.0000	9.51762
114 1,4-dichlorobenzene	146	14.074	14.074	(1.002)	574281	10.0000	9.13668
116 n-Butylbenzene	91	14.399	14.399	(1.025)	1235728	10.0000	9.19835

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
117 1,2-Dichlorobenzene	146	14.557	14.557	(1.037)	476617	10.0000	9.68070
118 1,2-Dibromo-3-chloropropane	157	15.563	15.563	(1.108)	19556	10.0000	8.95137
120 1,2,4-Trichlorobenzene	180	16.786	16.786	(1.195)	316090	10.0000	8.92770
121 Hexachlorobutadiene	225	16.983	16.983	(1.209)	297890	10.0000	8.89009
122 Naphthalene	128	17.249	17.249	(1.228)	281903	10.0000	8.63684
123 1,2,3-Trichlorobenzene	180	17.653	17.653	(1.257)	236241	10.0000	8.94240

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR6920.D

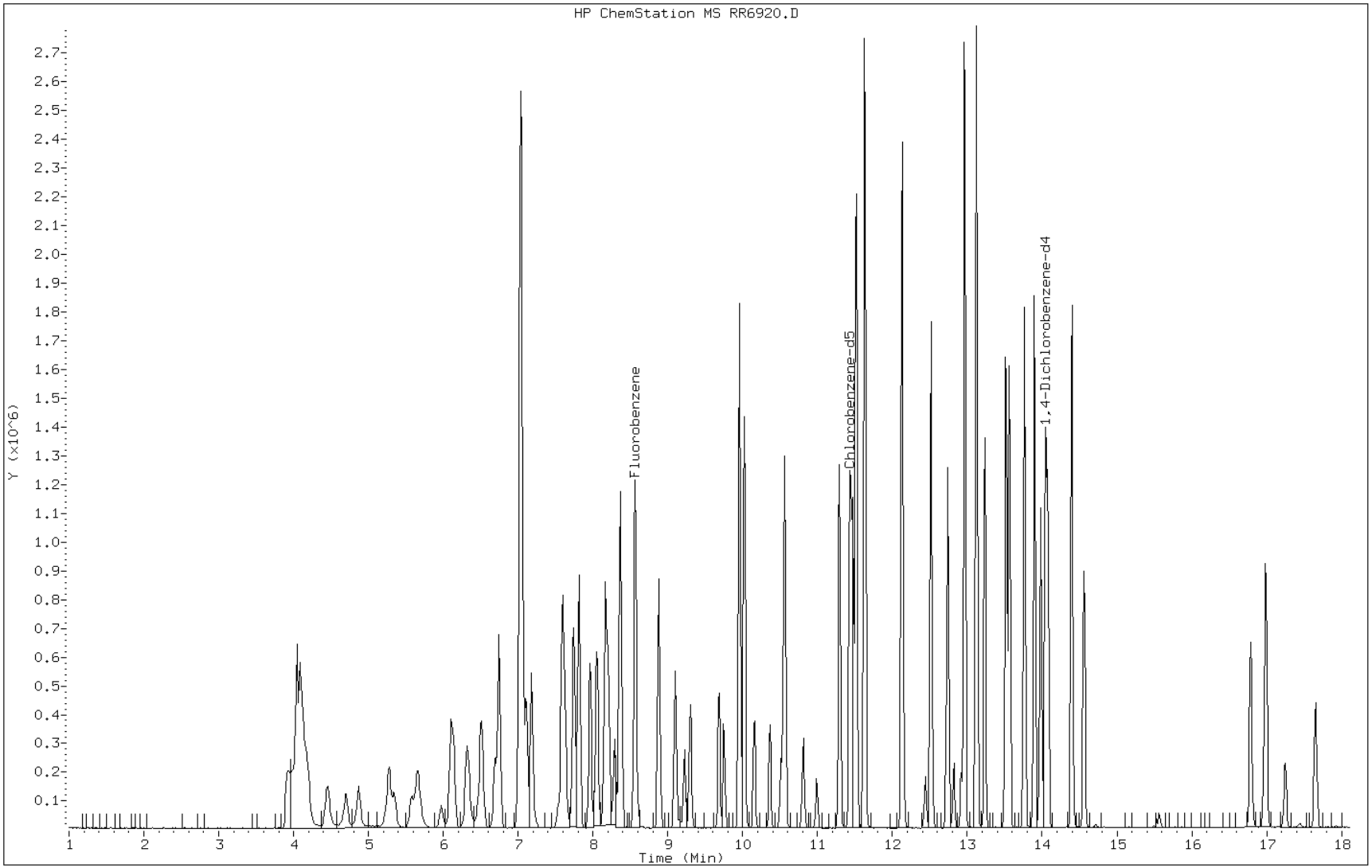
Date: 03-JUL-2012 06:13

Client ID:

Instrument: R2.i

Sample Info: CCV,,M 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab Sample ID: CCV 280-126520/3 Calibration Date: 07/03/2012 06:36

Instrument ID: MSV_R2 Calib Start Date: 06/14/2012 07:32

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/14/2012 09:23

Lab File ID: RR6921.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.7189	0.6200		8.62	10.0	-13.8	50.0
Ethyl ether	Ave	0.1209	0.1059		8.76	10.0	-12.4	35.0
Isopropyl alcohol	Ave	0.0047	0.0043		181	200	-9.3	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.5501	0.5024		9.13	10.0	-8.7	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2920	0.2541		8.70	10.0	-13.0	50.0
Methyl acetate	Ave	0.0607	0.0616		50.7	50.0	1.5	50.0
Allyl chloride	Ave	0.4807	0.4204		8.74	10.0	-12.6	35.0
Carbon disulfide	Ave	1.356	1.157		8.53	10.0	-14.7	20.0
Methyl tert-butyl ether	Ave	0.3366	0.2925		8.69	10.0	-13.1	20.0
Hexane	Ave	2.336	2.171		9.29	10.0	-7.1	20.0
Vinyl acetate	Ave	0.2479	0.1664		13.4	20.0	-32.9	50.0
Tert-butyl ethyl ether	Ave	0.5682	0.5030		44.3	50.0	-11.5	35.0
Ethyl acetate	Ave	0.0944	0.0910		19.3	20.0	-3.6	50.0
2-Butanol	Ave	0.0052	0.0048		276	300	-8.0	50.0
Tetrahydrofuran	Ave	0.0208	0.0179		17.2	20.0	-14.2	50.0
Cyclohexane	Ave	0.5574	0.5016		9.00	10.0	-10.0	35.0
Tert-amyl methyl ether	Ave	0.4054	0.3588		44.3	50.0	-11.5	35.0
2-Pentanone	Ave	0.0635	0.0518		32.6	40.0	-18.5	50.0
Methyl methacrylate	Ave	0.0214	0.0204		19.0	20.0	-4.9	35.0
Methylcyclohexane	Ave	0.4888	0.4292		8.78	10.0	-12.2	35.0
2-Chloroethyl vinyl ether	Ave	0.0583	0.0495		8.49	10.0	-15.1	50.0
2-Nitropropane	Ave	0.0220	0.0150		6.82	10.0	-31.8	50.0
Ethyl methacrylate	Ave	0.6161	0.5917		19.2	20.0	-4.0	35.0
cis-1,4-Dichloro-2-butene	Ave	0.1110	0.0539		4.86	10.0	-51.4*	50.0
trans-1,4-Dichloro-2-butene	Lin1	0.0907	0.0757		7.69	10.0	-23.1	50.0
Dibromofluoromethane (Surr)	Lin2	0.4864	0.3990		10.4	11.3	-7.5	20.0
1,2-Dichloroethane-d4 (Surr)	Lin	0.3193	0.2481		9.74	11.3	-13.4	20.0
Toluene-d8 (Surr)	Lin1	7.226	6.398		11.8	11.3	5.3	20.0
4-Bromofluorobenzene (Surr)	Lin2	1.493	1.260		11.0	11.3	-2.5	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6921.D
Lab Smp Id: CCV
Inj Date : 03-JUL-2012 06:36
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,S 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 08:09 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.562	8.562	(1.000)	1251197	12.5000	
*	88 Chlorobenzene-d5	119	11.431	11.431	(1.000)	248989	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.044	14.044	(1.000)	344389	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.960	7.960	(0.930)	449293	10.0000	10.4007
$	58 1,2-Dichloroethane-d4	65	8.285	8.285	(0.968)	279406	10.0000	9.74406
$	76 Toluene-d8	98	9.952	9.952	(0.871)	1433679	10.0000	11.8487
$	99 4-Bromofluorobenzene (Surr)	95	12.743	12.743	(0.907)	390443	10.0000	10.9644
	11 Ethylene Oxide	43	5.209	5.209	(0.608)	397120	1250.00	810.521
	14 Dichlorofluoromethane	67	5.534	5.534	(0.646)	620575	10.0000	8.62410
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.810	5.810	(0.679)	327277	10.0000	9.42321
	21 Propylene Oxide	58	5.929	5.929	(0.692)	787271	500.000	435.170
	19 Ethyl Ether	59	5.800	5.800	(0.677)	105966	10.0000	8.75662
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.860	5.860	(0.684)	502886	10.0000	9.13332
	23 Trichlorotrifluoroethane	151	6.096	6.096	(0.712)	254320	10.0000	8.70181
	18 2-propanol	45	5.800	5.800	(0.677)	86180	200.000	181.484
	27 Methyl Acetate	43	6.343	6.343	(0.741)	308229	50.0000	50.7284
	29 Allyl Chloride	41	6.402	6.402	(0.748)	420797	10.0000	8.74489
	30 Carbon Disulfide	76	6.422	6.422	(0.750)	1158007	10.0000	8.53214
	34 Methyl t-butyl ether	73	6.698	6.698	(0.782)	292783	10.0000	8.68922
	36 Hexane	57	6.915	6.915	(0.605)	432460	10.0000	9.29387
	37 Vinyl acetate	43	7.033	7.033	(0.821)	333165	20.0000	13.4284
	41 ETBE	59	7.349	7.349	(0.858)	2517542	50.0000	44.2620
	42 Ethyl Acetate	43	7.506	7.506	(0.877)	182125	20.0000	19.2705

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
44	2-Butanol	45	7.575	7.575	(0.885)	144509	300.000	276.031
51	Tetrahydrofuran	42	7.842	7.842	(0.916)	35750	20.0000	17.1610
55	Cyclohexane	56	8.128	8.128	(0.949)	502040	10.0000	8.99784
59	TAME	73	8.345	8.345	(0.975)	1795515	50.0000	44.2518
65	2-Pentanone	43	8.936	8.936	(1.044)	207296	40.0000	32.6105
67	Methyl Cyclohexane	55	9.084	9.084	(1.061)	429568	10.0000	8.77899
66	Methyl Methacrylate	100	9.025	9.025	(1.054)	40734	20.0000	19.0145
73	2-nitropropane	41	9.479	9.479	(1.107)	14992	10.0000	6.81698
72	2-Chloroethyl vinyl ether	63	9.459	9.459	(1.105)	49524	10.0000	8.48994
78	Ethyl methacrylate	69	10.120	10.120	(0.885)	235713	20.0000	19.2078
85	Tetrahydrothiophene	60	10.869	10.869	(0.951)	39175	10.0000	6.93847
97	cis-1,4-dichloro-2-butene	53	12.575	12.575	(0.895)	14847	10.0000	4.85693
101	t-1,4-Dichloro-2-butene	53	12.871	12.871	(0.916)	20868	10.0000	7.69250
115	1,2,3-Trimethylbenzene	105	14.084	14.084	(1.003)	813032	10.0000	9.46647
119	Tetralin	104	Compound Not Detected.					

Data File: RR6921.D

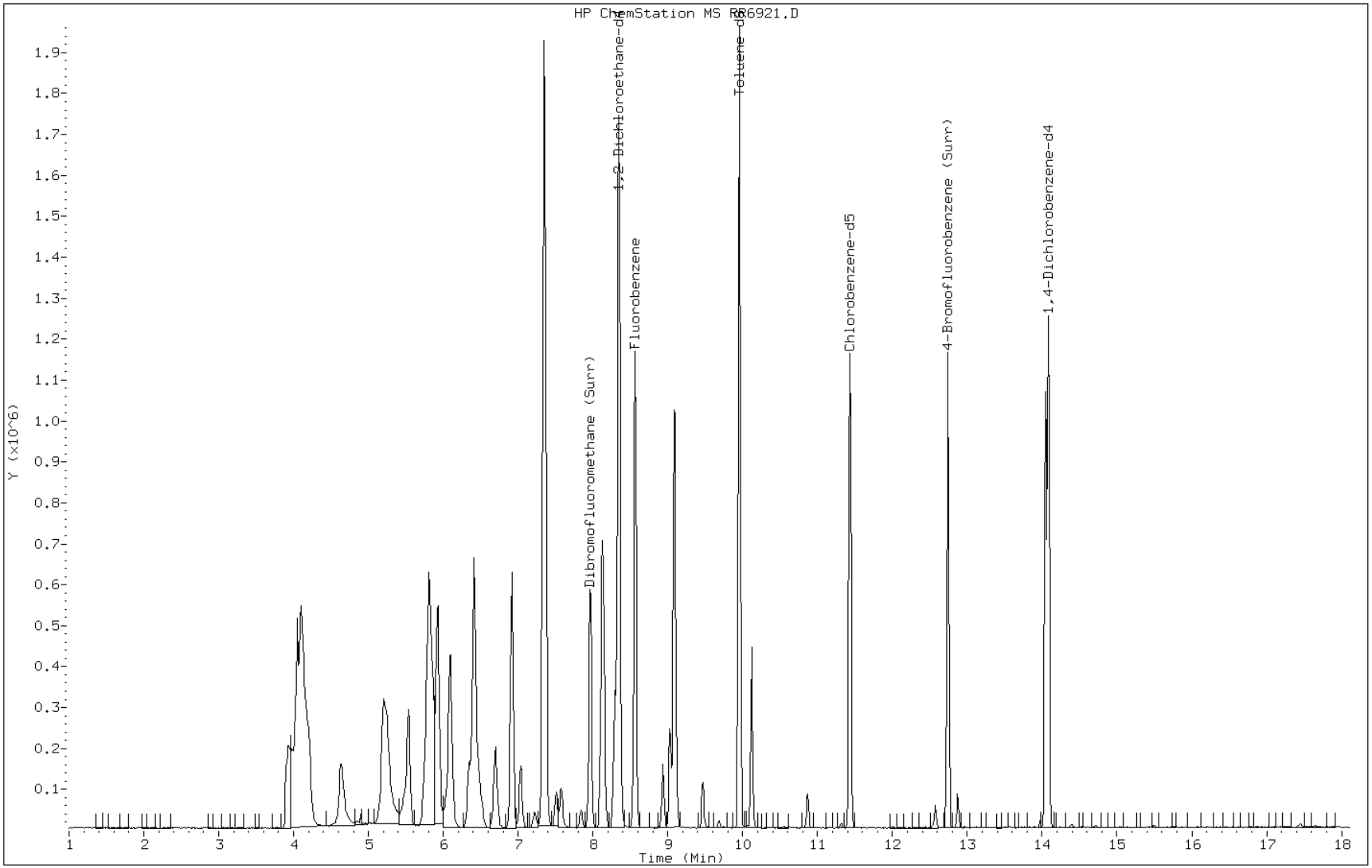
Date: 03-JUL-2012 06:36

Client ID:

Instrument: R2.i

Sample Info: CCV,,S 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Lab Sample ID: CCV 280-126520/4 Calibration Date: 07/03/2012 06:58

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6922.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chloromethane	Ave	0.2969	0.2833	0.1000	9.54	10.0	-4.6	20.0
Chloroethane	Ave	0.2063	0.2024		9.81	10.0	-1.9	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6922.D
Lab Smp Id: CCV
Inj Date : 03-JUL-2012 06:58
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,G 5uL Q4 v12->v13
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 08:09 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-chloros.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

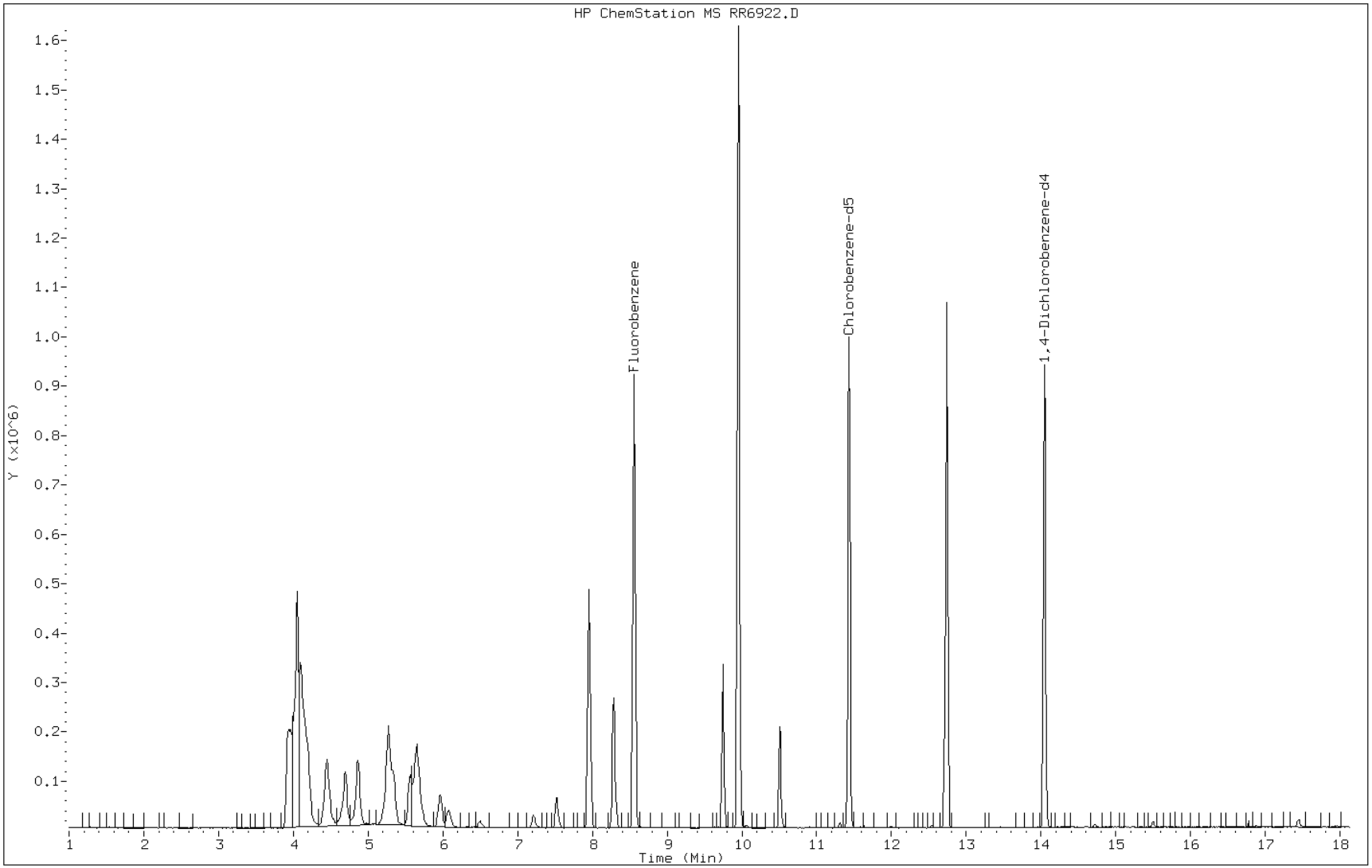
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.561	8.562	(1.000)	1067316	12.5000	
* 88 Chlorobenzene-d5	119	11.430	11.431	(1.000)	219828	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.043	14.044	(1.000)	305173	12.5000	
9 Chloromethane	50	4.695	4.695	(0.548)	241883	10.0000	9.54134
13 Chloroethane	64	5.336	5.336	(0.623)	172838	10.0000	9.81225

Data File: RR6922.D

Date: 03-JUL-2012 06:58

Client ID: Instrument: R2.i

Sample Info: CCV,,G 5uL Q4 v12->v13 Operator: DOBRANSKYM



TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6351.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 14-JUN-2012 06:38
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC088

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.692	5.620	(0.000)	95	15538			0.00- 100.00	100.00
5.692	5.620	(0.000)	50	2968			15.00- 40.00	19.10
5.692	5.620	(0.000)	75	7640			30.00- 60.00	49.17
5.692	5.620	(0.000)	96	1239			5.00- 9.00	7.97
5.692	5.620	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.692	5.620	(0.000)	174	15031			50.00- 0.00	96.74
5.692	5.620	(0.000)	175	1159			5.00- 9.00	7.71
5.692	5.620	(0.000)	176	14893			95.00- 101.00	99.08
5.692	5.620	(0.000)	177	1195			5.00- 9.00	8.02

Data File: RR6351.D

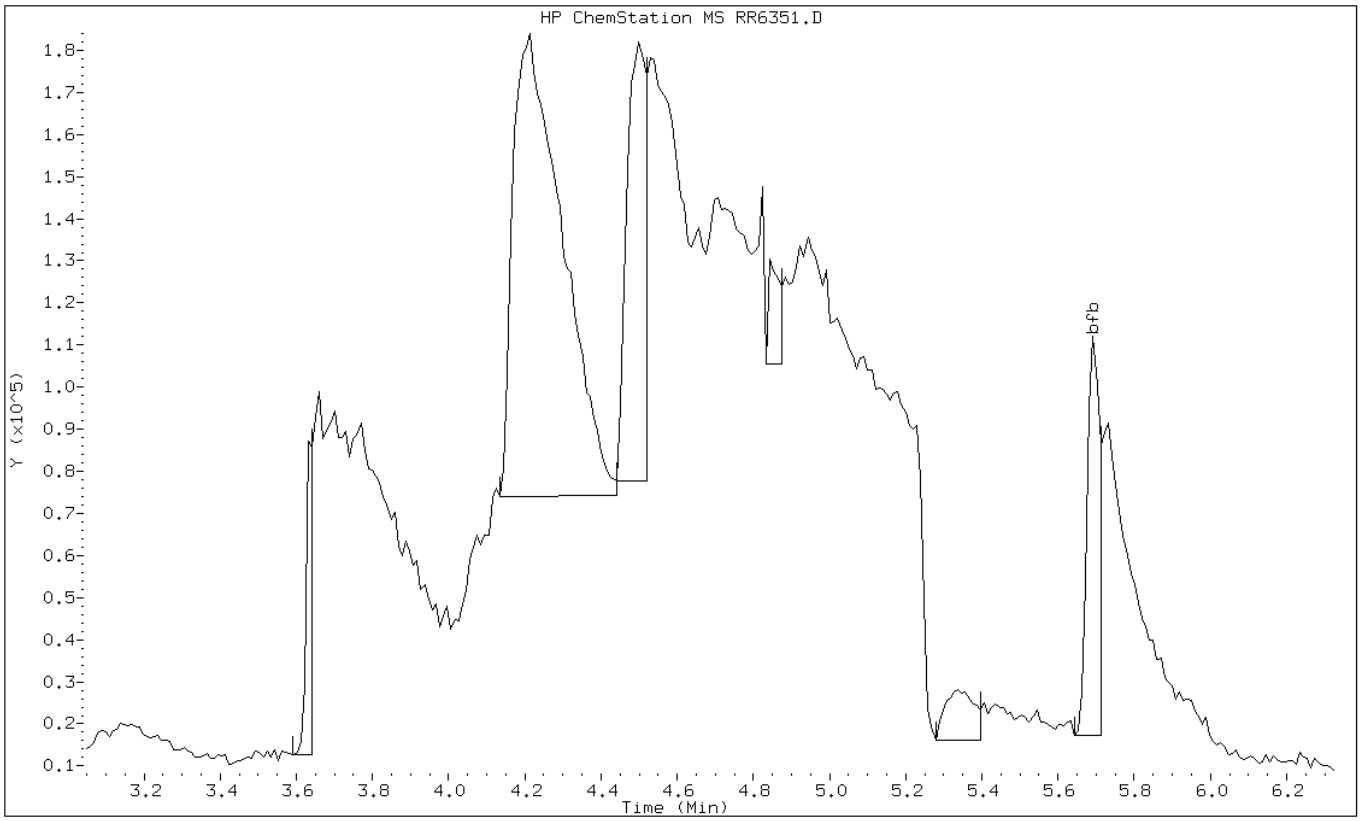
Date: 14-JUN-2012 06:38

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



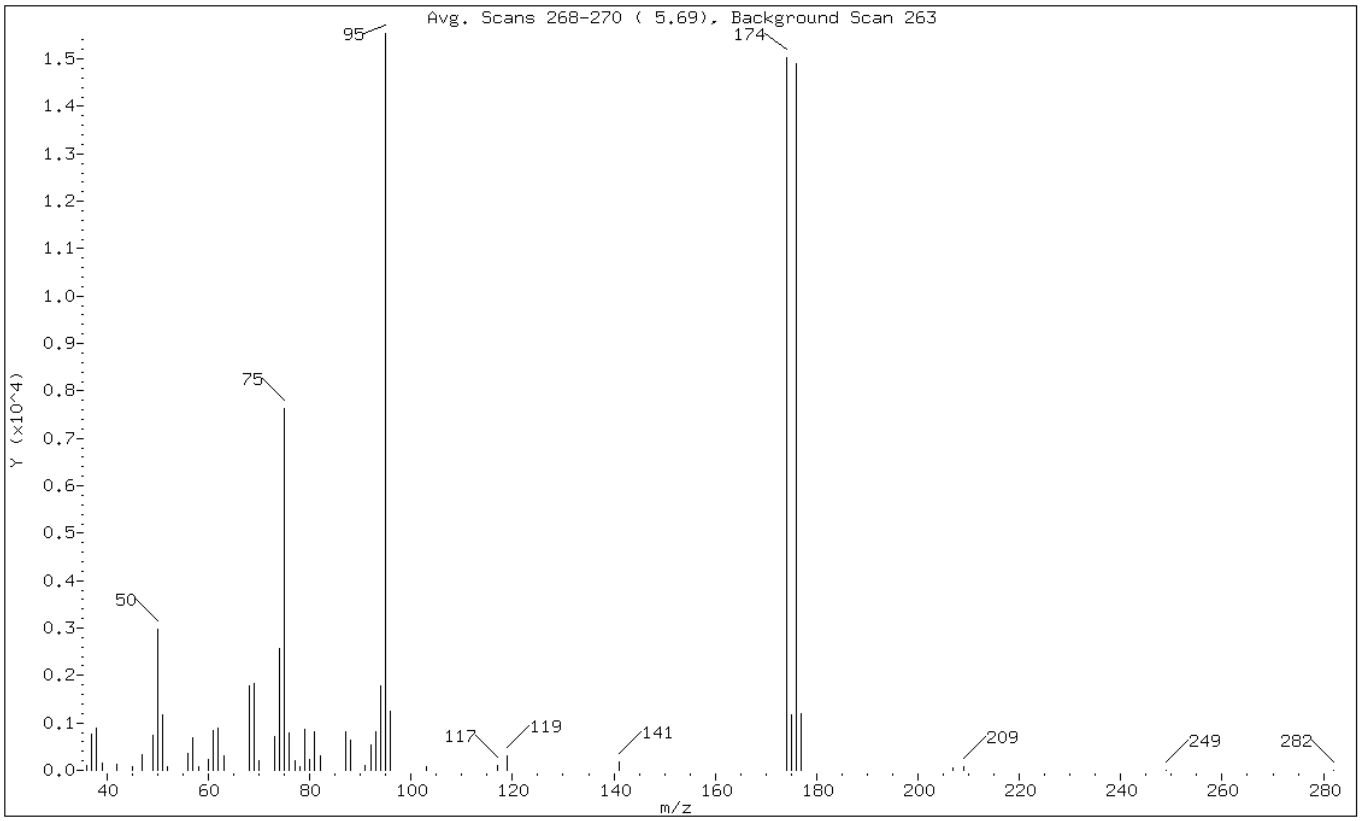
Data File: RR6351.D

Date: 14-JUN-2012 06:38

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.10
75	30.00 - 60.00% of mass 95	49.17
96	5.00 - 9.00% of mass 95	7.97
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	96.74
175	5.00 - 9.00% of mass 174	7.46 (7.71)
176	95.00 - 101.00% of mass 174	95.85 (99.08)
177	5.00 - 9.00% of mass 176	7.69 (8.02)

Data File: RR6351.D

Date: 14-JUN-2012 06:38

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6351.D
Spectrum: Avg. Scans 268-270 (5.69), Background Scan 263
Location of Maximum: 95.00
Number of points: 51

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	105	58.00	85	78.00	87	103.00	83
37.00	771	60.00	226	79.00	876	117.00	94
38.00	889	61.00	842	80.00	228	119.00	314
39.00	151	62.00	880	81.00	818	141.00	178
42.00	139	63.00	299	82.00	300	174.00	15031
45.00	68	68.00	1769	87.00	816	175.00	1159
47.00	319	69.00	1828	88.00	645	176.00	14893
49.00	730	70.00	194	91.00	99	177.00	1195
50.00	2968	73.00	713	92.00	526	207.00	40
51.00	1165	74.00	2581	93.00	808	209.00	83
52.00	88	75.00	7640	94.00	1788	249.00	10
56.00	368	76.00	787	95.00	15538	282.00	12
57.00	690	77.00	195	96.00	1239		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6385.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 15-JUN-2012 06:43
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC088

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.698	5.620	(0.000)	95	22528			0.00- 100.00	100.00
5.698	5.620	(0.000)	50	5019			15.00- 40.00	22.28
5.698	5.620	(0.000)	75	11183			30.00- 60.00	49.64
5.698	5.620	(0.000)	96	1389			5.00- 9.00	6.17
5.698	5.620	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.698	5.620	(0.000)	174	22520			50.00- 0.00	99.96
5.698	5.620	(0.000)	175	1669			5.00- 9.00	7.41
5.698	5.620	(0.000)	176	21400			95.00- 101.00	95.03
5.698	5.620	(0.000)	177	1640			5.00- 9.00	7.66

Data File: RR6385.D

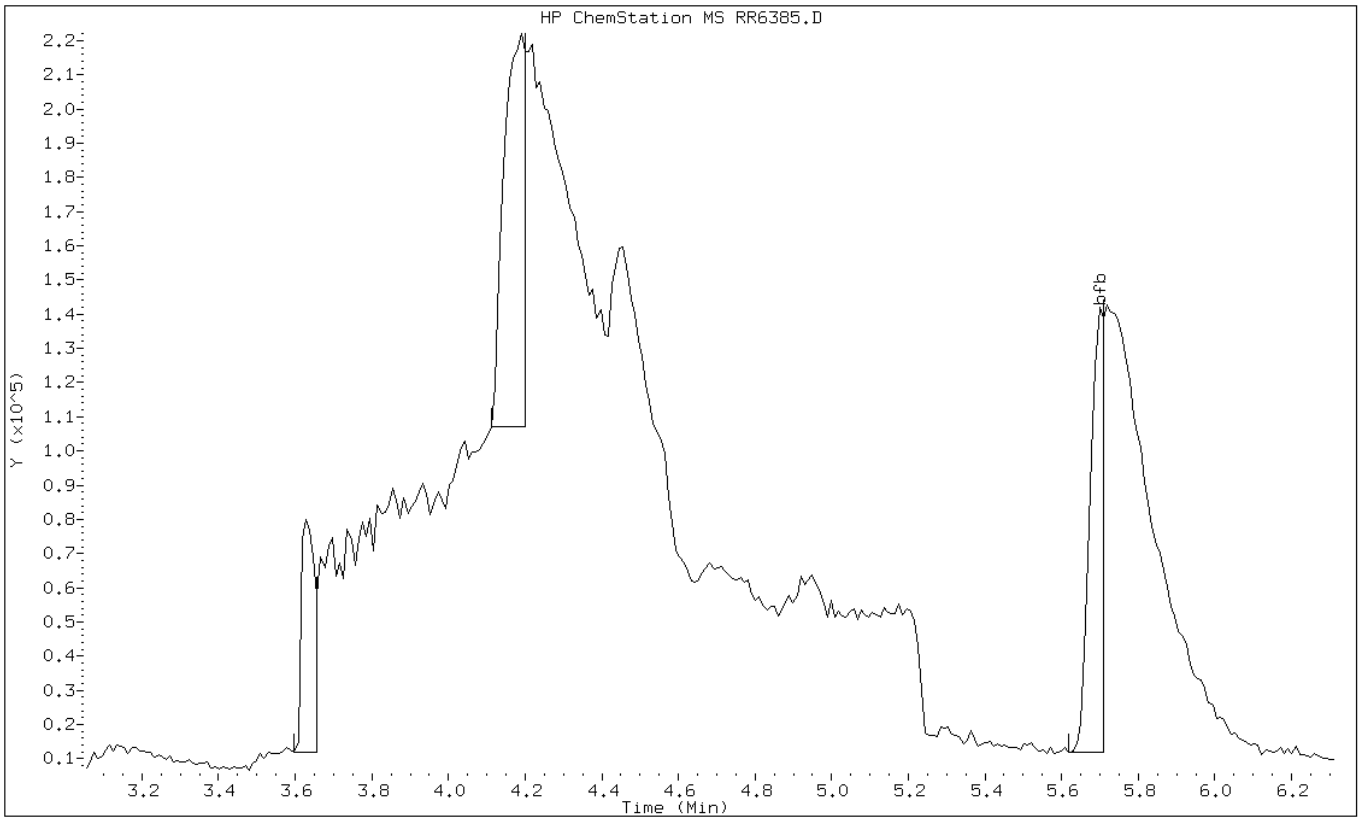
Date: 15-JUN-2012 06:43

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



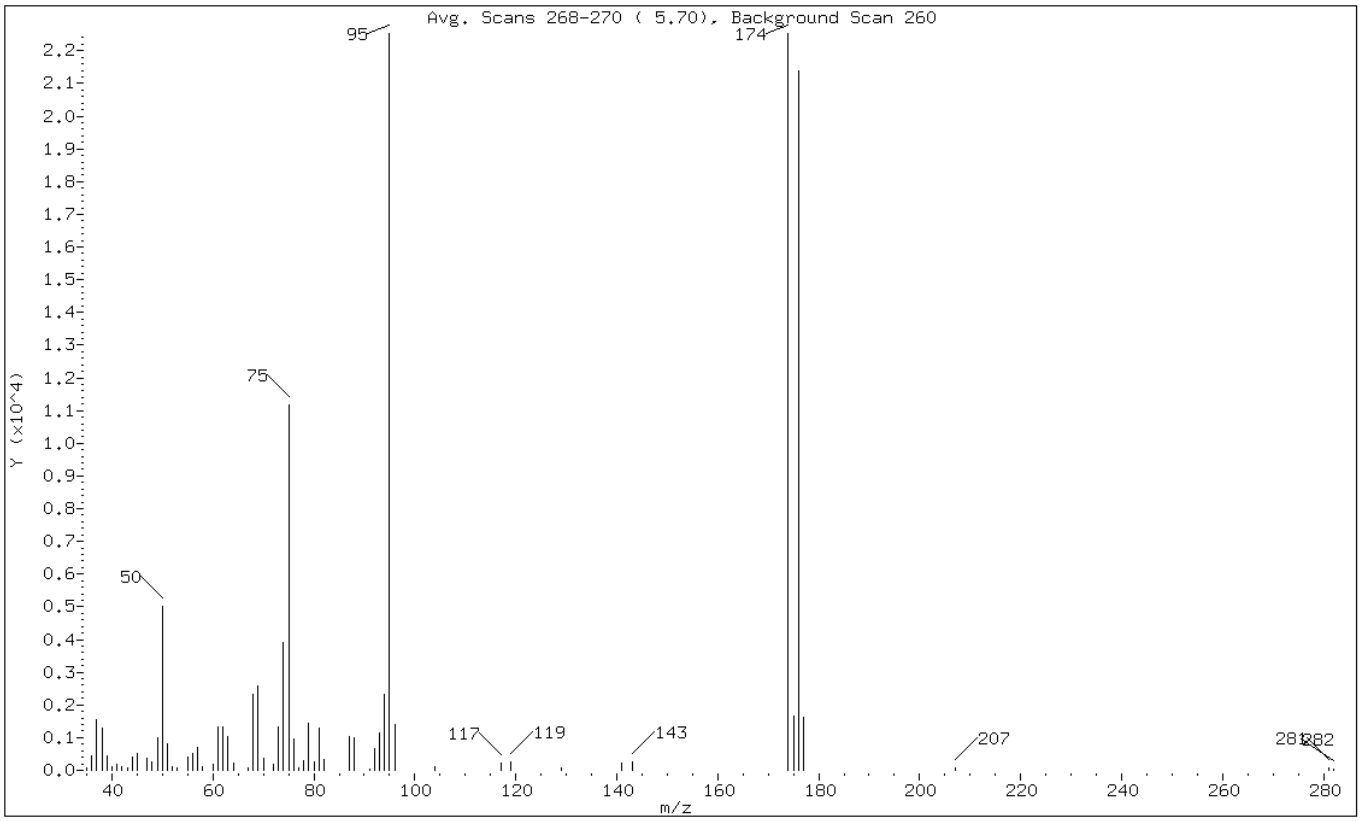
Data File: RR6385.D

Date: 15-JUN-2012 06:43

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.28
75	30.00 - 60.00% of mass 95	49.64
96	5.00 - 9.00% of mass 95	6.17
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	99.96
175	5.00 - 9.00% of mass 174	7.41 (7.41)
176	95.00 - 101.00% of mass 174	94.99 (95.03)
177	5.00 - 9.00% of mass 176	7.28 (7.66)

Data File: RR6385.D

Date: 15-JUN-2012 06:43

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6385.D
Spectrum: Avg. Scans 268-270 (5.70), Background Scan 260
Location of Maximum: 95.00
Number of points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	87	52.00	99	73.00	1326	95.00	22528
36.00	444	53.00	88	74.00	3896	96.00	1389
37.00	1535	55.00	407	75.00	11183	104.00	100
38.00	1302	56.00	504	76.00	942	117.00	204
39.00	449	57.00	699	77.00	75	119.00	243
40.00	107	58.00	93	78.00	299	129.00	86
41.00	194	60.00	196	79.00	1420	141.00	220
42.00	128	61.00	1314	80.00	276	143.00	254
43.00	86	62.00	1334	81.00	1294	174.00	22520
44.00	413	63.00	1028	82.00	338	175.00	1669
45.00	511	64.00	215	87.00	1028	176.00	21400
47.00	362	67.00	85	88.00	996	177.00	1640
48.00	268	68.00	2336	91.00	27	207.00	83
49.00	1008	69.00	2573	92.00	657	281.00	79
50.00	5019	70.00	379	93.00	1155	282.00	26
51.00	824	72.00	196	94.00	2327		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6855.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 02-JUL-2012 06:11
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC088

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.703	5.620	(0.000)	95	48656			0.00- 100.00	98.48
5.703	5.620	(0.000)	50	9757			15.00- 40.00	20.05
5.703	5.620	(0.000)	75	22456			30.00- 60.00	46.15
5.703	5.620	(0.000)	96	3535			5.00- 9.00	7.27
5.703	5.620	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.703	5.620	(0.000)	174	49408			50.00- 0.00	101.55
5.703	5.620	(0.000)	175	3624			5.00- 9.00	7.33
5.703	5.620	(0.000)	176	49368			95.00- 101.00	99.92
5.703	5.620	(0.000)	177	3287			5.00- 9.00	6.66

Data File: RR6855.D

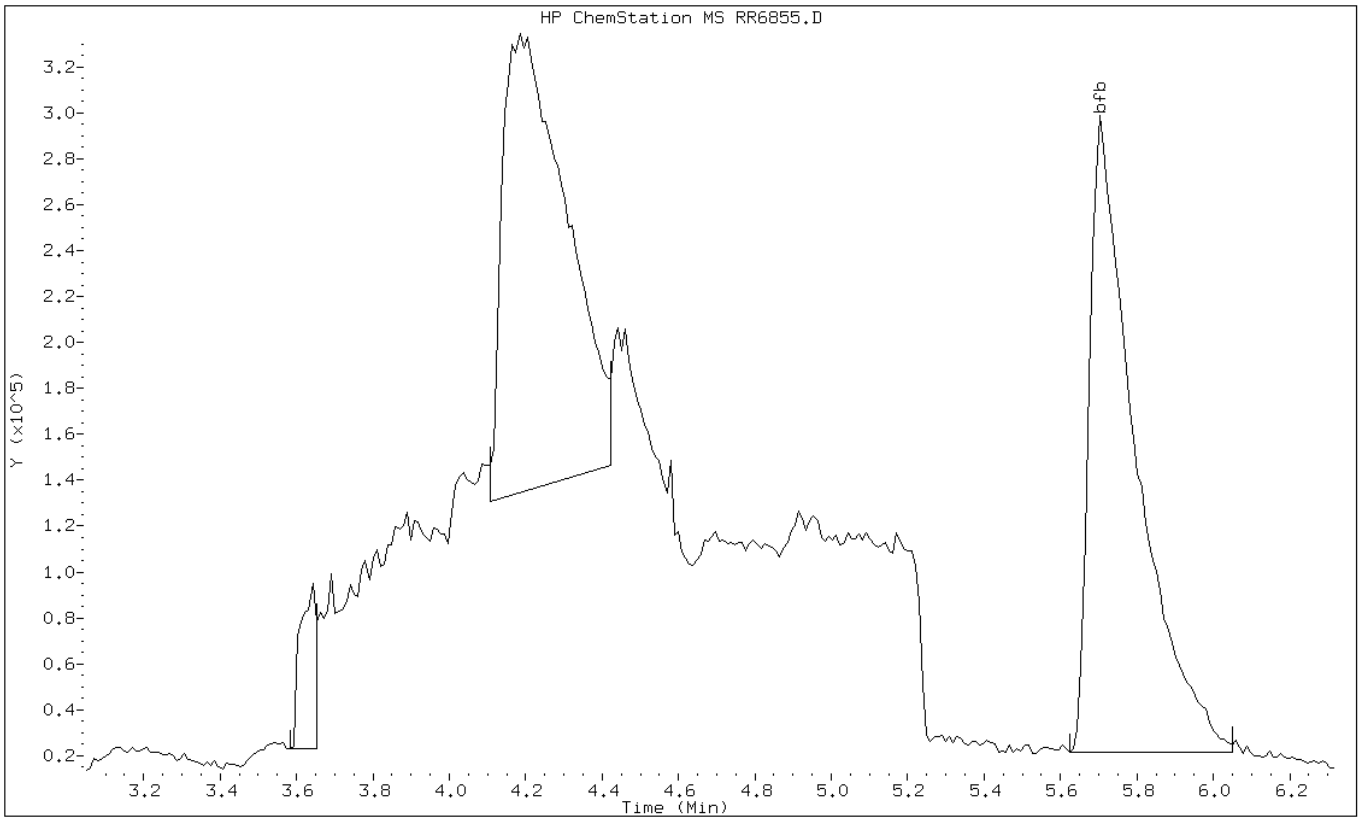
Date: 02-JUL-2012 06:11

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



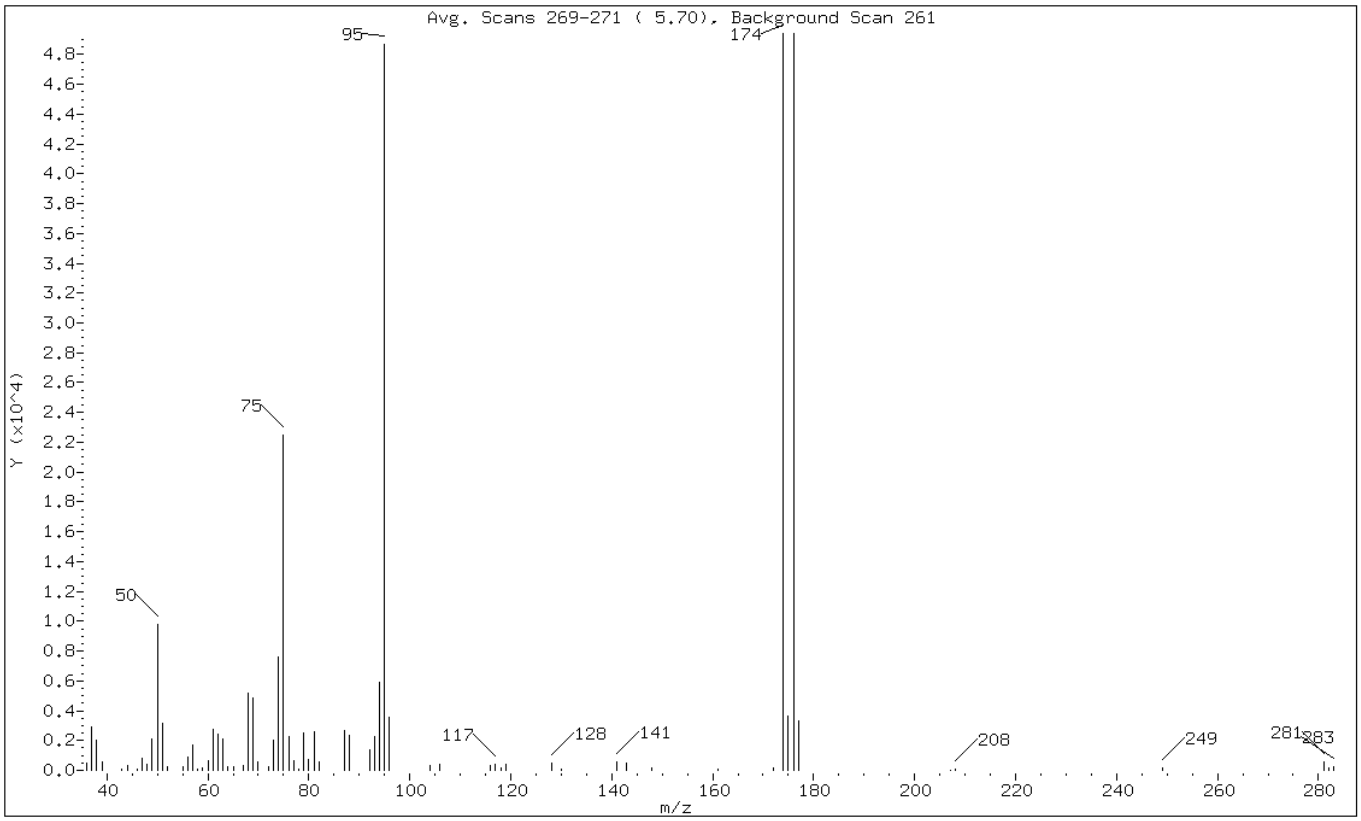
Data File: RR6855.D

Date: 02-JUL-2012 06:11

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.05
75	30.00 - 60.00% of mass 95	46.15
96	5.00 - 9.00% of mass 95	7.27
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	101.55
175	5.00 - 9.00% of mass 174	7.45 (7.33)
176	95.00 - 101.00% of mass 174	101.46 (99.92)
177	5.00 - 9.00% of mass 176	6.76 (6.66)

Data File: RR6855.D

Date: 02-JUL-2012 06:11

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6855.D
Spectrum: Avg. Scans 269-271 (5.70), Background Scan 261
Location of Maximum: 174.00
Number of points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	457	60.00	609	80.00	715	141.00	536
37.00	2933	61.00	2730	81.00	2555	143.00	503
38.00	2043	62.00	2411	82.00	589	148.00	171
39.00	555	63.00	2092	87.00	2647	161.00	85
43.00	112	64.00	278	88.00	2322	172.00	179
44.00	296	65.00	261	92.00	1404	174.00	49408
46.00	100	67.00	300	93.00	2242	175.00	3624
47.00	784	68.00	5144	94.00	5930	176.00	49368
48.00	410	69.00	4836	95.00	48656	177.00	3287
49.00	2139	70.00	580	96.00	3535	207.00	25
50.00	9757	72.00	270	104.00	336	208.00	44
51.00	3133	73.00	2029	106.00	382	249.00	198
52.00	283	74.00	7625	116.00	302	281.00	532
55.00	271	75.00	22456	117.00	435	282.00	163
56.00	862	76.00	2225	118.00	185	283.00	213
57.00	1689	77.00	665	119.00	373		
58.00	99	78.00	116	128.00	452		
59.00	178	79.00	2502	130.00	90		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6918.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 03-JUL-2012 05:40
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC364

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.677	5.620	(0.000)	95	40152			0.00- 100.00	100.00
5.677	5.620	(0.000)	50	8590			15.00- 40.00	21.39
5.677	5.620	(0.000)	75	19136			30.00- 60.00	47.66
5.677	5.620	(0.000)	96	3377			5.00- 9.00	8.41
5.677	5.620	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.677	5.620	(0.000)	174	39776			50.00- 0.00	99.06
5.677	5.620	(0.000)	175	2906			5.00- 9.00	7.31
5.677	5.620	(0.000)	176	38600			95.00- 101.00	97.04
5.677	5.620	(0.000)	177	2475			5.00- 9.00	6.41

Data File: RR6918.D

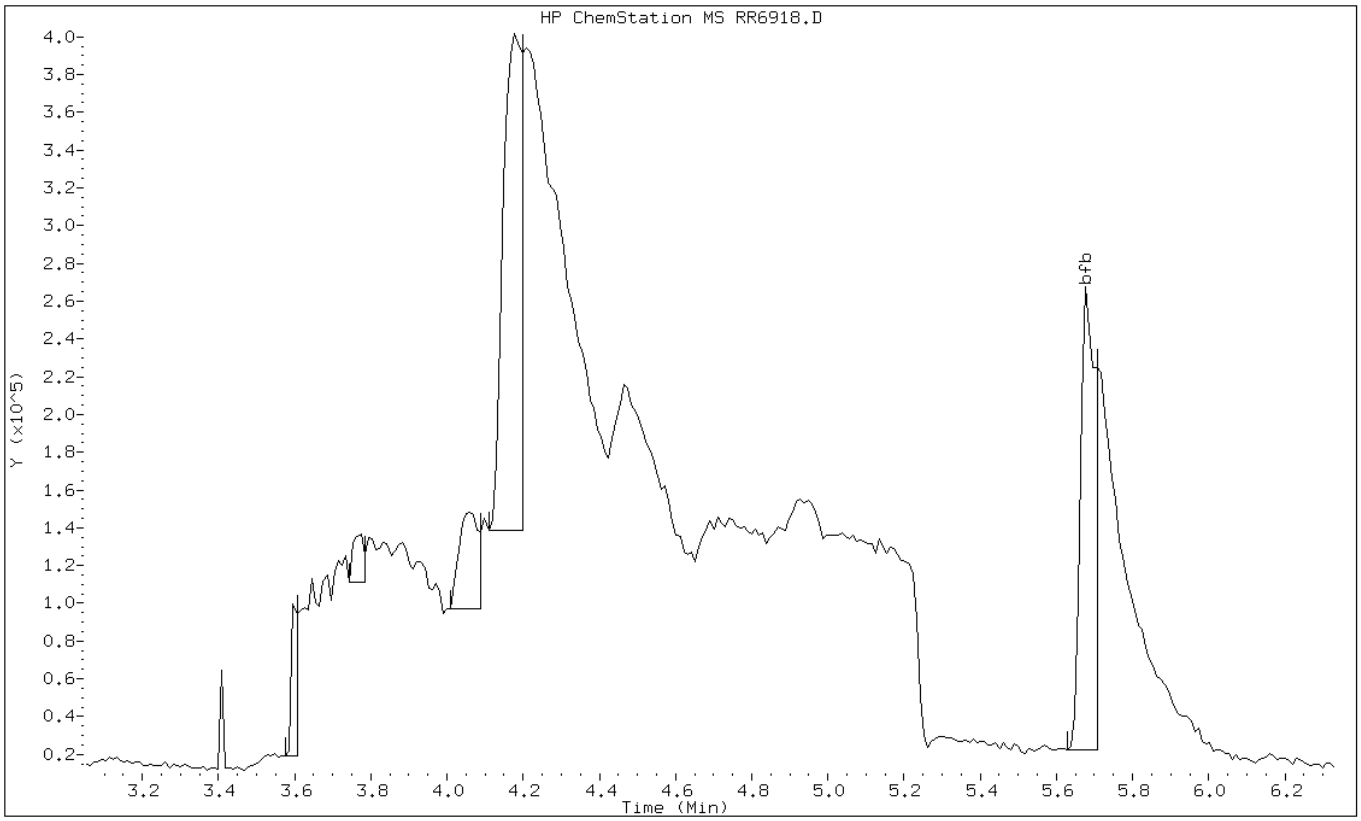
Date: 03-JUL-2012 05:40

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



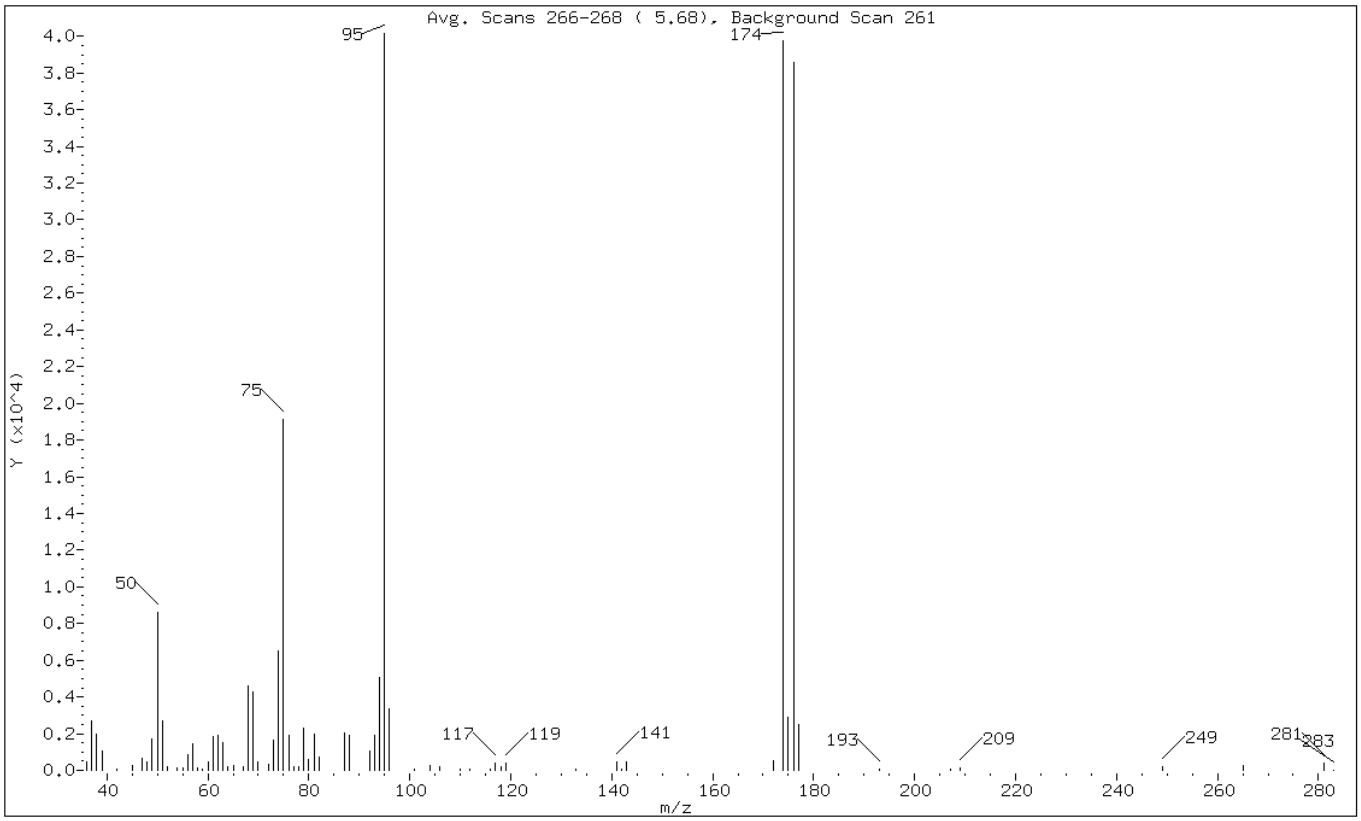
Data File: RR6918.D

Date: 03-JUL-2012 05:40

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.39
75	30.00 - 60.00% of mass 95	47.66
96	5.00 - 9.00% of mass 95	8.41
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	99.06
175	5.00 - 9.00% of mass 174	7.24 (7.31)
176	95.00 - 101.00% of mass 174	96.13 (97.04)
177	5.00 - 9.00% of mass 176	6.16 (6.41)

Data File: RR6918.D

Date: 03-JUL-2012 05:40

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6918.D
Spectrum: Avg. Scans 266-268 (5.68), Background Scan 261
Location of Maximum: 95.00
Number of points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	480	60.00	472	80.00	624	119.00	366
37.00	2711	61.00	1833	81.00	1980	133.00	40
38.00	1997	62.00	1896	82.00	699	141.00	462
39.00	1075	63.00	1530	87.00	2019	142.00	95
42.00	40	64.00	192	88.00	1887	143.00	441
45.00	260	65.00	265	92.00	1084	172.00	549
47.00	654	67.00	202	93.00	1894	174.00	39776
48.00	465	68.00	4597	94.00	5063	175.00	2906
49.00	1738	69.00	4301	95.00	40152	176.00	38600
50.00	8590	70.00	459	96.00	3377	177.00	2475
51.00	2669	72.00	343	101.00	89	193.00	64
52.00	198	73.00	1646	104.00	273	207.00	42
54.00	108	74.00	6514	106.00	223	209.00	109
55.00	124	75.00	19136	110.00	90	249.00	216
56.00	879	76.00	1932	112.00	92	265.00	295
57.00	1455	77.00	215	116.00	87	281.00	382
58.00	104	78.00	168	117.00	403	283.00	19
59.00	90	79.00	2278	118.00	201		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-126338/7

Matrix: Water | Lab File ID: RR6863.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 08:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-126338/7

Matrix: Water | Lab File ID: RR6863.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 08:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-126338/7

Matrix: Water Lab File ID: RR6863.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 08:56

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	106		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		70-120
460-00-4	4-Bromofluorobenzene (Surr)	98		75-120
1868-53-7	Dibromofluoromethane (Surr)	91		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6863.D
Lab Smp Id: MB
Inj Date : 02-JUL-2012 08:56
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : MB,,AF
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 08:27 dobranskym Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.571	8.564	(1.000)	1175315	12.5000	
* 88	Chlorobenzene-d5	119	11.440	11.434	(1.000)	235446	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.044	14.047	(1.000)	322611	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.969	7.964	(0.930)	416125	10.2285	10.2285
$ 58	1,2-Dichloroethane-d4	65	8.295	8.290	(0.968)	261895	9.72005	9.72005
$ 76	Toluene-d8	98	9.961	9.956	(0.871)	1357624	11.8691	11.8690
$ 99	4-Bromofluorobenzene (Surr)	95	12.742	12.737	(0.907)	367766	11.0369	11.0369
M 2	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 3	Xylene (total)	106	Compound Not Detected.					
7	dichlorodifluoromethane	85	Compound Not Detected.					
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
17	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
19	Ethyl Ether	59	Compound Not Detected.					
20	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR6863.D

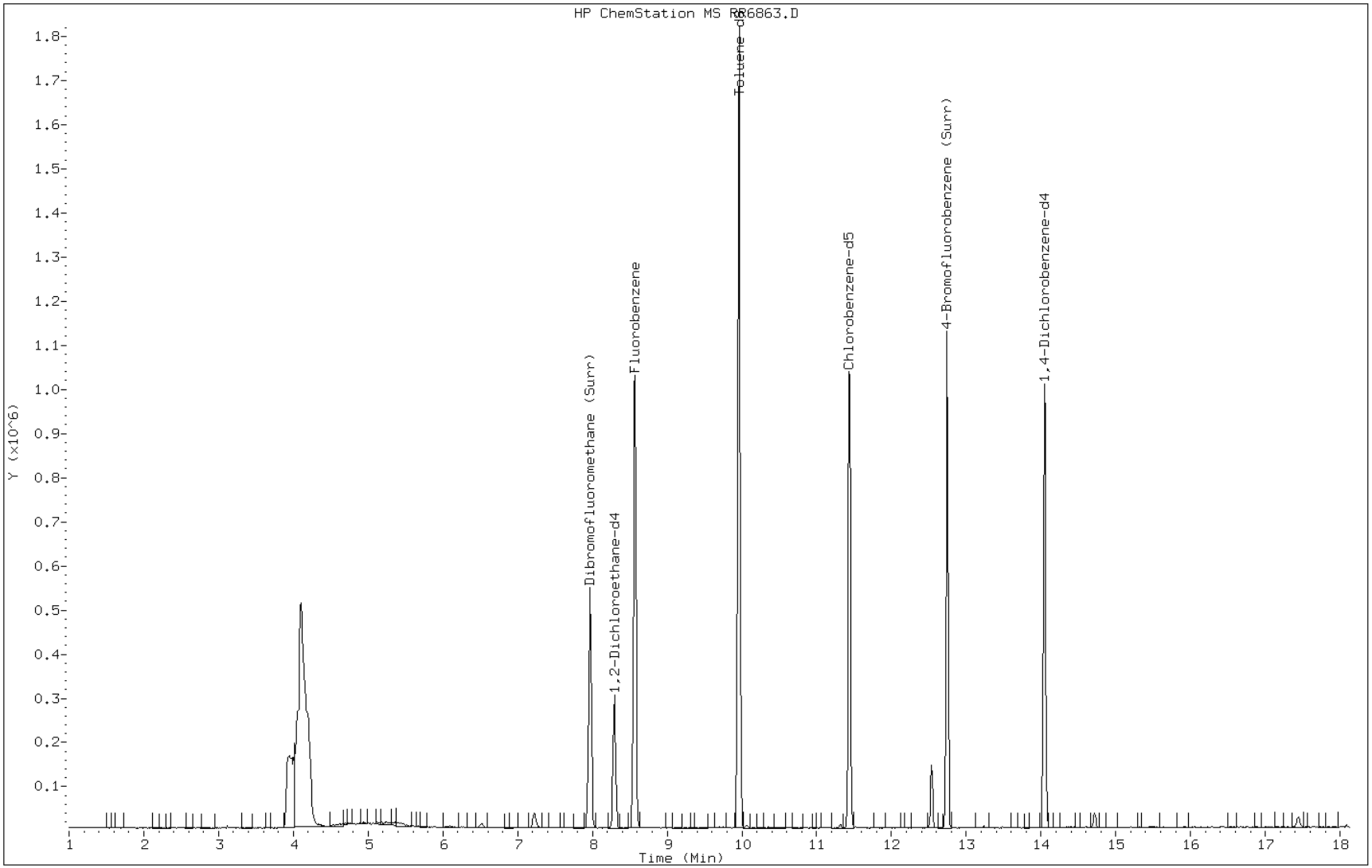
Date: 02-JUL-2012 08:56

Client ID:

Instrument: R2.i

Sample Info: MB,,AF

Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-126520/8

Matrix: Water | Lab File ID: RR6926.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 08:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-126520/8

Matrix: Water | Lab File ID: RR6926.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 08:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-126520/8

Matrix: Water Lab File ID: RR6926.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/03/2012 08:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126520 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	106		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		70-120
460-00-4	4-Bromofluorobenzene (Surr)	94		75-120
1868-53-7	Dibromofluoromethane (Surr)	93		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6926.D
Lab Smp Id: MB
Inj Date : 03-JUL-2012 08:29
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : MB,,AF
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 08:09 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.561	8.562	(1.000)	1141743	12.5000	
* 88	Chlorobenzene-d5	119	11.441	11.431	(1.000)	224748	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.054	14.044	(1.000)	316102	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.970	7.960	(0.931)	410888	10.4276	10.4276
$ 58	1,2-Dichloroethane-d4	65	8.295	8.285	(0.969)	252358	9.63023	9.63023
$ 76	Toluene-d8	98	9.961	9.952	(0.871)	1297097	11.8819	11.8819
$ 99	4-Bromofluorobenzene (Surr)	95	12.742	12.743	(0.907)	346993	10.5467	10.5467
M 2	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 3	Xylene (total)	106	Compound Not Detected.					
7	dichlorodifluoromethane	85	Compound Not Detected.					
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
17	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
19	Ethyl Ether	59	Compound Not Detected.					
20	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR6926.D

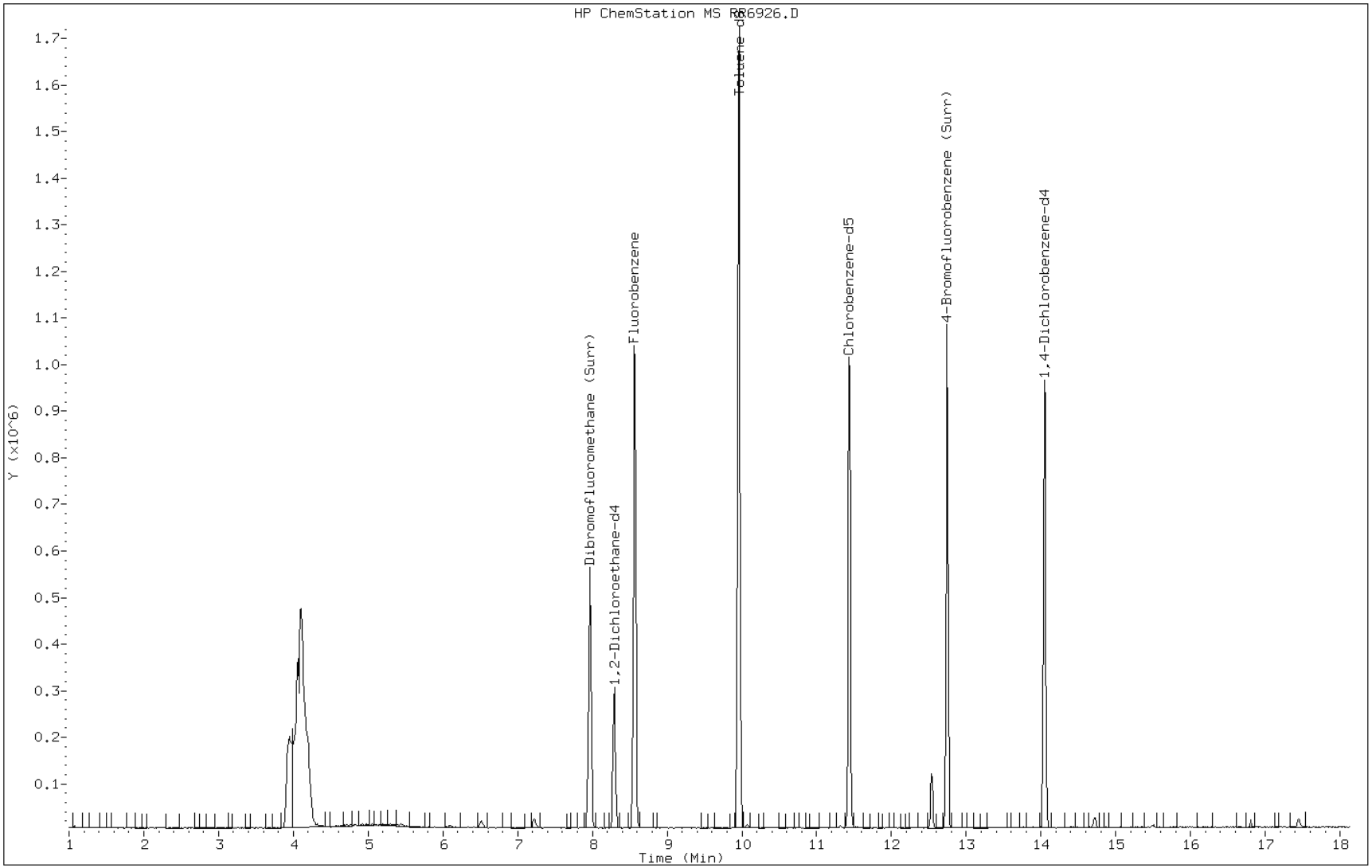
Date: 03-JUL-2012 08:29

Client ID:

Instrument: R2.i

Sample Info: MB,,AF

Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-126338/6

Matrix: Water | Lab File ID: RR6862.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 08:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	4.44		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	4.14		1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	4.69		3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	4.45		1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	4.55		1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	4.42		1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	4.42	J	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	4.53		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	4.74		1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	4.67		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	4.55		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	4.42		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	4.59		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	4.76		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.60		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	4.55		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	4.51		1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	28.0		6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	4.58		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	4.61		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	4.36		1.0	0.40	0.20
591-78-6	2-Hexanone	22.4		5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	22.0		5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	4.53		1.0	0.40	0.17
71-43-2	Benzene	4.47		1.0	0.20	0.16
67-64-1	Acetone	23.2		10	6.4	1.9
108-86-1	Bromobenzene	4.60		1.0	0.20	0.17
75-25-2	Bromoform	4.55		1.0	0.40	0.19
74-83-9	Bromomethane	4.95		2.0	0.40	0.21
56-23-5	Carbon tetrachloride	4.29		2.0	0.40	0.19
75-15-0	Carbon disulfide	4.43		2.0	0.80	0.45
95-49-8	2-Chlorotoluene	4.70		1.0	0.40	0.17
106-43-4	4-Chlorotoluene	4.80		1.0	0.40	0.17
108-90-7	Chlorobenzene	4.48		1.0	0.20	0.17
74-97-5	Chlorobromomethane	4.47		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.49		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-126338/6

Matrix: Water | Lab File ID: RR6862.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 08:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	4.23		1.0	0.20	0.16
75-00-3	Chloroethane	4.41		2.0	1.6	0.41
74-87-3	Chloromethane	4.55		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	4.52		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	4.38		1.0	0.20	0.16
74-95-3	Dibromomethane	4.48		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	4.31		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	4.47		2.0	0.80	0.31
100-41-4	Ethylbenzene	4.75		1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	4.29		1.0	0.40	0.36
98-82-8	Isopropylbenzene	4.60		1.0	0.40	0.19
106-93-4	Ethylene Dibromide	4.55		1.0	0.20	0.18
75-09-2	Methylene Chloride	4.55	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	4.29	J	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	9.26		2.0	0.80	0.34
91-20-3	Naphthalene	4.29		1.0	0.80	0.22
104-51-8	n-Butylbenzene	4.65		1.0	0.40	0.32
103-65-1	N-Propylbenzene	4.70		1.0	0.20	0.16
95-47-6	o-Xylene	4.67		1.0	0.40	0.19
100-42-5	Styrene	4.39		1.0	0.40	0.17
135-98-8	sec-Butylbenzene	4.69		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.55		1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	4.54		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	4.45		1.0	0.40	0.19
127-18-4	Tetrachloroethene	4.59		1.0	0.40	0.20
108-88-3	Toluene	4.55		1.0	0.40	0.17
79-01-6	Trichloroethene	4.59		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	4.81		2.0	0.80	0.29
75-01-4	Vinyl chloride	4.60		1.5	0.80	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-126338/6

Matrix: Water Lab File ID: RR6862.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 08:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		70-120
460-00-4	4-Bromofluorobenzene (Surr)	89		75-120
1868-53-7	Dibromofluoromethane (Surr)	90		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6862.D
Lab Smp Id: LCS
Inj Date : 02-JUL-2012 08:34
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : LCS,,2.5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 08:27 dobranskym Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: lcs-DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.563	8.564	(1.000)	1213193	12.5000	
* 88	Chlorobenzene-d5	119	11.432	11.434	(1.000)	248180	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.046	14.047	(1.000)	378219	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.961	7.964	(0.930)	426169	10.1336	10.1336
$ 58	1,2-Dichloroethane-d4	65	8.297	8.290	(0.969)	260196	9.30322	9.30322
$ 76	Toluene-d8	98	9.953	9.956	(0.871)	1374750	11.3043	11.3043
$ 99	4-Bromofluorobenzene (Surr)	95	12.744	12.737	(0.907)	395979	9.95772	9.95772
M 2	1,2-Dichloroethene (total)	96				305065	9.05513	9.05513
M 3	Xylene (total)	106				652711	13.9259	13.9259
7	dichlorodifluoromethane	85	4.461	4.447	(0.521)	149583	4.46935	4.46935
9	Chloromethane	50	4.717	4.705	(0.551)	131160	4.55165	4.55165
10	Vinyl Chloride	62	4.875	4.871	(0.569)	142532	4.60129	4.60129
12	Bromomethane	94	5.289	5.285	(0.618)	143317	4.94511	4.94511
13	Chloroethane	64	5.348	5.354	(0.625)	88379	4.41409	4.41409
15	Trichlorofluoromethane	101	5.674	5.660	(0.663)	251920	4.80809	4.80809
24	Acetone	43	6.098	6.089	(0.712)	61770	23.2109	23.2109
25	1,1-Dichloroethene	96	6.127	6.109	(0.716)	154298	4.74059	4.74059
30	Carbon Disulfide	76	6.423	6.416	(0.750)	582924	4.42950	4.42950
32	Methylene Chloride	84	6.522	6.513	(0.762)	131563	4.55235	4.55235
34	Methyl t-butyl ether	73	6.699	6.702	(0.782)	140140	4.28936	4.28936(a)
35	trans-1,2-Dichloroethene	96	6.758	6.750	(0.789)	159330	4.53941	4.53941
37	Vinyl acetate	43	7.044	7.037	(0.823)	110734	4.60301	4.60301

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
39	1,1-Dichloroethane	63	7.113	7.105	(0.831)	264244	4.54689	4.54689
43	2-Butanone	43	7.537	7.529	(0.880)	95063	27.9974	27.9974
44	2-Butanol	45	7.577	7.580	(0.885)	76906	151.502	151.502
45	cis-1,2-Dichloroethene	96	7.596	7.588	(0.887)	145735	4.51573	4.51572
47	2,2-Dichloropropane	77	7.626	7.618	(0.891)	204090	4.36353	4.36352(a)
49	Bromochloromethane	128	7.813	7.815	(0.912)	54432	4.46621	4.46621
50	Chloroform	83	7.823	7.815	(0.914)	243707	4.23046	4.23046
54	1,1,1-Trichloroethane	97	8.060	8.052	(0.941)	219462	4.13922	4.13922
56	1,1-Dichloropropene	75	8.168	8.160	(0.954)	217043	4.53149	4.53149
57	Carbon Tetrachloride	117	8.208	8.209	(0.959)	214064	4.28541	4.28541
60	1,2-Dichloroethane	62	8.356	8.357	(0.976)	112066	4.76303	4.76303
61	Benzene	78	8.375	8.367	(0.978)	504291	4.46771	4.46771
64	Trichloroethene	95	8.888	8.880	(1.038)	156383	4.58944	4.58944
65	2-Pentanone	43	8.938	8.931	(1.044)	53454	8.67247	8.67247
68	1,2-Dichloropropane	63	9.105	9.097	(1.063)	111652	4.60580	4.60580
70	Dibromomethane	93	9.224	9.225	(1.077)	51736	4.48161	4.48161
71	Bromodichloromethane	83	9.302	9.304	(1.086)	139008	4.31430	4.31430
74	cis-1,3-Dichloropropene	75	9.687	9.679	(1.131)	142060	4.37841	4.37841
75	4-Methyl-2-pentanone	43	9.746	9.748	(1.138)	165864	22.0189	22.0189
77	Toluene	91	10.022	10.024	(1.170)	512899	4.55298	4.55298
79	trans-1,3-Dichloropropene	75	10.160	10.152	(1.187)	102803	4.45395	4.45395
80	1,1,2-Trichloroethane	97	10.367	10.369	(1.211)	55417	4.67401	4.67401
81	2-Hexanone	43	10.506	10.507	(0.919)	111487	22.4217	22.4217
82	1,3-Dichloropropane	76	10.545	10.547	(0.922)	96866	4.55009	4.55009
83	Tetrachloroethene	164	10.565	10.566	(0.924)	140799	4.59040	4.59040
84	Dibromochloromethane	129	10.811	10.813	(0.946)	84847	4.49499	4.49499
86	1,2-Dibromoethane	107	10.989	10.990	(0.961)	57453	4.54880	4.54880
89	Chlorobenzene	112	11.472	11.474	(1.003)	322312	4.48401	4.48401
90	1,1,1,2-Tetrachloroethane	131	11.521	11.523	(1.008)	106850	4.43689	4.43689
91	Ethylbenzene	106	11.521	11.513	(1.008)	187567	4.74698	4.74698
92	m and p-Xylene	106	11.630	11.631	(1.017)	448704	9.25949	9.25948
93	o-Xylene	106	12.133	12.124	(1.061)	204007	4.66646	4.66646
94	Styrene	104	12.133	12.134	(1.061)	279914	4.39152	4.39152
95	Bromoform	173	12.438	12.440	(1.088)	48103	4.54874	4.54874
96	isopropyl benzene	105	12.517	12.519	(0.891)	583986	4.59808	4.59808
100	1,1,2,2-Tetrachloroethane	83	12.823	12.825	(0.913)	57013	4.54625	4.54625
102	1,2,3-Trichloropropane	110	12.922	12.923	(0.920)	13794	4.68656	4.68656(Q)
103	Bromobenzene	156	12.971	12.963	(0.923)	134295	4.59516	4.59516
104	n-Propylbenzene	120	12.971	12.963	(0.923)	163153	4.70005	4.70005
106	2-Chlorotoluene	126	13.129	13.130	(0.935)	142243	4.69715	4.69715
105	1,3,5-Trimethylbenzene	105	13.119	13.120	(0.934)	456301	4.51118	4.51118
107	4-Chlorotoluene	126	13.237	13.239	(0.942)	138264	4.80072	4.80072
108	tert-Butylbenzene	119	13.523	13.515	(0.963)	407833	4.54701	4.54701
109	1,2,4-Trimethylbenzene	105	13.563	13.564	(0.966)	436082	4.41859	4.41859
110	sec-Butylbenzene	134	13.770	13.761	(0.980)	129826	4.69386	4.69386
111	4-Isopropyltoluene	119	13.898	13.899	(0.989)	517906	4.53264	4.53264
112	1,3-Dichlorobenzene	146	13.987	13.978	(0.996)	259683	4.59800	4.59800
114	1,4-dichlorobenzene	146	14.075	14.077	(1.002)	252763	4.57771	4.57771
116	n-Butylbenzene	91	14.401	14.402	(1.025)	548386	4.64670	4.64670
117	1,2-Dichlorobenzene	146	14.559	14.560	(1.037)	198653	4.59307	4.59307
118	1,2-Dibromo-3-chloropropane	157	15.564	15.566	(1.108)	8481	4.41904	4.41904
120	1,2,4-Trichlorobenzene	180	16.787	16.789	(1.195)	137580	4.42339	4.42339
121	Hexachlorobutadiene	225	16.984	16.986	(1.209)	126302	4.29073	4.29073
122	Naphthalene	128	17.251	17.252	(1.228)	122884	4.28570	4.28570

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
123 1,2,3-Trichlorobenzene	180	17.655	17.657	(1.257)	103194	4.44656	4.44656

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6862.D

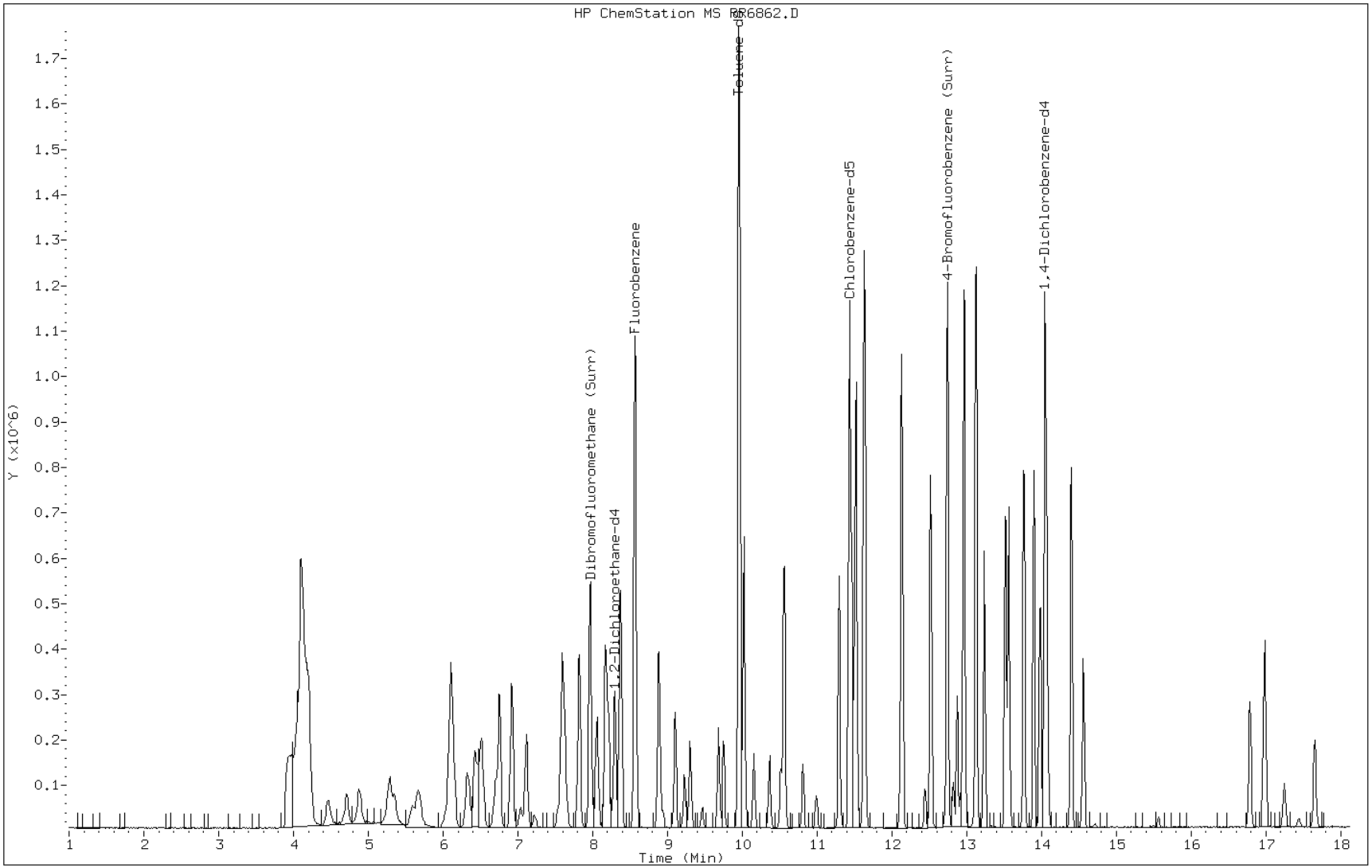
Date: 02-JUL-2012 08:34

Client ID:

Instrument: R2.i

Sample Info: LCS,,2.5uL

Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-126520/6

Matrix: Water | Lab File ID: RR6924.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 07:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	4.20		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	4.14		1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	4.42		3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	4.08		1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	4.54		1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	4.07		1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	3.94	J	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	4.04		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	4.54		1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	4.58		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	4.26		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	4.17		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	4.42		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	4.70		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.48		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	4.37		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	4.08		1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	25.4		6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	4.46		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	4.36		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	4.34		1.0	0.40	0.20
591-78-6	2-Hexanone	19.3		5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	19.7		5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	4.11		1.0	0.40	0.17
71-43-2	Benzene	4.30		1.0	0.20	0.16
67-64-1	Acetone	25.3		10	6.4	1.9
108-86-1	Bromobenzene	4.47		1.0	0.20	0.17
75-25-2	Bromoform	4.40		1.0	0.40	0.19
74-83-9	Bromomethane	4.66		2.0	0.40	0.21
56-23-5	Carbon tetrachloride	4.16		2.0	0.40	0.19
75-15-0	Carbon disulfide	4.47		2.0	0.80	0.45
95-49-8	2-Chlorotoluene	4.38		1.0	0.40	0.17
106-43-4	4-Chlorotoluene	4.45		1.0	0.40	0.17
108-90-7	Chlorobenzene	4.36		1.0	0.20	0.17
74-97-5	Chlorobromomethane	4.47		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.34		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-126520/6

Matrix: Water | Lab File ID: RR6924.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 07:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	4.14		1.0	0.20	0.16
75-00-3	Chloroethane	4.28		2.0	1.6	0.41
74-87-3	Chloromethane	4.41		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	4.51		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	4.19		1.0	0.20	0.16
74-95-3	Dibromomethane	4.63		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	4.21		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	4.65		2.0	0.80	0.31
100-41-4	Ethylbenzene	4.39		1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	4.02		1.0	0.40	0.36
98-82-8	Isopropylbenzene	4.16		1.0	0.40	0.19
106-93-4	Ethylene Dibromide	4.48		1.0	0.20	0.18
75-09-2	Methylene Chloride	4.92	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	4.15	J	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	8.87		2.0	0.80	0.34
91-20-3	Naphthalene	3.66		1.0	0.80	0.22
104-51-8	n-Butylbenzene	4.27		1.0	0.40	0.32
103-65-1	N-Propylbenzene	4.27		1.0	0.20	0.16
95-47-6	o-Xylene	4.41		1.0	0.40	0.19
100-42-5	Styrene	4.27		1.0	0.40	0.17
135-98-8	sec-Butylbenzene	4.39		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.11		1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	4.57		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	4.28		1.0	0.40	0.19
127-18-4	Tetrachloroethene	4.48		1.0	0.40	0.20
108-88-3	Toluene	4.43		1.0	0.40	0.17
79-01-6	Trichloroethene	4.33		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	5.07		2.0	0.80	0.29
75-01-4	Vinyl chloride	4.28		1.5	0.80	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-126520/6

Matrix: Water Lab File ID: RR6924.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/03/2012 07:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126520 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		70-120
460-00-4	4-Bromofluorobenzene (Surr)	90		75-120
1868-53-7	Dibromofluoromethane (Surr)	100		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6924.D
Lab Smp Id: LCS
Inj Date : 03-JUL-2012 07:43
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : LCS,,2.5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 08:09 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: lcs-DOD+.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.561	8.562	(1.000)	1040621	12.5000	
* 88	Chlorobenzene-d5	119	11.430	11.431	(1.000)	219210	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.044	14.044	(1.000)	351266	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.959	7.960	(0.930)	400068	11.2680	11.2680
$ 58	1,2-Dichloroethane-d4	65	8.285	8.285	(0.968)	246227	10.4076	10.4076
$ 76	Toluene-d8	98	9.951	9.952	(0.871)	1228288	11.4635	11.4634
$ 99	4-Bromofluorobenzene (Surr)	95	12.742	12.743	(0.907)	373274	10.1398	10.1398
M 2	1,2-Dichloroethene (total)	96				262642	9.08712	9.08712
M 3	Xylene (total)	106				549927	13.2792	13.2792
7	dichlorodifluoromethane	85	4.449	4.449	(0.520)	133592	4.65350	4.65350
9	Chloromethane	50	4.695	4.695	(0.548)	108924	4.40685	4.40685
10	Vinyl Chloride	62	4.873	4.873	(0.569)	113642	4.27704	4.27704
12	Bromomethane	94	5.277	5.278	(0.616)	115843	4.65999	4.65999
13	Chloroethane	64	5.336	5.336	(0.623)	73503	4.27991	4.27991
15	Trichlorofluoromethane	101	5.662	5.662	(0.661)	227684	5.06617	5.06617
24	Acetone	43	6.076	6.096	(0.710)	56577	25.2657	25.2657
25	1,1-Dichloroethene	96	6.135	6.106	(0.717)	126711	4.53862	4.53862
30	Carbon Disulfide	76	6.411	6.422	(0.749)	504712	4.47119	4.47119
31	tert-Butyl alcohol	59	6.460	6.461	(0.755)	46399	92.3100	92.3100
32	Methylene Chloride	84	6.500	6.510	(0.759)	120672	4.92484	4.92484
33	Acrylonitrile	53	6.687	6.688	(0.781)	132078	59.2000	59.2000
34	Methyl t-butyl ether	73	6.687	6.698	(0.781)	116438	4.15492	4.15492(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
35	trans-1,2-Dichloroethene	96	6.746	6.747	(0.788)	137732	4.57482	4.57482
37	Vinyl acetate	43	7.022	7.033	(0.820)	77421	3.75195	3.75195
39	1,1-Dichloroethane	63	7.101	7.112	(0.830)	226446	4.54267	4.54267
43	2-Butanone	43	7.525	7.526	(0.879)	74105	25.4443	25.4443
44	2-Butanol	45	7.565	7.575	(0.884)	54893	126.070	126.070
45	cis-1,2-Dichloroethene	96	7.584	7.585	(0.886)	124910	4.51230	4.51230
47	2,2-Dichloropropane	77	7.614	7.615	(0.889)	174177	4.34154	4.34154(a)
49	Bromochloromethane	128	7.801	7.812	(0.911)	46739	4.47096	4.47096
50	Chloroform	83	7.811	7.822	(0.912)	204503	4.13863	4.13863
54	1,1,1-Trichloroethane	97	8.048	8.049	(0.940)	188418	4.14304	4.14304
56	1,1-Dichloropropene	75	8.156	8.167	(0.953)	165846	4.03680	4.03680
57	Carbon Tetrachloride	117	8.206	8.206	(0.959)	178410	4.16394	4.16394
60	1,2-Dichloroethane	62	8.354	8.354	(0.976)	94828	4.69876	4.69876
61	Benzene	78	8.364	8.364	(0.977)	416337	4.30018	4.30018
64	Trichloroethene	95	8.876	8.877	(1.037)	126597	4.33142	4.33142
65	2-Pentanone	43	8.935	8.936	(1.044)	40391	7.63984	7.63984
68	1,2-Dichloropropane	63	9.093	9.094	(1.062)	90703	4.36212	4.36212
70	Dibromomethane	93	9.221	9.222	(1.077)	45884	4.63383	4.63383
71	Bromodichloromethane	83	9.300	9.301	(1.086)	116394	4.21151	4.21151
74	cis-1,3-Dichloropropene	75	9.685	9.685	(1.131)	116599	4.18964	4.18964
75	4-Methyl-2-pentanone	43	9.744	9.745	(1.138)	127357	19.7108	19.7108
77	Toluene	91	10.020	10.021	(1.170)	428371	4.43324	4.43324
79	trans-1,3-Dichloropropene	75	10.148	10.159	(1.185)	84688	4.27758	4.27758
80	1,1,2-Trichloroethane	97	10.365	10.366	(1.211)	46572	4.57940	4.57940
81	2-Hexanone	43	10.513	10.514	(0.920)	84800	19.3085	19.3084
82	1,3-Dichloropropane	76	10.543	10.543	(0.922)	82211	4.37205	4.37205
83	Tetrachloroethene	164	10.563	10.563	(0.924)	121361	4.47957	4.47957
84	Dibromochloromethane	129	10.809	10.810	(0.946)	72402	4.34260	4.34260
86	1,2-Dibromoethane	107	10.987	10.987	(0.961)	49930	4.47561	4.47561
89	Chlorobenzene	112	11.470	11.470	(1.003)	276523	4.35540	4.35540
90	1,1,1,2-Tetrachloroethane	131	11.519	11.520	(1.008)	89383	4.20210	4.20210
91	Ethylbenzene	106	11.519	11.520	(1.008)	153224	4.39030	4.39030
92	m and p-Xylene	106	11.628	11.628	(1.017)	379794	8.87322	8.87322
93	o-Xylene	106	12.131	12.131	(1.061)	170133	4.40593	4.40593
94	Styrene	104	12.131	12.131	(1.061)	240254	4.26744	4.26744
95	Bromoform	173	12.446	12.437	(1.089)	41119	4.40218	4.40218
96	isopropyl benzene	105	12.515	12.516	(0.891)	490587	4.15908	4.15908
100	1,1,2,2-Tetrachloroethane	83	12.821	12.821	(0.913)	49597	4.25836	4.25836
102	1,2,3-Trichloropropane	110	12.919	12.920	(0.920)	12094	4.42427	4.42426(Q)
103	Bromobenzene	156	12.969	12.969	(0.923)	121253	4.46726	4.46726
104	n-Propylbenzene	120	12.969	12.959	(0.923)	137741	4.27246	4.27246
106	2-Chlorotoluene	126	13.126	13.127	(0.935)	123213	4.38094	4.38094
105	1,3,5-Trimethylbenzene	105	13.117	13.117	(0.934)	383691	4.08440	4.08440
107	4-Chlorotoluene	126	13.235	13.236	(0.942)	119030	4.45001	4.45001
108	tert-Butylbenzene	119	13.521	13.512	(0.963)	342059	4.10631	4.10631
109	1,2,4-Trimethylbenzene	105	13.560	13.561	(0.966)	382397	4.17193	4.17193
110	sec-Butylbenzene	134	13.767	13.768	(0.980)	112757	4.38954	4.38954
111	4-Isopropyltoluene	119	13.896	13.896	(0.989)	435687	4.10566	4.10566
112	1,3-Dichlorobenzene	146	13.984	13.985	(0.996)	234894	4.47821	4.47821
114	1,4-dichlorobenzene	146	14.073	14.074	(1.002)	228539	4.45659	4.45659
116	n-Butylbenzene	91	14.399	14.399	(1.025)	468034	4.27015	4.27015
117	1,2-Dichlorobenzene	146	14.556	14.557	(1.037)	177377	4.41583	4.41583
118	1,2-Dibromo-3-chloropropane	157	15.562	15.563	(1.108)	7018	3.93732	3.93732
120	1,2,4-Trichlorobenzene	180	16.785	16.786	(1.195)	117710	4.07494	4.07494

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
121 Hexachlorobutadiene	225	16.992	16.983	(1.210)	109787	4.01587	4.01587
122 Naphthalene	128	17.248	17.249	(1.228)	97527	3.66234	3.66234
123 1,2,3-Trichlorobenzene	180	17.653	17.653	(1.257)	87984	4.08207	4.08207

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6924.D

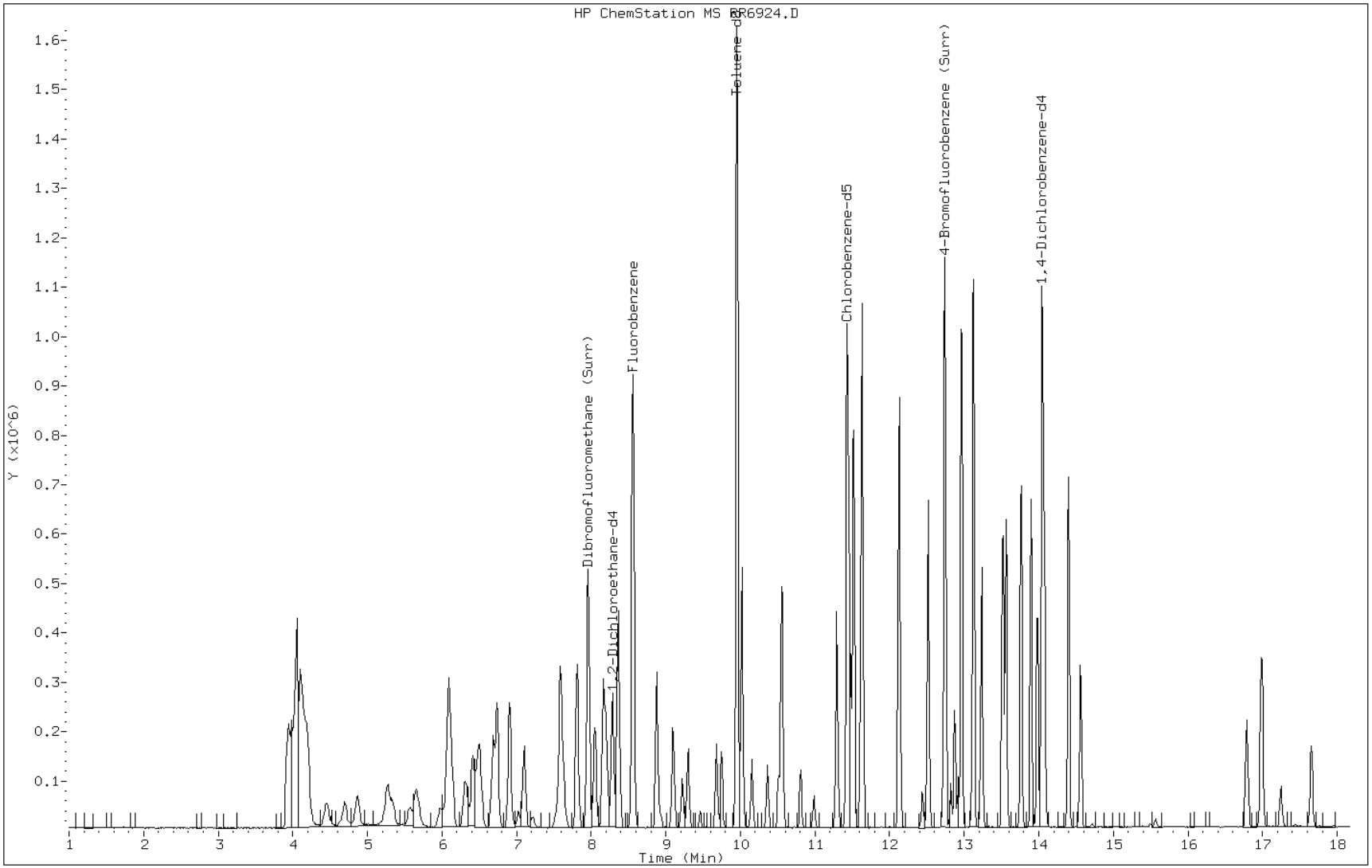
Date: 03-JUL-2012 07:43

Client ID:

Instrument: R2.i

Sample Info: LCS,,2.5uL

Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-126520/7

Matrix: Water | Lab File ID: RR6925.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 08:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	4.13		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	3.85		1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	4.50		3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	4.11		1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	4.34		1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	4.15		1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	4.09	J	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	4.00		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	4.35		1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	4.45		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	4.34		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	4.07		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	4.07		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	4.50		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.42		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	4.47		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	4.08		1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	26.5		6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	4.37		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	4.46		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	4.14		1.0	0.40	0.20
591-78-6	2-Hexanone	19.7		5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	20.2		5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	4.01		1.0	0.40	0.17
71-43-2	Benzene	4.25		1.0	0.20	0.16
67-64-1	Acetone	23.2		10	6.4	1.9
108-86-1	Bromobenzene	4.42		1.0	0.20	0.17
75-25-2	Bromoform	4.36		1.0	0.40	0.19
74-83-9	Bromomethane	4.54		2.0	0.40	0.21
56-23-5	Carbon tetrachloride	4.00		2.0	0.40	0.19
75-15-0	Carbon disulfide	4.45		2.0	0.80	0.45
95-49-8	2-Chlorotoluene	4.28		1.0	0.40	0.17
106-43-4	4-Chlorotoluene	4.44		1.0	0.40	0.17
108-90-7	Chlorobenzene	4.32		1.0	0.20	0.17
74-97-5	Chlorobromomethane	4.33		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.33		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30282-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-126520/7

Matrix: Water | Lab File ID: RR6925.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/03/2012 08:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126520 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	4.11		1.0	0.20	0.16
75-00-3	Chloroethane	4.00		2.0	1.6	0.41
74-87-3	Chloromethane	4.27		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	4.37		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	4.09		1.0	0.20	0.16
74-95-3	Dibromomethane	4.63		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	4.20		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	4.39		2.0	0.80	0.31
100-41-4	Ethylbenzene	4.34		1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	4.02		1.0	0.40	0.36
98-82-8	Isopropylbenzene	4.02		1.0	0.40	0.19
106-93-4	Ethylene Dibromide	4.51		1.0	0.20	0.18
75-09-2	Methylene Chloride	4.79	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	4.06	J	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	8.87		2.0	0.80	0.34
91-20-3	Naphthalene	3.82		1.0	0.80	0.22
104-51-8	n-Butylbenzene	4.12		1.0	0.40	0.32
103-65-1	N-Propylbenzene	4.23		1.0	0.20	0.16
95-47-6	o-Xylene	4.30		1.0	0.40	0.19
100-42-5	Styrene	4.20		1.0	0.40	0.17
135-98-8	sec-Butylbenzene	4.05		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.07		1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	4.37		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	4.18		1.0	0.40	0.19
127-18-4	Tetrachloroethene	4.42		1.0	0.40	0.20
108-88-3	Toluene	4.31		1.0	0.40	0.17
79-01-6	Trichloroethene	4.25		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	4.79		2.0	0.80	0.29
75-01-4	Vinyl chloride	3.92		1.5	0.80	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 280-126520/7

Matrix: Water Lab File ID: RR6925.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/03/2012 08:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126520 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		70-120
460-00-4	4-Bromofluorobenzene (Surr)	87		75-120
1868-53-7	Dibromofluoromethane (Surr)	94		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\RR6925.D
Lab Smp Id: LCSD
Inj Date : 03-JUL-2012 08:05
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : LCSD,,2.5uL
Misc Info : RR6924.D
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070312.B\8260B-H2O.m
Meth Date : 03-Jul-2012 08:09 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: lcs-DOD+.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	8.566	8.562	(1.000)	1094820	12.5000	
* 88 Chlorobenzene-d5	119	11.436	11.431	(1.000)	221177	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.049	14.044	(1.000)	358518	12.5000	
$ 52 Dibromofluoromethane (Surr)	111	7.965	7.960	(0.930)	398486	10.5677	10.5677
$ 58 1,2-Dichloroethane-d4	65	8.290	8.285	(0.968)	241659	9.61530	9.61530
$ 76 Toluene-d8	98	9.957	9.952	(0.871)	1253644	11.6248	11.6248
$ 99 4-Bromofluorobenzene (Surr)	95	12.737	12.743	(0.907)	369859	9.77992	9.77992
M 2 1,2-Dichloroethene (total)	96				265522	8.73453	8.73453
M 3 Xylene (total)	106				550889	13.1772	13.1772
7 dichlorodifluoromethane	85	4.464	4.449	(0.521)	132679	4.39290	4.39290
9 Chloromethane	50	4.710	4.695	(0.550)	111121	4.27317	4.27317
10 Vinyl Chloride	62	4.878	4.873	(0.569)	109557	3.91917	3.91917
12 Bromomethane	94	5.282	5.278	(0.617)	118762	4.54091	4.54091
13 Chloroethane	64	5.342	5.336	(0.624)	72335	4.00339	4.00339
15 Trichlorofluoromethane	101	5.677	5.662	(0.663)	226434	4.78894	4.78894
24 Acetone	43	6.091	6.096	(0.711)	55686	23.1799	23.1799
25 1,1-Dichloroethene	96	6.130	6.106	(0.716)	127846	4.35258	4.35258
30 Carbon Disulfide	76	6.416	6.422	(0.749)	527935	4.44539	4.44539
31 tert-Butyl alcohol	59	6.466	6.461	(0.755)	51406	97.2084	97.2084
32 Methylene Chloride	84	6.515	6.510	(0.761)	123896	4.78631	4.78631
33 Acrylonitrile	53	6.693	6.688	(0.781)	131824	56.1611	56.1611
34 Methyl t-butyl ether	73	6.693	6.698	(0.781)	119766	4.06211	4.06211(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
35	trans-1,2-Dichloroethene	96	6.742	6.747	(0.787)	138319	4.36687	4.36687
37	Vinyl acetate	43	7.028	7.033	(0.820)	87219	4.01753	4.01753
39	1,1-Dichloroethane	63	7.107	7.112	(0.830)	227759	4.34282	4.34282
43	2-Butanone	43	7.531	7.526	(0.879)	81106	26.4695	26.4695
44	2-Butanol	45	7.570	7.575	(0.884)	61241	133.687	133.686
45	cis-1,2-Dichloroethene	96	7.590	7.585	(0.886)	127203	4.36765	4.36765
47	2,2-Dichloropropane	77	7.619	7.615	(0.889)	174715	4.13936	4.13936(a)
49	Bromochloromethane	128	7.807	7.812	(0.911)	47576	4.32573	4.32573
50	Chloroform	83	7.817	7.822	(0.913)	213892	4.11435	4.11435
54	1,1,1-Trichloroethane	97	8.053	8.049	(0.940)	184287	3.85160	3.85160
56	1,1-Dichloropropene	75	8.162	8.167	(0.953)	172709	3.99574	3.99574
57	Carbon Tetrachloride	117	8.201	8.206	(0.957)	180285	3.99940	3.99940
60	1,2-Dichloroethane	62	8.359	8.354	(0.976)	95483	4.49700	4.49700
61	Benzene	78	8.369	8.364	(0.977)	433164	4.25249	4.25249
64	Trichloroethene	95	8.882	8.877	(1.037)	130772	4.25277	4.25277
65	2-Pentanone	43	8.931	8.936	(1.043)	44842	8.06185	8.06185
68	1,2-Dichloropropane	63	9.099	9.094	(1.062)	97491	4.45646	4.45646
70	Dibromomethane	93	9.227	9.222	(1.077)	48241	4.63068	4.63068
71	Bromodichloromethane	83	9.306	9.301	(1.086)	122105	4.19943	4.19943
74	cis-1,3-Dichloropropene	75	9.680	9.685	(1.130)	119815	4.09207	4.09207
75	4-Methyl-2-pentanone	43	9.750	9.745	(1.138)	137007	20.1546	20.1546
77	Toluene	91	10.016	10.021	(1.169)	437957	4.30806	4.30806
79	trans-1,3-Dichloropropene	75	10.154	10.159	(1.185)	87056	4.17951	4.17951
80	1,1,2-Trichloroethane	97	10.361	10.366	(1.210)	47629	4.45149	4.45148
81	2-Hexanone	43	10.509	10.514	(0.919)	87351	19.7124	19.7124
82	1,3-Dichloropropane	76	10.548	10.543	(0.922)	84722	4.46551	4.46551
83	Tetrachloroethene	164	10.558	10.563	(0.923)	120688	4.41511	4.41511
84	Dibromochloromethane	129	10.805	10.810	(0.945)	72921	4.33483	4.33483
86	1,2-Dibromoethane	107	10.992	10.987	(0.961)	50723	4.50626	4.50626
89	Chlorobenzene	112	11.465	11.470	(1.003)	276860	4.32193	4.32192
90	1,1,1,2-Tetrachloroethane	131	11.515	11.520	(1.007)	88703	4.13304	4.13304
91	Ethylbenzene	106	11.515	11.520	(1.007)	152897	4.34197	4.34197
92	m and p-Xylene	106	11.633	11.628	(1.017)	383200	8.87318	8.87318
93	o-Xylene	106	12.126	12.131	(1.060)	167689	4.30402	4.30402
94	Styrene	104	12.136	12.131	(1.061)	238557	4.19961	4.19961
95	Bromoform	173	12.442	12.437	(1.088)	41093	4.36027	4.36027
96	isopropyl benzene	105	12.521	12.516	(0.891)	484015	4.02036	4.02036
100	1,1,2,2-Tetrachloroethane	83	12.816	12.821	(0.912)	51582	4.33920	4.33920
102	1,2,3-Trichloropropane	110	12.925	12.920	(0.920)	12559	4.50144	4.50144(Q)
103	Bromobenzene	156	12.964	12.969	(0.923)	122464	4.42061	4.42061
104	n-Propylbenzene	120	12.964	12.959	(0.923)	139230	4.23129	4.23129
106	2-Chlorotoluene	126	13.132	13.127	(0.935)	122979	4.28417	4.28417
105	1,3,5-Trimethylbenzene	105	13.122	13.117	(0.934)	390966	4.07766	4.07766
107	4-Chlorotoluene	126	13.240	13.236	(0.942)	121086	4.43531	4.43531
108	tert-Butylbenzene	119	13.517	13.512	(0.962)	345735	4.06648	4.06648
109	1,2,4-Trimethylbenzene	105	13.566	13.561	(0.966)	380386	4.06605	4.06604
110	sec-Butylbenzene	134	13.763	13.768	(0.980)	106089	4.04642	4.04642
111	4-Isopropyltoluene	119	13.901	13.896	(0.989)	434814	4.01455	4.01455
112	1,3-Dichlorobenzene	146	13.980	13.985	(0.995)	236785	4.42295	4.42295
114	1,4-dichlorobenzene	146	14.079	14.074	(1.002)	228869	4.37275	4.37275
116	n-Butylbenzene	91	14.394	14.399	(1.025)	460645	4.11772	4.11772
117	1,2-Dichlorobenzene	146	14.562	14.557	(1.036)	166895	4.07084	4.07084
118	1,2-Dibromo-3-chloropropane	157	15.568	15.563	(1.108)	7449	4.09459	4.09459
120	1,2,4-Trichlorobenzene	180	16.790	16.786	(1.195)	122437	4.15284	4.15284

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
121 Hexachlorobutadiene	225	16.988	16.983	(1.209)	112241	4.02258	4.02258
122 Naphthalene	128	17.254	17.249	(1.228)	103727	3.81637	3.81637
123 1,2,3-Trichlorobenzene	180	17.658	17.653	(1.257)	90422	4.11033	4.11033

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6925.D

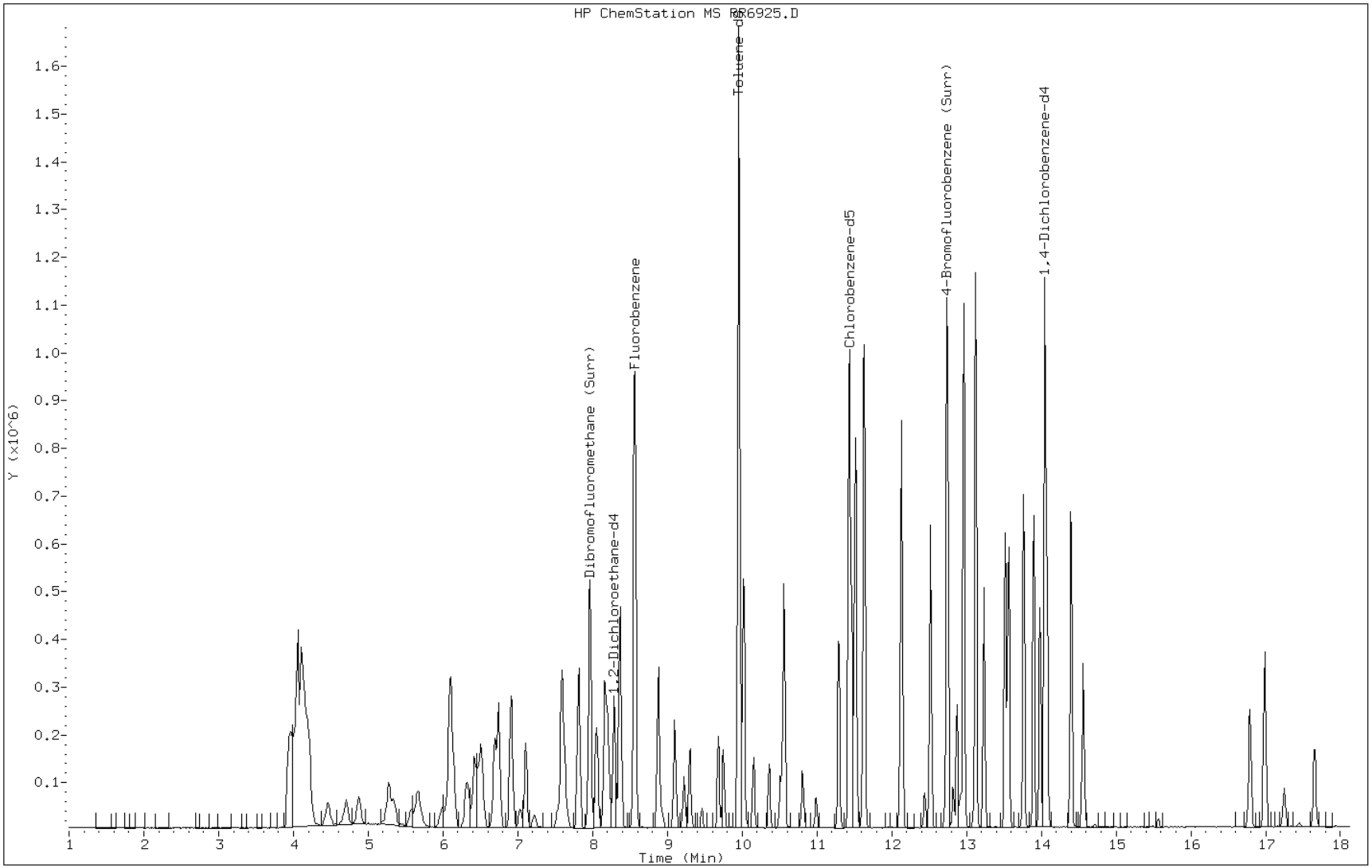
Date: 03-JUL-2012 08:05

Client ID:

Instrument: R2.i

Sample Info: LCSD,,2.5uL

Operator: DOBRANSKYM



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 06/14/2012 06:38

Analysis Batch Number: 124040 End Date: 06/14/2012 18:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-124040/1		06/14/2012 06:38	1	RR6351.D	DB-624 (60.25) 0.25(mm)
CCV 280-124040/2		06/14/2012 07:10	1		DB-624 (60.25) 0.25(mm)
IC 280-124040/3		06/14/2012 07:32	1	RR6354.D	DB-624 (60.25) 0.25(mm)
IC 280-124040/4		06/14/2012 07:54	1	RR6355.D	DB-624 (60.25) 0.25(mm)
IC 280-124040/5		06/14/2012 08:17	1	RR6356.D	DB-624 (60.25) 0.25(mm)
ICIS 280-124040/6		06/14/2012 08:39	1	RR6357.D	DB-624 (60.25) 0.25(mm)
IC 280-124040/7		06/14/2012 09:01	1	RR6358.D	DB-624 (60.25) 0.25(mm)
IC 280-124040/8		06/14/2012 09:23	1	RR6359.D	DB-624 (60.25) 0.25(mm)
ICV 280-124040/9		06/14/2012 09:46	1	RR6360.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 10:08	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 10:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 10:53	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 11:16	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 11:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 12:01	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 12:23	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 12:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 13:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 13:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 13:54	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 14:16	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 14:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 15:02	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 15:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 15:47	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 16:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 16:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 16:55	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 17:17	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 17:40	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 18:03	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 06/15/2012 06:43

Analysis Batch Number: 124226 End Date: 06/15/2012 17:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-124226/1		06/15/2012 06:43	1	RR6385.D	DB-624 (60.25) 0.25(mm)
CCV 280-124226/2		06/15/2012 07:15	1		DB-624 (60.25) 0.25(mm)
IC 280-124226/3		06/15/2012 07:37	1	RR6388.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/4		06/15/2012 08:00	1	RR6389.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/5		06/15/2012 08:22	1	RR6390.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/6		06/15/2012 08:45	1	RR6391.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/7		06/15/2012 09:07	1	RR6392.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/8		06/15/2012 09:30	1	RR6393.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/9		06/15/2012 09:52	1	RR6394.D	DB-624 (60.25) 0.25(mm)
ICV 280-124226/10		06/15/2012 10:15	1	RR6395.D	DB-624 (60.25) 0.25(mm)
ICV 280-124226/11		06/15/2012 10:37	1	RR6396.D	DB-624 (60.25) 0.25(mm)
ICV 280-124226/12		06/15/2012 11:00	1	RR6397.D	DB-624 (60.25) 0.25(mm)
ICV 280-124226/13		06/15/2012 11:22	1	RR6398.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 11:45	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 12:08	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 12:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 13:01	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 13:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 13:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 14:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 14:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 14:54	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 15:17	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 15:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 16:01	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 16:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 16:47	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 17:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 17:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 17:54	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 07/02/2012 06:11

Analysis Batch Number: 126338 End Date: 07/02/2012 18:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-126338/1		07/02/2012 06:11	1	RR6855.D	DB-624 (60.25) 0.25(mm)
CCV 280-126338/2		07/02/2012 06:43	1	RR6857.D	DB-624 (60.25) 0.25(mm)
CCV 280-126338/3		07/02/2012 07:27	1	RR6859.D	DB-624 (60.25) 0.25(mm)
CCV 280-126338/4		07/02/2012 07:49	1	RR6860.D	DB-624 (60.25) 0.25(mm)
CCV 280-126338/5		07/02/2012 08:11	1		DB-624 (60.25) 0.25(mm)
LCS 280-126338/6		07/02/2012 08:34	1	RR6862.D	DB-624 (60.25) 0.25(mm)
MB 280-126338/7		07/02/2012 08:56	1	RR6863.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 09:19	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 09:41	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 10:04	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 10:27	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 10:49	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 11:12	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 11:35	1		DB-624 (60.25) 0.25(mm)
280-30282-6	LF6VM2650QC	07/02/2012 11:57	1	RR6871.D	DB-624 (60.25) 0.25(mm)
280-30282-8	LF6SW0301QA	07/02/2012 12:20	1	RR6872.D	DB-624 (60.25) 0.25(mm)
280-30282-9	062012QE	07/02/2012 12:43	1	RR6873.D	DB-624 (60.25) 0.25(mm)
280-30282-10	062012QF	07/02/2012 13:06	1	RR6874.D	DB-624 (60.25) 0.25(mm)
280-30282-11	062012QR	07/02/2012 13:29	1	RR6875.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 13:51	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 14:14	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 14:37	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 15:00	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 15:23	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 15:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 16:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 16:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 16:55	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 17:18	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 17:41	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 18:04	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 07/03/2012 05:40

Analysis Batch Number: 126520 End Date: 07/03/2012 17:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-126520/1		07/03/2012 05:40	1	RR6918.D	DB-624 (60.25) 0.25(mm)
CCV 280-126520/2		07/03/2012 06:13	1	RR6920.D	DB-624 (60.25) 0.25(mm)
CCV 280-126520/3		07/03/2012 06:36	1	RR6921.D	DB-624 (60.25) 0.25(mm)
CCV 280-126520/4		07/03/2012 06:58	1	RR6922.D	DB-624 (60.25) 0.25(mm)
CCV 280-126520/5		07/03/2012 07:21	1		DB-624 (60.25) 0.25(mm)
LCS 280-126520/6		07/03/2012 07:43	1	RR6924.D	DB-624 (60.25) 0.25(mm)
LCSD 280-126520/7		07/03/2012 08:05	1	RR6925.D	DB-624 (60.25) 0.25(mm)
MB 280-126520/8		07/03/2012 08:29	1	RR6926.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 08:52	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 09:14	1		DB-624 (60.25) 0.25(mm)
280-30282-6 DL	LF6VM2650QC DL	07/03/2012 09:37	1	RR6929.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 10:00	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 10:22	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 10:45	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 11:08	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 11:30	1		DB-624 (60.25) 0.25(mm)
280-30282-1	LF6M1246QA	07/03/2012 11:53	1	RR6935.D	DB-624 (60.25) 0.25(mm)
280-30282-1 DL	LF6M1246QA DL	07/03/2012 12:16	1	RR6936.D	DB-624 (60.25) 0.25(mm)
280-30282-5	LF6VM2650QA	07/03/2012 12:39	1	RR6937.D	DB-624 (60.25) 0.25(mm)
280-30282-5 DL	LF6VM2650QA DL	07/03/2012 13:02	1	RR6938.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 13:25	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 13:47	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 14:10	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 14:33	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 14:55	2		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 15:18	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 15:41	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 16:03	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 16:26	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 16:49	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 17:11	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/03/2012 17:34	1		DB-624 (60.25) 0.25(mm)

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG No.:

Project: Griffiss AFB LF6 LTM

Client Sample ID	Lab Sample ID
LF6M1246QA	280-30282-1
LF6VM17D48QA	280-30282-2
LF6VM17S15QA	280-30282-3
LF6VM2348QA	280-30282-4
LF6VM2650QA	280-30282-5
LF6VM2650QC	280-30282-6
TMCUM0227QA	280-30282-7
LF6SW0301QA	280-30282-8
062012QE	280-30282-9

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6M1246QA
Lab Sample ID: 280-30282-1
Lab Name: TestAmerica Denver
Job No.: 280-30282-1
SDG ID.:
Matrix: Water
Date Sampled: 06/20/2012 11:30
Reporting Basis: WET
Date Received: 06/21/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.084	0.10	0.050	0.022	mg/L	J	J	1	350.1
Nitrogen, Kjeldahl	0.83	1.0	0.20	0.077	mg/L	J	J	1	351.2
Chemical Oxygen Demand	15	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	460	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.12	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Chloride	67	15	2.5	1.3	mg/L			5	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.68	1.0	0.10	0.060	mg/L	J		1	9056A
Nitrate Nitrite as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	47	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	3.1	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	400	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	580	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	59	50	15	5.9	mg/L		D	10	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM17D48QA
Lab Sample ID: 280-30282-2
Lab Name: TestAmerica Denver
Job No.: 280-30282-1
SDG ID.:
Matrix: Water
Date Sampled: 06/20/2012 14:05
Reporting Basis: WET
Date Received: 06/21/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.090	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	0.64	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	U		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	93	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.28	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	1.3	3.0	0.50	0.25	mg/L	J		1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.28	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	11	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.50	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	86	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	98	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM17S15QA
Lab Sample ID: 280-30282-3
Lab Name: TestAmerica Denver
Job No.: 280-30282-1
SDG ID.:
Matrix: Water
Date Sampled: 06/20/2012 15:57
Reporting Basis: WET
Date Received: 06/21/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.076	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	0.85	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	25	20	10	4.1	mg/L			1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	74	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	2.2	0.50	0.10	0.042	mg/L			1	9056A
Chloride	0.54	3.0	0.50	0.25	mg/L	J		1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.20	1.0	0.10	0.060	mg/L	J		1	9056A
Nitrate Nitrite as N	2.2	0.50	0.10	0.042	mg/L			1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U	J	1	9056A
Sulfate	13	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	4.3	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	3.8	5.0	2.0	1.1	mg/L	J		1	SM 2320B
Total Dissolved Solids	34	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM2348QA
Lab Sample ID: 280-30282-4
Lab Name: TestAmerica Denver
Job No.: 280-30282-1
SDG ID.:
Matrix: Water
Date Sampled: 06/20/2012 14:57
Reporting Basis: WET
Date Received: 06/21/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.092	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	0.56	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	U		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	310	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	5.7	0.50	0.10	0.042	mg/L			1	9056A
Chloride	1.6	3.0	0.50	0.25	mg/L	J		1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.093	1.0	0.10	0.060	mg/L	J		1	9056A
Nitrate Nitrite as N	5.7	0.50	0.10	0.042	mg/L			1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	18	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.97	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	290	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	320	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM2650QA
Lab Sample ID: 280-30282-5
Lab Name: TestAmerica Denver
Job No.: 280-30282-1
SDG ID.:
Matrix: Water
Date Sampled: 06/20/2012 14:36
Reporting Basis: WET
Date Received: 06/21/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.12	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	0.67	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	U		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	410	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.17	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Chloride	180	15	2.5	1.3	mg/L			5	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	47	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.72	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	230	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	510	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM2650QC
Lab Sample ID: 280-30282-6
Lab Name: TestAmerica Denver
Job No.: 280-30282-1
SDG ID.:
Matrix: Water
Date Sampled: 06/20/2012 14:36
Reporting Basis: WET
Date Received: 06/21/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.48	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	0.66	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	U		1	410.4
Color	10	5.0	5.0	5.0	PCU			1	SM 2120B
Hardness as calcium carbonate	410	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.18	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	0.042	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	180	15	2.5	1.3	mg/L			5	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.042	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	47	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.73	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	230	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	510	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TMCUM0227QA
Lab Sample ID: 280-30282-7
Lab Name: TestAmerica Denver
Job No.: 280-30282-1
SDG ID.:
Matrix: Water
Date Sampled: 06/20/2012 11:15
Reporting Basis: WET
Date Received: 06/21/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.096	0.10	0.050	0.022	mg/L	J	J	1	350.1
Nitrogen, Kjeldahl	0.65	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	U		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	170	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.37	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	28	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.37	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	27	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	0.70	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	130	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	210	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6SW0301QA
Lab Sample ID: 280-30282-8
Lab Name: TestAmerica Denver
Job No.: 280-30282-1
SDG ID.:
Matrix: Water
Date Sampled: 06/20/2012 15:46
Reporting Basis: WET
Date Received: 06/21/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.28	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	0.78	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	J		1	410.4
Color	15	5.0	5.0	5.0	PCU			1	SM 2120B
Hardness as calcium carbonate	300	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.26	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	0.19	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	170	15	2.5	1.3	mg/L			5	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.19	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	39	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	2.3	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	230	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	520	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	1.6	2.0	0.60	0.24	mg/L	J		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 062012QE
Lab Sample ID: 280-30282-9
Lab Name: TestAmerica Denver
Job No.: 280-30282-1
SDG ID.:
Matrix: Water
Date Sampled: 06/20/2012 16:15
Reporting Basis: WET
Date Received: 06/21/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.071	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	0.66	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	10	20	10	4.1	mg/L	U		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	1.5	5.0	1.5	1.3	mg/L	U		1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.052	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	0.50	3.0	0.50	0.25	mg/L	U		1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.052	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	0.50	5.0	0.50	0.23	mg/L	U		1	9056A
Total Organic Carbon - Quad	0.24	1.0	0.40	0.16	mg/L	J		1	9060A
Alkalinity	2.0	5.0	2.0	1.1	mg/L	U		1	SM 2320B
Total Dissolved Solids	10	10	10	4.7	mg/L	U		1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Analyst: BQW Batch Start Date: 07/05/2012

Reporting Units: mg/L Analytical Batch No.: 126731

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
15	ICVL	10:17	Ammonia	1.84	2.00	92	90-110		NXN ICV INT_00148
16	ICV	10:18	Ammonia	4.82	5.00	96	90-110		NXN ICV INT_00148
17	ICB	10:20	Ammonia	0.050				U	
32	CCV	10:42	Ammonia	4.94	5.00	99	90-110		NXN CAL INT_00155
33	CCVL	10:44	Ammonia	0.991	1.00	99	90-110		NXN CAL INT_00155
34	CCB	10:45	Ammonia	0.050				U	
48	CCV	11:06	Ammonia	4.91	5.00	98	90-110		NXN CAL INT_00155
49	CCVL	11:08	Ammonia	0.999	1.00	100	90-110		NXN CAL INT_00155
50	CCB	11:09	Ammonia	0.050				U	
64	CCV	11:30	Ammonia	4.90	5.00	98	90-110		NXN CAL INT_00155
65	CCVL	11:32	Ammonia	0.994	1.00	99	90-110		NXN CAL INT_00155
66	CCB	11:33	Ammonia	0.050				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Analyst: MW Batch Start Date: 07/13/2012

Reporting Units: mg/L Analytical Batch No.: 127784

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
13	ICV	20:35	Nitrogen, Kjeldahl	9.58	9.92	97	90-110		TKN ICV_00003
14	ICB	20:37	Nitrogen, Kjeldahl	0.294				J	
33	CCV	21:00	Nitrogen, Kjeldahl	4.95	5.00	99	90-110		TKN 25ppm_00097
34	CCB	21:02	Nitrogen, Kjeldahl	0.287				J	
45	CCV	21:16	Nitrogen, Kjeldahl	4.97	5.00	99	90-110		TKN 25ppm_00097
46	CCB	21:17	Nitrogen, Kjeldahl	0.240				J	
57	CCV	21:31	Nitrogen, Kjeldahl	5.04	5.00	101	90-110		TKN 25ppm_00097
58	CCB	21:32	Nitrogen, Kjeldahl	0.242				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Analyst: MF Batch Start Date: 06/26/2012

Reporting Units: mg/L Analytical Batch No.: 125568

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	08:06	Chemical Oxygen Demand	98.8	100	99	90-110		COD icv std_00009
2	ICB	08:06	Chemical Oxygen Demand	10				U	
16	CCV	08:06	Chemical Oxygen Demand	95.7	100	96	90-110		COD cal std_00014
17	CCB	08:06	Chemical Oxygen Demand	10				U	
28	CCV	08:06	Chemical Oxygen Demand	99.8	100	100	90-110		COD cal std_00014
29	CCB	08:06	Chemical Oxygen Demand	10				U	
36	CCV	14:18	Chemical Oxygen Demand	101	100	101	90-110		COD cal std_00014
37	CCB	14:18	Chemical Oxygen Demand	10				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Analyst: MF Batch Start Date: 06/26/2012

Reporting Units: mg/L Analytical Batch No.: 125624

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	11:37	Chemical Oxygen Demand	100	100	100	90-110		COD icv std_00009
2	ICB	11:37	Chemical Oxygen Demand	10				U	
16	CCV	11:37	Chemical Oxygen Demand	103	100	103	90-110		COD cal std_00014
17	CCB	11:37	Chemical Oxygen Demand	10				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Analyst: TLP Batch Start Date: 06/21/2012

Reporting Units: mg/L Analytical Batch No.: 125249

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	09:29	Nitrate as N	2.11	2.00	106	90-110		IC ICV daily_00820
			Nitrite as N	2.05	2.00	103	90-110		IC ICV daily_00820
			Orthophosphate as P	2.03	2.00	102	90-110		IC ICV daily_00820
2	ICB	09:46	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	
18	CCV	16:04	Nitrate as N	5.07	5.00	101	90-110		IC daily cal_00820
			Nitrite as N	4.83	5.00	97	90-110		IC daily cal_00820
			Orthophosphate as P	4.77	5.00	95	90-110		IC daily cal_00820
19	CCB	16:21	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	
30	CCV	19:26	Nitrate as N	5.06	5.00	101	90-110		IC daily cal_00820
			Nitrite as N	4.84	5.00	97	90-110		IC daily cal_00820
			Orthophosphate as P	4.75	5.00	95	90-110		IC daily cal_00820
31	CCB	19:43	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Analyst: TLP Batch Start Date: 06/21/2012

Reporting Units: mg/L Analytical Batch No.: 125250

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	09:29	Bromide	2.04	2.00	102	90-110		IC ICV daily_00820
			Chloride	10.6	10.0	106	90-110		IC ICV daily_00820
			Fluoride	2.19	2.00	110	90-110		IC ICV daily_00820
			Sulfate	10.7	10.0	107	90-110		IC ICV daily_00820
2	ICB	09:46	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
18	CCV	16:04	Bromide	5.03	5.00	101	90-110		IC daily cal_00820
			Chloride	25.2	25.0	101	90-110		IC daily cal_00820
			Fluoride	5.04	5.00	101	90-110		IC daily cal_00820
			Sulfate	26.0	25.0	104	90-110		IC daily cal_00820
19	CCB	16:21	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
30	CCV	19:26	Bromide	5.05	5.00	101	90-110		IC daily cal_00820
			Chloride	25.4	25.0	101	90-110		IC daily cal_00820
			Fluoride	5.05	5.00	101	90-110		IC daily cal_00820
			Sulfate	26.0	25.0	104	90-110		IC daily cal_00820
31	CCB	19:43	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Analyst: DFB Batch Start Date: 07/13/2012

Reporting Units: mg/L Analytical Batch No.: 127875

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	17:02	Total Organic Carbon - Quad	19.1	20.0	95	90-110		TOC ICV Std_00012
2	ICB	17:21	Total Organic Carbon - Quad	0.25				U	
16	CCV	21:23	Total Organic Carbon - Quad	24.1	25.0	96	90-110		TOC LCS Std_00013
17	CCB	21:42	Total Organic Carbon - Quad	0.25				U	
28	CCV	00:54	Total Organic Carbon - Quad	24.0	25.0	96	90-110		TOC LCS Std_00013
29	CCB	01:14	Total Organic Carbon - Quad	0.25				U	
40	CCV	04:30	Total Organic Carbon - Quad	24.1	25.0	97	90-110		TOC LCS Std_00013
41	CCB	04:49	Total Organic Carbon - Quad	0.25				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Analyst: BMG Batch Start Date: 06/26/2012

Reporting Units: mg/L Analytical Batch No.: 125734

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
29	CCV	10:47	Alkalinity	206	200	103	90-110		Alk daily lcs_00253
30	CCB	10:51	Alkalinity	2.0				U	
41	CCV	11:47	Alkalinity	207	200	103	90-110		Alk daily lcs_00253
42	CCB	11:51	Alkalinity	2.0				U	
53	CCV	12:48	Alkalinity	206	200	103	90-110		Alk daily lcs_00253
54	CCB	12:52	Alkalinity	2.0				U	
59	CCV	13:16	Alkalinity	209	200	104	90-110		Alk daily lcs_00253
60	CCB	13:20	Alkalinity	2.0				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 126731	Date: 07/05/2012 10:24						
350.1	MB 280-126731/20	Ammonia	0.050	U	mg/L	0.10	1
Batch ID: 127784	Date: 07/13/2012 21:06	Prep Batch: 127379	Date: 07/11/2012 20:00				
351.2	MB 280-127379/3-A	Nitrogen, Kjeldahl	0.277	J	mg/L	1.0	1
Batch ID: 125568	Date: 06/26/2012 08:06						
410.4	MB 280-125568/5	Chemical Oxygen Demand	10	U	mg/L	20	1
Batch ID: 125624	Date: 06/26/2012 11:37						
410.4	MB 280-125624/5	Chemical Oxygen Demand	10	U	mg/L	20	1
Batch ID: 125249	Date: 06/21/2012 11:10						
9056A	MB 280-125249/7	Nitrate as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125249/7	Nitrite as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125249/7	Nitrate Nitrite as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125249/7	Orthophosphate as P	0.20	U	mg/L	0.50	1
Batch ID: 125250	Date: 06/21/2012 11:10						
9056A	MB 280-125250/7	Bromide	0.20	U	mg/L	0.50	1
9056A	MB 280-125250/7	Chloride	0.50	U	mg/L	3.0	1
9056A	MB 280-125250/7	Fluoride	0.10	U	mg/L	1.0	1
9056A	MB 280-125250/7	Sulfate	0.50	U	mg/L	5.0	1
Batch ID: 127875	Date: 07/13/2012 18:16						
9060A	MB 280-127875/5	Total Organic Carbon - Quad	0.40	U	mg/L	1.0	1
Batch ID: 126226	Date: 06/21/2012 13:00						
SM 2120B	MB 280-126226/1	Color	5.0	U	PCU	5.0	1
Batch ID: 125734	Date: 06/26/2012 11:05						
SM 2320B	MB 280-125734/33	Alkalinity	2.0	U	mg/L	5.0	1
Batch ID: 128017	Date: 07/17/2012 09:02						
SM 2340C	MB 280-128017/1	Hardness as calcium carbonate	1.5	U	mg/L	5.0	1
Batch ID: 125747	Date: 06/27/2012 08:08						
SM 2540C	MB 280-125747/1	Total Dissolved Solids	10	U	mg/L	10	1
Batch ID: 125023	Date: 06/21/2012 13:00						
SM5210B	MB 280-125023/6	Biochemical Oxygen Demand	0.60	U	mg/L	2.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126731	Date: 07/05/2012 10:53										
350.1	280-30282-1	Ammonia	0.084	J	mg/L						J
350.1	280-30282-1 MS	Ammonia	1.47		mg/L	4.00	35	90-110			J
Batch ID: 126731	Date: 07/05/2012 11:14										
350.1	280-30282-7	Ammonia	0.096	J	mg/L						J
350.1	280-30282-7 MS	Ammonia	1.56		mg/L	4.00	37	90-110			J
Batch ID: 127784	Date: 07/13/2012 21:08	Prep Batch: 127379	Date: 07/11/2012 20:00								
351.2	280-30282-1	Nitrogen, Kjeldahl	0.83	J	mg/L						J
351.2	280-30282-1 MS	Nitrogen, Kjeldahl	3.36		mg/L	3.00	84	90-110			J
Batch ID: 125568	Date: 06/26/2012 08:06										
410.4	280-30282-1	Chemical Oxygen Demand	15	J	mg/L						
410.4	280-30282-1 MS	Chemical Oxygen Demand	65.1		mg/L	50.0	100	90-110			
Batch ID: 125249	Date: 06/21/2012 14:23										
9056A	280-30282-3	Nitrate as N	2.2		mg/L						
9056A	280-30282-3 MS	Nitrate as N	7.63		mg/L	5.00	108	87-110			
9056A	280-30282-3	Nitrite as N	0.10	U	mg/L						
9056A	280-30282-3 MS	Nitrite as N	4.99		mg/L	5.00	100	87-112			
9056A	280-30282-3	Orthophosphate as P	0.20	U	mg/L						J
9056A	280-30282-3 MS	Orthophosphate as P	5.76		mg/L	5.00	115	80-120			
Batch ID: 125250	Date: 06/21/2012 14:23										
9056A	280-30282-3	Bromide	0.20	U	mg/L						
9056A	280-30282-3 MS	Bromide	5.35		mg/L	5.00	107	86-110			
9056A	280-30282-3	Chloride	0.54	J	mg/L						
9056A	280-30282-3 MS	Chloride	27.9		mg/L	25.0	109	89-110			
9056A	280-30282-3	Fluoride	0.20	J	mg/L						
9056A	280-30282-3 MS	Fluoride	5.54		mg/L	5.00	107	88-111			
9056A	280-30282-3	Sulfate	13		mg/L						
9056A	280-30282-3 MS	Sulfate	39.0		mg/L	25.0	102	86-110			
Batch ID: 127875	Date: 07/13/2012 22:50										
9060A	280-30282-1	Total Organic Carbon - Quad	3.1		mg/L						
9060A	280-30282-1 MS	Total Organic Carbon - Quad	27.0		mg/L	25.0	96	86-114			
Batch ID: 128017	Date: 07/17/2012 09:02										
SM 2340C	280-30282-1	Hardness as calcium carbonate	460		mg/L						
SM 2340C	280-30282-1 MS	Hardness as calcium carbonate	848		mg/L	403	96	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126731	Date: 07/05/2012 10:54										
350.1	280-30282-1 MSD	Ammonia	1.46		mg/L	4.00	34	90-110	1	20	J
Batch ID: 126731	Date: 07/05/2012 11:15										
350.1	280-30282-7 MSD	Ammonia	1.60		mg/L	4.00	38	90-110	3	20	J
Batch ID: 127784	Date: 07/13/2012 21:09	Prep Batch: 127379	Date: 07/11/2012 20:00								
351.2	280-30282-1 MSD	Nitrogen, Kjeldahl	3.34		mg/L	3.00	84	90-110	1	25	J
Batch ID: 125568	Date: 06/26/2012 08:06										
410.4	280-30282-1 MSD	Chemical Oxygen Demand	61.8		mg/L	50.0	93	90-110	5	11	
Batch ID: 125249	Date: 06/21/2012 14:40										
9056A	280-30282-3 MSD	Nitrate as N	7.67		mg/L	5.00	109	87-110	1	10	
9056A	280-30282-3 MSD	Nitrite as N	5.03		mg/L	5.00	101	87-112	1	10	
9056A	280-30282-3 MSD	Orthophosphate as P	6.08		mg/L	5.00	122	80-120	5	20	J
Batch ID: 125250	Date: 06/21/2012 14:40										
9056A	280-30282-3 MSD	Bromide	5.40		mg/L	5.00	108	86-110	1	10	
9056A	280-30282-3 MSD	Chloride	28.1		mg/L	25.0	110	89-110	1	10	
9056A	280-30282-3 MSD	Fluoride	5.67		mg/L	5.00	109	88-111	2	10	
9056A	280-30282-3 MSD	Sulfate	39.1		mg/L	25.0	103	86-110	0	10	
Batch ID: 127875	Date: 07/13/2012 23:08										
9060A	280-30282-1 MSD	Total Organic Carbon - Quad	27.1		mg/L	25.0	96	86-114	0	12	
Batch ID: 128017	Date: 07/17/2012 09:02										
SM 2340C	280-30282-1 MSD	Hardness as calcium carbonate	866		mg/L	403	100	90-110	2	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 125249 Date: 06/21/2012 14:06								
9056A	LF6VM17S15QA	280-30282-3	Nitrate as N	2.2	mg/L			
9056A	LF6VM17S15QA	280-30282-3 DU	Nitrate as N	2.24	mg/L	0.4	15	
9056A	LF6VM17S15QA	280-30282-3	Nitrite as N	0.10	mg/L			U
9056A	LF6VM17S15QA	280-30282-3 DU	Nitrite as N	0.10	mg/L	NC	15	U
9056A	LF6VM17S15QA	280-30282-3	Orthophosphate as P	0.20	mg/L			U
9056A	LF6VM17S15QA	280-30282-3 DU	Orthophosphate as P	0.20	mg/L	NC	15	U
Batch ID: 125250 Date: 06/21/2012 14:06								
9056A	LF6VM17S15QA	280-30282-3	Bromide	0.20	mg/L			U
9056A	LF6VM17S15QA	280-30282-3 DU	Bromide	0.20	mg/L	NC	15	U
9056A	LF6VM17S15QA	280-30282-3	Chloride	0.54	mg/L			J
9056A	LF6VM17S15QA	280-30282-3 DU	Chloride	0.585	mg/L	7	15	J
9056A	LF6VM17S15QA	280-30282-3	Fluoride	0.20	mg/L			J
9056A	LF6VM17S15QA	280-30282-3 DU	Fluoride	0.214	mg/L	7	15	J
9056A	LF6VM17S15QA	280-30282-3	Sulfate	13	mg/L			
9056A	LF6VM17S15QA	280-30282-3 DU	Sulfate	14.3	mg/L	7	15	
Batch ID: 125249 Date: 06/21/2012 18:02								
9056A	TMCUM0227QA	280-30282-7	Nitrate as N	0.37	mg/L			J
9056A	TMCUM0227QA	280-30282-7 DU	Nitrate as N	0.368	mg/L	0.8	15	J
9056A	TMCUM0227QA	280-30282-7	Nitrite as N	0.10	mg/L			U
9056A	TMCUM0227QA	280-30282-7 DU	Nitrite as N	0.10	mg/L	NC	15	U
9056A	TMCUM0227QA	280-30282-7	Orthophosphate as P	0.20	mg/L			U
9056A	TMCUM0227QA	280-30282-7 DU	Orthophosphate as P	0.20	mg/L	NC	15	U
Batch ID: 125250 Date: 06/21/2012 18:02								
9056A	TMCUM0227QA	280-30282-7	Bromide	0.20	mg/L			U
9056A	TMCUM0227QA	280-30282-7 DU	Bromide	0.20	mg/L	NC	15	U
9056A	TMCUM0227QA	280-30282-7	Chloride	28	mg/L			
9056A	TMCUM0227QA	280-30282-7 DU	Chloride	28.6	mg/L	0.5	15	
9056A	TMCUM0227QA	280-30282-7	Fluoride	0.10	mg/L			U
9056A	TMCUM0227QA	280-30282-7 DU	Fluoride	0.10	mg/L	NC	15	U
9056A	TMCUM0227QA	280-30282-7	Sulfate	27	mg/L			
9056A	TMCUM0227QA	280-30282-7 DU	Sulfate	27.0	mg/L	0.4	15	
Batch ID: 126226 Date: 06/21/2012 13:00								
SM 2120B	LF6M1246QA	280-30282-1	Color	5.0	PCU			U
SM 2120B	LF6M1246QA	280-30282-1 DU	Color	5.0	PCU	NC	20	U
Batch ID: 125747 Date: 06/27/2012 08:08								
SM 2540C	LF6M1246QA	280-30282-1	Total Dissolved Solids	580	mg/L			
SM 2540C	LF6M1246QA	280-30282-1 DU	Total Dissolved Solids	585	mg/L	2	10	
Batch ID: 125023 Date: 06/21/2012 13:11								
SM5210B	LF6M1246QA	280-30282-1	Biochemical Oxygen Demand	59	mg/L			
SM5210B	LF6M1246QA	280-30282-1 DU	Biochemical Oxygen Demand	56.8	mg/L	4	20	D

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126731	Date: 07/05/2012 10:26										
						LCS Source: NXN CAL INT_00155					
350.1	LCS 280-126731/21	Ammonia	5.06		mg/L	5.00	101	90-110	0	10	
Batch ID: 127784	Date: 07/13/2012 21:03	Prep Batch: 127379	Date: 07/11/2012 20:00								
						LCS Source: TKN 25ppm_00097					
351.2	LCS 280-127379/1-A	Nitrogen, Kjeldahl	5.86		mg/L	6.00	98	90-110	0	25	
Batch ID: 125568	Date: 06/26/2012 08:06										
						LCS Source: COD cal std_00014					
410.4	LCS 280-125568/3	Chemical Oxygen Demand	95.4		mg/L	100	95	90-110	3	11	
Batch ID: 125624	Date: 06/26/2012 11:37										
						LCS Source: COD cal std_00014					
410.4	LCS 280-125624/3	Chemical Oxygen Demand	103		mg/L	100	103	90-110	4	11	
Batch ID: 125249	Date: 06/21/2012 10:37										
						LCS Source: IC daily cal_00820					
9056A	LCS 280-125249/5	Nitrate as N	5.05		mg/L	5.00	101	87-110	0	10	
9056A	LCS 280-125249/5	Nitrite as N	4.81		mg/L	5.00	96	87-112	0	10	
9056A	LCS 280-125249/5	Orthophosphate as P	4.59		mg/L	5.00	92	90-110	2	10	
Batch ID: 125250	Date: 06/21/2012 10:37										
						LCS Source: IC daily cal_00820					
9056A	LCS 280-125250/5	Bromide	5.01		mg/L	5.00	100	86-110	0	10	
9056A	LCS 280-125250/5	Chloride	25.2		mg/L	25.0	101	89-110	0	10	
9056A	LCS 280-125250/5	Fluoride	5.11		mg/L	5.00	102	88-111	0	10	
9056A	LCS 280-125250/5	Sulfate	25.4		mg/L	25.0	102	86-110	0	10	
Batch ID: 127875	Date: 07/13/2012 17:38										
						LCS Source: TOC LCS Std_00013					
9060A	LCS 280-127875/3	Total Organic Carbon - Quad	24.1		mg/L	25.0	96	86-114	0	12	
Batch ID: 125734	Date: 06/26/2012 10:56										
						LCS Source: Alk daily lcs_00253					
SM 2320B	LCS 280-125734/31	Alkalinity	207		mg/L	200	103	90-110	0	10	
Batch ID: 128017	Date: 07/17/2012 09:02										
						LCS Source: Hard lcs std_00022					
SM 2340C	LCS 280-128017/2	Hardness as calcium carbonate	398		mg/L	403	99	90-110	1	10	
Batch ID: 125747	Date: 06/27/2012 08:08										
						LCS Source: TDS LCS_00279					
SM 2540C	LCS 280-125747/2	Total Dissolved Solids	478		mg/L	502	95	86-110	1	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 125023	Date: 06/21/2012 13:00										
						LCS Source: BOD Daily LCS_00525					
SM5210B	LCS 280-125023/4	Biochemical Oxygen Demand	199		mg/L	198	101	85-115	6	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126731	Date: 07/05/2012 10:27										
						LCSD Source: NXN CAL INT_00155					
350.1	LCSD 280-126731/22	Ammonia	5.07		mg/L	5.00	101	90-110	0	10	
Batch ID: 127784	Date: 07/13/2012 21:04	Prep Batch: 127379	Date: 07/11/2012 20:00								
						LCSD Source: TKN 25ppm_00097					
351.2	LCSD 280-127379/2-A	Nitrogen, Kjeldahl	5.83		mg/L	6.00	97	90-110	0	25	
Batch ID: 125568	Date: 06/26/2012 08:06										
						LCSD Source: COD cal std_00014					
410.4	LCSD 280-125568/4	Chemical Oxygen Demand	98.4		mg/L	100	98	90-110	3	11	
Batch ID: 125624	Date: 06/26/2012 11:37										
						LCSD Source: COD cal std_00014					
410.4	LCSD 280-125624/4	Chemical Oxygen Demand	99.4		mg/L	100	99	90-110	4	11	
Batch ID: 125249	Date: 06/21/2012 10:53										
						LCSD Source: IC daily cal_00820					
9056A	LCSD 280-125249/6	Nitrate as N	5.05		mg/L	5.00	101	87-110	0	10	
9056A	LCSD 280-125249/6	Nitrite as N	4.79		mg/L	5.00	96	87-112	0	10	
9056A	LCSD 280-125249/6	Orthophosphate as P	4.67		mg/L	5.00	93	90-110	2	10	
Batch ID: 125250	Date: 06/21/2012 10:53										
						LCSD Source: IC daily cal_00820					
9056A	LCSD 280-125250/6	Bromide	5.01		mg/L	5.00	100	86-110	0	10	
9056A	LCSD 280-125250/6	Chloride	25.2		mg/L	25.0	101	89-110	0	10	
9056A	LCSD 280-125250/6	Fluoride	5.11		mg/L	5.00	102	88-111	0	10	
9056A	LCSD 280-125250/6	Sulfate	25.3		mg/L	25.0	101	86-110	0	10	
Batch ID: 127875	Date: 07/13/2012 17:56										
						LCSD Source: TOC LCS Std_00013					
9060A	LCSD 280-127875/4	Total Organic Carbon - Quad	24.0		mg/L	25.0	96	86-114	0	12	
Batch ID: 125734	Date: 06/26/2012 11:01										
						LCSD Source: Alk daily lcs_00253					
SM 2320B	LCSD 280-125734/32	Alkalinity	207		mg/L	200	104	90-110	0	10	
Batch ID: 128017	Date: 07/17/2012 09:02										
						LCSD Source: Hard lcs std_00022					
SM 2340C	LCSD 280-128017/3	Hardness as calcium carbonate	400		mg/L	403	99	90-110	1	10	
Batch ID: 125747	Date: 06/27/2012 08:08										
						LCSD Source: TDS LCS_00279					
SM 2540C	LCSD 280-125747/3	Total Dissolved Solids	471		mg/L	502	94	86-110	1	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 125023	Date: 06/21/2012 13:00										
						LCSD Source: BOD Daily LCS_00525					
SM5210B	LCSD 280-125023/5	Biochemical Oxygen Demand	211		mg/L	198	106	85-115	6	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 125249	Date: 06/21/2012 10:03										
						LCS Source:	IC CAL INT1_00159				
9056A	MRL 280-125249/3	Nitrate as N	0.501		mg/L	0.500	100	50-150			
9056A	MRL 280-125249/3	Nitrite as N	0.490	J	mg/L	0.500	98	50-150			
9056A	MRL 280-125249/3	Orthophosphate as P	0.376	J	mg/L	0.500	75	50-150			
Batch ID: 125250	Date: 06/21/2012 10:20										
						LCS Source:	IC CAL INT1_00159				
9056A	MRL 280-125250/4	Bromide	0.220		mg/L	0.200	110	50-150			
9056A	MRL 280-125250/4	Chloride	1.04	J	mg/L	1.00	104	50-150			
9056A	MRL 280-125250/4	Fluoride	0.190	J	mg/L	0.200	95	50-150			
9056A	MRL 280-125250/4	Sulfate	0.788	J	mg/L	1.00	79	50-150			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 350.1 DL Date: 03/28/2011 13:26

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Ammonia		0.1	0.022

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 350.1 XMDL Date: 03/28/2011 13:26

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Ammonia		0.1	0.0225

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 351.2 DL Date: 10/26/2010 10:52

Prep Method: 351.2

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Nitrogen, Kjeldahl		1	0.077

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 351.2 XMDL Date: 10/26/2010 10:52

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrogen, Kjeldahl		1	0.077

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: WC_HACH SPEC

Method: 410.4 DL Date: 09/19/2011 14:10

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Chemical Oxygen Demand		20	4.06

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: WC_HACH SPEC

Method: 410.4 XMDL Date: 03/22/2010 16:03

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chemical Oxygen Demand		20	4.06

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2120B LOQ Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	LOQ (PCU)	
Color		5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2120B XRL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (PCU)	
Color		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2340C DL Date: 03/11/2010 17:08

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Hardness as calcium carbonate		5	1.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2340C XMDL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Hardness as calcium carbonate		5	1.3

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A DL Date: 11/30/2009 00:00

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Bromide		0.5	0.113
Chloride		3	0.254
Fluoride		1	0.06
Nitrate as N		0.5	0.042
Nitrate Nitrite as N		0.5	0.042
Nitrite as N		0.5	0.049
Orthophosphate as P		0.5	0.187
Sulfate		5	0.232

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A XMDL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Bromide		0.2	0.113
Chloride		3	0.254
Fluoride		0.5	0.0597
Sulfate		5	0.232

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A XMDL Date: 03/28/2011 13:33

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrate as N		0.5	0.0425
Nitrate Nitrite as N		0.5	0.0425
Nitrite as N		0.5	0.0494
Orthophosphate as P		0.5	0.187

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060A DL Date: 11/30/2009 00:00

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Total Organic Carbon - Quad		1	0.155

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060A XMDL Date: 03/28/2011 11:39

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon - Quad		1	0.155

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: WC-AT3

Method: SM 2320B DL Date: 03/28/2011 12:06

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Alkalinity		5	1.07

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: WC-AT3

Method: SM 2320B XMDL Date: 03/28/2011 12:06

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Alkalinity		5	1.07

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2540C DL Date: 10/07/2011 10:03

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Total Dissolved Solids		10	4.7

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2540C XMDL Date: 10/11/2010 11:58

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Dissolved Solids		10	4.7

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM5210B DL Date: 03/28/2011 12:09

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Biochemical Oxygen Demand		2	0.236

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30282-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM5210B XMDL Date: 03/28/2011 12:09

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Biochemical Oxygen Demand		2	0.236

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Prep Method: 351.2

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LCS 280-127379/1-A	07/11/2012 20:00	127379		25	25
LCSD 280-127379/2-A	07/11/2012 20:00	127379		25	25
MB 280-127379/3-A	07/11/2012 20:00	127379		25	25
280-30282-1	07/11/2012 20:00	127379		25	25
280-30282-1 MS	07/11/2012 20:00	127379		25	25
280-30282-1 MSD	07/11/2012 20:00	127379		25	25
280-30282-2	07/11/2012 20:00	127379		25	25
280-30282-3	07/11/2012 20:00	127379		25	25
280-30282-4	07/11/2012 20:00	127379		25	25
280-30282-5	07/11/2012 20:00	127379		25	25
280-30282-6	07/11/2012 20:00	127379		25	25
280-30282-7	07/11/2012 20:00	127379		25	25
280-30282-8	07/11/2012 20:00	127379		25	25
280-30282-9	07/11/2012 20:00	127379		25	25

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/05/2012 09:56 End Date: 07/05/2012 16:08

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			09:56																				
ZZZZZZ			09:57																				
ZZZZZZ			09:59																				
ZZZZZZ			10:00																				
IC 280-126731/5			10:02	X																			
IC 280-126731/6			10:03	X																			
IC 280-126731/7			10:05	X																			
IC 280-126731/8			10:06	X																			
IC 280-126731/9			10:08	X																			
IC 280-126731/10			10:09	X																			
IC 280-126731/11			10:11	X																			
ZZZZZZ			10:12																				
ZZZZZZ			10:14																				
ZZZZZZ			10:15																				
ICVL 280-126731/15	1		10:17	X																			
ICV 280-126731/16	1		10:18	X																			
ICB 280-126731/17	1		10:20	X																			
MRL 280-126731/18	1	T	10:21	X																			
ZZZZZZ			10:23																				
MB 280-126731/20	1	T	10:24	X																			
LCS 280-126731/21	1	T	10:26	X																			
LCSD 280-126731/22	1	T	10:27	X																			
ZZZZZZ			10:29																				
ZZZZZZ			10:30																				
ZZZZZZ			10:32																				
ZZZZZZ			10:33																				
ZZZZZZ			10:35																				
ZZZZZZ			10:36																				
ZZZZZZ			10:38																				
ZZZZZZ			10:39																				
RINSE 280-126731/31			10:41																				
CCV 280-126731/32	1		10:42	X																			
CCVL 280-126731/33	1		10:44	X																			
CCB 280-126731/34	1		10:45	X																			
ZZZZZZ			10:47																				
ZZZZZZ			10:48																				
ZZZZZZ			10:50																				
280-30282-1	1	T	10:51	X																			
280-30282-1 MS	1	T	10:53	X																			
280-30282-1 MSD	1	T	10:54	X																			
280-30282-2	1	T	10:56	X																			
280-30282-3	1	T	10:57	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/05/2012 09:56 End Date: 07/05/2012 16:08

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
280-30282-4	1	T	10:59	X																			
280-30282-5	1	T	11:00	X																			
280-30282-6	1	T	11:02	X																			
ZZZZZZ			11:03																				
RINSE 280-126731/47			11:05																				
CCV 280-126731/48	1		11:06	X																			
CCVL 280-126731/49	1		11:08	X																			
CCB 280-126731/50	1		11:09	X																			
ZZZZZZ			11:11																				
280-30282-7	1	T	11:12	X																			
280-30282-7 MS	1	T	11:14	X																			
280-30282-7 MSD	1	T	11:15	X																			
280-30282-8	1	T	11:17	X																			
280-30282-9	1	T	11:18	X																			
ZZZZZZ			11:20																				
ZZZZZZ			11:21																				
ZZZZZZ			11:23																				
ZZZZZZ			11:24																				
ZZZZZZ			11:26																				
ZZZZZZ			11:27																				
RINSE 280-126731/63			11:29																				
CCV 280-126731/64	1		11:30	X																			
CCVL 280-126731/65	1		11:32	X																			
CCB 280-126731/66	1		11:33	X																			
ZZZZZZ			11:35																				
ZZZZZZ			11:36																				
ZZZZZZ			11:38																				
ZZZZZZ			11:39																				
ZZZZZZ			11:41																				
ZZZZZZ			11:42																				
ZZZZZZ			11:44																				
ZZZZZZ			11:45																				
ZZZZZZ			11:47																				
ZZZZZZ			11:48																				
ZZZZZZ			11:50																				
ZZZZZZ			11:51																				
RINSE 280-126731/79			11:53																				
CCV 280-126731/80			11:54																				
CCVL 280-126731/81			11:56																				
CCB 280-126731/82			11:57																				
ZZZZZZ			11:59																				
ZZZZZZ			12:00																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/05/2012 09:56 End Date: 07/05/2012 16:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			12:02																				
ZZZZZZ			12:03																				
ZZZZZZ			12:05																				
ZZZZZZ			12:06																				
ZZZZZZ			12:08																				
ZZZZZZ			12:09																				
ZZZZZZ			12:11																				
ZZZZZZ			12:12																				
ZZZZZZ			12:14																				
CCV 280-126731/94			12:23																				
CCV 280-126731/95			12:25																				
CCB 280-126731/96			12:26																				
ZZZZZZ			12:28																				
ZZZZZZ			12:29																				
ZZZZZZ			12:31																				
ZZZZZZ			12:32																				
ZZZZZZ			12:34																				
ZZZZZZ			12:35																				
ZZZZZZ			12:37																				
ZZZZZZ			12:38																				
ZZZZZZ			12:40																				
ZZZZZZ			12:41																				
ZZZZZZ			12:43																				
ZZZZZZ			12:44																				
RINSE 280-126731/109			12:46																				
CCV 280-126731/110			12:47																				
CCVL 280-126731/111			12:49																				
CCB 280-126731/112			12:50																				
ZZZZZZ			12:52																				
ZZZZZZ			12:53																				
ZZZZZZ			12:55																				
RINSE 280-126731/116			12:56																				
ZZZZZZ			12:58																				
ZZZZZZ			12:59																				
ZZZZZZ			13:01																				
ZZZZZZ			13:02																				
ZZZZZZ			13:04																				
ZZZZZZ			13:05																				
ZZZZZZ			13:07																				
ZZZZZZ			13:08																				
RINSE 280-126731/125			13:10																				
CCV 280-126731/126			13:11																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/05/2012 09:56 End Date: 07/05/2012 16:08

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
CCVL 280-126731/127			13:13																				
CCB 280-126731/128			13:14																				
ZZZZZZ			13:16																				
RINSE 280-126731/130			13:17																				
ZZZZZZ			13:19																				
ZZZZZZ			13:20																				
ZZZZZZ			13:22																				
ZZZZZZ			13:23																				
ZZZZZZ			13:25																				
ZZZZZZ			13:26																				
ZZZZZZ			13:28																				
ZZZZZZ			13:29																				
ZZZZZZ			13:31																				
RINSE 280-126731/140			13:32																				
ZZZZZZ			13:34																				
RINSE 280-126731/142			13:35																				
CCV 280-126731/143			13:37																				
CCVL 280-126731/144			13:38																				
CCB 280-126731/145			13:40																				
ZZZZZZ			13:41																				
RINSE 280-126731/147			13:43																				
ZZZZZZ			13:44																				
ZZZZZZ			13:46																				
ZZZZZZ			13:47																				
ZZZZZZ			13:49																				
ZZZZZZ			13:50																				
ZZZZZZ			13:52																				
ZZZZZZ			13:53																				
ZZZZZZ			13:55																				
ZZZZZZ			13:56																				
ZZZZZZ			13:58																				
ZZZZZZ			13:59																				
RINSE 280-126731/159			14:01																				
CCV 280-126731/160			14:02																				
CCVL 280-126731/161			14:04																				
CCB 280-126731/162			14:05																				
ZZZZZZ			14:07																				
RINSE 280-126731/164			14:08																				
ZZZZZZ			14:10																				
ZZZZZZ			14:11																				
ZZZZZZ			14:13																				
ZZZZZZ			14:14																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/05/2012 09:56 End Date: 07/05/2012 16:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			14:16																				
ZZZZZZ			14:17																				
ZZZZZZ			14:19																				
ZZZZZZ			14:20																				
ZZZZZZ			14:22																				
ZZZZZZ			14:23																				
ZZZZZZ			14:25																				
RINSE 280-126731/176			14:26																				
CCV 280-126731/177			14:28																				
CCVL 280-126731/178			14:29																				
CCB 280-126731/179			14:31																				
ZZZZZZ			14:32																				
RINSE 280-126731/181			14:34																				
ZZZZZZ			14:35																				
ZZZZZZ			14:37																				
ZZZZZZ			14:39																				
ZZZZZZ			14:40																				
ZZZZZZ			14:42																				
ZZZZZZ			14:43																				
ZZZZZZ			14:45																				
ZZZZZZ			14:46																				
ZZZZZZ			14:48																				
RINSE 280-126731/191			14:49																				
RINSE 280-126731/192			14:51																				
RINSE 280-126731/193			14:52																				
CCV 280-126731/194			14:54																				
CCVL 280-126731/195			14:55																				
CCB 280-126731/196			14:57																				
ZZZZZZ			14:59																				
RINSE 280-126731/198			15:00																				
ZZZZZZ			15:02																				
ZZZZZZ			15:03																				
ZZZZZZ			15:05																				
RINSE 280-126731/202			15:06																				
RINSE 280-126731/203			15:08																				
ZZZZZZ			15:09																				
ZZZZZZ			15:11																				
ZZZZZZ			15:12																				
ZZZZZZ			15:14																				
ZZZZZZ			15:15																				
ZZZZZZ			15:17																				
RINSE 280-126731/210			15:18																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/05/2012 09:56 End Date: 07/05/2012 16:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
CCV 280-126731/211			15:20																				
CCVL 280-126731/212			15:21																				
CCB 280-126731/213			15:23																				
ZZZZZZ			15:24																				
RINSE 280-126731/215			15:26																				
ZZZZZZ			15:27																				
ZZZZZZ			15:29																				
ZZZZZZ			15:30																				
ZZZZZZ			15:32																				
ZZZZZZ			15:33																				
ZZZZZZ			15:35																				
ZZZZZZ			15:36																				
ZZZZZZ			15:38																				
ZZZZZZ			15:39																				
ZZZZZZ			15:41																				
ZZZZZZ			15:42																				
RINSE 280-126731/227			15:44																				
CCV 280-126731/228			15:45																				
CCVL 280-126731/229			15:47																				
CCB 280-126731/230			15:48																				
ZZZZZZ			15:50																				
ZZZZZZ			15:51																				
ZZZZZZ			15:53																				
ZZZZZZ			15:54																				
ZZZZZZ			15:56																				
ZZZZZZ			15:57																				
ZZZZZZ			15:59																				
ZZZZZZ			16:00																				
ZZZZZZ			16:02																				
ZZZZZZ			16:03																				
ZZZZZZ			16:05																				
ZZZZZZ			16:06																				
RINSE 280-126731/243			16:08																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC_Astoria Method: 351.2

Start Date: 07/13/2012 20:21 End Date: 07/13/2012 21:54

Lab Sample ID	D / F	Type	Time	Analytes																			
				TKN																			
ZZZZZZ			20:21																				
ZZZZZZ			20:22																				
ZZZZZZ			20:23																				
ZZZZZZ			20:24																				
IC 280-127784/5			20:25	X																			
IC 280-127784/6			20:27	X																			
IC 280-127784/7			20:28	X																			
IC 280-127784/8			20:29	X																			
IC 280-127784/9			20:30	X																			
IC 280-127784/10			20:32	X																			
ZZZZZZ			20:33																				
ZZZZZZ			20:34																				
ICV 280-127784/13	2		20:35	X																			
ICB 280-127784/14	1		20:37	X																			
ZZZZZZ			20:38																				
ZZZZZZ			20:39																				
ZZZZZZ			20:40																				
ZZZZZZ			20:42																				
ZZZZZZ			20:43																				
ZZZZZZ			20:44																				
CCV 280-127784/21			20:45																				
CCB 280-127784/22			20:47																				
ZZZZZZ			20:48																				
ZZZZZZ			20:49																				
ZZZZZZ			20:50																				
ZZZZZZ			20:52																				
ZZZZZZ			20:53																				
ZZZZZZ			20:54																				
ZZZZZZ			20:55																				
ZZZZZZ			20:57																				
ZZZZZZ			20:58																				
ZZZZZZ			20:59																				
CCV 280-127784/33	1		21:00	X																			
CCB 280-127784/34	1		21:02	X																			
LCS 280-127379/1-A	1	T	21:03	X																			
LCSD 280-127379/2-A	1	T	21:04	X																			
MB 280-127379/3-A	1	T	21:06	X																			
280-30282-1	1	T	21:07	X																			
280-30282-1 MS	1	T	21:08	X																			
280-30282-1 MSD	1	T	21:09	X																			
ZZZZZZ			21:11																				
280-30282-2	1	T	21:12	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC_Astoria Method: 351.2

Start Date: 07/13/2012 20:21 End Date: 07/13/2012 21:54

Lab Sample ID	D / F	Type	Time	Analytes																				
				TKN																				
280-30282-3	1	T	21:13	X																				
280-30282-4	1	T	21:14	X																				
CCV 280-127784/45	1		21:16	X																				
CCB 280-127784/46	1		21:17	X																				
280-30282-5	1	T	21:18	X																				
280-30282-6	1	T	21:19	X																				
280-30282-7	1	T	21:21	X																				
280-30282-8	1	T	21:22	X																				
280-30282-9	1	T	21:23	X																				
ZZZZZZ			21:24																					
ZZZZZZ			21:26																					
ZZZZZZ			21:27																					
ZZZZZZ			21:28																					
ZZZZZZ			21:29																					
CCV 280-127784/57	1		21:31	X																				
CCB 280-127784/58	1		21:32	X																				
ZZZZZZ			21:33																					
ZZZZZZ			21:34																					
ZZZZZZ			21:36																					
ZZZZZZ			21:37																					
ZZZZZZ			21:38																					
ZZZZZZ			21:39																					
ZZZZZZ			21:41																					
ZZZZZZ			21:42																					
ZZZZZZ			21:43																					
ZZZZZZ			21:44																					
ZZZZZZ			21:46																					
CCV 280-127784/70			21:47																					
CCB 280-127784/71			21:48																					
ZZZZZZ			21:49																					
ZZZZZZ			21:51																					
ZZZZZZ			21:52																					
ZZZZZZ			21:53																					
ZZZZZZ			21:54																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC_HACH SPEC Method: 410.4

Start Date: 06/26/2012 08:06 End Date: 06/26/2012 14:18

Lab Sample ID	D/F	Type	Time	Analytes																			
				COD																			
ICV 280-125568/1	1		08:06	X																			
ICB 280-125568/2	1		08:06	X																			
LCS 280-125568/3	1	T	08:06	X																			
LCSD 280-125568/4	1	T	08:06	X																			
MB 280-125568/5	1	T	08:06	X																			
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
CCV 280-125568/16	1		08:06	X																			
CCB 280-125568/17	1		08:06	X																			
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
280-30282-1	1	T	08:06	X																			
280-30282-1 MS	1	T	08:06	X																			
280-30282-1 MSD	1	T	08:06	X																			
280-30282-2	1	T	08:06	X																			
280-30282-3	1	T	08:06	X																			
280-30282-4	1	T	08:06	X																			
CCV 280-125568/28	1		08:06	X																			
CCB 280-125568/29	1		08:06	X																			
280-30282-5	1	T	08:06	X																			
280-30282-6	1	T	08:06	X																			
280-30282-7	1	T	08:06	X																			
280-30282-8	1	T	08:06	X																			
ZZZZZZ			08:06																				
ZZZZZZ			08:06																				
CCV 280-125568/36	1		14:18	X																			
CCB 280-125568/37	1		14:18	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC_HACH SPEC Method: 410.4

Start Date: 06/26/2012 11:37 End Date: 06/26/2012 11:37

Lab Sample ID	D / F	Type	Time	Analytes																			
				COD																			
ICV 280-125624/1	1		11:37	X																			
ICB 280-125624/2	1		11:37	X																			
LCS 280-125624/3	1	T	11:37	X																			
LCSD 280-125624/4	1	T	11:37	X																			
MB 280-125624/5	1	T	11:37	X																			
280-30282-9	1	T	11:37	X																			
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
CCV 280-125624/16	1		11:37	X																			
CCB 280-125624/17	1		11:37	X																			
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
CCV 280-125624/23			11:37																				
CCB 280-125624/24			11:37																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2120B

Start Date: 06/21/2012 13:00 End Date: 06/21/2012 13:00

Lab Sample ID	D / F	Type	Time	Analytes																			
				Color																			
MB 280-126226/1	1	T	13:00	X																			
280-30282-1	1	T	13:00	X																			
280-30282-1 DU	1	T	13:00	X																			
280-30282-2	1	T	13:00	X																			
280-30282-3	1	T	13:00	X																			
280-30282-4	1	T	13:00	X																			
280-30282-5	1	T	13:00	X																			
280-30282-6	1	T	13:00	X																			
280-30282-7	1	T	13:00	X																			
280-30282-8	1	T	13:00	X																			
280-30282-9	1	T	13:00	X																			
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2340C

Start Date: 07/17/2012 09:02 End Date: 07/17/2012 09:02

Lab Sample ID	D / F	Type	Time	Analytes																			
				HardCC																			
MB 280-128017/1	1	T	09:02	X																			
LCS 280-128017/2	1	T	09:02	X																			
LCSD 280-128017/3	1	T	09:02	X																			
280-30282-1	1	T	09:02	X																			
280-30282-1 MS	1	T	09:02	X																			
280-30282-1 MSD	1	T	09:02	X																			
280-30282-2	1	T	09:02	X																			
280-30282-3	1	T	09:02	X																			
280-30282-4	1	T	09:02	X																			
280-30282-5	1	T	09:02	X																			
280-30282-6	1	T	09:02	X																			
280-30282-7	1	T	09:02	X																			
280-30282-8	1	T	09:02	X																			
280-30282-9	1	T	09:02	X																			
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
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ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2340C

Start Date: 07/17/2012 09:02 End Date: 07/17/2012 09:02

Lab Sample ID	D / F	Type	Time	Analytes																			
				HardCC																			
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/21/2012 09:29 End Date: 06/22/2012 00:50

Lab Sample ID	D/F	Type	Time	Analytes																				
				N-No2	NNO32	NO3	Orthop																	
ICV 280-125249/1	1		09:29	X		X	X																	
ICB 280-125249/2	1		09:46	X		X	X																	
MRL 280-125249/3	1	T	10:03	X		X	X																	
ZZZZZZ			10:20																					
LCS 280-125249/5	1	T	10:37	X		X	X																	
LCSD 280-125249/6	1	T	10:53	X		X	X																	
MB 280-125249/7	1	T	11:10	X	X	X	X																	
280-30282-1	1	T	13:16	X	X	X	X																	
280-30282-2	1	T	13:33	X	X	X	X																	
280-30282-3	1	T	13:50	X	X	X	X																	
280-30282-3 DU	1	T	14:06	X		X	X																	
280-30282-3 MS	1	T	14:23	X		X	X																	
280-30282-3 MSD	1	T	14:40	X		X	X																	
280-30282-4	1	T	14:57	X	X	X	X																	
280-30282-5	1	T	15:14	X	X	X	X																	
280-30282-6	1	T	15:30	X	X	X	X																	
280-30282-7	1	T	15:47	X	X	X	X																	
CCV 280-125249/18	1		16:04	X		X	X																	
CCB 280-125249/19	1		16:21	X		X	X																	
280-30282-8	1	T	16:38	X	X	X	X																	
280-30282-9	1	T	16:54	X	X	X	X																	
ZZZZZZ			17:11																					
ZZZZZZ			17:28																					
ZZZZZZ			17:45																					
280-30282-7 DU	1	T	18:02	X		X	X																	
ZZZZZZ			18:19																					
ZZZZZZ			18:35																					
ZZZZZZ			18:52																					
ZZZZZZ			19:09																					
CCV 280-125249/30	1		19:26	X		X	X																	
CCB 280-125249/31	1		19:43	X		X	X																	
ZZZZZZ			19:59																					
ZZZZZZ			20:16																					
ZZZZZZ			20:33																					
ZZZZZZ			20:50																					
ZZZZZZ			21:07																					
ZZZZZZ			21:23																					
ZZZZZZ			21:40																					
ZZZZZZ			22:19																					
ZZZZZZ			22:35																					
ZZZZZZ			22:52																					
CCV 280-125249/42			23:09																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/21/2012 09:29 End Date: 06/22/2012 00:50

Lab Sample ID	D / F	Type	Time	Analytes																				
				N-No2	NNO32	NO3	Orthop																	
CCB 280-125249/43			23:26																					
ZZZZZZ			23:43																					
ZZZZZZ			23:59																					
ZZZZZZ			00:16																					
CCV 280-125249/47			00:33																					
CCB 280-125249/48			00:50																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/21/2012 09:29 End Date: 06/22/2012 00:50

Lab Sample ID	D/F	Type	Time	Analytes																			
				Br	Cl-	F	SO4																
ICV 280-125250/1	1		09:29	X	X	X	X																
ICB 280-125250/2	1		09:46	X	X	X	X																
ZZZZZZ			10:03																				
MRL 280-125250/4	1	T	10:20	X	X	X	X																
LCS 280-125250/5	1	T	10:37	X	X	X	X																
LCSD 280-125250/6	1	T	10:53	X	X	X	X																
MB 280-125250/7	1	T	11:10	X	X	X	X																
280-30282-1	1	T	13:16	X		X	X																
280-30282-2	1	T	13:33	X	X	X	X																
280-30282-3	1	T	13:50	X	X	X	X																
280-30282-3 DU	1	T	14:06	X	X	X	X																
280-30282-3 MS	1	T	14:23	X	X	X	X																
280-30282-3 MSD	1	T	14:40	X	X	X	X																
280-30282-4	1	T	14:57	X	X	X	X																
280-30282-5	1	T	15:14	X		X	X																
280-30282-6	1	T	15:30	X		X	X																
280-30282-7	1	T	15:47	X	X	X	X																
CCV 280-125250/18	1		16:04	X	X	X	X																
CCB 280-125250/19	1		16:21	X	X	X	X																
280-30282-8	1	T	16:38	X		X	X																
280-30282-9	1	T	16:54	X	X	X	X																
280-30282-1	5	T	17:11		X																		
280-30282-5	5	T	17:28		X																		
280-30282-6	5	T	17:45		X																		
280-30282-7 DU	1	T	18:02	X	X	X	X																
280-30282-8	5	T	18:19		X																		
ZZZZZZ			18:35																				
ZZZZZZ			18:52																				
ZZZZZZ			19:09																				
CCV 280-125250/30	1		19:26	X	X	X	X																
CCB 280-125250/31	1		19:43	X	X	X	X																
ZZZZZZ			19:59																				
ZZZZZZ			20:16																				
ZZZZZZ			20:33																				
ZZZZZZ			20:50																				
ZZZZZZ			21:07																				
ZZZZZZ			21:23																				
ZZZZZZ			21:40																				
ZZZZZZ			22:19																				
ZZZZZZ			22:35																				
ZZZZZZ			22:52																				
CCV 280-125250/42			23:09																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/21/2012 09:29 End Date: 06/22/2012 00:50

Lab Sample ID	D / F	Type	Time	Analytes																			
				Br	Cl-	F	SO4																
CCB 280-125250/43			23:26																				
ZZZZZZ			23:43																				
ZZZZZZ			23:59																				
ZZZZZZ			00:16																				
CCV 280-125250/47			00:33																				
CCB 280-125250/48			00:50																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060A

Start Date: 07/13/2012 17:02 End Date: 07/14/2012 17:12

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOCQ																			
ICV 280-127875/1	1		17:02	X																			
ICB 280-127875/2	1		17:21	X																			
LCS 280-127875/3	1	T	17:38	X																			
LCSD 280-127875/4	1	T	17:56	X																			
MB 280-127875/5	1	T	18:16	X																			
ZZZZZZ			18:32																				
ZZZZZZ			18:53																				
ZZZZZZ			19:09																				
ZZZZZZ			19:27																				
ZZZZZZ			19:46																				
ZZZZZZ			20:05																				
ZZZZZZ			20:20																				
ZZZZZZ			20:36																				
ZZZZZZ			20:51																				
ZZZZZZ			21:06																				
CCV 280-127875/16	1		21:23	X																			
CCB 280-127875/17	1		21:42	X																			
ZZZZZZ			22:01																				
ZZZZZZ			22:18																				
280-30282-1	1	T	22:33	X																			
280-30282-1 MS	1	T	22:50	X																			
280-30282-1 MSD	1	T	23:08	X																			
280-30282-2	1	T	23:27	X																			
280-30282-3	1	T	23:46	X																			
280-30282-4	1	T	00:04	X																			
280-30282-5	1	T	00:21	X																			
280-30282-6	1	T	00:38	X																			
CCV 280-127875/28	1		00:54	X																			
CCB 280-127875/29	1		01:14	X																			
280-30282-7	1	T	01:32	X																			
280-30282-8	1	T	01:50	X																			
280-30282-9	1	T	02:07	X																			
ZZZZZZ			02:22																				
ZZZZZZ			02:41																				
ZZZZZZ			03:00																				
ZZZZZZ			03:19																				
ZZZZZZ			03:37																				
ZZZZZZ			03:54																				
ZZZZZZ			04:11																				
CCV 280-127875/40	1		04:30	X																			
CCB 280-127875/41	1		04:49	X																			
ZZZZZZ			05:08																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060A

Start Date: 07/13/2012 17:02 End Date: 07/14/2012 17:12

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOCQ																			
ZZZZZZ			05:26																				
ZZZZZZ			05:42																				
ZZZZZZ			06:02																				
ZZZZZZ			06:23																				
ZZZZZZ			06:41																				
ZZZZZZ			06:58																				
ZZZZZZ			07:17																				
ZZZZZZ			07:36																				
ZZZZZZ			07:57																				
CCV 280-127875/52			08:16																				
CCB 280-127875/53			08:35																				
ZZZZZZ			08:55																				
ZZZZZZ			09:17																				
ZZZZZZ			09:39																				
ZZZZZZ			09:57																				
ZZZZZZ			10:16																				
ZZZZZZ			10:37																				
ZZZZZZ			10:54																				
ZZZZZZ			11:12																				
ZZZZZZ			11:34																				
ZZZZZZ			11:54																				
CCV 280-127875/64			12:11																				
CCB 280-127875/65			12:32																				
ZZZZZZ			12:52																				
ZZZZZZ			13:12																				
ZZZZZZ			13:32																				
ZZZZZZ			13:51																				
ZZZZZZ			14:07																				
ZZZZZZ			14:25																				
ZZZZZZ			14:46																				
ZZZZZZ			15:04																				
ZZZZZZ			15:23																				
ZZZZZZ			15:42																				
CCV 280-127875/76			15:58																				
CCB 280-127875/77			16:18																				
ZZZZZZ			16:36																				
CCV 280-127875/79			16:52																				
CCB 280-127875/80			17:12																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC-AT3 Method: SM 2320B

Start Date: 06/26/2012 08:25 End Date: 06/26/2012 14:10

Lab Sample ID	D / F	Type	Time	Analytes																				
				Alk																				
RINSE 280-125734/1			08:25																					
ZZZZZZ			08:31																					
ZZZZZZ			08:36																					
ZZZZZZ			08:42																					
ZZZZZZ			08:47																					
ZZZZZZ			08:51																					
ZZZZZZ			08:59																					
ZZZZZZ			09:07																					
ZZZZZZ			09:12																					
ZZZZZZ			09:17																					
ZZZZZZ			09:22																					
ZZZZZZ			09:28																					
ZZZZZZ			09:32																					
ZZZZZZ			09:37																					
ZZZZZZ			09:41																					
ZZZZZZ			09:46																					
CCV 280-125734/17			09:51																					
CCB 280-125734/18			09:55																					
ZZZZZZ			10:01																					
ZZZZZZ			10:05																					
ZZZZZZ			10:10																					
ZZZZZZ			10:14																					
ZZZZZZ			10:19																					
ZZZZZZ			10:23																					
ZZZZZZ			10:29																					
ZZZZZZ			10:33																					
ZZZZZZ			10:38																					
ZZZZZZ			10:41																					
CCV 280-125734/29	1		10:47	X																				
CCB 280-125734/30	1		10:51	X																				
LCS 280-125734/31	1	T	10:56	X																				
LCSD 280-125734/32	1	T	11:01	X																				
MB 280-125734/33	1	T	11:05	X																				
ZZZZZZ			11:10																					
ZZZZZZ			11:15																					
ZZZZZZ			11:20																					
ZZZZZZ			11:28																					
ZZZZZZ			11:33																					
ZZZZZZ			11:38																					
ZZZZZZ			11:42																					
CCV 280-125734/41	1		11:47	X																				
CCB 280-125734/42	1		11:51	X																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: WC-AT3 Method: SM 2320B

Start Date: 06/26/2012 08:25 End Date: 06/26/2012 14:10

Lab Sample ID	D / F	Type	Time	Analytes																			
				Alk																			
ZZZZZZ			11:56																				
ZZZZZZ			12:01																				
ZZZZZZ			12:07																				
ZZZZZZ			12:14																				
280-30282-1	1	T	12:18	X																			
280-30282-2	1	T	12:23	X																			
280-30282-3	1	T	12:28	X																			
280-30282-4	1	T	12:33	X																			
280-30282-5	1	T	12:37	X																			
280-30282-6	1	T	12:42	X																			
CCV 280-125734/53	1		12:48	X																			
CCB 280-125734/54	1		12:52	X																			
280-30282-7	1	T	12:57	X																			
280-30282-8	1	T	13:02	X																			
280-30282-9	1	T	13:05	X																			
ZZZZZZ			13:11																				
CCV 280-125734/59	1		13:16	X																			
CCB 280-125734/60	1		13:20	X																			
ZZZZZZ			13:25																				
ZZZZZZ			13:30																				
ZZZZZZ			13:34																				
ZZZZZZ			13:38																				
ZZZZZZ			13:43																				
ZZZZZZ			13:48																				
ZZZZZZ			13:53																				
ZZZZZZ			13:58																				
ZZZZZZ			14:01																				
CCV 280-125734/70			14:06																				
CCB 280-125734/71			14:10																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2540C

Start Date: 06/27/2012 08:08 End Date: 06/27/2012 08:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				TDS																			
MB 280-125747/1	1	T	08:08	X																			
LCS 280-125747/2	1	T	08:08	X																			
LCSD 280-125747/3	1	T	08:08	X																			
280-30282-1	1	T	08:08	X																			
280-30282-1 DU	1	T	08:08	X																			
280-30282-2	1	T	08:08	X																			
280-30282-3	1	T	08:08	X																			
280-30282-4	1	T	08:08	X																			
280-30282-5	1	T	08:08	X																			
280-30282-6	1	T	08:08	X																			
280-30282-7	1	T	08:08	X																			
280-30282-8	1	T	08:08	X																			
280-30282-9	1	T	08:08	X																			
ZZZZZZ			08:08																				
ZZZZZZ			08:08																				
ZZZZZZ			08:08																				
ZZZZZZ			08:08																				
ZZZZZZ			08:08																				
ZZZZZZ			08:08																				
ZZZZZZ			08:08																				
ZZZZZZ			08:08																				
ZZZZZZ			08:08																				
ZZZZZZ			08:08																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: NOEQUIP Method: SM5210B

Start Date: 06/21/2012 13:00 End Date: 06/21/2012 13:35

Lab Sample ID	D / F	Type	Time	Analytes																			
				BOD																			
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
LCS 280-125023/4	1	T	13:00	X																			
LCSD 280-125023/5	1	T	13:00	X																			
MB 280-125023/6	1	T	13:00	X																			
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
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ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
280-30282-1	10	T	13:11	X																			
280-30282-1 DU	10	T	13:11	X																			
280-30282-2	1	T	13:13	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Instrument ID: NOEQUIP Method: SM5210B

Start Date: 06/21/2012 13:00 End Date: 06/21/2012 13:35

Lab Sample ID	D / F	Type	Time	Analytes																			
				BOD																			
280-30282-3	1	T	13:14	X																			
280-30282-4	1	T	13:25	X																			
280-30282-5	1	T	13:26	X																			
280-30282-6	1	T	13:28	X																			
280-30282-7	1	T	13:30	X																			
280-30282-8	1	T	13:32	X																			
280-30282-9	1	T	13:35	X																			
ZZZZZZ			13:35																				

Prep Types

T = Total/NA

TESTAMERICA Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: NH_3 **SOP #** DV-WC-0040

Instrument: A/pK 2 **Analyst:** Brett Wolff **Analysis Date:** 7/5/12

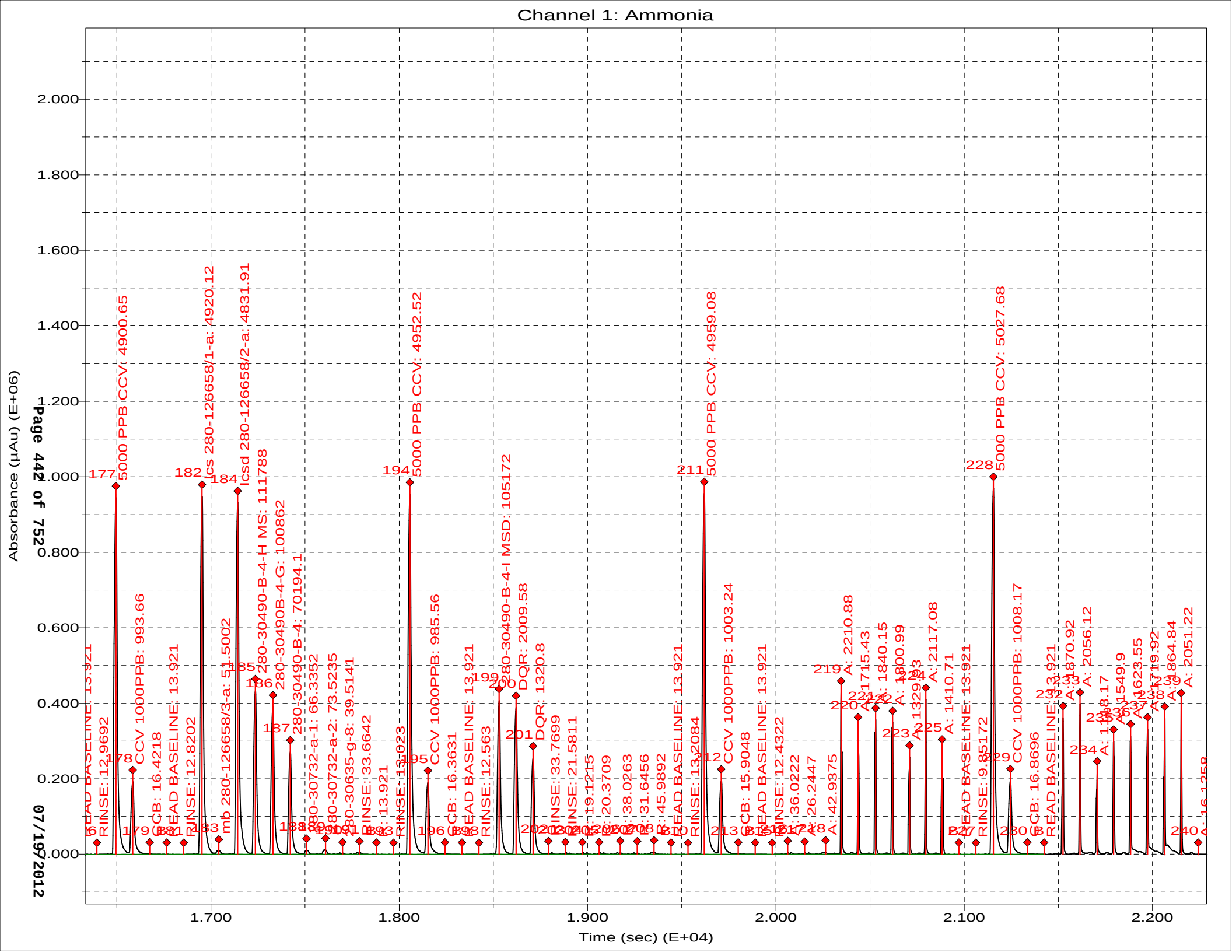
Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30549	Aq	N/A	126731	350.1	N/A
280-30658	↓	↓	↓	↓	↓
280-30456					
280-30457					
280-30282					
280-30732					

BW 7/5/12

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	—			—
2. Correlation coefficient ≥ 0.995 ?	—			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	—			—
4. ICB analyzed immediately after the ICV & results < the RL	—			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	—			—
6. CCB analyzed after every CCV & results < RL?	—			—
7. Absolute value of the intercept is < ± ½ the RL?	—			—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	—			—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	—			—
3. All reported results bracketed by in control CCV results?	—			—
4. Sample analyses done within holding time?	—			—
5. Initial pH check documented for all samples? (If Applicable)	—			—
6. Preparation benchsheet completed and included in package? BW 7/6/12	—		—	—
7. Client requirements reviewed and met?	—			✓
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	—			—
9. Do the prep and analysis dates in TALS reflect the actual dates?	—			—
11. Raw data copies prepared, scanned, and uploaded?	—			—
12. Manual integrations done properly and initialed and dated?			—	—
13. STD/True Value information is updated and included?	—			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	—			—
2. Method blank < ½ RL or NCM provided?	—			—
3. LCS/LCSD run for batch and within QC limits?	—			—
4. MS/MSD run at required frequency and within limits or NCM written?		—		✓
5. DUP run at required frequency and RPD within acceptance limits or NCM written?	—			✓

Analyst: BW **Date:** 7/5/12

2nd Level Reviewer : [illegible] **Date:** 7/6/12


Channel 1: Ammonia
Absorbance (µAu) (E+06)
Time (sec) (E+04)
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
1.700
1.800
1.900
2.000
2.100
2.200
Page 442 of 752
07/19/2012
177 5000 PPB CCV: 4900.65
178 CCV 1000PPB: 993.66
179 CCB: 16.4218
180 READ BASELINE: 13.921
181 RINSE: 12.8202
182 lcs 280-126658/1-a: 4920.12
183 mb 280-126658/3-a: 51.5002
184 lcsd 280-126658/2-a: 4831.91
185 280-30490-B-4-H MS: 111788
186 280-30490B-4-G: 100862
187 280-30490-B-4: 70194.1
188 280-30732-a-1: 66.3352
189 280-30732-a-2: 73.5235
190 280-30635-g-8: 39.5141
191 RINSE: 33.6642
192 RINSE: 13.921
193 RINSE: 13.023
194 5000 PPB CCV: 4952.52
195 CCV 1000PPB: 985.56
196 CCB: 16.3631
197 READ BASELINE: 13.921
198 RINSE: 12.563
199 280-30490-B-4-I MSD: 105172
200 DQR: 2009.58
201 DQR: 1320.8
202 RINSE: 33.7699
203 RINSE: 21.5811
204 RINSE: 19.1215
205 RINSE: 20.3709
206 RINSE: 38.0263
207 RINSE: 31.6456
208 RINSE: 45.9892
209 READ BASELINE: 13.921
210 RINSE: 13.2084
211 5000 PPB CCV: 4959.08
212 CCV 1000PPB: 1003.24
213 CCB: 15.9048
214 READ BASELINE: 13.921
215 RINSE: 12.4322
216 RINSE: 36.0222
217 RINSE: 26.2447
218 A: 42.9375
219 A: 2210.88
220 A: 1715.43
221 A: 1840.15
222 A: 1800.99
223 A: 1329.93
224 A: 2117.08
225 A: 1410.71
226 READ BASELINE: 13.921
227 RINSE: 9.85172
228 5000 PPB CCV: 5027.68
229 CCV 1000PPB: 1008.17
230 CCB: 16.8696
231 READ BASELINE: 13.921
232 A: 1870.92
233 A: 2056.12
234 A: 1548.17
235 A: 1549.9
236 A: 1623.55
237 A: 1719.92
238 A: 1864.84
239 A: 2051.22
240 A: 16.1258

Peak Table:Ammonia

File name: C:\FLOW_4\0705NXNX.RST
Date: 05-Jul-12
Operator: BQW

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
1	107	SYNC	1	SYNC	1	1	1899198	9970.228516	
2	0	Carryover	1	CO	1	1	2125	24.761967	
3	0	Carryover	2	CO	1	1	536	16.654818	
B	0	read baseline	1	RB	1	1	0	13.920993	BL
5	101	Cal 0.00 ppb	1	C	1	1	329	15.601342	
6	102	Cal 50.0 ppb	1	C	1	1	10081	65.358574	
7	103	Cal 100 ppb	1	C	1	1	16636	98.813942	
8	104	Cal 500 ppb	1	C	1	1	89572	471.481110	
9	105	Cal 1000 ppb	1	C	1	1	191422	993.207825	
10	106	Cal 5000 ppb	1	C	1	1	965238	5007.269043	
11	107	Cal 10000 ppb	1	C	1	1	1904402	9998.242188	
12	0	blk	1	BLNK	1	1	-145	13.182327	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
14	108	5000 PPB NO2	1	U	1	1	6184	45.471130	
15	109	ICV 2000 PPB	1	CCV	1	1	356587	1842.527954	
16	110	ICV 5000 PPB	1	CCV	1	1	929573	4820.311035	
17	0	ICB	1	U	1	1	440	16.165689	
18	111	MRL	1	U	1	1	21929	125.831726	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
20	113	mb	1	U	1	1	784	17.922577	
21	106	LCS	1	U	1	1	975239	5059.726074	
22	106	LCSD	1	U	1	1	977938	5073.888184	
23	114	280-30549-c-4	1	U	1	1	97793	513.536987	
24	115	280-30456-c-4	1	U	500	1	901397	2336370.250000	
25	116	280-30658-i-1	1	U	1	1	1177571	6124.225586	
26	117	280-30457-c-8	1	U	1	1	22781	130.180939	
27	118	280-30457-c-9	1	U	1	1	17295	102.178680	
28	119	280-30457-c-10	1	U	1	1	23555	134.129425	
29	120	280-30457-c-11	1	U	1	1	9296	61.354370	
B	0	read baseline	1	RB	1	1	0	13.920993	BL
31	0	rinse	1	U	1	1	181	14.846182	
32	106	5000 PPB CCV	1	CCV	1	1	953081	4943.516602	
33	105	CCV 1000PPB	1	CCV	1	1	191020	991.143982	
34	0	CCB	1	U	1	1	454	16.239071	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
36	121	280-30457-c-12	1	U	1	1	12756	79.007584	
37	122	280-30457-c-13	1	U	1	1	12000	75.151108	
38	123	280-30282-d-1	1	U	1	1	13651	83.576393	
39	124	280-30282-d-1 MS	1	U	1	1	283301	1465.173584	
40	125	280-30282-d-1 MSD	1	U	1	1	281690	1456.888062	
41	126	280-30282-d-2	1	U	1	1	14959	90.251930	
42	127	280-30282-d-3	1	U	1	1	12225	76.299599	
43	128	280-30282-d-4	1	U	1	1	15391	92.457832	
44	129	280-30282-d-5	1	U	1	1	20353	117.784767	
45	130	280-30282-d-6	1	U	1	1	91028	478.926453	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
47	0	RINSE	1	U	1	1	-34	13.749072	
48	106	5000 PPB CCV	1	CCV	1	1	945825	4905.478027	
49	105	CCV 1000PPB	1	CCV	1	1	192552	999.003906	
50	0	CCB	1	U	1	1	419	16.056419	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
52	131	280-30282-d-7	1	U	1	1	16060	95.870918	
53	132	280-30282-d-7 MS	1	U	1	1	302412	1563.500977	
54	133	280-30282-d-7 MSD	1	U	1	1	310251	1603.850220	
55	134	280-30282-d-8	1	U	1	1	52970	284.366180	
56	135	280-30282-d-9	1	U	1	1	11113	70.623703	
57	136	MB	1	U	1	1	744	17.715210	
58	106	LCS	1	U	1	1	942355	4887.292480	
59	106	LCSD	1	U	1	1	946988	4911.574219	
60	137	280-30567-e-1	1	U	1	1	128138	668.852905	
61	138	280-30567-e-1 MS	1	U	1	1	288960	1494.283936	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
63	0	RINSE	1	U	1	1	-153	13.142145	
64	106	5000 PPB CCV	1	CCV	1	1	944678	4899.467285	
65	105	CCV 1000PPB	1	CCV	1	1	191599	994.116028	
66	0	CCB	1	U	1	1	441	16.172632	
B	0	RB	1	RB	1	1	0	13.920993	BL
68	139	280-30567-e-1 MSD	1	U	1	1	270897	1401.383911	
69	140	280-30567-e-2	1	U	1	1	102951	539.926147	
70	141	280-30567-e-3	1	U	1	1	353128	1824.701050	

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
71	142	280-30567-e-4	1	U	1	1	390946	2019.718506	
72	143	280-30567-i-5	1	U	1	1	327215	1691.191650	
73	144	280-30567-e-6	1	U	1	1	322863	1668.779297	
74	145	280-30567-e-7	1	U	1	1	322170	1665.213379	
75	146	280-30567-e-8	1	U	1	1	368798	1905.479736	
76	147	280-30567-e-9	1	U	1	1	234793	1215.840698	
77	148	280-30567-e-10	1	U	1	1	325104	1680.323364	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
79	0	RINSE	1	U	1	1	-170	13.053222	
80	106	5000 PPB CCV	1	CCV	1	1	949839	4926.523438	
81	105	CCV 1000PPB	1	CCV	1	1	193219	1002.422729	
82	0	CCB	1	U	1	1	469	16.314566	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
84	149	280-30620-a-1X	1	U	1	1	17990	105.724838	
85	150	280-30620-a-1 MSX	1	U	1	1	764418	3957.016846	
86	151	280-30620-a-1 MSDX	1	U	1	1	753392	3899.525391	
87	152	280-30621-a-1X	1	U	1	1	239870	1241.916748	
88	153	280-30622-a-1X	1	U	1	1	271116	1402.510010	
89	154	280-30624-a-1X	1	U	1	1	21578	124.040939	
90	155	280-30625-a-1X	1	U	1	1	24165	137.243668	
91	156	280-30338-a-8X	1	U	1	1	12063	75.470894	
92	157	280-30612-f-1X	1	U	1	1	4176322	22612.361328	HI
93	158	280-30632-f-1X	1	U	1	1	8562	57.606731	FL
94	106	5000 PPB CCV	1	CCV	1	1	936542	4856.824707	
95	105	CCV 1000PPB	1	CCV	1	1	189313	982.388611	
96	0	CCB	1	U	1	1	484	16.391975	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
98	149	280-30620-a-1	1	U	1	1	18033	105.945259	
99	150	280-30620-a-1 MS	1	U	1	1	757348	3920.151611	
100	151	280-30620-a-1 MSD	1	U	1	1	752517	3894.964600	
101	152	280-30621-a-1	1	U	1	1	235502	1219.479980	
102	153	280-30622-a-1	1	U	50	1	6528	2361.381836	
103	154	280-30624-a-1	1	U	1	1	67091	356.531891	
104	155	280-30625-a-1	1	U	1	1	24945	141.229141	
105	156	280-30338-a-8	1	U	100	1	3436	3145.238770	
106	157	280-30612-f-1	1	U	1	1	4152434	22475.751953	HI
107	158	280-30632-f-1	1	U	1	1	11499	72.595772	FL
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
109	0	RINSE	1	U	1	1	-1189	7.853590	
110	106	5000 PPB CCV	1	CCV	1	1	929714	4821.048828	
111	105	CCV 1000PPB	1	CCV	1	1	186727	969.123047	
112	0	CCB	1	U	1	1	149	14.682743	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
114	159	280-30632-f-2	1	U	1	1	37195	203.779984	
115	160	280-30635-f-1	1	U	1	1	5565	42.314297	
116	201	RINSE	1	U	1	1	3466	31.603529	
117	202	MB	1	U	1	1	3720	32.902351	
118	106	LCS	1	U	1	1	949513	4924.814453	
119	106	LCSD	1	U	1	1	930432	4824.807129	
120	203	280-30635-g-2	1	U	1	1	78750	416.136871	
121	204	280-30635-g-2 MS	1	U	1	1	472467	2440.825928	
122	205	280-30635-g-2 MSD	1	U	1	1	476817	2463.323975	
123	206	280-30635-g-3	1	U	1	1	206079	1068.410645	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
125	0	RINSE	1	U	1	1	-142	13.195703	
126	106	5000 PPB CCV	1	CCV	1	1	943531	4893.457031	
127	105	CCV 1000PPB	1	CCV	1	1	188740	979.446655	
128	0	CCB	1	U	1	1	544	16.698853	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
130	0	RINSE	1	U	1	1	-31	13.763074	
131	207	280-30635-g-4	1	U	1	1	13943	85.068970	
132	208	280-30635-g-5	1	U	1	1	35432	194.773605	
133	209	280-30635-g-5 MS	1	U	1	1	563142	2910.377441	
134	210	280-30635-g-5 MSD	1	U	1	1	557932	2883.364258	
135	211	280-30635-f-6	1	U	1	1	5354	41.237724	
136	212	280-30635-g-7	1	U	1	1	8407	56.818142	
137	213	280-30635-g-8X	1	U	1	1	10787	68.960487	
138	214	280-30635-g-9	1	U	1	1	24920	141.097855	
139	215	280-30635-f-10	1	U	1	1	10954	69.813492	
140	216	RINSE	1	U	1	1	1561	21.886862	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
142	0	RINSE	1	U	1	1	-62	13.604650	
143	106	5000 PPB CCV	1	CCV	1	1	938620	4867.715820	
144	105	CCV 1000PPB	1	CCV	1	1	191485	993.528076	
145	0	CCB	1	U	1	1	585	16.906639	

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
147	0	RINSE	1	U	1	1	-265	12.571111	
148	217	280-30653-b-1	1	U	1	1	3566552	19151.708984	HI
149	218	280-30653-c-2	1	U	10	1	12102	756.705688	FL
150	219	280-30653-c-3	1	U	10	1	12137	758.509216	
151	220	280-30653-c-4	1	U	10	1	13297	817.687866	
152	221	lcs 280-126652/1-a	1	U	1	1	960890	4984.466309	
153	222	mb 280-126652/2-a	1	U	1	1	1897	23.598410	
154	223	280-30284-a-1-m	1	U	1	1	5900	44.022701	
155	224	280-30284-a-1-n du	1	U	1	1	5889	43.964996	
156	225	280-30284-a-1-o ms	1	U	1	1	289095	1494.980225	
157	226	lcs 280-126654/1-a	1	U	1	1	939069	4870.068848	
B	0	READ	1	RB	1	1	0	13.920993	BL
159	0	RINSE	1	U	1	1	-526	11.236463	
160	106	5000 PPB CCV	1	CCV	1	1	942354	4887.286133	
161	105	CCV 1000PPB	1	CCV	1	1	192143	996.903198	
162	0	CCB	1	U	1	1	422	16.072153	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
164	0	RINSE	1	U	1	1	-313	12.322810	
165	229	mb 280-126654/2-a	1	U	1	1	6205	45.581425	
166	230	280-30344-a-1-j	1	U	1	1	4978	39.320747	
167	231	280-30344-a-1-k du	1	U	1	1	5469	41.826366	
168	232	280-30344-a-1-l ms	1	U	1	1	375503	1940.057617	
169	233	lcs 280-126656/1-a	1	U	1	1	966142	5012.010254	
170	234	mb 280-126656/2-a	1	U	1	1	2766	28.032228	
171	235	280-30345-a-1-h	1	U	1	1	7571	52.548504	
172	236	280-30345-a-1-i du	1	U	1	1	8403	56.797829	
173	237	280-30345-a-1-j ms	1	U	1	1	258555	1337.935303	
174	238	280-30345-a-2-f	1	U	1	1	5165	40.273014	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
176	0	RINSE	1	U	1	1	-187	12.969229	
177	106	5000 PPB CCV	1	CCV	1	1	944903	4900.645996	
178	105	CCV 1000PPB	1	CCV	1	1	191511	993.659973	
179	0	CCB	1	U	1	1	490	16.421839	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
181	0	RINSE	1	U	1	1	-216	12.820180	
182	239	lcs 280-126658/1-a	1	U	1	1	948618	4920.119629	
183	240	mb 280-126658/3-a	1	U	1	1	7365	51.500153	
184	241	lcsd 280-126658/2-a	1	U	1	1	931786	4831.906738	
185	242	280-30490-B-4-H MS	1	U	50	1	432792	111787.890625	
186	243	280-30490B-4-G	1	U	50	1	390464	100861.648438	
187	244	280-30490-B-4	1	U	50	1	271383	70194.070312	
188	245	280-30732-a-1	1	U	1	1	10272	66.335220	
189	246	280-30732-a-2	1	U	1	1	11681	73.523514	
190	247	280-30635-g-8	1	U	2	1	1144	39.514149	
191	248	RINSE	1	U	1	1	3870	33.664185	
B	0	R	1	RB	1	1	0	13.920993	BL
193	0	RINSE	1	U	1	1	-176	13.023021	
194	106	5000 PPB CCV	1	CCV	1	1	954797	4952.516602	
195	105	CCV 1000PPB	1	CCV	1	1	189931	985.559570	
196	0	CCB	1	U	1	1	479	16.363100	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
198	0	RINSE	1	U	1	1	-266	12.562968	
199	249	280-30490-B-4-I MSD	1	U	50	1	407169	105172.007812	
200	250	DQR	1	U	1	1	388981	2009.581299	
201	251	DQR	1	U	1	1	255221	1320.797607	
202	252	RINSE	1	U	1	1	3890	33.769905	
203	253	RINSE	1	U	1	1	1501	21.581129	
204	254	R	1	U	1	1	1019	19.121468	
205	255	R	1	U	1	1	1264	20.370911	
206	256	R	1	U	1	1	4725	38.026257	
207	257	R	1	U	1	1	3474	31.645617	
208	258	R	1	U	1	1	6285	45.989204	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
210	0	RINSE	1	U	1	1	-140	13.208382	
211	106	5000 PPB CCV	1	CCV	1	1	956049	4959.080566	
212	105	CCV 1000PPB	1	CCV	1	1	193377	1003.236084	
213	0	CCB	1	U	1	1	389	15.904807	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
215	0	RINSE	1	U	1	1	-292	12.432242	
216	256	A	1	U	1	1	4332	36.022156	
217	257	A	1	U	1	1	2416	26.244709	
218	258	A	1	U	1	1	5687	42.937504	
219	259	A	1	U	1	1	427976	2210.882080	
220	260	A	1	U	1	1	331920	1715.426147	

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
221	301	A	1	U	1	1	356126	1840.151367	
222	302	A	1	U	1	1	348527	1800.987183	
223	303	A	1	U	1	1	256997	1329.927368	
224	304	A	1	U	1	1	409811	2117.078857	
225	305	A	1	U	1	1	272711	1410.710449	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
227	0	RINSE	1	U	1	1	-798	9.851723	
228	106	5000 PPB CCV	1	CCV	1	1	969131	5027.684082	
229	105	CCV 1000PPB	1	CCV	1	1	194339	1008.171265	
230	0	CCB	1	U	1	1	578	16.869595	
B	0	READ BASELINE	1	RB	1	1	0	13.920993	BL
232	306	A	1	U	1	1	362096	1870.924194	
233	307	A	1	U	1	1	398000	2056.115723	
234	308	A	1	U	1	1	215772	1118.167236	
235	309	A	1	U	1	1	299769	1549.900269	
236	310	A	1	U	1	1	314079	1623.554688	
237	311	A	1	U	1	1	332793	1719.921631	
238	312	A	1	U	1	1	360915	1864.838745	
239	313	A	1	U	1	1	397052	2051.224365	
240	314	A	1	U	1	1	432	16.125841	

Ammonia:Calibration 1: Peak 5-243

File name: C:\FLOW_4\0705NXNX.RST
Date: 05-Jul-12
Operator: BQW

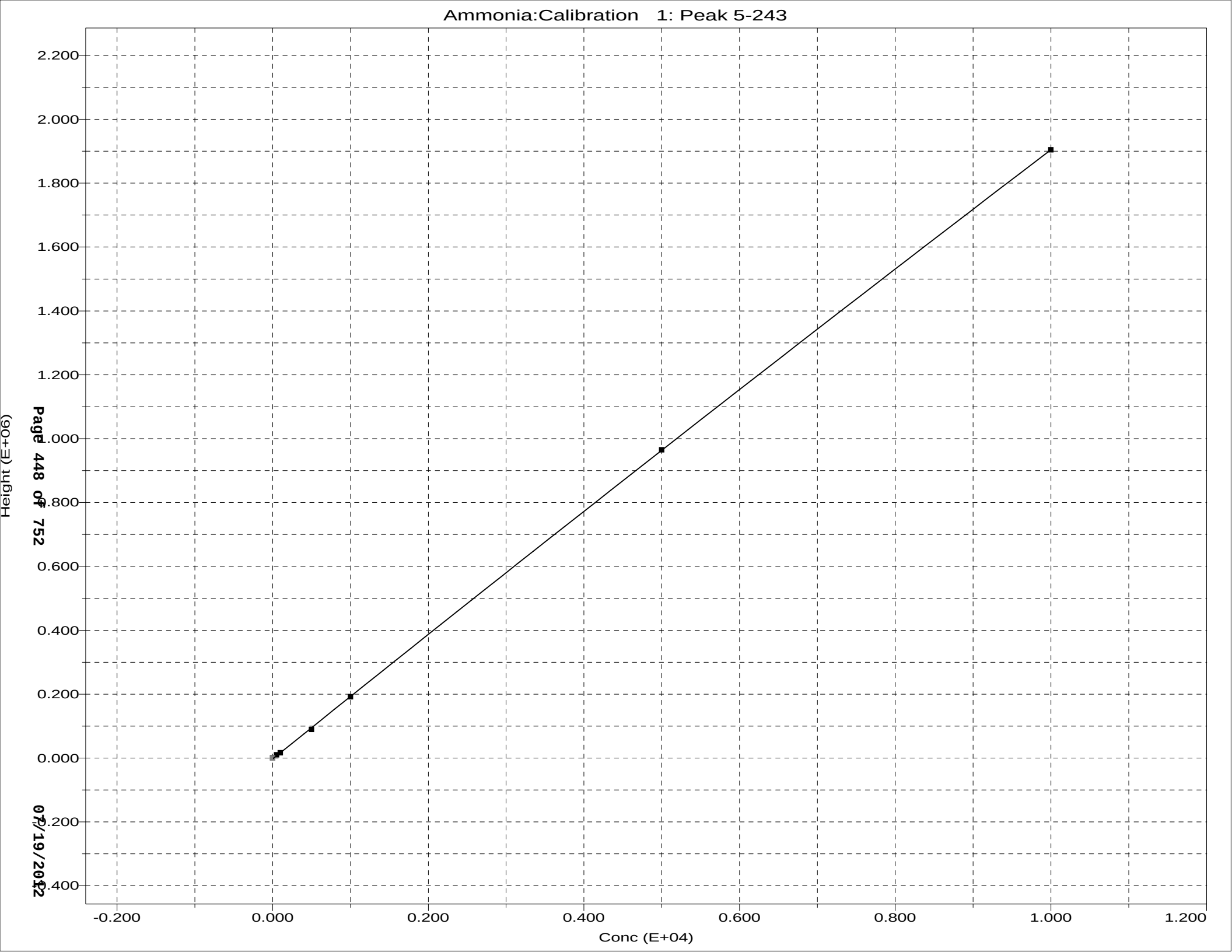
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*	Cal 0.00 ppb	0.000000	329.371399
*	Cal 50.0 ppb	50.000000	10081.041016
*	Cal 100 ppb	100.000000	16636.240234
*	Cal 500 ppb	500.000000	89571.953125
*	Cal 1000 ppb	1000.000000	191422.375000
*	Cal 5000 ppb	5000.000000	965238.375000
*	Cal 10000 ppb	10000.000000	1904402.125000

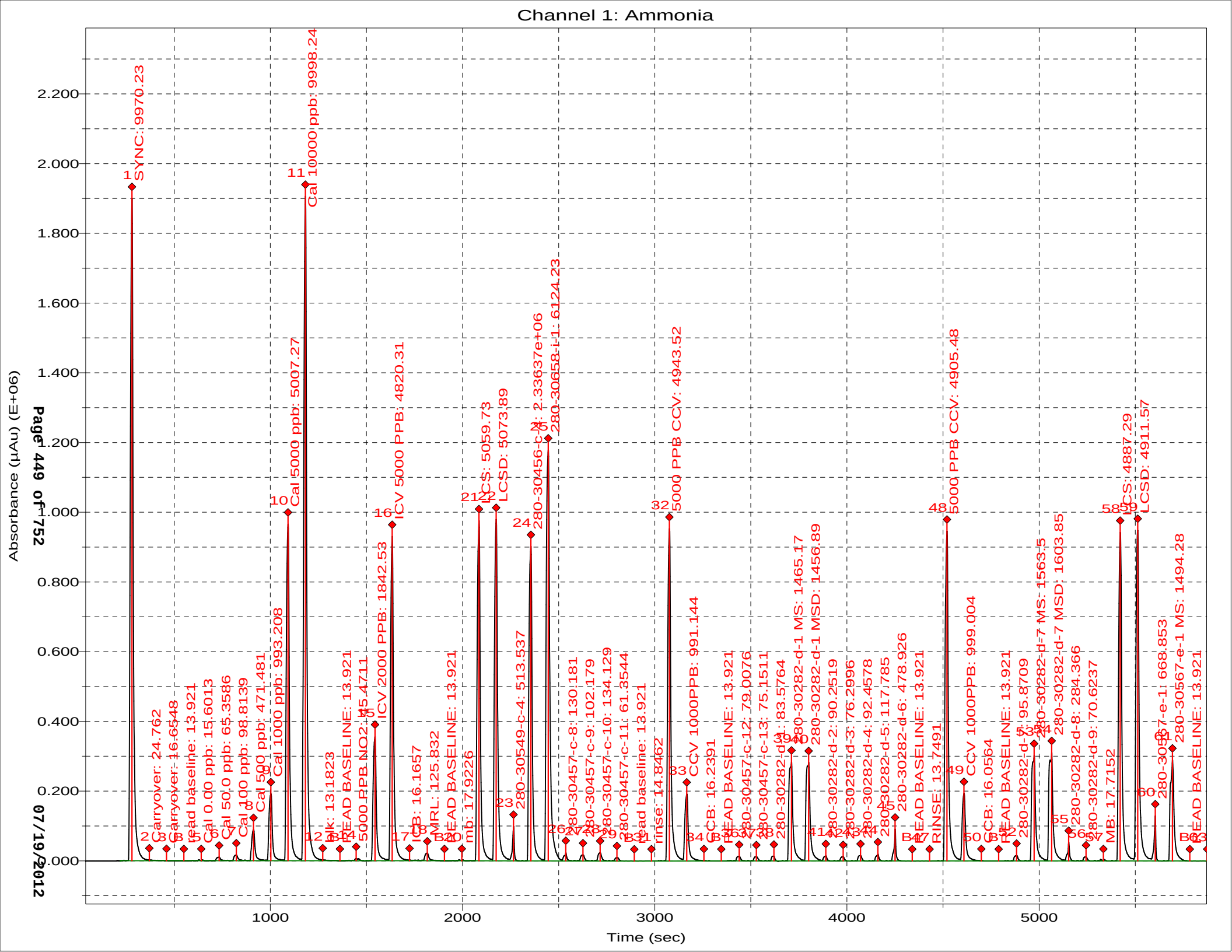
Calib Coef:
x=cyy+by+a
a: (intercept) 1.3921e+01
b: 5.1017e-03
c: 7.4090e-11

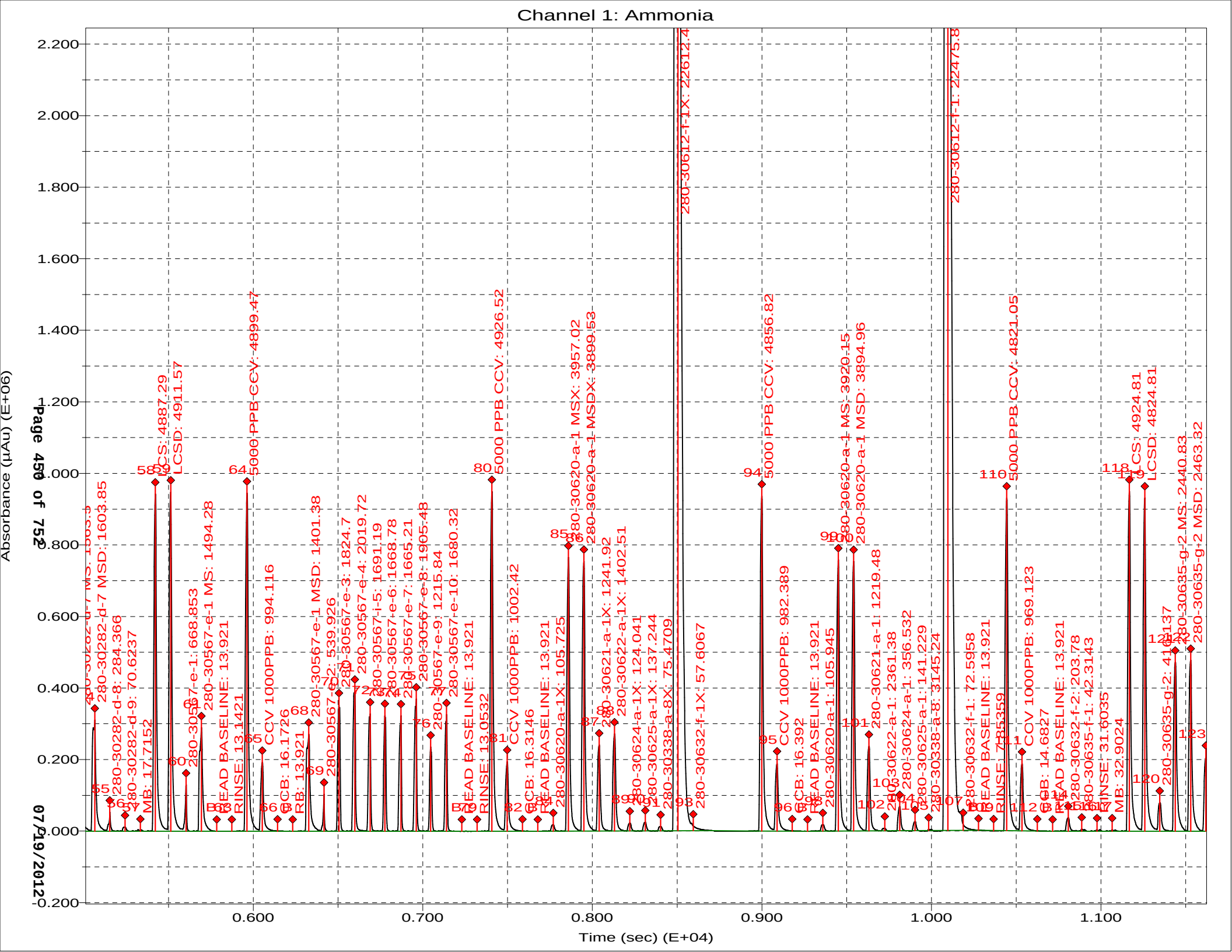
Corr Coef: 0.999992

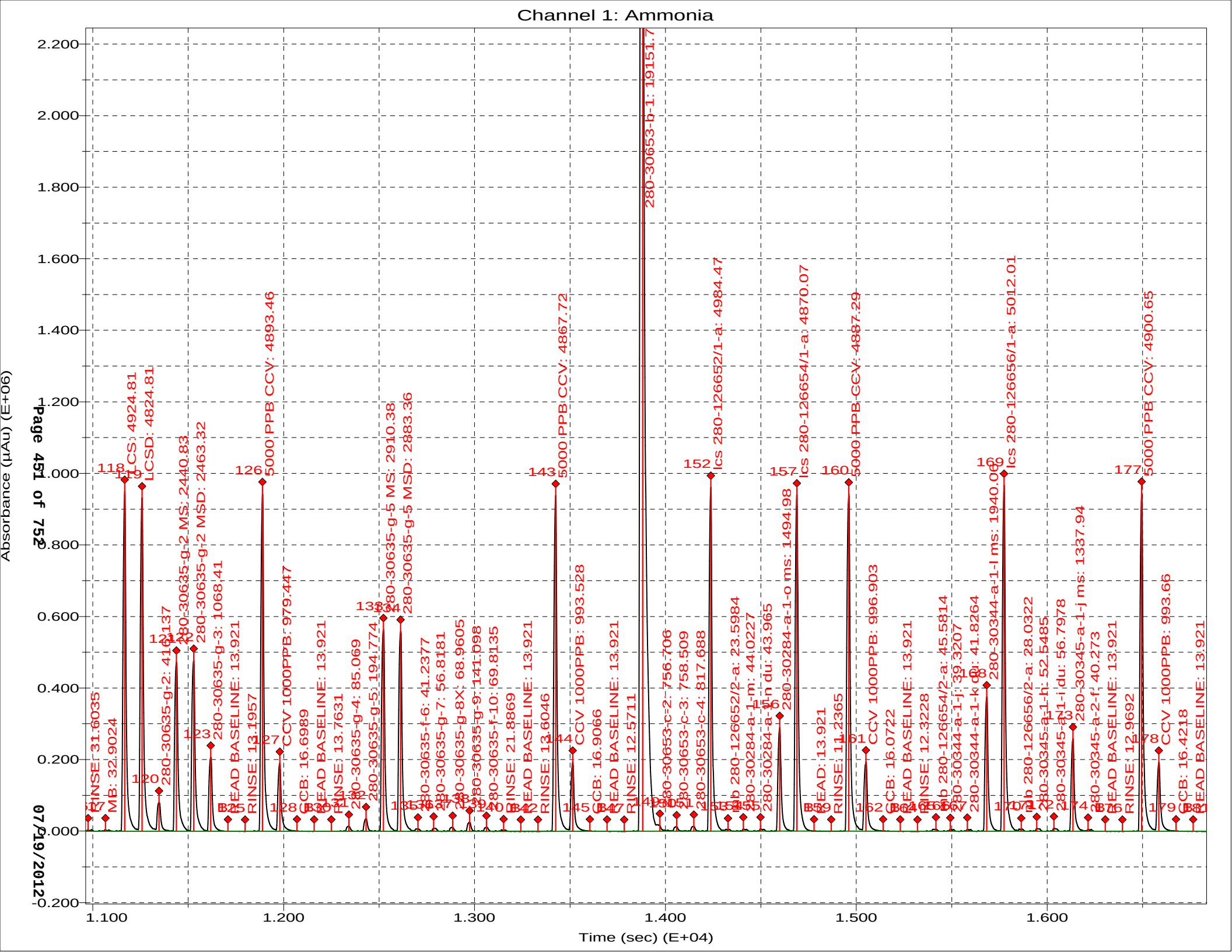
Carryover: 0.112%

No Drift Peaks


Ammonia:Calibration 1: Peak 5-243
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
Height (E+06)
-0.200
0.000
0.200
0.400
0.600
0.800
1.000
1.200
Conc (E+04)


Channel 1: Ammonia
Absorbance (µAu) (E+06)
Time (sec)
Page 449 of 752
07/19/2012
1 SYNC: 9970.23
2 Carryover: 24.762
3 Carryover: 16.6548
4 B
5 Lead baseline: 13.921
6 Cal 0.00 ppb: 15.6013
7 Cal 50.0 ppb: 65.3586
8 Cal 100 ppb: 98.8139
9 Cal 500 ppb: 471.481
10 Cal 1000 ppb: 993.208
11 Cal 10000 ppb: 9998.24
12 blk: 131.823
13 B
14 LEAD BASELINE: 13.921
15 5000 PPB NO2: 45.4711
16 ICV 2000 PPB: 1842.53
17 ICV 5000 PPB: 4820.31
18 B: 16.1657
19 MRL: 125.832
20 B
21 LEAD BASELINE: 13.921
22 mb: 17.9226
23 CCS: 5059.73
24 LCSD: 5073.89
25 280-30549-c-4: 513.537
26 280-30456-c-2: 2.33637e+06
27 280-30658-i-1: 6124.23
28 280-30457-c-8: 130.181
29 280-30457-c-9: 102.179
30 280-30457-c-10: 134.129
31 280-30457-c-11: 61.3544
32 5000 PPB CCV: 4943.52
33 CCV 1000PPB: 991.144
34 CCB: 16.2391
35 LEAD BASELINE: 13.921
36 280-30457-c-12: 79.0076
37 280-30457-c-13: 75.1511
38 280-30282-d-1: 83.5764
39 40 280-30282-d-1 MS: 1465.17
280-30282-d-1 MSD: 1456.89
41 42 280-30282-d-2: 90.2519
43 280-30282-d-3: 76.2996
44 280-30282-d-4: 92.4578
45 280-30282-d-5: 117.785
46 280-30282-d-6: 478.926
47 LEAD BASELINE: 13.921
48 RINSE: 13.7491
49 5000 PPB CCV: 4905.48
50 CCV 1000PPB: 999.004
51 CCB: 16.0564
52 LEAD BASELINE: 13.921
53 280-30282-d-5: 95.8709
54 280-30282-d-7 MS: 1563.5
55 280-30282-d-7 MSD: 1603.85
56 280-30282-d-8: 284.366
57 280-30282-d-9: 70.6237
58 MB: 17.7152
59 CCS: 4887.29
60 LCSD: 4911.57
61 280-30567-e-1: 668.853
62 280-30567-e-1 MS: 1494.28
63 LEAD BASELINE: 13.921
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
1000
2000
3000
4000
5000


Channel 1: Ammonia
Absorbance (µAu) (E+06)
Time (sec) (E+04)
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
0.600
0.700
0.800
0.900
1.000
1.100
Page 450 of 752
07/19/2012
280-30282-d-7 MS: 1603.3
280-30282-d-7 MSD: 1603.85
280-30282-d-8: 284.366
280-30282-d-9: 70.6237
MB: 17.7152
280-30567-e-1: 668.853
280-30567-e-1 MS: 1494.28
READ BASELINE: 13.921
RINSE: 13.1421
CCV 1000PPB: 994.116
CCB: 16.1726
RB: 13.921
280-30567-e-1 MSD: 1401.38
280-30567-e-2: 539.926
280-30567-e-3: 1824.7
280-30567-e-4: 2019.72
280-30567-i-5: 1691.19
280-30567-e-6: 1668.78
280-30567-e-7: 1665.21
280-30567-e-8: 1905.48
280-30567-e-9: 1215.84
280-30567-e-10: 1680.32
READ BASELINE: 13.921
RINSE: 13.0532
CCV 1000PPB: 1002.42
CCB: 16.3146
READ BASELINE: 13.921
280-30620-a-1X: 105.725
280-30621-a-1X: 1241.92
280-30622-a-1X: 1402.51
280-30624-a-1X: 124.041
280-30625-a-1X: 137.244
280-30338-a-8X: 75.4709
280-30632-f-1X: 57.6067
280-30612-f-1X: 22612.4
280-30620-a-1 MSX: 3957.02
280-30620-a-1 MSDX: 3899.53
5000 PPB CCV: 4926.52
5000 PPB CCV: 4899.47
280-30620-a-1 MS: 3920.15
280-30620-a-1 MSD: 3894.96
CCV 1000PPB: 982.389
5000 PPB CCV: 4856.82
280-30621-a-1: 2361.38
280-30624-a-1: 356.532
280-30625-a-1: 141.229
280-30338-a-8: 3145.24
280-30612-f-1: 22475.8
280-30632-f-1: 72.5958
READ BASELINE: 13.921
RINSE: 7.85359
CCV 1000PPB: 969.123
5000 PPB CCV: 4821.05
CCB: 14.6827
READ BASELINE: 13.921
280-30632-f-2: 203.78
280-30635-f-1: 42.3143
RINSE: 31.6035
MB: 32.9024
280-30635-g-1: 4924.81
LCSD: 4824.81
280-30635-g-2: 4162.37
280-30635-g-2 MS: 2440.83
280-30635-g-2 MSD: 2463.32


Channel 1: Ammonia
Absorbance (µAu) (E+06)
Time (sec) (E+04)
Page 451 of 752
07/19/2012
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
1.100
1.200
1.300
1.400
1.500
1.600
280-30653-b-1: 19151.7
118
119
LCS: 4924.81
LCSD: 4824.81
120
121
122
123
126
5000 PPB CCV: 4893.46
127
128
129
130
131
132
133
134
143
5000 PPB CCV: 4867.72
144
145
146
147
148
149
150
151
152
lcs 280-126652/1-a: 4984.47
153
154
155
156
157
lcs 280-126654/1-a: 4870.07
158
159
160
5000 PPB CCV: 4887.29
161
162
163
164
165
166
167
168
169
lcs 280-126656/1-a: 5012.01
170
171
172
173
174
175
176
177
5000 PPB CCV: 4900.65
178
179
180
181
CCV 1000PPB: 996.903
CCV 1000PPB: 993.528
CCV 1000PPB: 993.66
280-30635-g-2: 41.2137
280-30635-g-2 MS: 2440.83
280-30635-g-2 MSD: 2463.32
280-30635-g-3: 1068.41
280-30635-g-4: 85.069
280-30635-g-5: 194.774
280-30635-g-5 MS: 2910.38
280-30635-g-5 MSD: 2883.36
280-30635-f-6: 41.2377
280-30635-g-7: 56.8181
280-30635-g-8X: 68.9605
280-30635-g-9: 141.098
280-30635-f-10: 69.8135
280-30653-c-2: 756.706
280-30653-c-3: 758.509
280-30653-c-4: 817.688
280-30284-a-1-m: 44.0227
280-30284-a-1-n du: 43.965
280-30284-a-1-o ms: 1494.98
280-30344-a-1-l ms: 1940.06
280-30345-a-1-j ms: 1337.94
280-30345-a-1-i du: 56.7978
280-30345-a-2-f: 40.273
BLANK: 31.6035
MB: 32.9024
RINSE: 13.1957
LEAD BASELINE: 13.921
RINSE: 13.7631
LEAD BASELINE: 13.7631
RINSE: 13.6046
LEAD BASELINE: 13.921
RINSE: 12.5711
LEAD BASELINE: 13.921
RINSE: 11.2365
LEAD: 13.921
RINSE: 12.3228
LEAD BASELINE: 13.921
RINSE: 12.9692
LEAD BASELINE: 13.921
CCB: 16.6989
CCB: 16.9066
CCB: 16.0722
CCB: 16.4218
280-30284-a-1-n: 39.3207
280-30344-a-1-k: 41.8264
280-30345-a-1-h: 52.5485
280-30345-a-2-f: 40.273
280-126652/2-a: 23.5984
280-126654/2-a: 45.5814
280-126656/2-a: 28.0322

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TKN/351.2 SOP # DV-WC-0026

Instrument: ASTORIA Analyst: MCCOLLEY Analysis Date: 7/13/2012

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30334 1-4	WATER	127752	127784	351.2	Q4
30753-1	↓	1	↓	↓	N/A
30813 13		↓			↓
30282 1-9		127379			Q4
30754 1-5	↓	↓	↓	↓	N/A

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	/			/
2. Correlation coefficient ≥ 0.995 ?	/			/
3. Second-source ICV analyzed, and recovery within acceptance limits?	/			/
4. ICB analyzed immediately after the ICV & results < the RL	/			/
5. CCV analyzed after every ten samples & recovery within acceptance limits?	/			/
6. CCB analyzed after every CCV & results < RL?	/			/
7. Absolute value of the intercept is < ± ½ the RL?	/			/
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	/			/
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	/			/
3. All reported results bracketed by in control CCV results?	/			/
4. Sample analyses done within holding time?	/			/
5. Initial pH check documented for all samples? (If Applicable)	/			/
6. Preparation benchsheet completed and included in package?	/			/
7. Client requirements reviewed and met?	/			/
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			/	/
9. Do the prep and analysis dates in TALS reflect the actual dates?	/			/
11. Raw data copies prepared, scanned, and uploaded?	/			/
12. Manual integrations done properly and initialed and dated?			/	/
13. STD/True Value information is updated and included?	/			/
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	/			/
2. Method blank < ½ RL or NCM provided?	/			/
3. LCS/LCSD run for batch and within QC limits?	/			/
4. MS/MSD run at required frequency and within limits or NCM written?	/			/
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			/	/

Analyst: [signature] Date: 7/14/2012

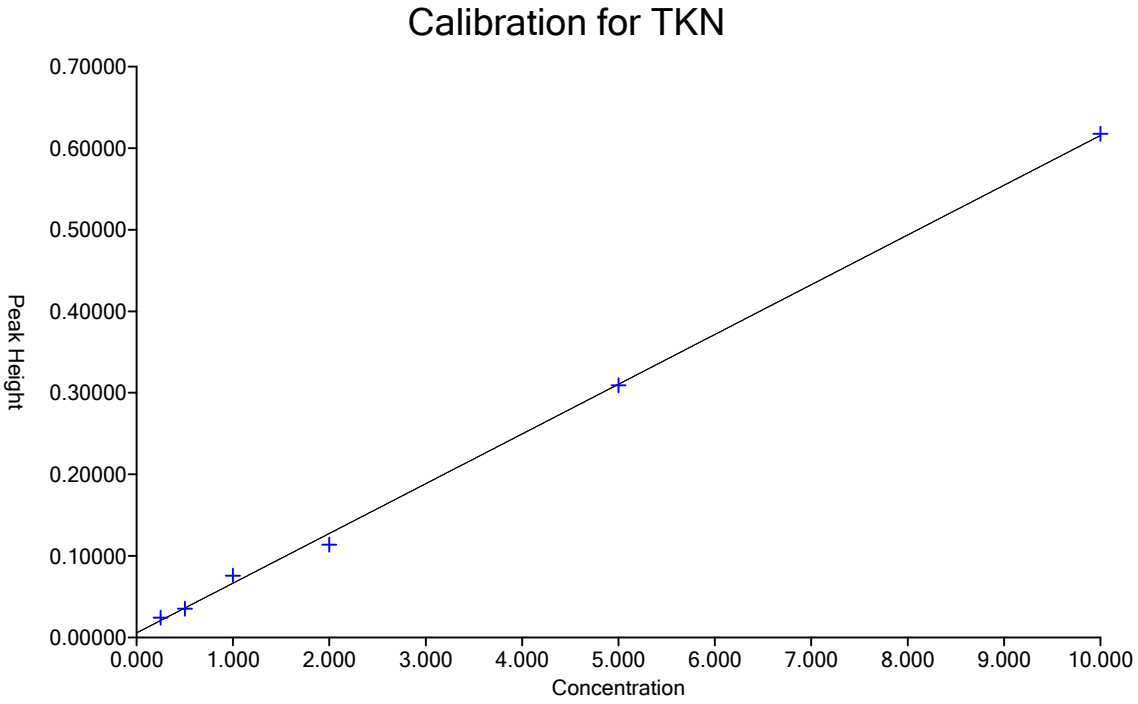
2nd Level Reviewer : [signature] Date: 7/16/12

Run Name: 071312TKNA
Configuration: TKN
Run date: 7/13/2012

Analyst:
ICV/CCV TV:
LCS/MS TV:

Astoria
TKN
351.2

	›siti	Identifier	Type	Comm	Date	Time	otal	TKN Cor Ht	mg/l
1	1:1	SYNC	SYNC	50;351	7/13/2012	8:21:34	1	0.62317	10.127
2	1:2	CO	Carry over		7/13/2012	8:22:04	1	0.00089	-0.075
3	1:3	w	Blank		7/13/2012	8:23:20	1	0.00019	-0.086
4	1:4	W	Wash		7/13/2012	8:24:35	1	0.00000	-0.090
5	1:5	C1	Calibrant		7/13/2012	8:25:50	1	0.02445	0.311
6	1:6	C2	Calibrant		7/13/2012	8:27:06	1	0.03537	0.490
7	1:7	C3	Calibrant		7/13/2012	8:28:21	1	0.07591	1.155
8	1:8	C4	Calibrant		7/13/2012	8:29:36	1	0.11375	1.775
9	1:9	C5	Calibrant		7/13/2012	8:30:52	1	0.30918	4.979
10	1:10	C6	Calibrant		7/13/2012	8:32:07	1	0.61779	10.039
		Curve #:							1
		Curve Type:							Linear
		Correlation:							0.99944
		Intercept:							0.0054639
		Linear coef:							0.060996

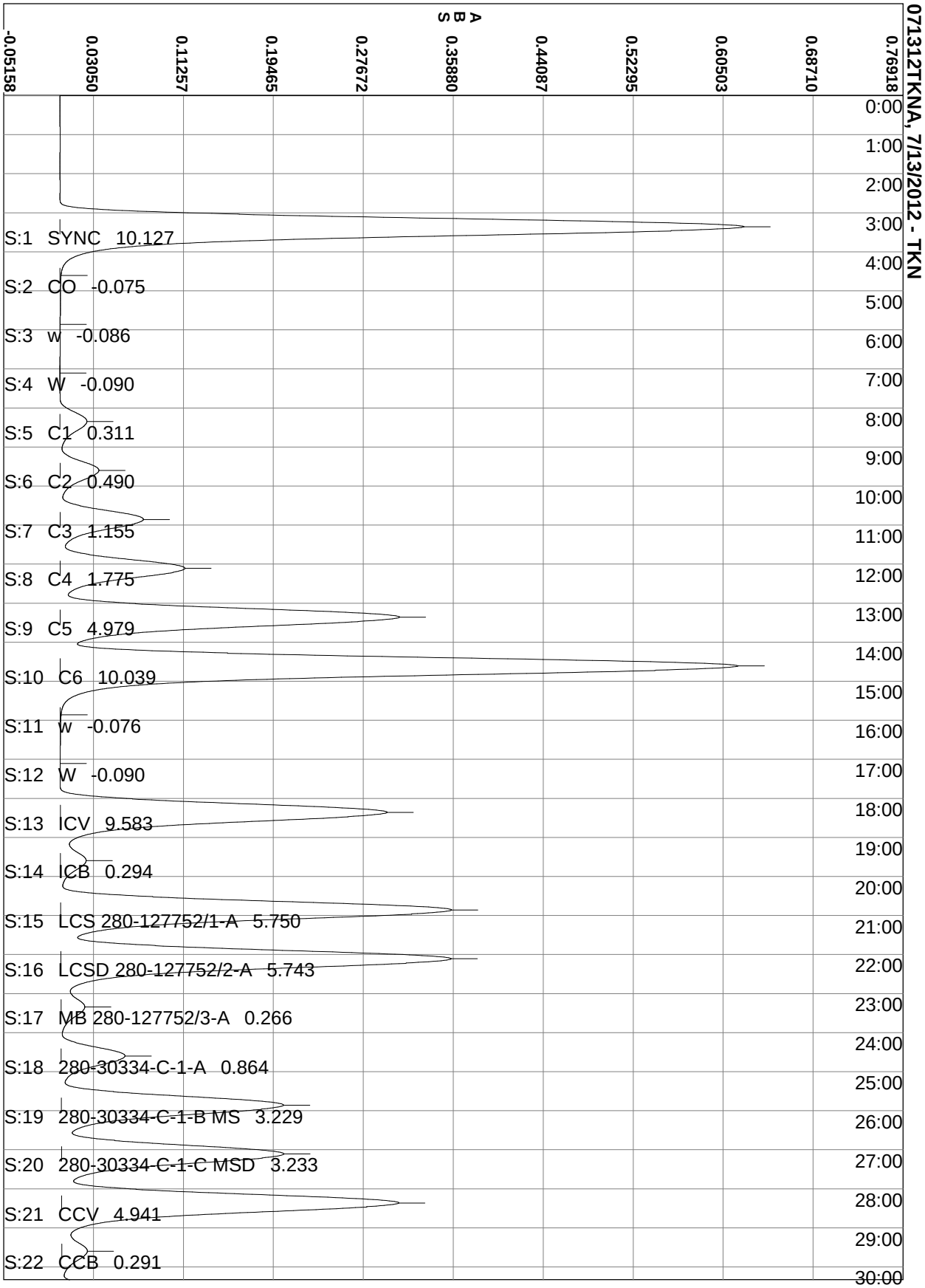


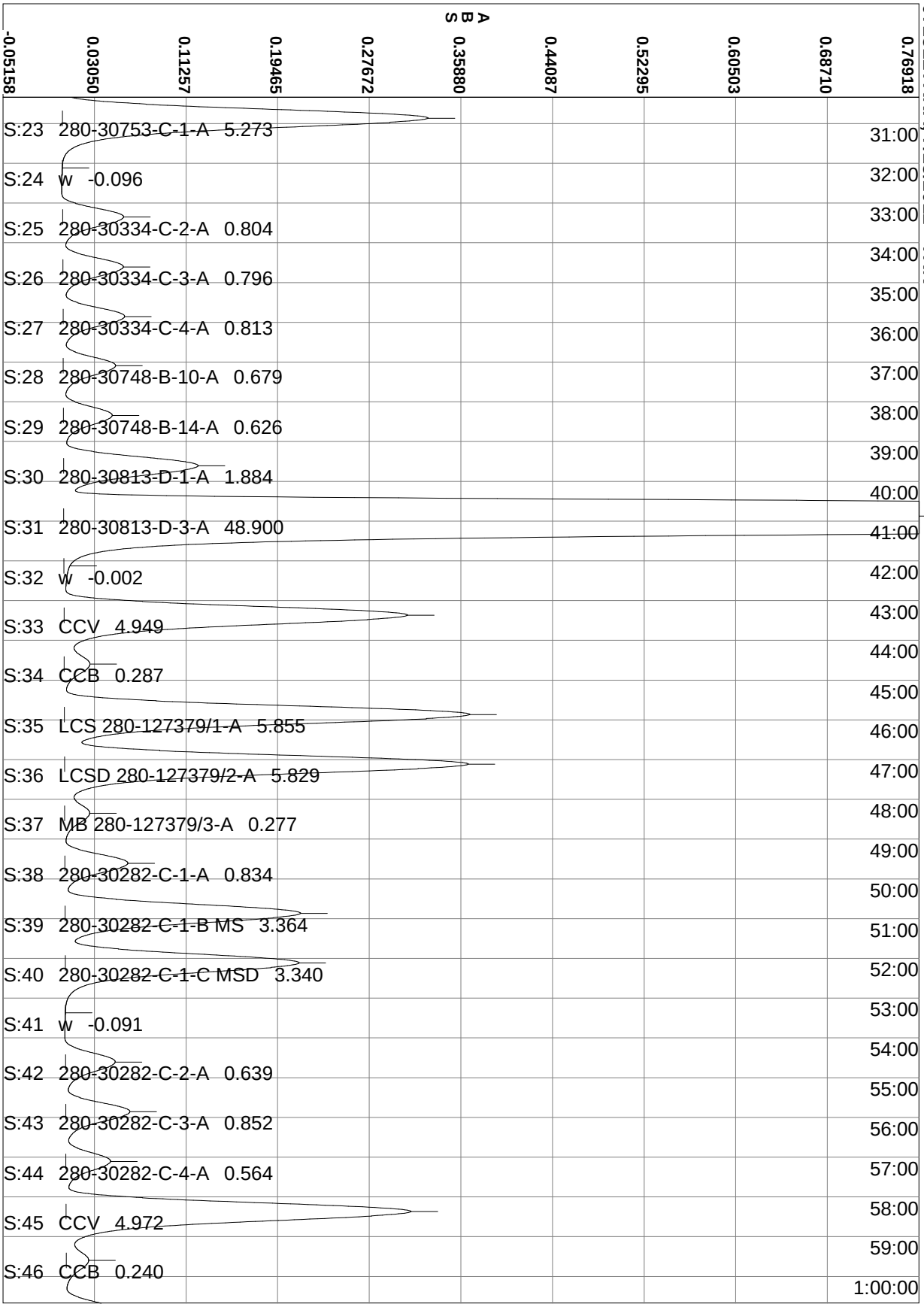
Segment 1: Equation: y = 0.06100x + 0.005464
Correlation: 0.9994
X Range = 0.000 to 10.000
Y Range = 0.00000 to 7.20000

	›siti	Identifier	Type	Comm	Date	Time	otal	TKN Cor Ht	mg/l
11	1:13	w	Blank		7/13/2012	8:33:22	1	0.00085	-0.076
12	1:14	W	Wash		7/13/2012	8:34:37	1	0.00000	-0.090
13	1:15	ICV	ICV		7/13/2012	8:35:53	2	0.29772	9.583
14	1:16	ICB	ICB		7/13/2012	8:37:08	1	0.02337	0.294
15	1:17	LCS 280-127752/1-A	Unknown		7/13/2012	8:38:23	1	0.35622	5.750

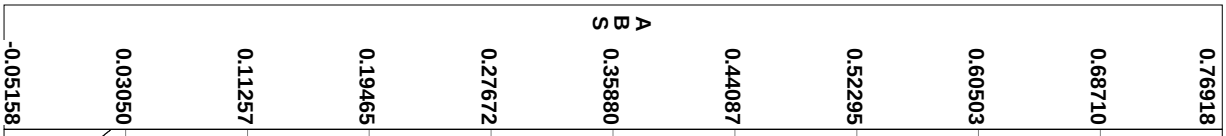
	Positi	Identifier	Type	Comm	Date	Time	Total	TKN Cor Ht	TKN mg/l
16	1:18	LCSD 280-127752/2-A	Unknown		7/13/2012	8:39:39 P	1	0.35577	5.743
17	1:19	MB 280-127752/3-A	Unknown		7/13/2012	8:40:54 P	1	0.02171	0.266
18	1:20	280-30334-C-1-A	Unknown		7/13/2012	8:42:09 P	1	0.05818	0.864
19	1:21	280-30334-C-1-B MS	Unknown		7/13/2012	8:43:25 P	1	0.20245	3.229
20	1:22	280-30334-C-1-C MSI	Unknown		7/13/2012	8:44:40 P	1	0.20265	3.233
21	1:23	CCV	CCV		7/13/2012	8:45:55 P	1	0.30687	4.941
22	1:24	CCB	CCB		7/13/2012	8:47:11 P	1	0.02324	0.291
23	1:25	280-30753-C-1-A	Unknown		7/13/2012	8:48:26 P	1	0.32708	5.273
24	1:26	w	Blank		7/13/2012	8:49:41 P	1	-0.00038	-0.096
25	1:27	280-30334-C-2-A	Unknown		7/13/2012	8:50:57 P	1	0.05451	0.804
26	1:28	280-30334-C-3-A	Unknown		7/13/2012	8:52:12 P	1	0.05404	0.796
27	1:29	280-30334-C-4-A	Unknown		7/13/2012	8:53:27 P	1	0.05503	0.813
28	1:30	280-30748-B-10-A	Unknown		7/13/2012	8:54:42 P	1	0.04686	0.679
29	1:31	280-30748-B-14-A	Unknown		7/13/2012	8:55:58 P	1	0.04367	0.626
30	1:32	280-30813-D-1-A	Unknown		7/13/2012	8:57:13 P	1	0.12038	1.884
31	1:33	280-30813-D-3-A	Unknown		7/13/2012	8:58:28 P	1	2.98820	48.900
32	1:34	w	Blank		7/13/2012	8:59:44 P	1	0.00535	-0.002
33	1:35	CCV	CCV		7/13/2012	9:00:59 P	1	0.30734	4.949
34	1:36	CCB	CCB		7/13/2012	9:02:14 P	1	0.02298	0.287
35	1:37	LCS 280-127379/1-A	Unknown		7/13/2012	9:03:30 P	1	0.36258	5.855
36	1:38	LCSD 280-127379/2-A	Unknown		7/13/2012	9:04:45 P	1	0.36098	5.829
37	1:39	MB 280-127379/3-A	Unknown		7/13/2012	9:06:00 P	1	0.02235	0.277
38	1:40	280-30282-C-1-A	Unknown		7/13/2012	9:07:16 P	1	0.05632	0.834
39	1:41	280-30282-C-1-B MS	Unknown		7/13/2012	9:08:31 P	1	0.21067	3.364
40	1:42	280-30282-C-1-C MSI	Unknown		7/13/2012	9:09:46 P	1	0.20917	3.340
41	1:43	w	Blank		7/13/2012	9:11:02 P	1	-0.00010	-0.091
42	1:44	280-30282-C-2-A	Unknown		7/13/2012	9:12:17 P	1	0.04442	0.639
43	1:45	280-30282-C-3-A	Unknown		7/13/2012	9:13:32 P	1	0.05740	0.852
44	1:46	280-30282-C-4-A	Unknown		7/13/2012	9:14:47 P	1	0.03990	0.564
45	1:47	CCV	CCV		7/13/2012	9:16:03 P	1	0.30872	4.972
46	1:48	CCB	CCB		7/13/2012	9:17:18 P	1	0.02011	0.240
47	1:49	280-30282-C-5-A	Unknown		7/13/2012	9:18:33 P	1	0.04600	0.665
48	1:50	280-30282-C-6-A	Unknown		7/13/2012	9:19:49 P	1	0.04591	0.663
49	1:51	280-30282-C-7-A	Unknown		7/13/2012	9:21:04 P	1	0.04500	0.648
50	1:52	280-30282-C-8-A	Unknown		7/13/2012	9:22:19 P	1	0.05286	0.777
51	1:53	280-30282-C-9-A	Unknown		7/13/2012	9:23:34 P	1	0.04539	0.655
52	1:54	280-30754-A-1-A	Unknown		7/13/2012	9:24:50 P	1	2.93011	47.948
53	1:55	280-30754-A-2-A	Unknown		7/13/2012	9:26:05 P	1	0.18022	2.865
54	1:56	280-30754-A-2-B MS	Unknown		7/13/2012	9:27:20 P	1	0.38187	6.171
55	1:57	280-30754-A-2-C MSI	Unknown		7/13/2012	9:28:36 P	1	0.38262	6.183
56	1:58	W	Wash		7/13/2012	9:29:51 P	1	0.00000	-0.090
57	1:59	CCV	CCV		7/13/2012	9:31:06 P	1	0.31296	5.041
58	1:60	CCB	CCB		7/13/2012	9:32:22 P	1	0.02022	0.242
59	2:1	280-30754-A-3-A	Unknown		7/13/2012	9:33:37 P	1	0.93898	15.305
60	0	AutoWash	AutoWash		7/13/2012	9:34:52 P	1	0.00124	-0.069
61	0	AutoWash	AutoWash		7/13/2012	9:36:07 P	1	0.00000	-0.090
62	2:2	280-30754-A-4-A	Unknown		7/13/2012	9:37:23 P	1	0.29917	4.815
63	2:3	280-30754-A-5-A	Unknown		7/13/2012	9:38:38 P	1	0.17112	2.716

	›siti	Identifier	Type	Comm	Date	Time	otal	TKN Cor Ht	TKN mg/l
64	2:4	w	Blank		7/13/2012	9:39:53	1	0.00044	-0.082
65	2:5	280-30813-D-3-A	Unknown		7/13/2012	9:41:09	10	0.35123	56.687
66	2:6	280-30754-A-1-A	Unknown		7/13/2012	9:42:24	10	0.28136	45.231
67	2:7	w	Blank		7/13/2012	9:43:39	1	0.00058	-0.080
68	2:8	280-30754-A-3-A	Unknown		7/13/2012	9:44:55	2	0.39695	12.837
69	2:9	w	Blank		7/13/2012	9:46:10	1	0.00082	-0.076
70	2:10	CCV	CCV		7/13/2012	9:47:25	1	0.30291	4.876
71	2:11	CCB	CCB		7/13/2012	9:48:41	1	0.01872	0.217
72	0	AutoWash	AutoWash		7/13/2012	9:49:56	1	0.00011	-0.088
73	0	AutoWash	AutoWash		7/13/2012	9:51:11	1	0.00000	-0.090
74	2:12	w	Blank		7/13/2012	9:52:27	1	???	???
75	0	AutoWash	AutoWash		7/13/2012	9:53:42	1	???	???
76	0	AutoWash	AutoWash		7/13/2012	9:54:57	1	???	???


071312TKNA, 7/13/2012 - TKN
ABS
-0.05158
0.03050
0.11257
0.19465
0.27672
0.35880
0.44087
0.52295
0.60503
0.68710
0.76918
0:00
1:00
2:00
3:00
4:00
5:00
6:00
7:00
8:00
9:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
24:00
25:00
26:00
27:00
28:00
29:00
30:00
S:1 SYNC 10.127
S:2 CO -0.075
S:3 w -0.086
S:4 W -0.090
S:5 C1 0.311
S:6 C2 0.490
S:7 C3 1.155
S:8 C4 1.775
S:9 C5 4.979
S:10 C6 10.039
S:11 w -0.076
S:12 W -0.090
S:13 ICV 9.583
S:14 ICB 0.294
S:15 LCS 280-127752/1-A 5.750
S:16 LCSD 280-127752/2-A 5.743
S:17 MB 280-127752/3-A 0.266
S:18 280-30334-C-1-A 0.864
S:19 280-30334-C-1-B MS 3.229
S:20 280-30334-C-1-C MSD 3.233
S:21 CCV 4.941
S:22 CCB 0.291


071312TKNA, 7/13/2012 - TKN
ABS
-0.05158
0.03050
0.11257
0.19465
0.27672
0.35880
0.44087
0.52295
0.60503
0.68710
0.76918
S:23 280-30753-C-1-A 5.273
S:24 w -0.096
S:25 280-30334-C-2-A 0.804
S:26 280-30334-C-3-A 0.796
S:27 280-30334-C-4-A 0.813
S:28 280-30748-B-10-A 0.679
S:29 280-30748-B-14-A 0.626
S:30 280-30813-D-1-A 1.884
S:31 280-30813-D-3-A 48.900
S:32 w -0.002
S:33 CCV 4.949
S:34 CCB 0.287
S:35 LCS 280-127379/1-A 5.855
S:36 LCSD 280-127379/2-A 5.829
S:37 MB 280-127379/3-A 0.277
S:38 280-30282-C-1-A 0.834
S:39 280-30282-C-1-B MS 3.364
S:40 280-30282-C-1-C MSD 3.340
S:41 w -0.091
S:42 280-30282-C-2-A 0.639
S:43 280-30282-C-3-A 0.852
S:44 280-30282-C-4-A 0.564
S:45 CCV 4.972
S:46 CCB 0.240
31:00
32:00
33:00
34:00
35:00
36:00
37:00
38:00
39:00
40:00
41:00
42:00
43:00
44:00
45:00
46:00
47:00
48:00
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1:00:00

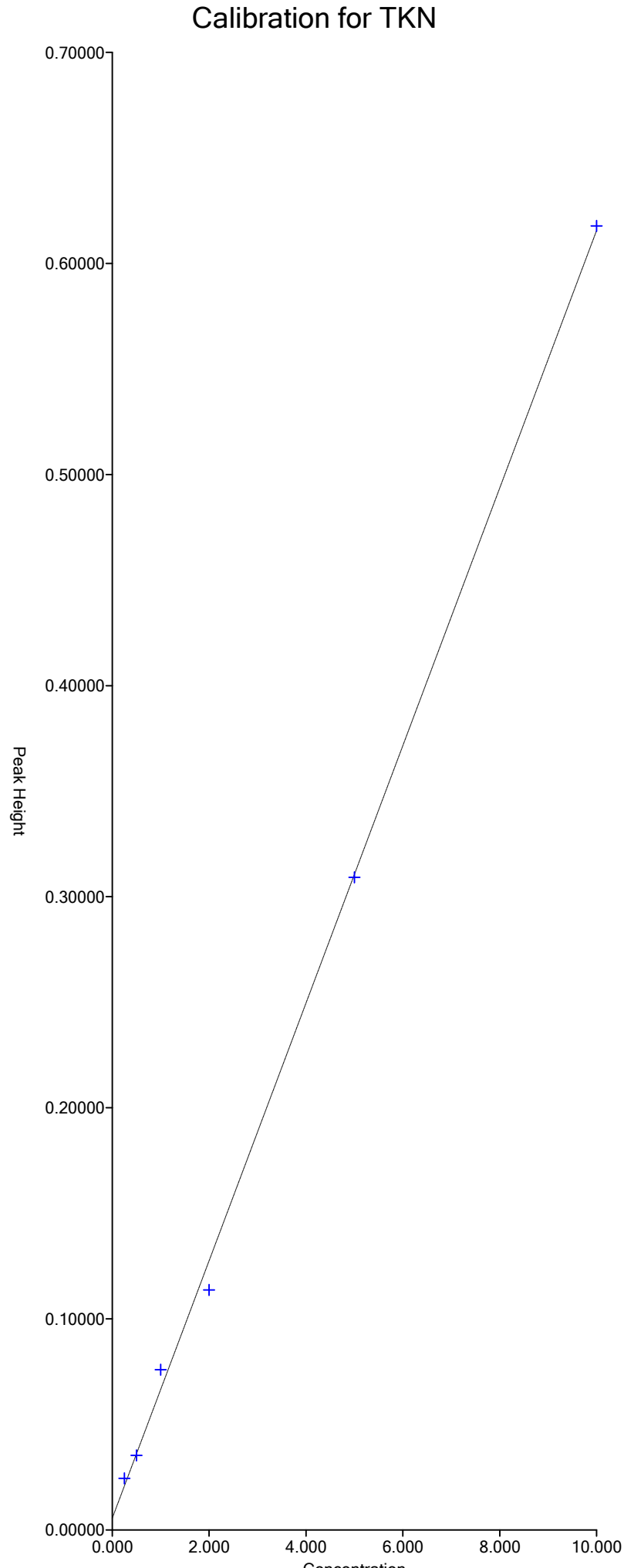

071312TKNA, 7/13/2012 - TKN
ABS
-0.05158
0.03050
0.11257
0.19465
0.27672
0.35880
0.44087
0.52295
0.60503
0.68710
0.76918
S:47 280-30282-C-5-A 0.665
S:48 280-30282-C-6-A 0.663
S:49 280-30282-C-7-A 0.648
S:50 280-30282-C-8-A 0.777
S:51 280-30282-C-9-A 0.655
S:52 280-30754-A-1-A 47.948
S:53 280-30754-A-2-A 2.865
S:54 280-30754-A-2-B MS 6.171
S:55 280-30754-A-2-C MSD 6.183
S:56 W -0.090
S:57 CCV 5.041
S:58 CCB 0.242
S:59 280-30754-A-3-A 15.305
S:60 AutoWash -0.069
S:61 AutoWash -0.090
S:62 280-30754-A-4-A 4.815
S:63 280-30754-A-5-A 2.716
S:64 w -0.082
S:65 280-30813-D-3-A 56.687
S:66 280-30754-A-1-A 45.231
S:67 w -0.080
S:68 280-30754-A-3-A 12.837
S:69 w -0.076
S:70 CCV 4.876
S:71 CCB 0.217
1:01:00
1:02:00
1:03:00
1:04:00
1:05:00
1:06:00
1:07:00
1:08:00
1:09:00
1:10:00
1:11:00
1:12:00
1:13:00
1:14:00
1:15:00
1:16:00
1:17:00
1:18:00
1:19:00
1:20:00
1:21:00
1:22:00
1:23:00
1:24:00
1:25:00
1:26:00
1:27:00
1:28:00
1:29:00
1:30:00
1:31:00



S:72 AutoWash -0.088

S:73 AutoWash -0.090

1:32:00
1:33:00
1:34:00
1:35:00
1:36:00
1:37:00
1:38:00
1:39:00
1:40:00
1:41:00
1:42:00
1:43:00
1:44:00
1:45:00
1:46:00
1:47:00
1:48:00
1:49:00
1:50:00
1:51:00
1:52:00
1:53:00
1:54:00
1:55:00
1:56:00
1:57:00
1:58:00
1:59:00
2:00:00
2:01:00



Segment 1: Equation: y = 0.06100x + 0.005464
Correlation: 0.9994
X Range = 0.000 to 10.000
Y Range = 0.00000 to 7.20000

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: COD 410.4 **SOP #** DV-WC-0018

Instrument: HACH Spec **Analyst:** M. Fayard **Analysis Date:** 6/16/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30117-1	Water	NA	124298	410.4	NA
280-30007-1					
280-29966-6					
280-29975-1					
280-29988-1					
280-30081-1-5					
280-30093-1					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			–
2. Correlation coefficient ≥ 0.995 ?	✓			–
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			–
4. ICB analyzed immediately after the ICV & results < the RL	✓			–
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			–
6. CCB analyzed after every CCV & results < RL?	✓			–
7. Absolute value of the intercept is < ± ½ the RL?			✓	–
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			–
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			–
3. All reported results bracketed by in control CCV results?	✓			–
4. Sample analyses done within holding time?	✓			–
5. Initial pH check documented for all samples? (If Applicable)	✓			
6. Preparation benchsheet completed and included in package?			✓	–
7. Client requirements reviewed and met?	✓			–
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	–
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			–
11. Raw data copies prepared, scanned, and uploaded?	✓			–
12. Manual integrations done properly and initialed and dated?			✓	–
13. STD/True Value information is updated and included?	✓			–
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			–
2. Method blank < ½ RL or NCM provided?	✓			–
3. LCS/LCSD run for batch and within QC limits?	✓			–
4. MS/MSD run at required frequency and within limits or NCM written?	✓			–
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	–

Analyst: [signature] **Date:** 6/19/12

2nd Level Reviewer : [signature] **Date:** 6.20.12

Test Name/ Method #: COD 410.4 **SOP #** DV-WC-0018

Instrument: HACH SPEC **Analyst:** M. FAYARD **Analysis Date:** 6/16/12

Lot / Sample Numbers	Matrix	Batch	Method	Special Inst
280-30116-1	Water	124298	410.4	NA
280-29669-9, 19, 32, 42	↓	↓	↓	DOE
280-29669-52462				DOE

NA 6/19/12

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: COD - 410.4 **SOP #** DV-WC-0018

Instrument: Hach Spec **Analyst:** M. Fayard **Analysis Date:** 6/26/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30298-12,17,21+25	Water	NA	125568	410.4	DOE
280-30338-3,8,12,16,22,28,32+37	↓	↓	↓	↓	DOE
280-30282-1-8	↓	↓	↓	↓	Q4
		6/26/12			

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			—
2. Correlation coefficient ≥ 0.995 ?	✓			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			—
4. ICB analyzed immediately after the ICV & results < the RL	✓			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			—
6. CCB analyzed after every CCV & results < RL?	✓			—
7. Absolute value of the intercept is < ± ½ the RL?			✓	—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			—
3. All reported results bracketed by in control CCV results?	✓			—
4. Sample analyses done within holding time?	✓			—
5. Initial pH check documented for all samples? (If Applicable)	✓			—
6. Preparation benchsheet completed and included in package?			✓	—
7. Client requirements reviewed and met?	✓			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	—
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
11. Raw data copies prepared, scanned, and uploaded?	✓			—
12. Manual integrations done properly and initialed and dated?			✓	—
13. STD/True Value information is updated and included?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?	✓			—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	—

Analyst: _____ **Date:** 6/26/12

2nd Level Reviewer : _____ **Date:** 6/27/12

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: COD - 410.4 **SOP #** DV-WC-0018

Instrument: HACH Spec **Analyst:** M. Faynor **Analysis Date:** 6/26/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30282-9	Water	NA	125624	410.4	Q4
280-30334-1-4	↓	↓	↓	↓	Q4
280-30335-1-6	↓	↓	↓	↓	Q4
	6/26/12				

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			—
2. Correlation coefficient ≥ 0.995 ?	✓			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			—
4. ICB analyzed immediately after the ICV & results < the RL	✓			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			—
6. CCB analyzed after every CCV & results < RL?	✓			—
7. Absolute value of the intercept is < ± ½ the RL?	✓			—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?			✓	—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?			✓	—
3. All reported results bracketed by in control CCV results?	✓			—
4. Sample analyses done within holding time?	✓			—
5. Initial pH check documented for all samples? (If Applicable)	✓			—
6. Preparation benchsheet completed and included in package?			✓	—
7. Client requirements reviewed and met?	✓			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	—
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
11. Raw data copies prepared, scanned, and uploaded?	✓			—
12. Manual integrations done properly and initialed and dated?			✓	—
13. STD/True Value information is updated and included?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?	✓			—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	—

Analyst: [signature] **Date:** 6/26/12

2nd Level Reviewer : [signature] **Date:** 6/26/12

Wet Chemistry Data Review Checklist
Direct Measurement Methods (pH, Conductance, etc.)

Test Name/Method #: Color **Analysis Date** 6 2112

SOP #: DV WC 0058 **Analyst:** DA **Instrument:** Nessler tubes

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280 30282/1-9	Water	NA	126226	2120B	NA
					DA 6 3012

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the instrument properly standardized?	✓			✓
2. Second-source ICV analyzed immediately after instrument standardization & recovery ± 10% of true value?			✓	✓
3. ICB analyzed immediately after ICV & results < the RL?			✓	✓
4. CCV analyzed after every ten samples & recovery ± 10% of true value?			✓	✓
5. CCB analyzed after every CCV & all results < the RL?			✓	✓
B. Sample Results				
1. pH sample and duplicate within ± 0.1 units?			✓	✓
1. Are all sample dilutions appropriate and do associated RLs reflect required dilutions or limited sample volumes?	✓			✓
2. All reported results bracketed by in control CCV results?			✓	✓
3. Sample analyses done within holding time?	✓			✓
4. Preparation benchsheet completed and included in package (if applicable)?	✓			✓
5. Special client requirements reviewed and met?	✓			✓
6. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓ ✓			✓
7. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
8. STD/True Value information is updated and included?	✓			✓
9. Raw data copies prepared, scanned, and uploaded?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?			✓ DA	✓
4. Sample DUP run at required frequency and RPD within established limits?	✓			✓

Analyst: [signature] **Date:** 6 3012

2nd Level Reviewer : [signature] **Date:** 7/3/12

5/18/10 Version 2
QA/Edit/Forms/Data Review\Direct Measurement Methods Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver Wet Chemistry Data Review Checklist
For Titration Methods

ANALYTE: Hardness ANALYST: AA ANALYSIS DATE: 7/17/12 SOP: WC-0060

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30282	W	N/A	128017	2340C	
30334	↓	↓	↓	↓	
30335	↓	↓	↓	↓	
30813	↓	↓	↓	↓	

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the normality of the titrant verified and found acceptable?	✓			—
B. Sample Results				
1. Are all sample dilutions appropriate and do associated RLs/MDLs reflect required dilutions or limited sample volume?	✓			—
2. All reported results bracketed by in control CCV/CCB?	✓		✓	—
3. Sample analyses done within holding time?	✓			—
4. Initial pH check documented for all samples (if required)?			✓	—
5. Preparation benchsheet completed and included in package (if applicable)?	✓			—
6. Special client requirements checked?	✓			—
7. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures? (If Applicable)	✓			—
8. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
9. STD/True Value information is updated and included?	✓			—
10. Raw data copies prepared, scanned, and uploaded?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?	✓			—
5. DUP run at required frequency and RPD within 20% or NCM written?			✓	—

Analyst: _____ **Date:** 7/17/12

Comments: _____

2nd Level Reviewer : _____ **Date:** 7/17/12

Comments: _____

HARDNESS BY TITRATION

Analyst:	AA	**Titration Solutions**		**SOP Information:**	**Rep. / Detection Limits**
Date:	7/17/2012	Solution 1:	EDTA	Number: DV-WC-0060	MDL 0
QC Batch:		Source:	RICCA	Revision: No.3 05/10	Rep. Limit 2
MS Run:		LOT#	_00010	**Calibration Information**	
Time:9:30		Normality:	0.01980	Std# Hard 00021	
2340C		Exp. Date:	7/31/2013	Lot #	
		Std#	22	Made By: LabChem	
Pipette Verification	4.97			Concentration:1000	
at 5mls:		5000n		Exp: 3/11/13	
Brinkmann bottletop		5000x		DCS True Value: 400.00	
Buret 50				Spike True Value: 200.00	

Lot Number	Work Order	Sample Volume	Buret Start	Buret Stop	Flags	Final mL	Concentratn mg/L	Prep D.F.	Analyt. D.F.	Final Conc mg/L	% Rec.
	titrant stdz	10	0.00	10.13		10.13	1002.979	1	1	1002.98	0.01974
	titrant stdz	10	0.00	10.07		10.07	997.038	1	1	997.04	0.01986
	MB	25	0.00	0.00		0.00	0.000	1	1	0.00	
	LCS	25	0.00	10.05		10.05	398.023	1	1	398.02	
	LCS	25	0.00	10.11		10.11	400.400	1	1	400.40	
280-30282-E-1	X	25	0.00	11.68		11.68	462.578	1	1	462.58	
280-30282-E-1 MS	X	25	0.00	21.42		21.42	848.324	1	1	848.32	
280-30282-E-1 MSD	X	25	0.00	21.87		21.87	866.146	1	1	866.15	
280-30282-E-2	X	25	0.00	2.34		2.34	92.674	1	1	92.67	
280-30282-E-3	X	25	0.00	1.88		1.88	74.456	1	1	74.46	
280-30282-E-4	X	25	0.00	7.79		7.79	308.518	1	1	308.52	
280-30282-E-5	X	25	0.00	10.32		10.32	408.716	1	1	408.72	
280-30282-E-6	x	25	0.00	10.47		10.47	414.657	1	1	414.66	
280-30282-E-7	x	25	0.00	4.33		4.33	171.487	1	1	171.49	
280-30282-E-8	x	25	0.00	7.67		7.67	303.765	1	1	303.77	
280-30282-E-9	x	25	0.00	0.00		0.00	0.000	1	1	0.00	
280-30334-E-1	x	25	0.00	7.62		7.62	301.785	1	1	301.78	
280-30334-E-2	x	25	0.00	7.81		7.81	309.310	1	1	309.31	
280-30334-E-3	x	25	0.00	5.86		5.86	232.081	1	1	232.08	
280-30334-E-4	x	25	0.00	4.01		4.01	158.813	1	1	158.81	
280-30335-E-1	x	25	0.00	9.55		9.55	378.221	1	1	378.22	
280-30335-E-2	x	25	0.00	8.10		8.10	320.795	1	1	320.79	
280-30335-E-3	x	25	0.00	11.83		11.83	468.519	1	1	468.52	
280-30335-E-4	x	25	0.00	4.85		4.85	192.081	1	1	192.08	
280-30335-E-5	x	25	0.00	4.58		4.58	181.388	1	1	181.39	
280-30335-E-6	x	25	0.00	0.00		0.00	0.000	1	1	0.00	
280-30813-I-3	x	25	0.00	10.80		10.80	427.727	1	1	427.73	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	

Buffer:	Hardness Buffer _00012	
Exp:	10 18 12	
Calmagit	_00001	Exp:06/22/13

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/21/2012 8:59:20 AM by WETCHEMD
#Samples: 59 Last Update: 6/22/2012 2:23:56 PM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time	Weight
1	RT CHECK	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:14:11 PM	1.0000
2	cal1	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:31:00 PM	1.0000
3	cal2	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:47:48 PM	1.0000
4	cal3	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:04:36 PM	1.0000
5	cal4	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:21:25 PM	1.0000
6	cal5	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:38:13 PM	1.0000
7	cal6	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:55:01 PM	1.0000
8	BLK	Unknown	6	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:11:49 PM	1.0000
9	ICV STD#00816	Unknown	201	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:28:37 PM	1.0000
10	ICB	Unknown	186	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:45:26 PM	1.0000
11	ICV STD#00820	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 9:29:50 AM	1.0000
12	ICB	Unknown	187	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 9:46:38 AM	1.0000
13	MRL 0.05	Unknown	202	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 10:03:27 AM	1.0000
14	MRL 0.02	Unknown	203	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 10:20:15 AM	1.0000
15	LCS STD#00820	Unknown	194	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 10:37:04 AM	1.0000
16	LCSD	Unknown	193	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 10:53:52 AM	1.0000
17	MB	Unknown	143	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 11:10:41 AM	1.0000
18	280-30282-B-1	Unknown	139	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 1:16:30 PM	1.0000
19	280-30282-B-2	Unknown	175	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 1:33:18 PM	1.0000
20	280-30282-B-3	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 1:50:06 PM	1.0000
21	du 280-30282-B-3	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 2:06:55 PM	1.0000
22	ms 280-30282-B-3	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 2:23:43 PM	1.0000
23	msd 280-30282-B-3	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 2:40:31 PM	1.0000
24	280-30282-B-4	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 2:57:20 PM	1.0000
25	280-30282-B-5	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 3:14:08 PM	1.0000
26	280-30282-B-6	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 3:30:56 PM	1.0000
27	280-30282-B-7	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 3:47:45 PM	1.0000
28	CCV	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 4:04:34 PM	1.0000
29	CCB	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 4:21:22 PM	1.0000
30	280-30282-B-8	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 4:38:10 PM	1.0000
31	280-30282-B-9	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 4:54:58 PM	1.0000
32	280-30282-B-1 5x	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 5:11:47 PM	1.0000
33	280-30282-B-5 5x	Unknown	411	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 5:28:35 PM	1.0000
34	280-30282-B-6 5x	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 5:45:23 PM	1.0000
35	DU 280-30282-b-7	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 6:02:12 PM	1.0000
36	280-30282-B-8 5X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 6:19:00 PM	1.0000
37	280-30309-b-1 5X	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 6:35:48 PM	1.0000
38	280-30309-b-2 5X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 6:52:36 PM	1.0000
39	280-30309-b-1 10X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 7:09:24 PM	1.0000
40	CCV	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 7:26:12 PM	1.0000
41	CCB	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 7:43:00 PM	1.0000
42	280-30309-b-2 20X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 7:59:49 PM	1.0000
43	280-29669-a-1 5X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 8:16:37 PM	1.0000
44	280-29669-a-11	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 8:33:25 PM	1.0000

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/21/2012 8:59:20 AM by WETCHEMD
#Samples: 59 Last Update: 6/22/2012 2:23:56 PM by WETCHEMD

No.	Name	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	RT CHECK	1.0000	1.0000	100		EMK
2	cal1	1.0000	1.0000	101		EMK
3	cal2	1.0000	1.0000	102		EMK
4	cal3	1.0000	1.0000	103		EMK
5	cal4	1.0000	1.0000	104		EMK
6	cal5	1.0000	1.0000	105		EMK
7	cal6	1.0000	1.0000	106		EMK
8	BLK	1.0000	1.0000	107		EMK
9	ICV STD#00816	1.0000	1.0000	108		EMK
10	ICB	1.0000	1.0000	109		EMK
11	ICV STD#00820	1.0000	1.0000	110		EMK
12	ICB	1.0000	1.0000	111		EMK
13	MRL 0.05	1.0000	1.0000	112		EMK
14	MRL 0.02	1.0000	1.0000	113		EMK
15	LCS STD#00820	1.0000	1.0000	114		EMK
16	LCSD	1.0000	1.0000	115		EMK
17	MB	1.0000	1.0000	116		EMK
18	280-30282-B-1	1.0000	1.0000	117		EMK
19	280-30282-B-2	1.0000	1.0000	118		EMK
20	280-30282-B-3	1.0000	1.0000	119		EMK
21	du 280-30282-B-3	1.0000	1.0000	120		EMK
22	ms 280-30282-B-3	1.0000	1.0000	121		EMK
23	msd 280-30282-B-3	1.0000	1.0000	122		EMK
24	280-30282-B-4	1.0000	1.0000	123		EMK
25	280-30282-B-5	1.0000	1.0000	124		EMK
26	280-30282-B-6	1.0000	1.0000	125		EMK
27	280-30282-B-7	1.0000	1.0000	126		EMK
28	CCV	1.0000	1.0000	127		EMK
29	CCB	1.0000	1.0000	128		EMK
30	280-30282-B-8	1.0000	1.0000	129		EMK
31	280-30282-B-9	1.0000	1.0000	130		EMK
32	280-30282-B-1 5x	5.0000	1.0000	131		EMK
33	280-30282-B-5 5x	5.0000	1.0000	132		EMK
34	280-30282-B-6 5x	5.0000	1.0000	133		EMK
35	DU 280-30282-b-7	1.0000	1.0000	134		EMK
36	280-30282-B-8 5X	5.0000	1.0000	135		EMK
37	280-30309-b-1 5X	5.0000	1.0000	136		EMK
38	280-30309-b-2 5X	5.0000	1.0000	137		EMK
39	280-30309-b-1 10X	10.0000	1.0000	138		EMK
40	CCV	1.0000	1.0000	139		EMK
41	CCB	1.0000	1.0000	140		EMK
42	280-30309-b-2 20X	20.0000	1.0000	141		EMK
43	280-29669-a-1 5X	5.0000	1.0000	142		EMK
44	280-29669-a-11	1.0000	1.0000	143		EMK

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/21/2012 8:59:20 AM by WETCHEMD
#Samples: 59 Last Update: 6/22/2012 2:23:56 PM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time	Weight
45	280-29669-a-24 5X	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 8:50:13 PM	1.0000
46	280-29669-a-34 5X	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 9:07:02 PM	1.0000
47	280-29669-a-44 5X	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 9:23:50 PM	1.0000
48	280-29669-a-54 5X	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 9:40:38 PM	1.0000
49	280-29669-a-11 5X	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 10:19:10 PM	1.0000
50	lcs 280-125073/1-a	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 10:35:58 PM	1.0000
51	mb 280-125073/2-a	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 10:52:46 PM	1.0000
52	CCV	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 11:09:35 PM	1.0000
53	CCB	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 11:26:23 PM	1.0000
54	280-30013-a-1-k	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 11:43:11 PM	1.0000
55	280-30013-a-1-l du	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 11:59:59 PM	1.0000
56	280-30013-a-1-m ms	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:16:47 AM	1.0000
57	CCV	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:33:36 AM	1.0000
58	CCB	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:50:24 AM	1.0000
59	END	Unknown	421	10.0	stop	7 ANION AS11	Finished	6/22/2012 1:07:12 AM	1.0000

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/21/2012 8:59:20 AM by WETCHEMD
#Samples: 59 Last Update: 6/22/2012 2:23:56 PM by WETCHEMD

No.	Name	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
45	280-29669-a-24 5X	5.0000	1.0000	144		EMK
46	280-29669-a-34 5X	5.0000	1.0000	145		EMK
47	280-29669-a-44 5X	5.0000	1.0000	146		EMK
48	280-29669-a-54 5X	5.0000	1.0000	147		EMK
49	280-29669-a-11 5X	5.0000	1.0000	148		EMK
50	lcs 280-125073/1-a	1.0000	1.0000	149		EMK
51	mb 280-125073/2-a	1.0000	1.0000	150		EMK
52	CCV	1.0000	1.0000	151		EMK
53	CCB	1.0000	1.0000	152		EMK
54	280-30013-a-1-k	1.0000	1.0000	153		EMK
55	280-30013-a-1-l du	1.0000	1.0000	154		EMK
56	280-30013-a-1-m ms	1.0000	1.0000	155		EMK
57	CCV	1.0000	1.0000	156		EMK
58	CCB	1.0000	1.0000	157		EMK
59	END	1.0000	1.0000	158		EMK

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Pressure.LowerLimit =              200 [psi]
           Pressure.UpperLimit =              3000 [psi]
           %A.Equate =                        "DI H2O"
           CR_TC =                            On
           Pump_InjectValve.State             LoadPosition
           Data_Collection_Rate =             5.0 [Hz]
           CellTemperature.Nominal =          35.0 [°C]
           ColumnTemperature.Nominal =        30.0 [°C]
           Suppressor_Type =                  ASRS_4mm
           ; Pump_ECD.Hydroxide =             50.0
           ; Pump_ECD.Recommended Current =   124
           ; Pump_ECD.Carbonate =             0.0
           ; Pump_ECD.Bicarbonate =           0.0
           ; Pump_ECD.Tetraborate =           0.0
           ; Pump_ECD.Other eluent =          0.0
           Suppressor_Current =               125 [mA]
           Flow =                             1.00 [ml/min]

-2.700     Pump_ECD_Relay_1.Open              Duration=0.01
           Concentration =                    10.00 [mM]
           Curve =                            5

-2.500     Pump_ECD_Relay_1.Closed            Duration=0.01

 0.000     Autozero
           ECD_1.AcqOn
           Pump_InjectValve.InjectPosition    Duration=720.00

 7.500     Concentration =                    10.00 [mM]
           Curve =                            5

10.500     Concentration =                    40.00 [mM]
           Curve =                            5

10.600     Concentration =                    50.00 [mM]
           Curve =                            5

12.500     Concentration =                    50.00 [mM]
           Curve =                            5

12.600     Concentration =                    10.00 [mM]
           Curve =                            5

13.000     Concentration =                    10.00 [mM]
```

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Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Curve =                          5

14.000     ECD_1.AcqOff
           End
```

Chromeleon © Dionex Corporation, Version 6.80 SP3 Build 2345 (128616)

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ
Timebase: ICS-8
Created: 3/20/2008 10:44:59 AM by kudlae
Changed: 3/31/2008 10:13:48 AM by kudlae

No.	Channel	Operation	Parameters

Title: Stop
Datasource: D3YCYMF1_local Created: 3/11/2008 4:10:47 PM by Test America Labs
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ
Timebase: ICS-8 Changed: 3/11/2008 4:10:47 PM by Test America Labs

```
           ColumnTemperature =                Off
           CellTemperature.Nominal =          Off
; Pump_ECD.Hydroxide =                        50.0
; Pump_ECD.Recommended Current =              124
; Pump_ECD.Carbonate =                        0.0
; Pump_ECD.Bicarbonate =                      0.0
; Pump_ECD.Tetraborate =                      0.0
; Pump_ECD.Other eluent =                     0.0
           Pressure.LowerLimit =              200
           Pressure.UpperLimit =              3000
           %A.Equate =                        "DI H2O"
           CR_TC =                            Off
           ;LoadPosition
           Data_Collection_Rate =             5.0
           Suppressor_Type =                  ASRS_4mm
           Suppressor_Current =               124
           Suppressor_Mode =                  Off
           ECD_Total.Step =                   0.50
           ECD_Total.Average =                Off
           Channel_Pressure.Step =            0.50
           Channel_Pressure.Average =         Off

           Pump_ECD_Relay_1.Open
           Concentration =                    10.00
           Curve =                            5

           Pump_ECD_Relay_1.State             Open
           Mode =                             Off
           Flow =                             1.00

 0.000     off

           End
```

Chromeleon © Dionex Corporation, Version 6.80 SP3 Build 2345 (128616)

Title: Stop
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ
Timebase: ICS-8
Created: 3/11/2008 4:10:47 PM by Test America Labs
Changed: 3/11/2008 4:10:47 PM by Test America Labs

No.	Channel	Operation	Parameters

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Blank Run Subtraction: No Blank Run Subtraction

Detection Table:

No.	Ret. Time [min]	Param. Name	Param. Value	Channel
1	0.000	Minimum Area	0.5E-3 "[Signal]*min"	All Channels
2	0.000	Sensitivity	0.8E-3 "[Signal]"	All Channels
3	0.000	Inhibit Integration	On	All Channels
4	0.000	Valley to Valley	On	All Channels
5	0.000	Fronting Sensitivity Factor	5.0	All Channels
6	0.000	Tailing Sensitivity Factor	6.0	All Channels
7	1.500	Void Volume Treatment	On	All Channels
8	1.500	Inhibit Integration	Off	All Channels
9	1.800	Void Volume Treatment	Off	All Channels
10	2.000	Maximum Width	0.75 min	All Channels
11	8.200	Inhibit Integration	On	All Channels
12	11.000	Inhibit Integration	Off	All Channels

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Group	Comment	Amount BLK	Amount cal1
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*		*Autogenerated*	*0.000000*	*0.200000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Amount cal2	Amount cal3	Amount cal4	Amount cal5	Amount cal6
1	*Fluoride*	*1.900 min*	*0.500000*	*1.000000*	*4.000000*	*8.000000*	*10.000000*
2	Acetate	2.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
3	Chloride	3.300 min	2.500000	5.000000	20.000000	40.000000	50.000000
4	Nitrite	3.800 min	0.500000	1.000000	4.000000	8.000000	10.000000
5	Bromide	6.300 min	0.500000	1.000000	4.000000	8.000000	10.000000
6	Nitrate	7.000 min	0.500000	1.000000	4.000000	8.000000	10.000000
7	Sulfate	11.400 min	2.500000	5.000000	20.000000	40.000000	50.000000
8	Ortho as P	12.600 min	0.500000	1.000000	4.000000	8.000000	10.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Left Limit	Right Limit	Group	Resp.Fact.
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*	*0.000*	*0.000*		*1.000000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Comment
1	*Fluoride*	*1.900 min*	*Autogenerated*
2	Acetate	2.700 min	Autogenerated
3	Chloride	3.300 min	Autogenerated
4	Nitrite	3.800 min	Autogenerated
5	Bromide	6.300 min	Autogenerated
6	Nitrate	7.000 min	Autogenerated
7	Sulfate	11.400 min	Autogenerated
8	Ortho as P	12.600 min	Autogenerated

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Smp.No.	Pos.	Inj. Vol.	Weight	ISTD Amount	Dil. Factor	Inj. Date/Time	Sample Comment
1	☒	cal1	2	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:31:	EMK
2	☒	cal2	3	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:47:	EMK
3	☒	cal3	4	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:04:	EMK
4	☒	cal4	5	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:21:	EMK
5	☒	cal5	6	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:38:	EMK
6	☒	cal6	7	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:55:	EMK

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Calib.	Comment
1	☒	cal1	Ok	
2	☒	cal2	Ok	
3	☒	cal3	Ok	
4	☒	cal4	Ok	
5	☒	cal5	Ok	
6	☒	cal6	Ok	

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Sample Condition	Test Condition	Aggregate	Operator	Value	Channel	Peak	N.A.
1									

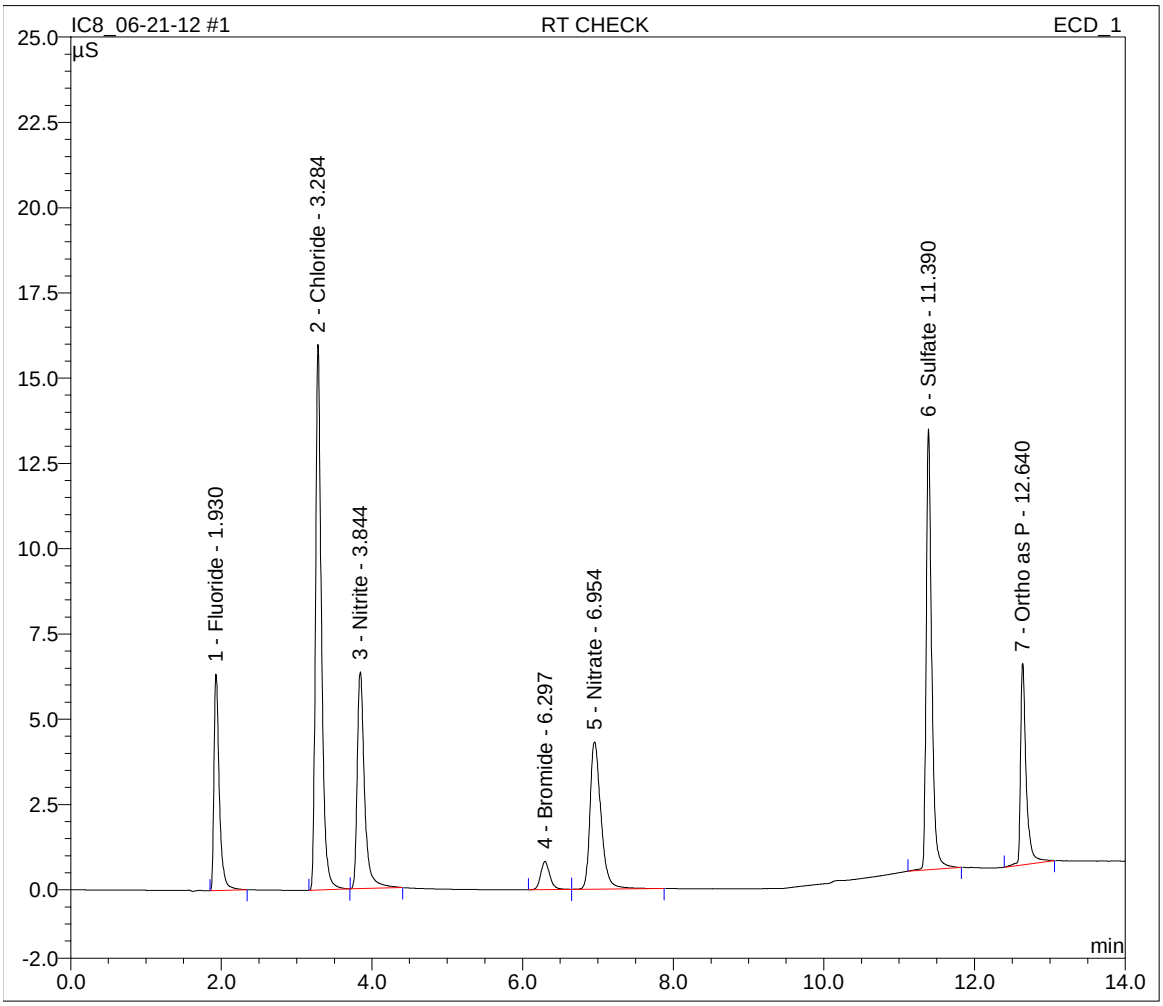
Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Fail-Action	Result	SST Message	Rounding
1					

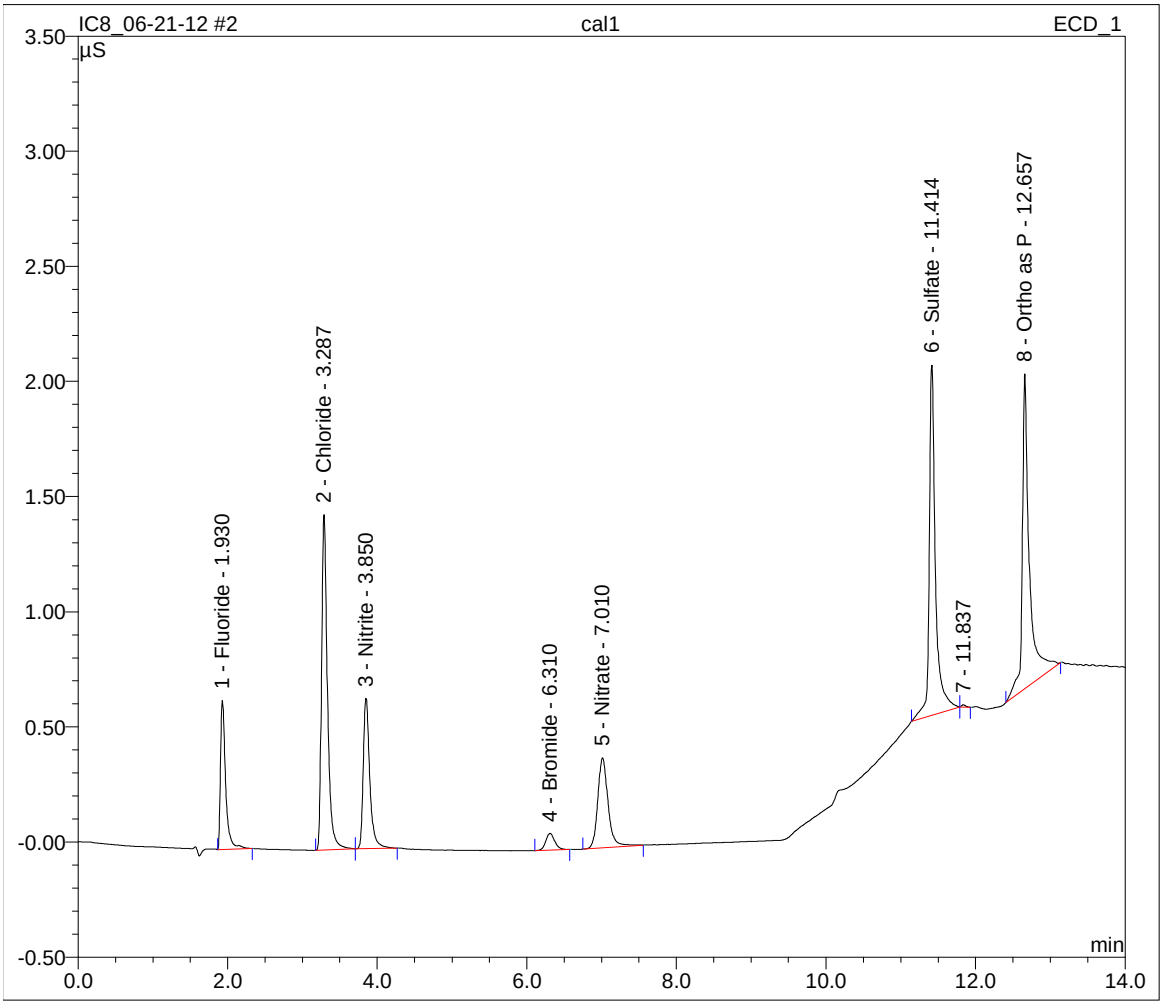
Sample Name:	**RT CHECK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.351	2.1852
2	3.28	Chloride	BMB	1.472	15.998	10.8467
3	3.84	Nitrite	BMB	0.714	6.365	1.9734
4	6.30	Bromide	BMB	0.115	0.825	2.0316
5	6.95	Nitrate	bMB	0.726	4.315	2.1359
6	11.39	Sulfate	BMB	1.098	12.924	10.0120
7	12.64	Ortho as P	BMB	0.504	5.904	2.0466
TOTAL:				5.14	52.68	31.23



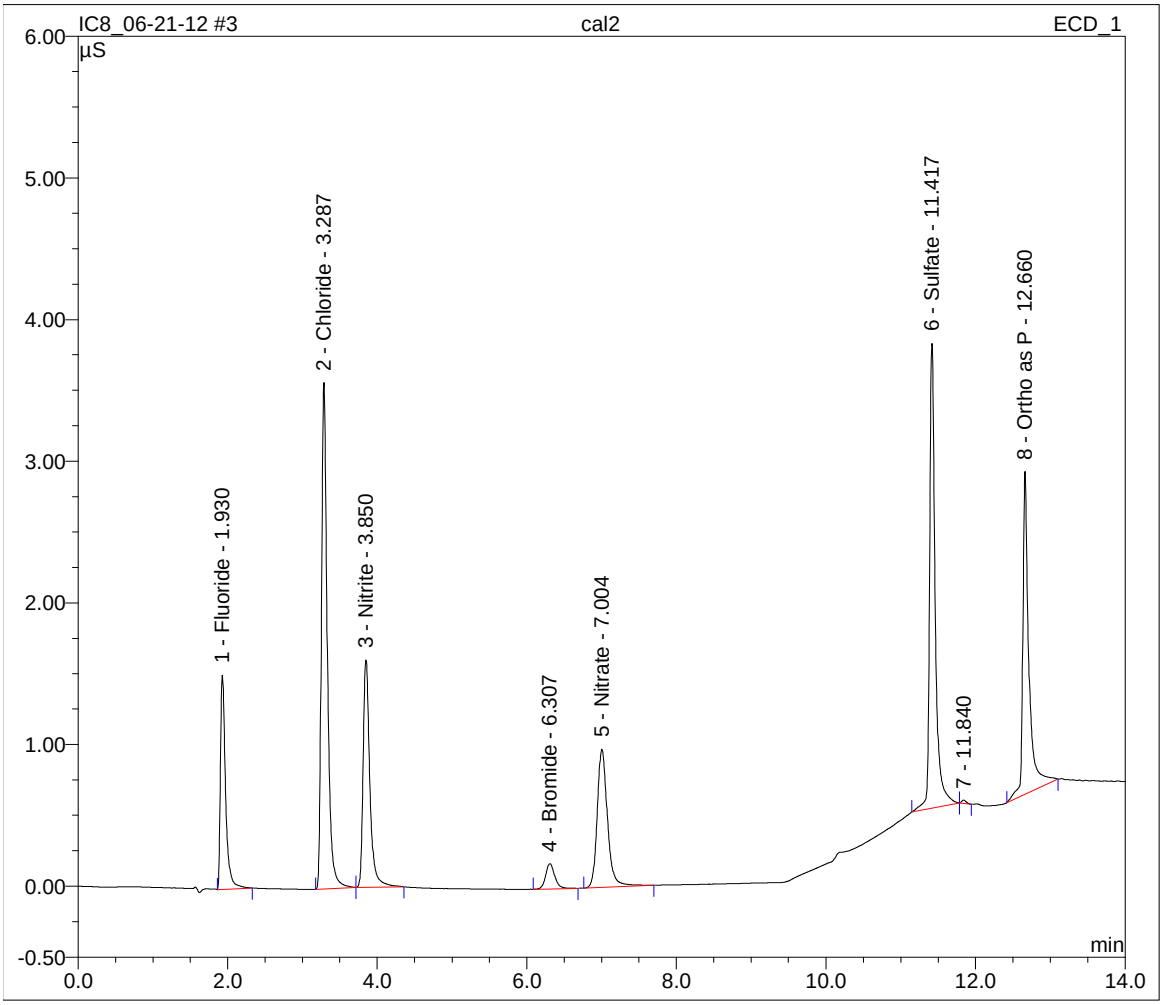
Sample Name:	**cal1**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:31**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.051	0.646	0.1970
2	3.29	Chloride	BMb	0.133	1.457	1.0400
3	3.85	Nitrite	bMB	0.066	0.652	0.2124
4	6.31	Bromide	BMB	0.010	0.073	0.2222
5	7.01	Nitrate	BMB	0.062	0.391	0.2154
6	11.41	Sulfate	BMb	0.146	1.521	1.0815
8	12.66	Ortho as P	BMB	0.151	1.367	0.1743
		TOTAL:		0.62	6.11	3.14



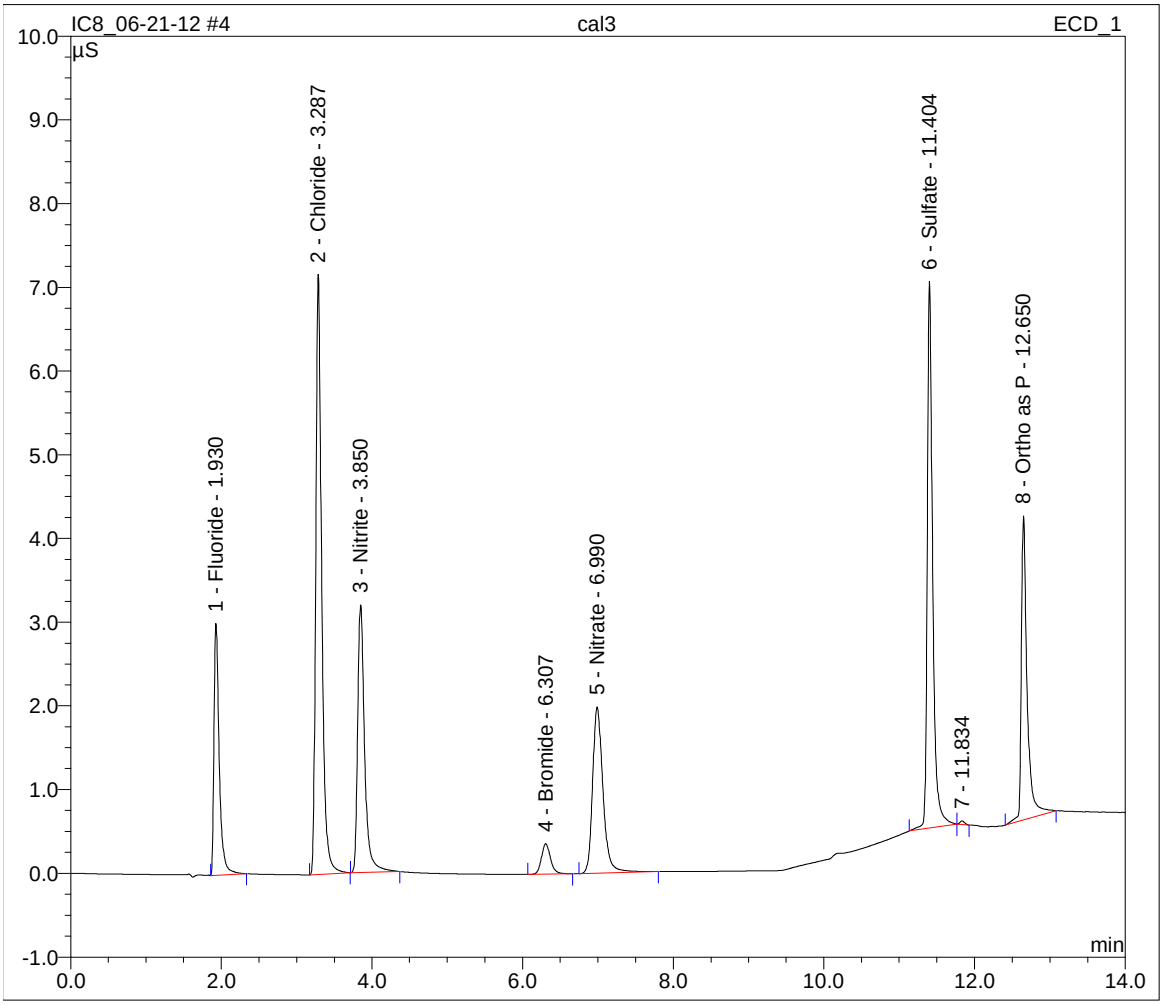
Sample Name:	**cal2**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.120	1.512	0.4922
2	3.29	Chloride	BMB	0.327	3.574	2.4601
3	3.85	Nitrite	BMB	0.167	1.604	0.4861
4	6.31	Bromide	BMB	0.025	0.178	0.4845
5	7.00	Nitrate	BMB	0.155	0.975	0.4831
6	11.42	Sulfate	BMb	0.284	3.282	2.3745
8	12.66	Ortho as P	BMB	0.216	2.278	0.5210
		TOTAL:		1.29	13.40	7.30



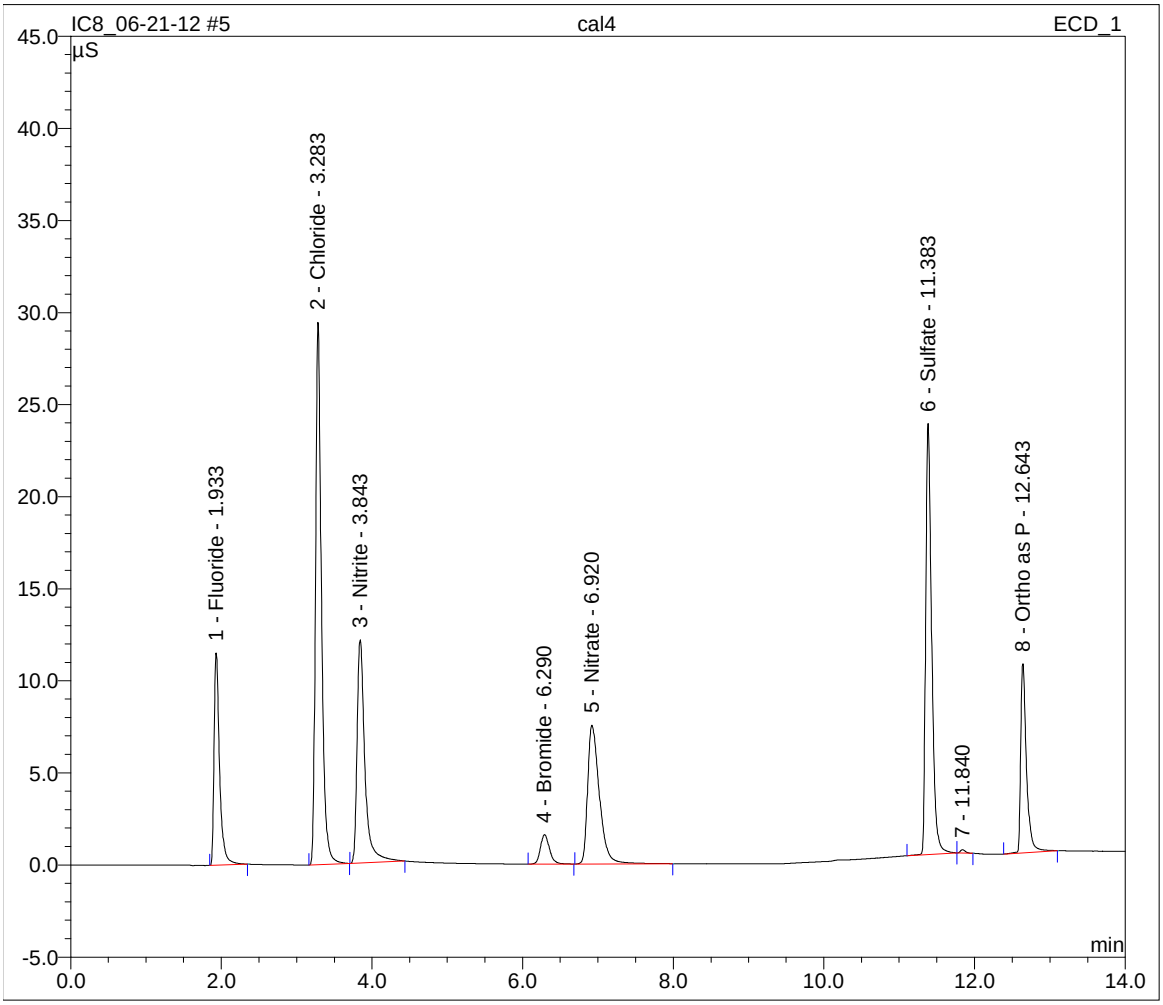
Sample Name:	**cal3**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.241	3.009	1.0119
2	3.29	Chloride	BMB	0.657	7.169	4.8803
3	3.85	Nitrite	BMB	0.341	3.199	0.9611
4	6.31	Bromide	BMB	0.051	0.365	0.9278
5	6.99	Nitrate	BMB	0.319	1.985	0.9575
6	11.40	Sulfate	BMb	0.545	6.532	4.8185
8	12.65	Ortho as P	BMB	0.320	3.633	1.0722
		TOTAL:		2.47	25.89	14.63



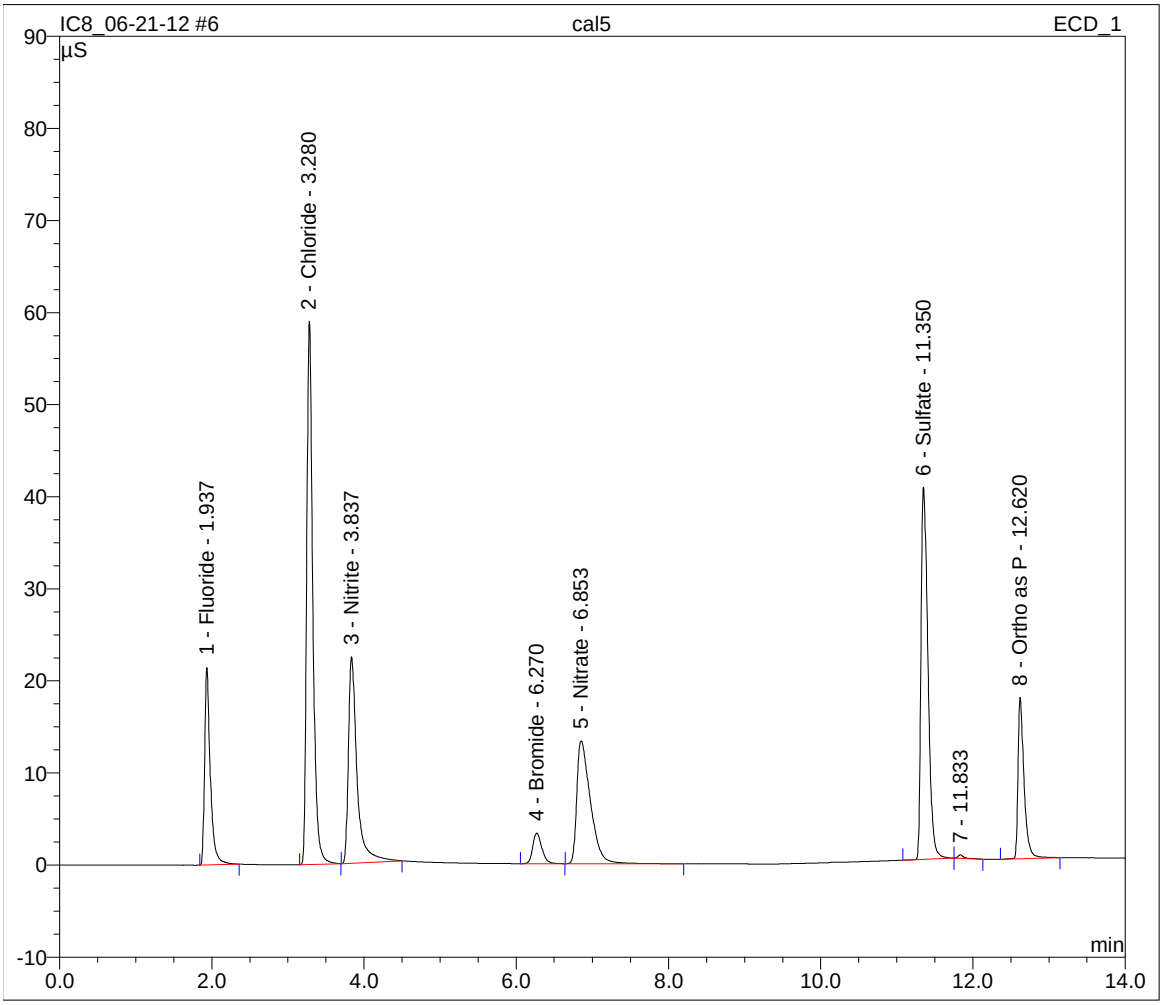
Sample Name:	**cal4**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.966	11.542	4.1247
2	3.28	Chloride	BMB	2.709	29.464	19.9102
3	3.84	Nitrite	BMB	1.456	12.120	3.9932
4	6.29	Bromide	BMB	0.223	1.604	3.8991
5	6.92	Nitrate	BMB	1.357	7.526	3.9629
6	11.38	Sulfate	BMb	2.162	23.410	20.0013
8	12.64	Ortho as P	BMB	0.901	10.280	4.1462
TOTAL:				9.77	95.95	60.04



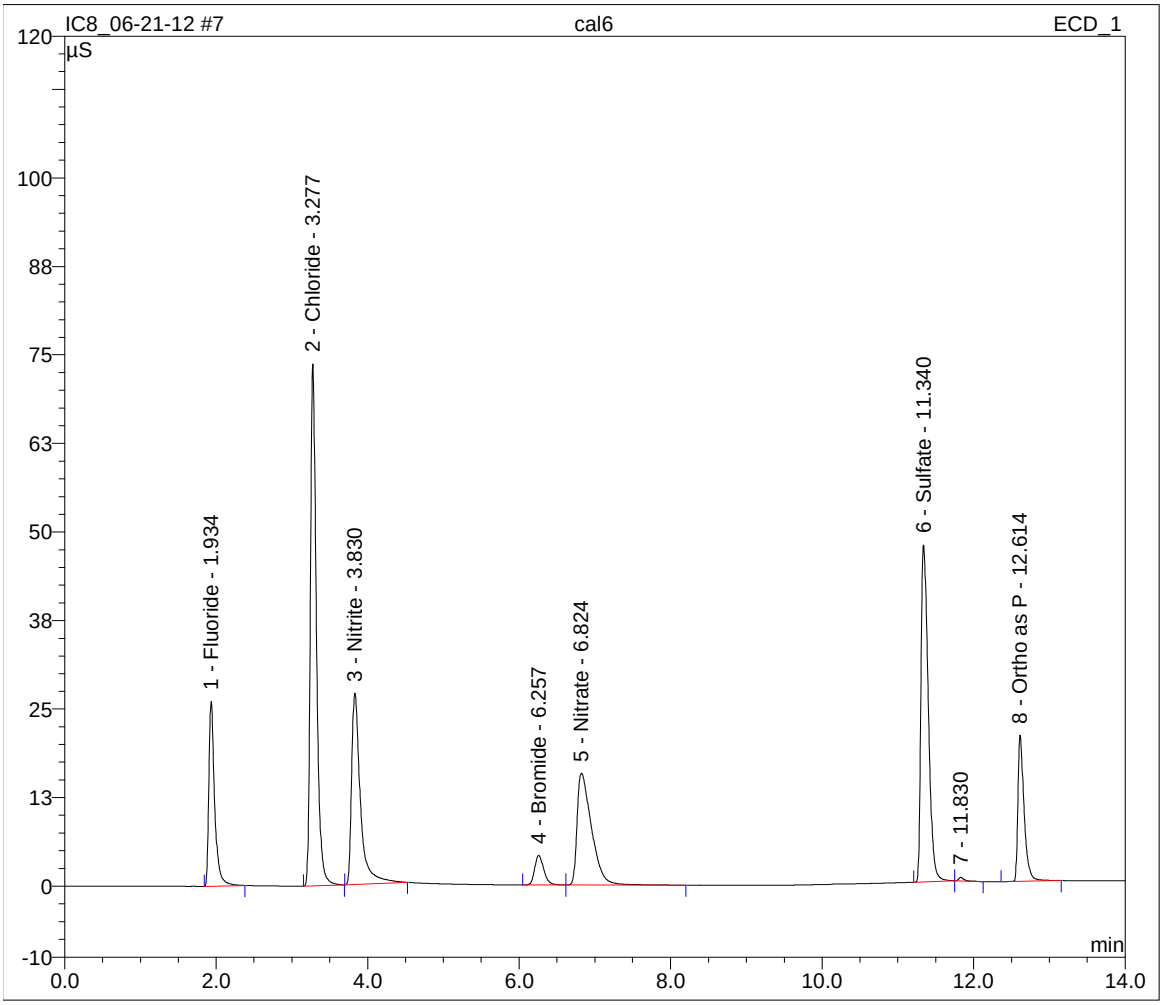
Sample Name:	**cal5**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	1.868	21.466	8.0002
2	3.28	Chloride	BMB	5.457	59.008	40.0443
3	3.84	Nitrite	BMB	2.954	22.426	8.0660
4	6.27	Bromide	BMB	0.462	3.324	8.0345
5	6.85	Nitrate	BMB	2.759	13.322	8.0199
6	11.35	Sulfate	BMb	4.302	40.425	40.0890
8	12.62	Ortho as P	BMB	1.622	17.507	7.9642
		TOTAL:		19.42	177.48	120.22



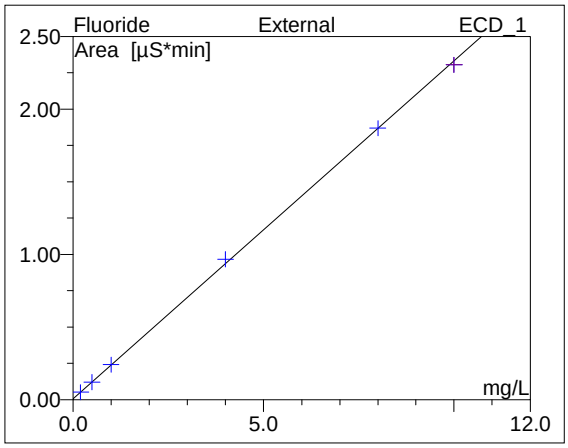
Sample Name:	**cal6**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:55**	*Run Time:*	**14.00**

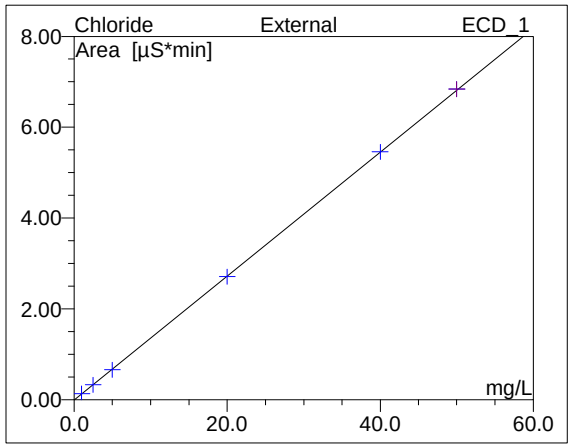
No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	2.304	26.065	9.8741
2	3.28	Chloride	BMB	6.838	73.679	50.1651
3	3.83	Nitrite	BMB	3.658	26.975	9.9812
4	6.26	Bromide	BMB	0.583	4.171	10.1319
5	6.82	Nitrate	BMB	3.465	15.767	10.0612
6	11.34	Sulfate	BMb	5.373	47.566	50.1352
8	12.61	Ortho as P	BMB	1.973	20.624	9.8221
		TOTAL:		24.19	214.85	150.17

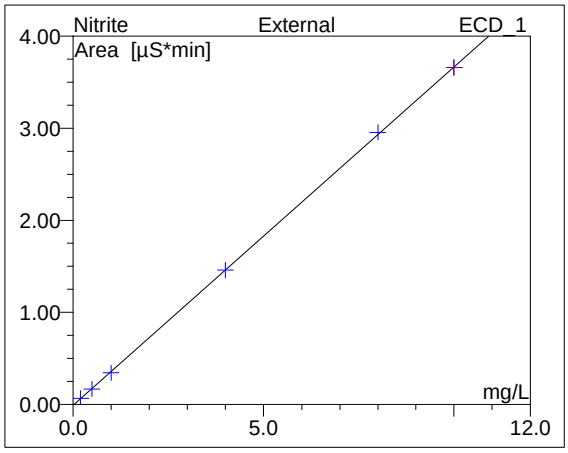


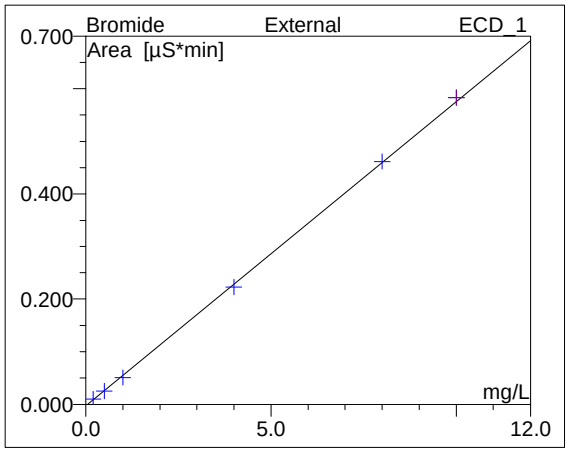
Calibration Batch Report

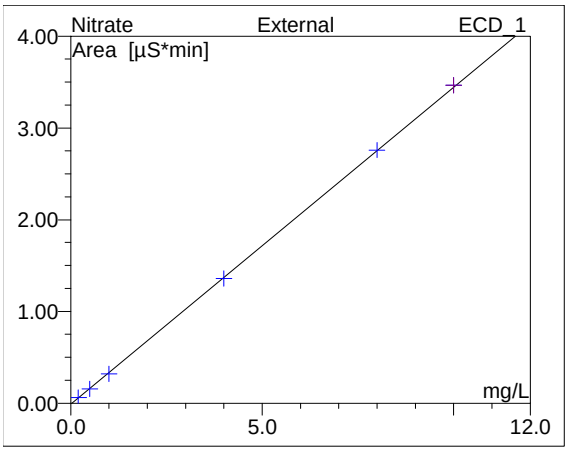
Sequence:	**IC8_06-21-12**	Inj. Vol.:	**10.0**
Program:	**7 Anion**	Operator:	**DENPC241**
Inj. Date/Time:	**06/18/12 14:55**	Run Time:	**14.00**

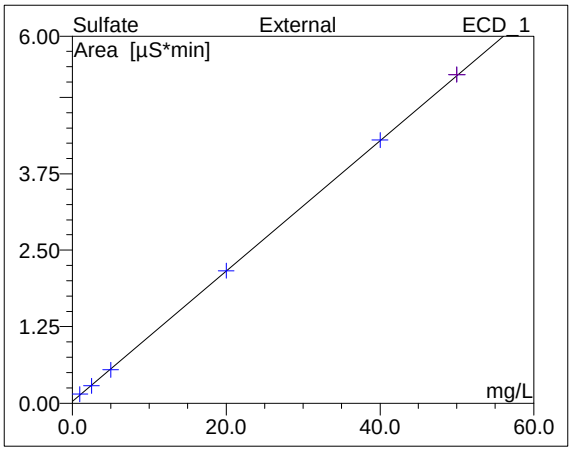




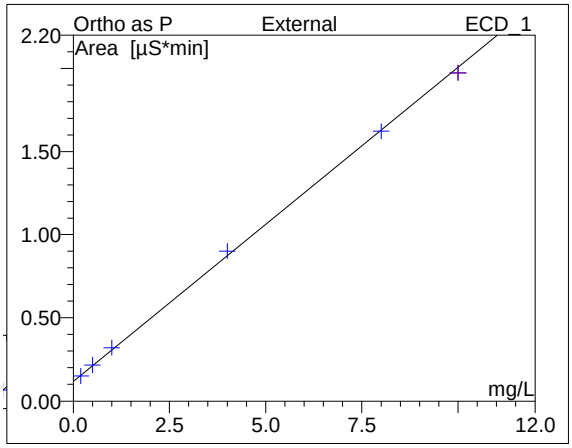








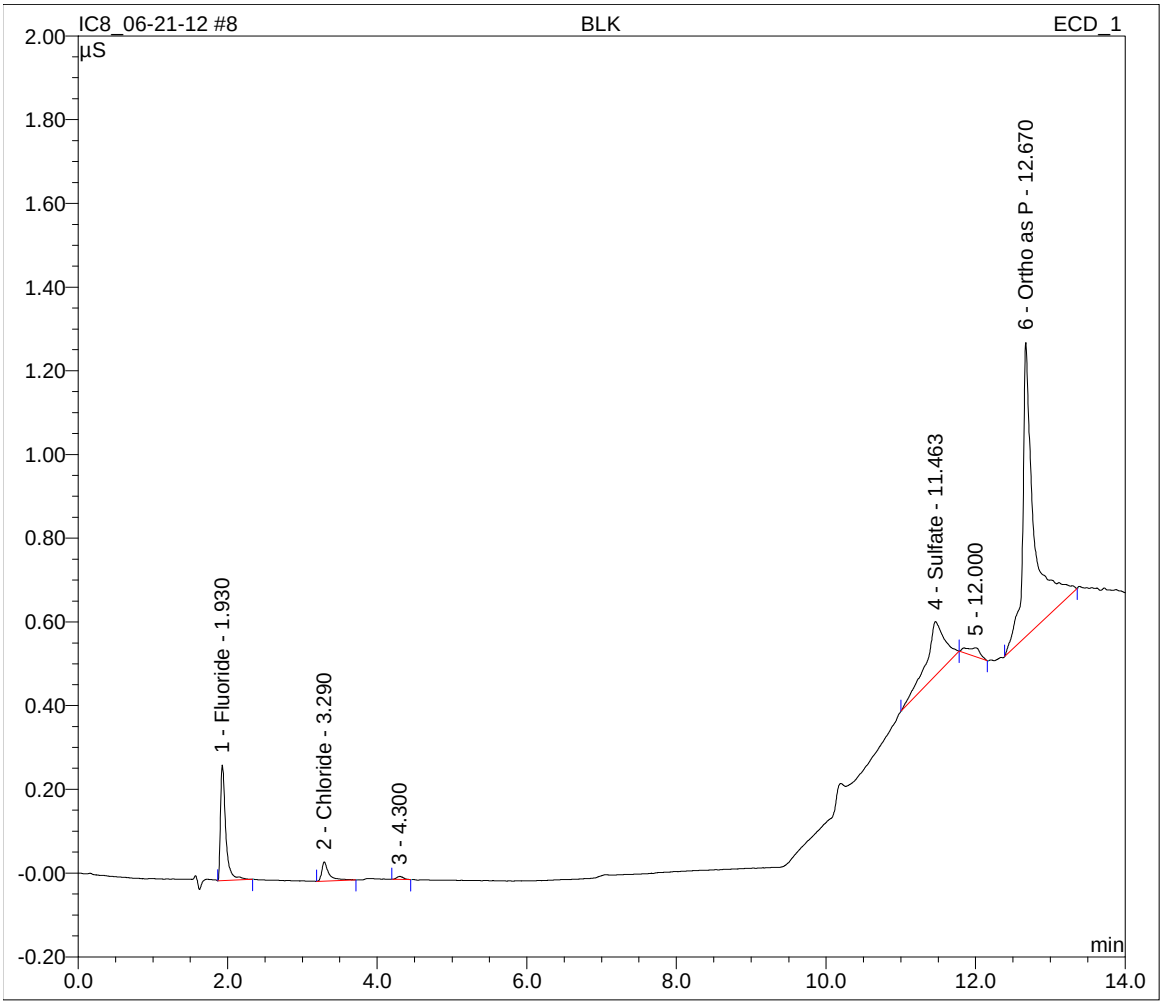
Program:	**7 Anion**	*Operator:*	**n.a.**
Ini. Date/Time:	**06/18/12 14:55**	*Run Time:*	**14.00**



No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
1	1.93	Fluoride	XLOff	6	0.005	0.233	0.000	99.985
2	3.28	Chloride	XLOff	6	-0.009	0.136	0.000	99.997
3	3.83	Nitrite	XLOff	6	-0.012	0.368	0.000	99.992
4	6.26	Bromide	XLOff	6	-0.003	0.058	0.000	99.968
5	6.82	Nitrate	XLOff	6	-0.012	0.346	0.000	99.989
6	11.34	Sulfate	XLOff	6	0.031	0.107	0.000	99.990
8	12.61	Ortho as P	XLOff	6	0.118	0.189	0.000	99.954
AVERAGE:					0.0169	0.2051	0.0000	99.9819

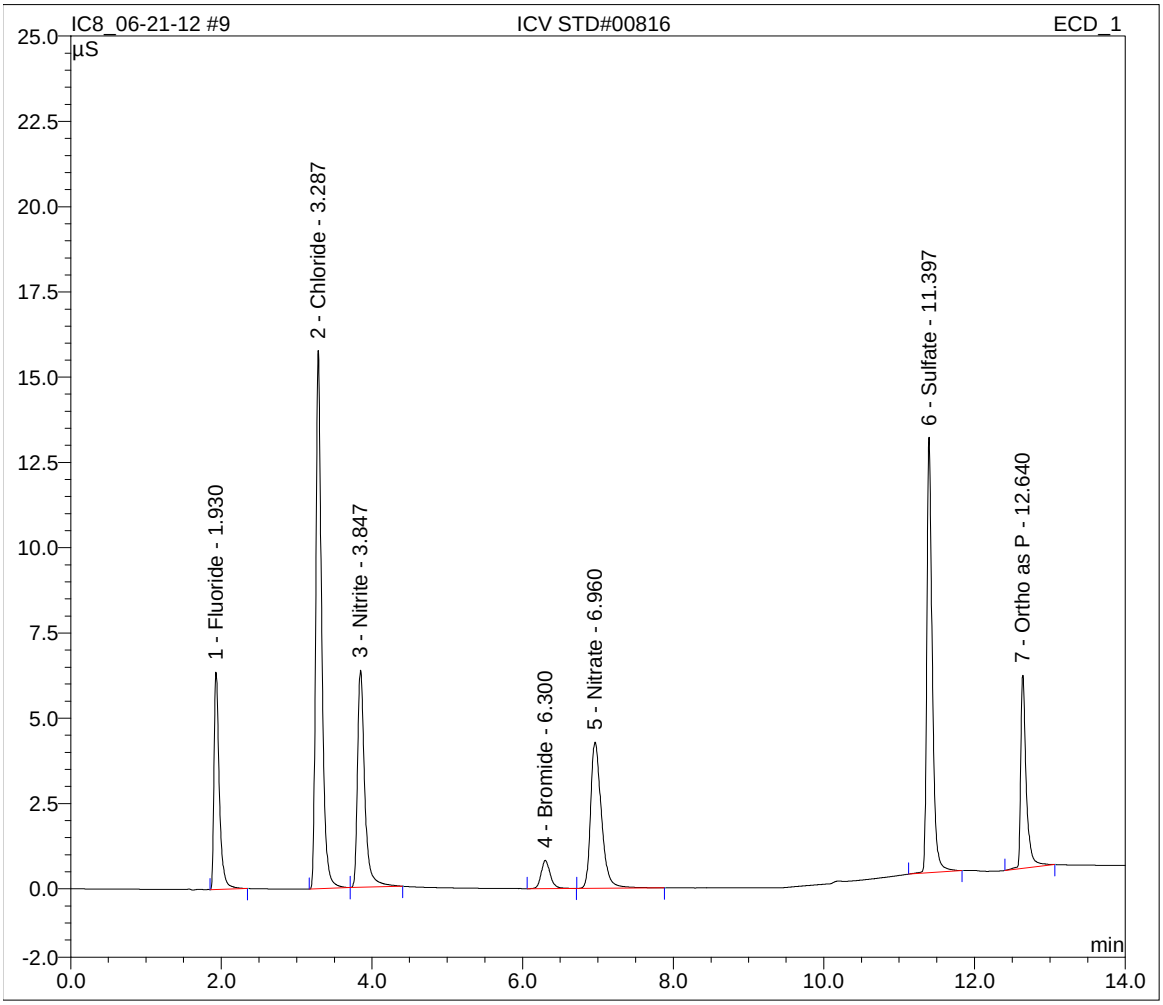
Sample Name:	**BLK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.022	0.276	0.0725
2	3.29	Chloride	BMB	0.005	0.046	0.1031
4	11.46	Sulfate	BMb	0.036	0.129	0.0502
6	12.67	Ortho as P	BMB	0.125	0.703	0.0382
		TOTAL:		0.19	1.15	0.26



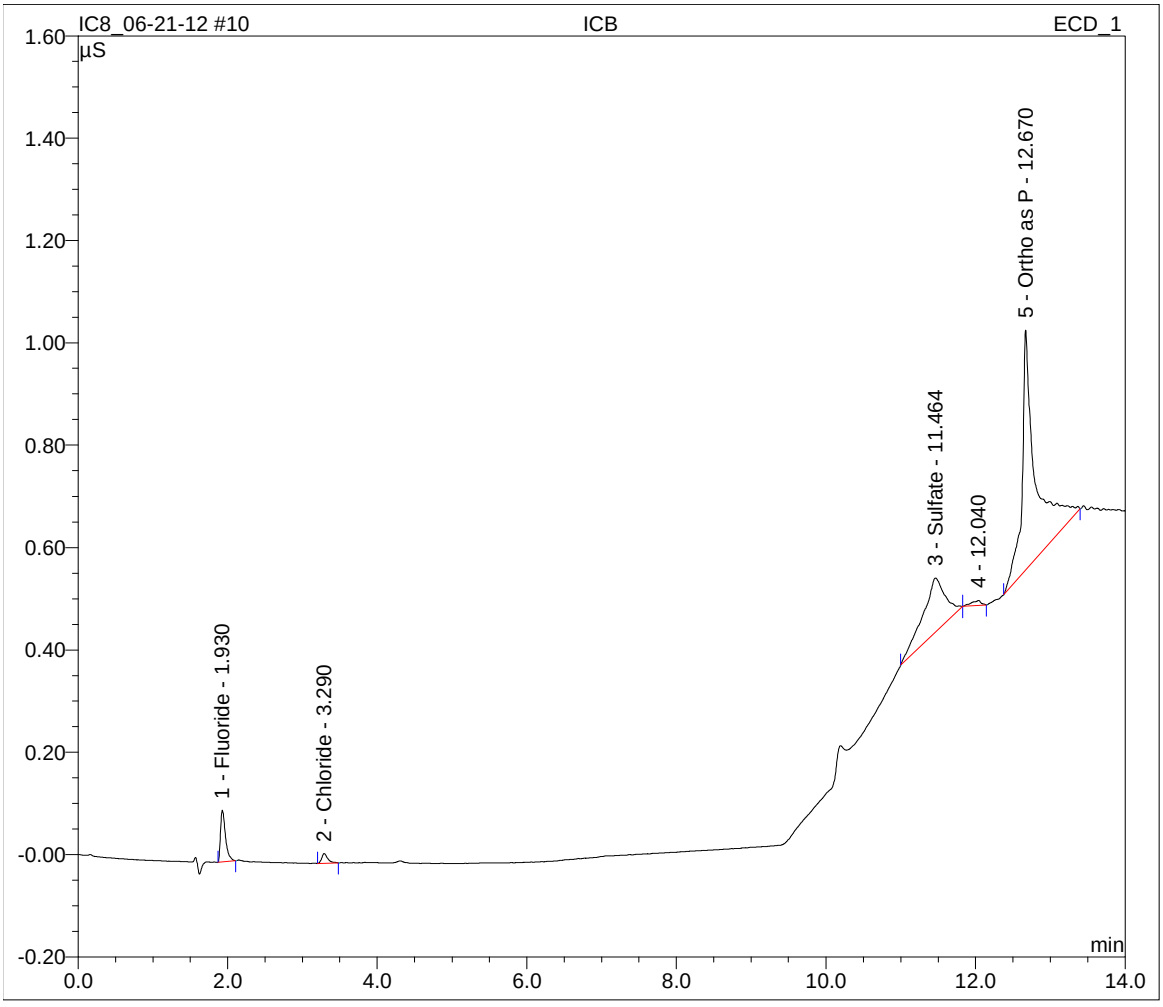
Sample Name:	**ICV STD#00816**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.382	2.1868
2	3.29	Chloride	BMB	1.448	15.777	10.6712
3	3.85	Nitrite	BMB	0.706	6.368	1.9529
4	6.30	Bromide	BMB	0.115	0.825	2.0290
5	6.96	Nitrate	BMB	0.713	4.281	2.0989
6	11.40	Sulfate	BMB	1.070	12.766	9.7526
7	12.64	Ortho as P	BMB	0.474	5.668	1.8875
TOTAL:				5.04	52.07	30.58



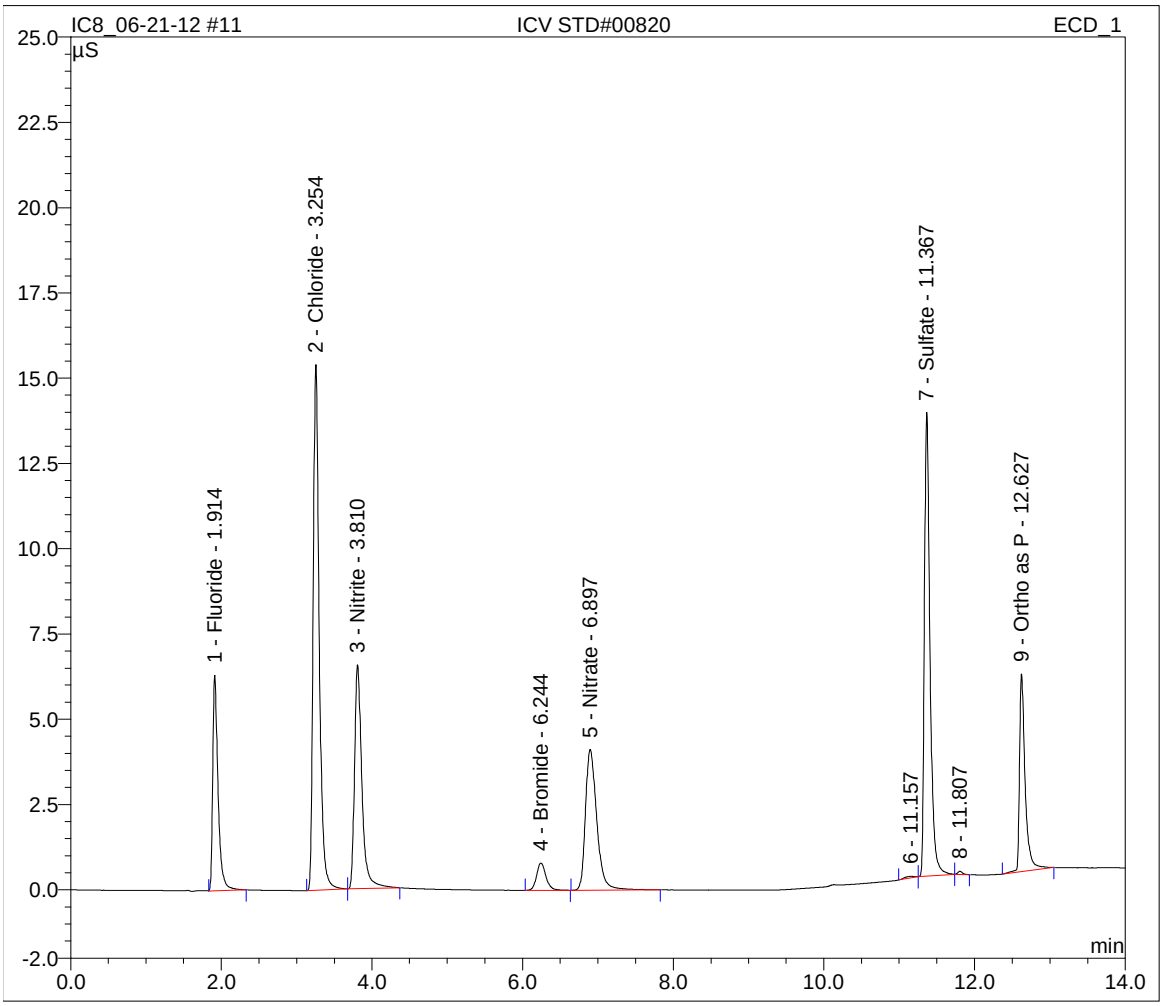
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.008	0.101	0.0103
2	3.29	Chloride	BMB	0.002	0.019	0.0781
3	11.46	Sulfate	BMb	0.037	0.106	0.0582
5	12.67	Ortho as P	BMB	0.100	0.469	-0.0954
		TOTAL:		0.15	0.69	0.05



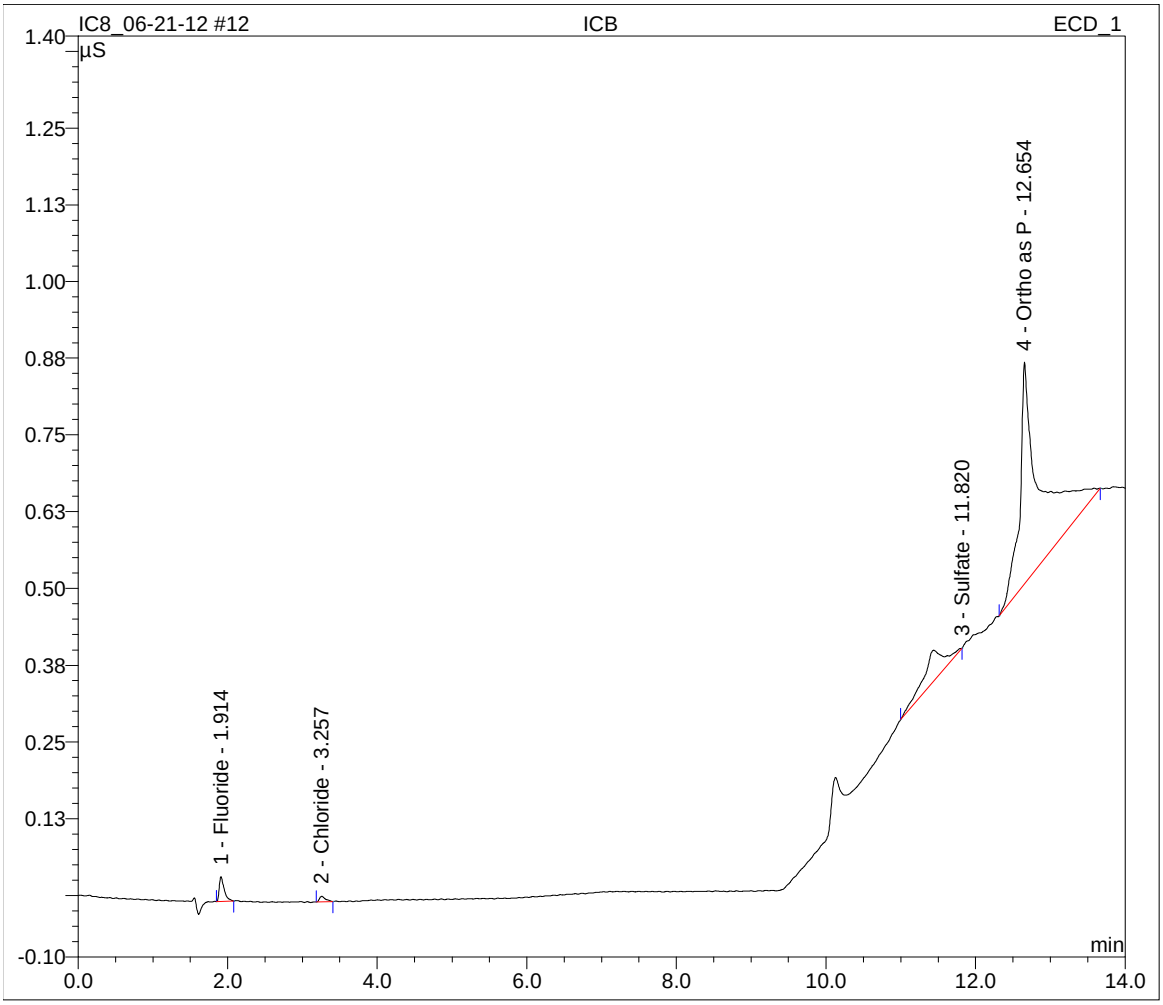
Sample Name:	**ICV STD#00820**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 09:29**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.516	6.322	2.1924
2	3.25	Chloride	BMb	1.433	15.409	10.5650
3	3.81	Nitrite	bMB	0.742	6.572	2.0515
4	6.24	Bromide	BMB	0.115	0.799	2.0405
5	6.90	Nitrate	BMB	0.717	4.127	2.1107
7	11.37	Sulfate	bMb	1.175	13.593	10.7330
9	12.63	Ortho as P	BMB	0.502	5.798	2.0332
		TOTAL:		5.20	52.62	31.73



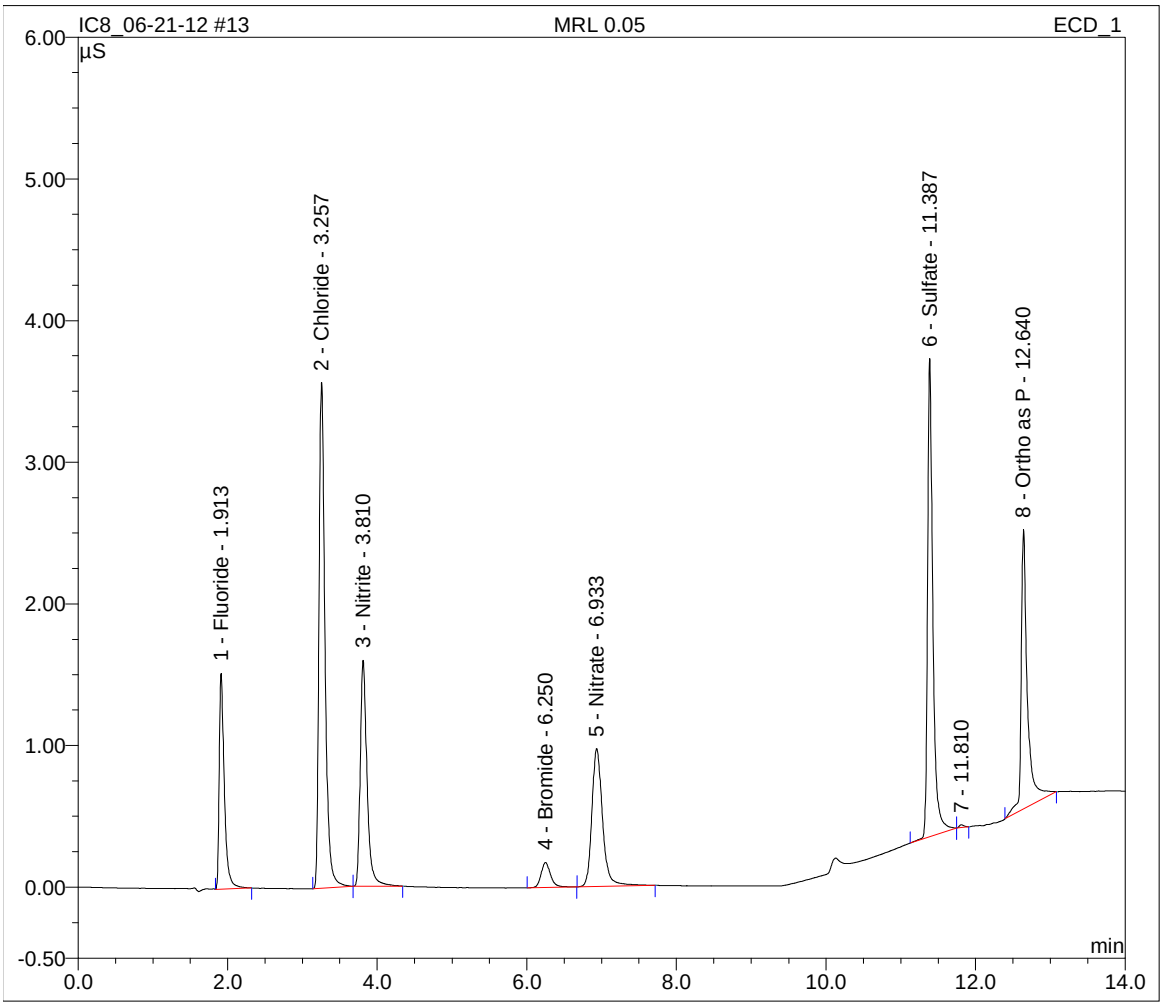
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 09:46**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.003	0.040	-0.0095
2	3.26	Chloride	BMB	0.001	0.009	0.0714
3	11.82	Sulfate	BMB	0.016	0.000	-0.1453
4	12.65	Ortho as P	BMB	0.117	0.361	-0.0073
TOTAL:				0.14	0.41	-0.09



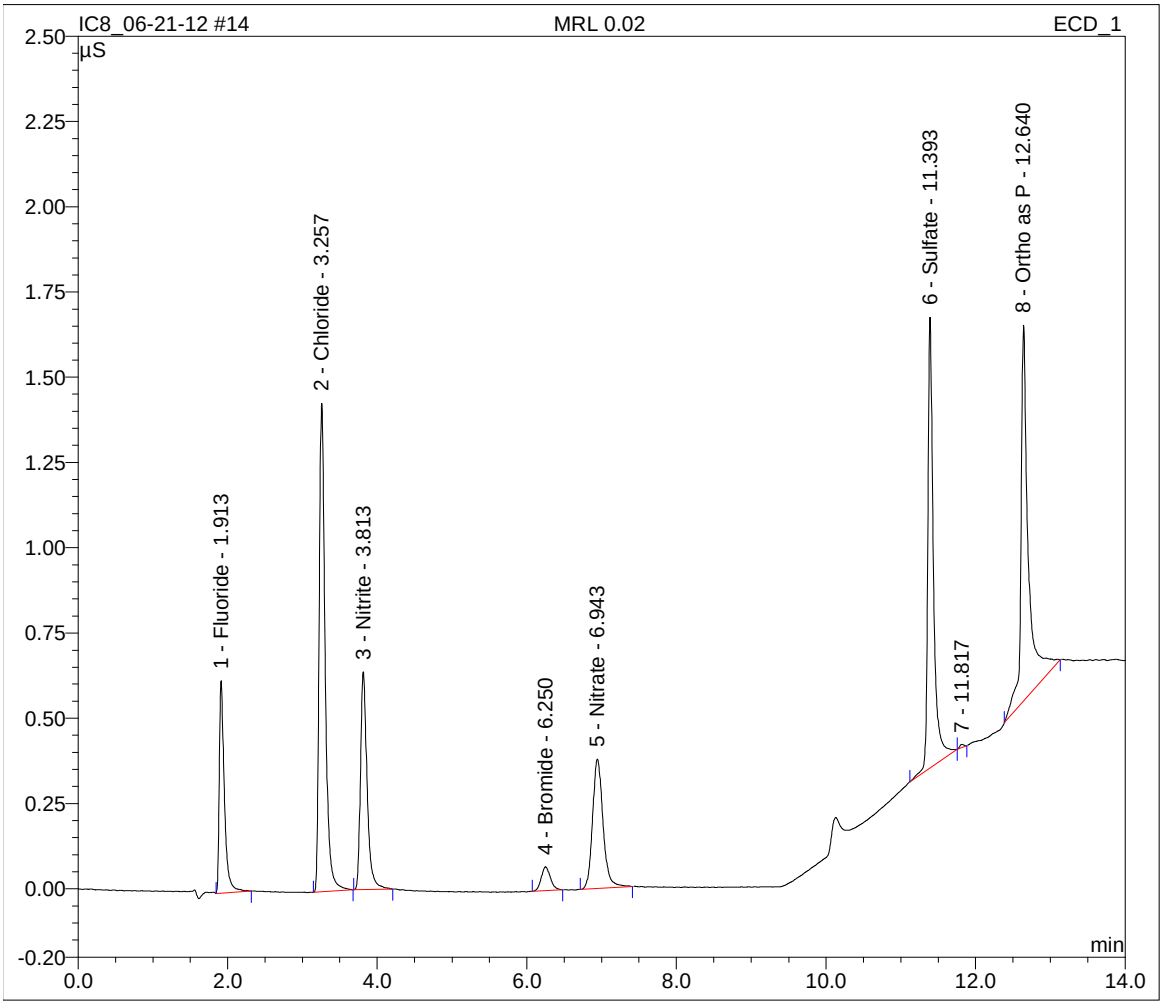
Sample Name:	**MRL 0.05**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 10:03**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.122	1.525	0.4999
2	3.26	Chloride	BMB	0.333	3.568	2.5080
3	3.81	Nitrite	bMB	0.168	1.597	0.4904
4	6.25	Bromide	BMB	0.026	0.177	0.4992
5	6.93	Nitrate	BMB	0.161	0.973	0.5011
6	11.39	Sulfate	BMB	0.279	3.375	2.3277
8	12.64	Ortho as P	BMB	0.189	1.973	0.3758
		TOTAL:		1.28	13.19	7.20



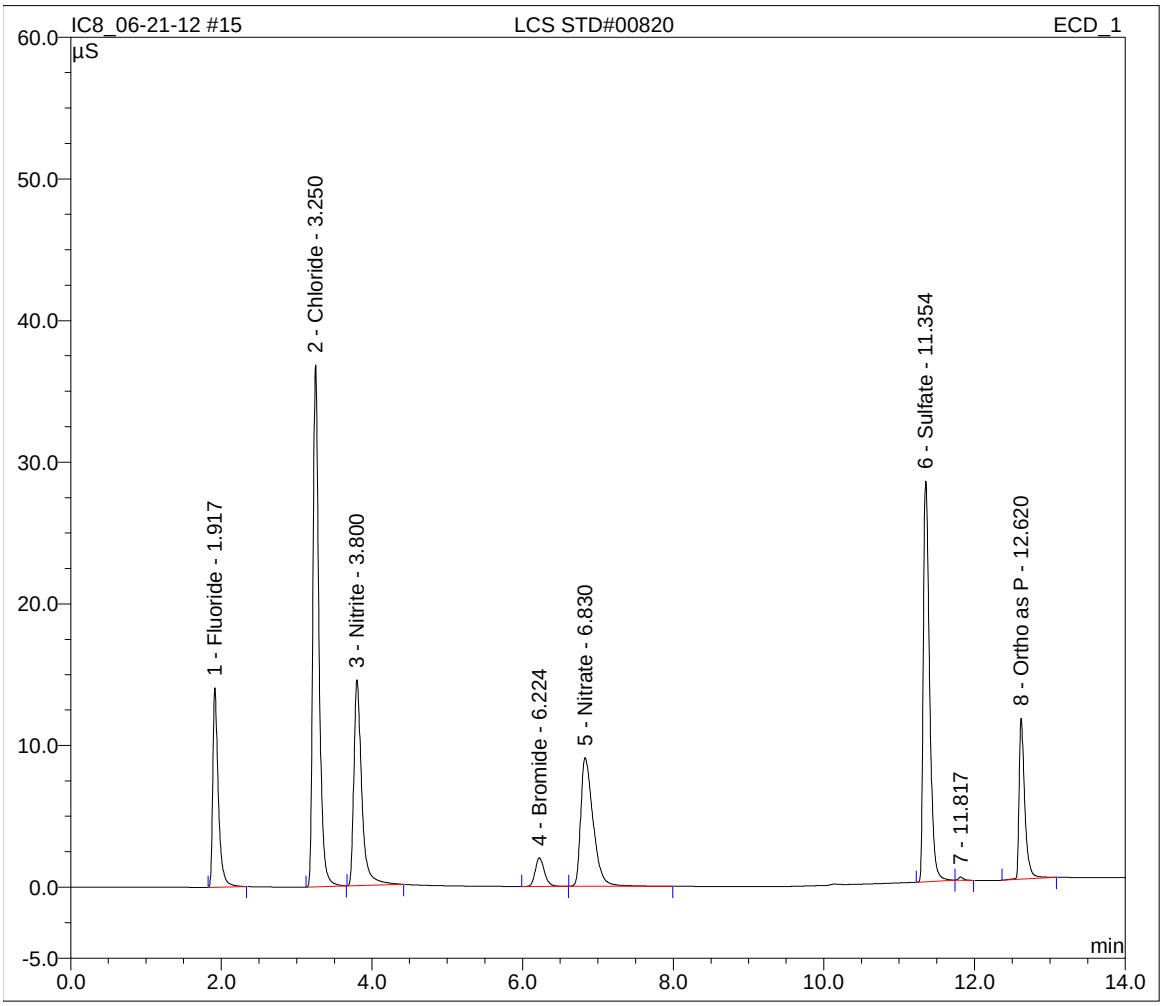
Sample Name:	**MRL 0.02**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 10:20**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.050	0.622	0.1900
2	3.26	Chloride	BMB	0.133	1.432	1.0414
3	3.81	Nitrite	BMB	0.065	0.639	0.2111
4	6.25	Bromide	BMB	0.010	0.070	0.2195
5	6.94	Nitrate	BMB	0.062	0.379	0.2129
6	11.39	Sulfate	BMB	0.115	1.322	0.7882
8	12.64	Ortho as P	BMB	0.127	1.103	0.0471
TOTAL:				0.56	5.57	2.71



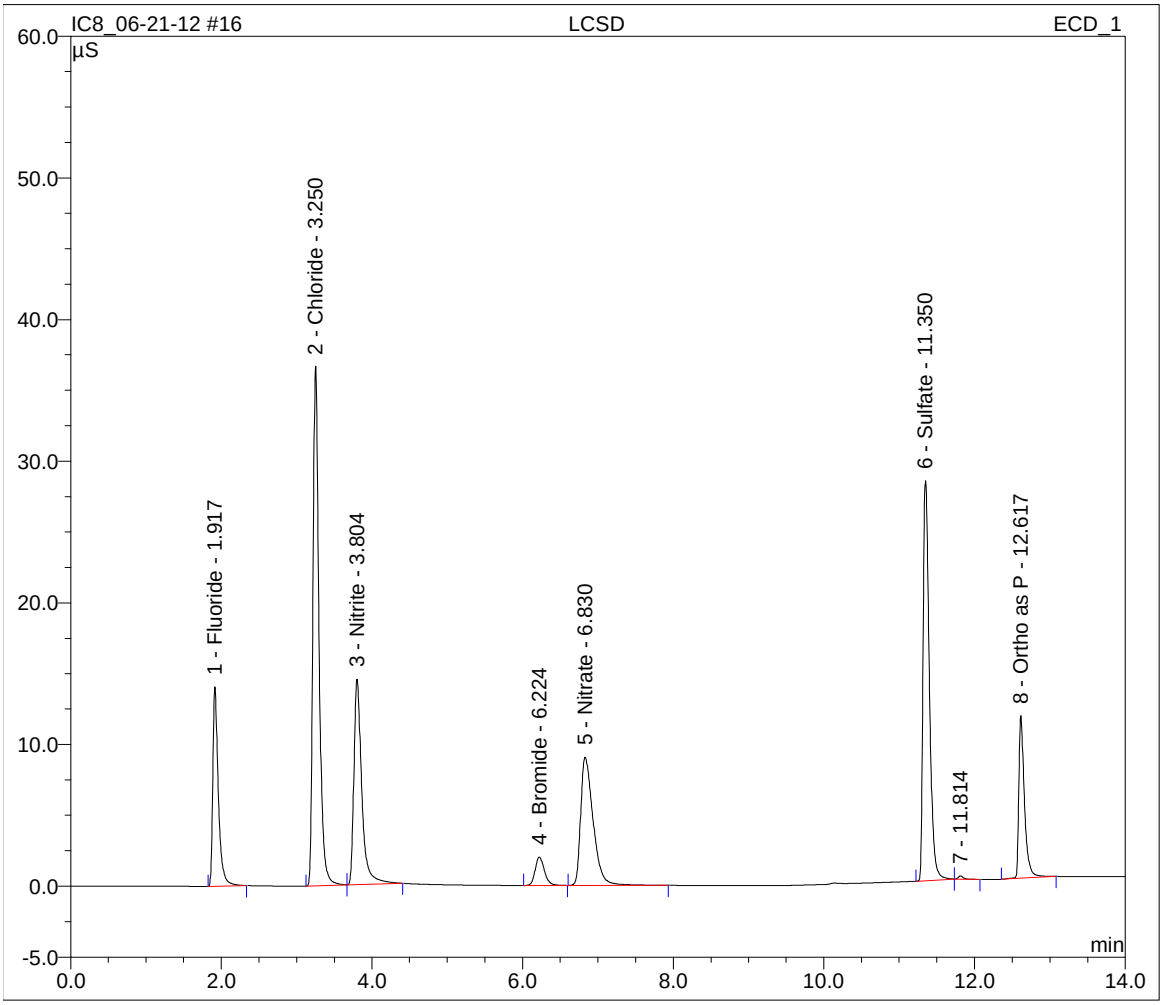
Sample Name:	**LCS STD#00820**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 10:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.194	14.073	5.1046
2	3.25	Chloride	BMB	3.430	36.837	25.1923
3	3.80	Nitrite	BMB	1.755	14.517	4.8062
4	6.22	Bromide	BMB	0.287	2.017	5.0100
5	6.83	Nitrate	BMB	1.732	9.084	5.0462
6	11.35	Sulfate	BMb	2.736	28.286	25.3917
8	12.62	Ortho as P	BMB	0.985	11.362	4.5930
		TOTAL:		12.12	116.18	75.14



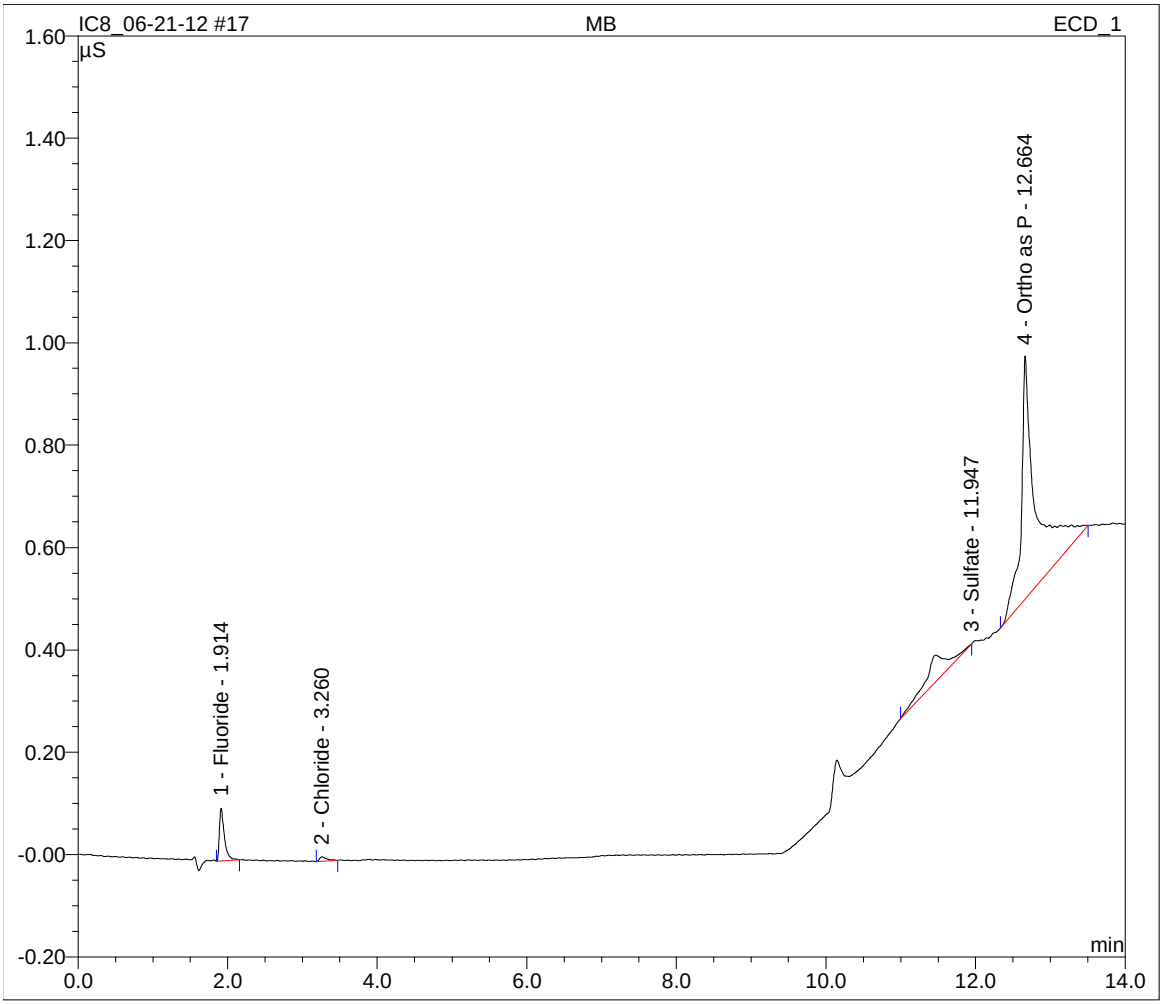
Sample Name:	**LCSD**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 10:53**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.195	14.075	5.1095
2	3.25	Chloride	BMB	3.425	36.668	25.1577
3	3.80	Nitrite	bMB	1.750	14.488	4.7924
4	6.22	Bromide	BMB	0.287	2.010	5.0090
5	6.83	Nitrate	BMB	1.731	9.048	5.0449
6	11.35	Sulfate	BMb	2.730	28.227	25.3346
8	12.62	Ortho as P	BMB	1.000	11.468	4.6720
		TOTAL:		12.12	115.98	75.12



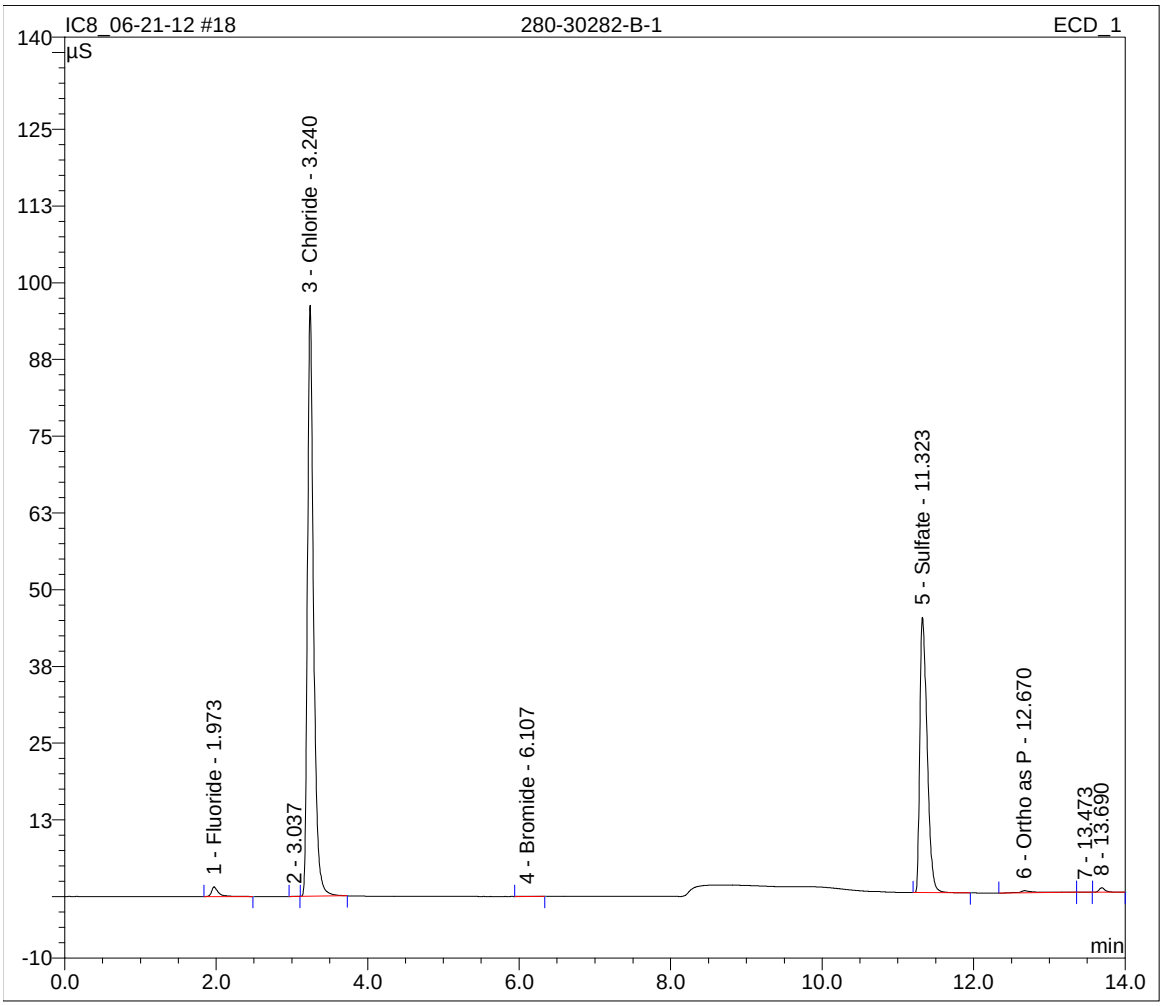
Sample Name:	**MB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 11:10**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.008	0.103	0.0114
2	3.26	Chloride	BMB	0.001	0.009	0.0723
3	11.95	Sulfate	BMB	0.016	0.000	-0.1387
4	12.66	Ortho as P	BMB	0.112	0.474	-0.0336
TOTAL:				0.14	0.59	-0.09



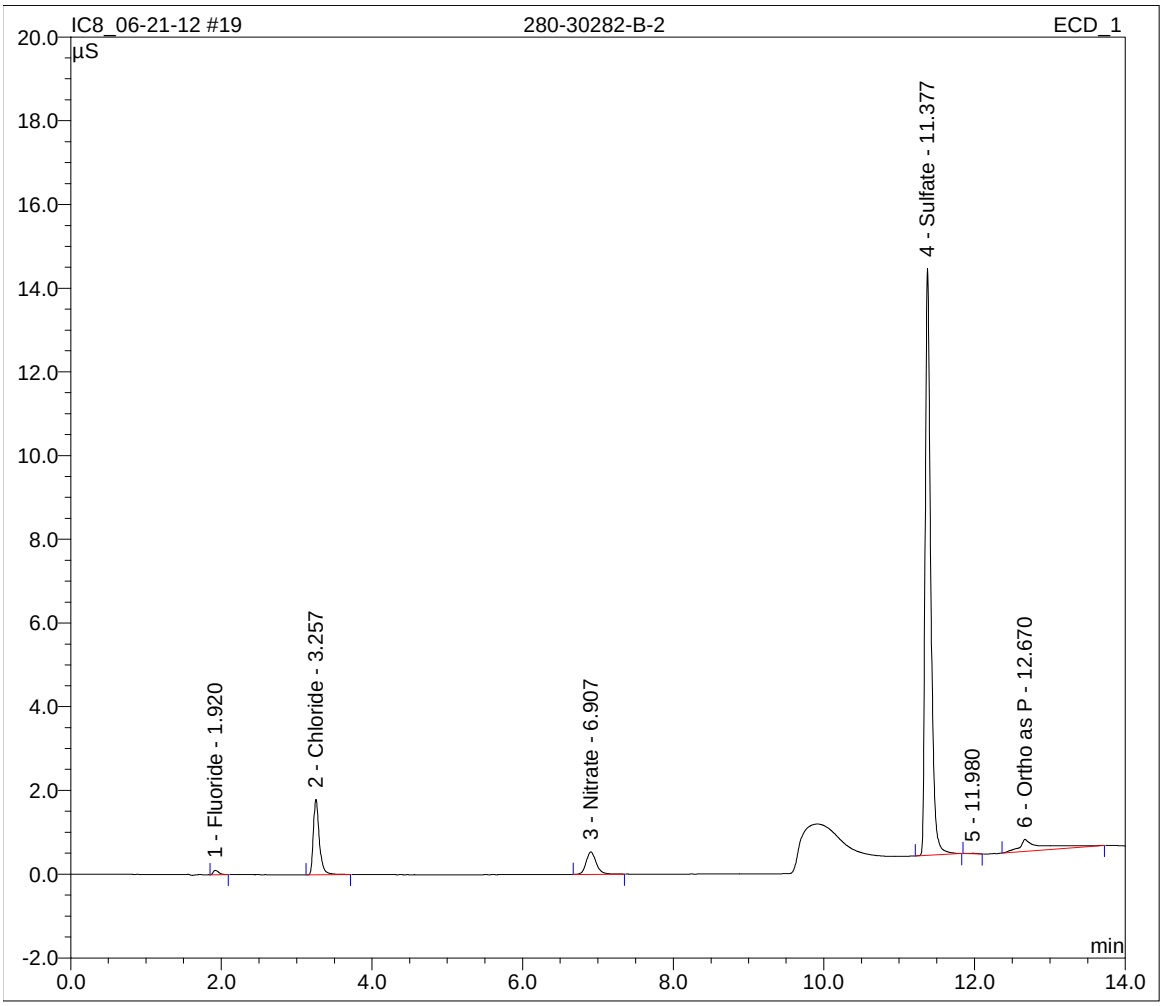
Sample Name:	**280-30282-B-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 13:16**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.97	Fluoride	BMB	0.165	1.575	0.6843
3	3.24	Chloride	BMB	9.001	96.283	66.0069
4	6.11	Bromide	BMB	0.004	0.032	0.1242
5	11.32	Sulfate	BMB	5.060	44.871	47.1987
6	12.67	Ortho as P	BMB	0.082	0.351	-0.1879
		TOTAL:		14.31	143.11	113.83



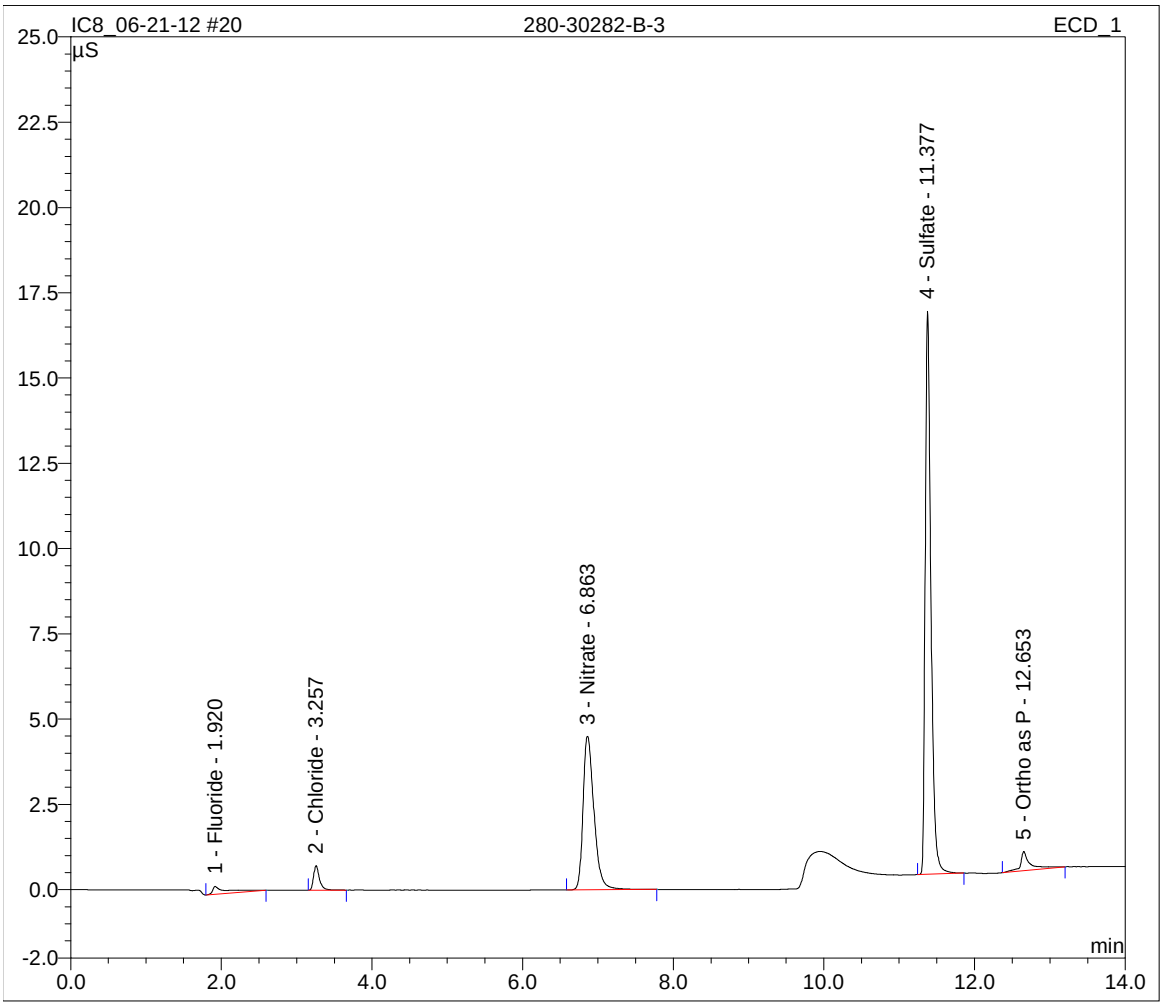
Sample Name:	**280-30282-B-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 13:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.009	0.104	0.0138
2	3.26	Chloride	BMB	0.165	1.797	1.2738
3	6.91	Nitrate	BMB	0.083	0.535	0.2751
4	11.38	Sulfate	BMB	1.197	14.022	10.9467
6	12.67	Ortho as P	BMB	0.101	0.286	-0.0878
		TOTAL:		1.56	16.74	12.42



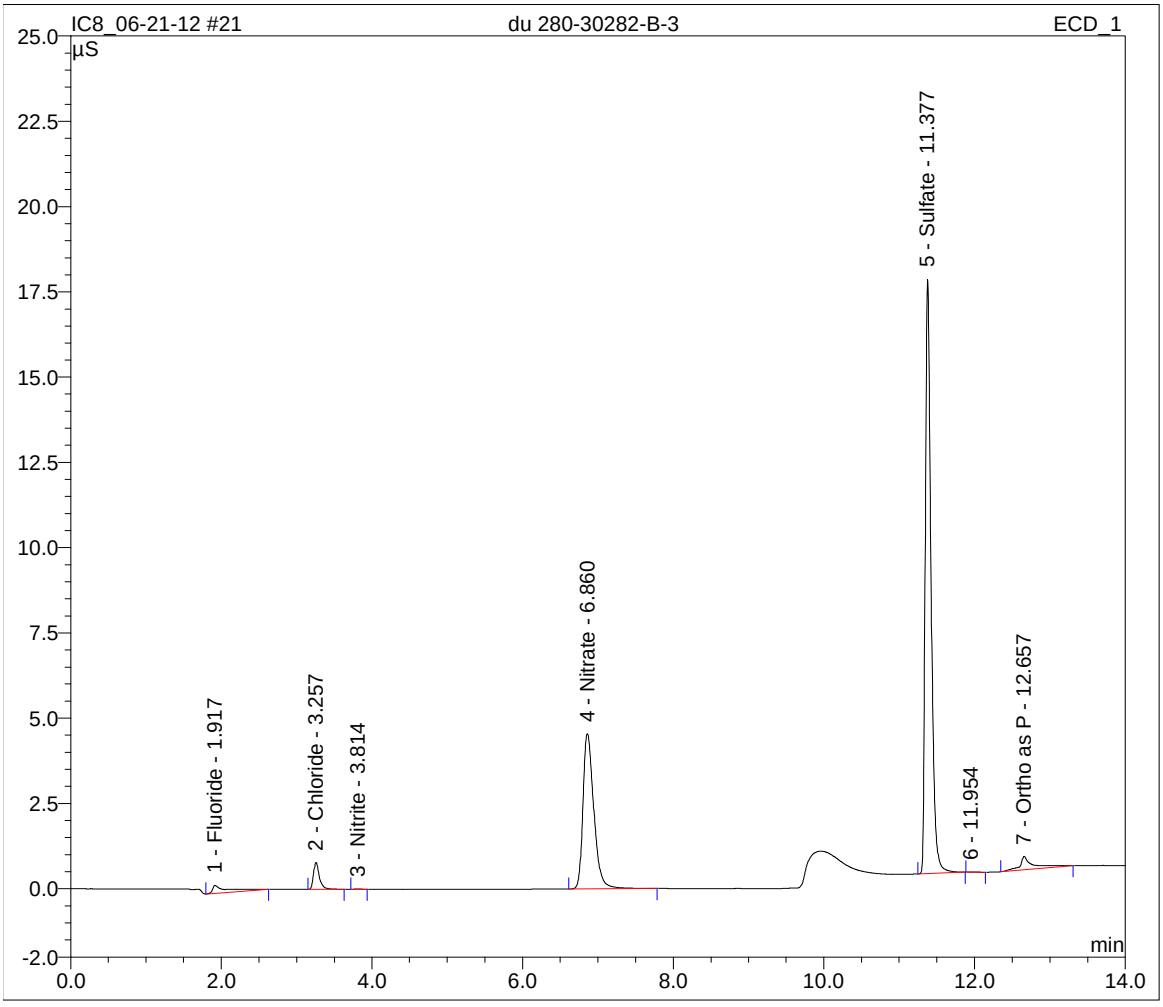
Sample Name:	**280-30282-B-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 13:50**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.052	0.230	0.1990
2	3.26	Chloride	BMB	0.065	0.717	0.5431
3	6.86	Nitrate	BMB	0.757	4.498	2.2248
4	11.38	Sulfate	BMB	1.456	16.512	13.3770
5	12.65	Ortho as P	BMB	0.084	0.566	-0.1798
		TOTAL:		2.41	22.52	16.16



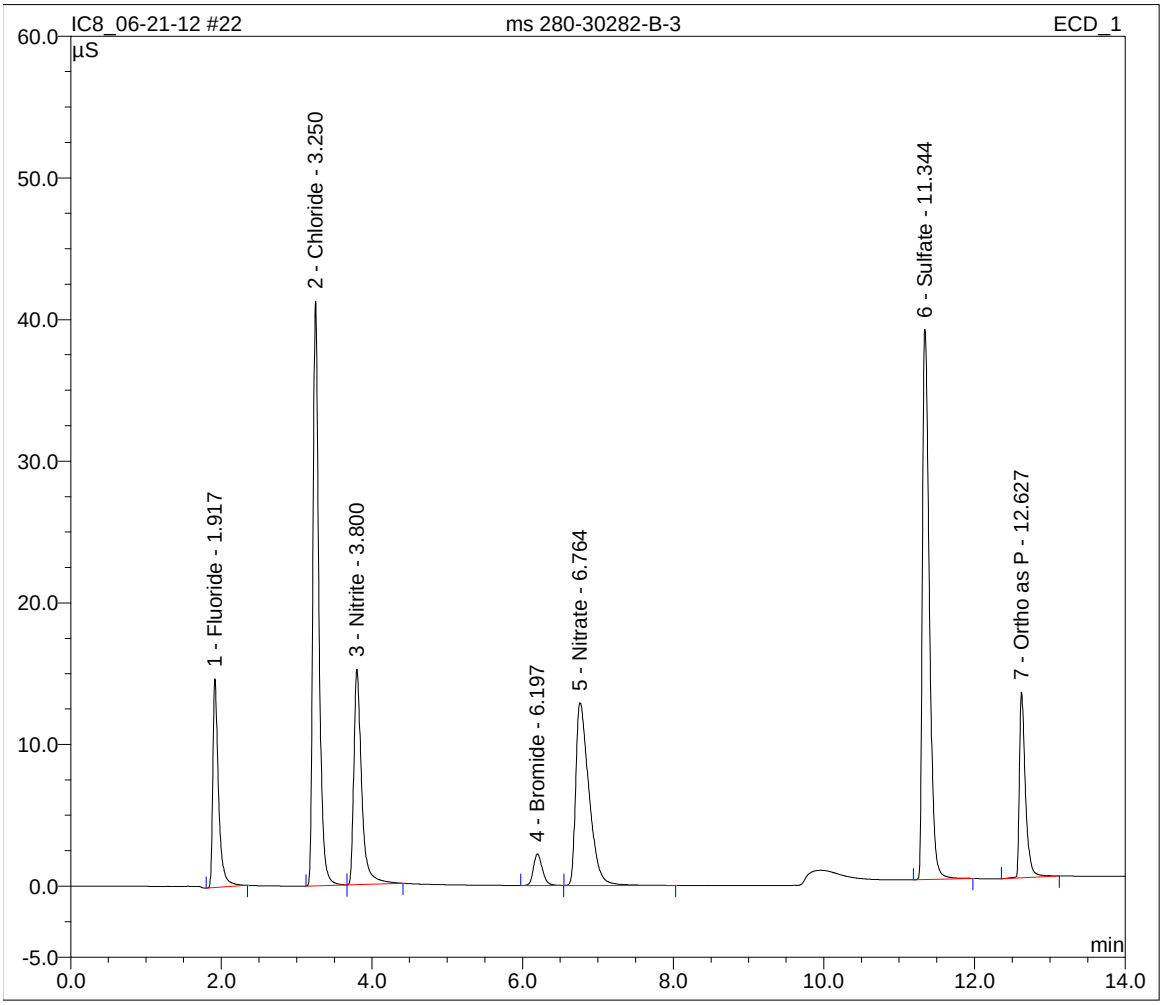
Sample Name:	**du 280-30282-B-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 14:06**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.055	0.235	0.2140
2	3.26	Chloride	BMB	0.071	0.784	0.5853
3	3.81	Nitrite	BMB	0.001	0.008	0.0352
4	6.86	Nitrate	BMB	0.760	4.544	2.2353
5	11.38	Sulfate	BMB	1.553	17.430	14.2859
7	12.66	Ortho as P	BMB	0.078	0.394	-0.2109
		TOTAL:		2.52	23.39	17.14



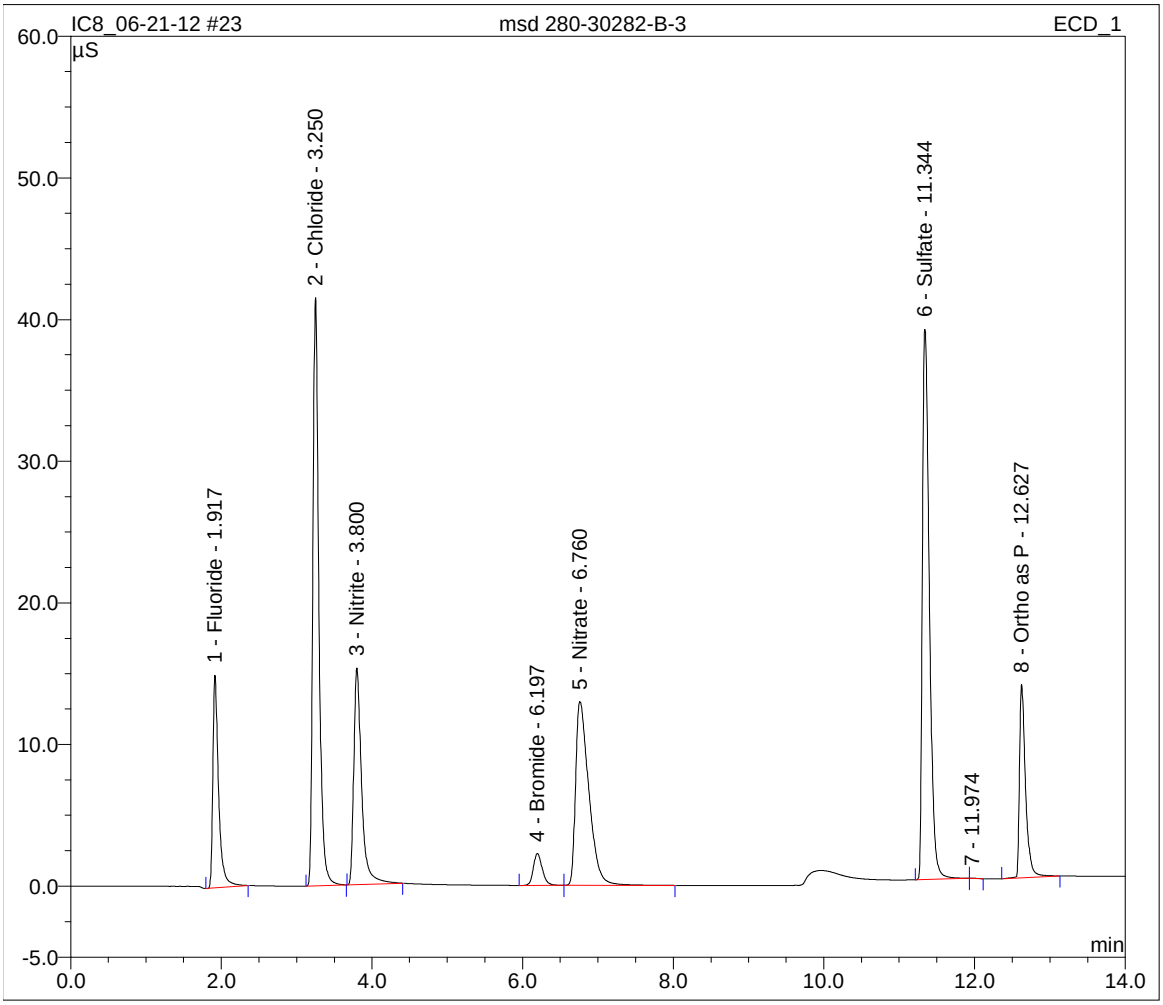
Sample Name:	**ms 280-30282-B-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 14:23**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.296	14.737	5.5414
2	3.25	Chloride	BMB	3.801	41.271	27.9129
3	3.80	Nitrite	bMB	1.824	15.208	4.9919
4	6.20	Bromide	BMB	0.306	2.231	5.3491
5	6.76	Nitrate	BMB	2.624	12.879	7.6292
6	11.34	Sulfate	BMB	4.181	38.843	38.9528
7	12.63	Ortho as P	BMB	1.205	13.090	5.7579
		TOTAL:		15.24	138.26	96.14



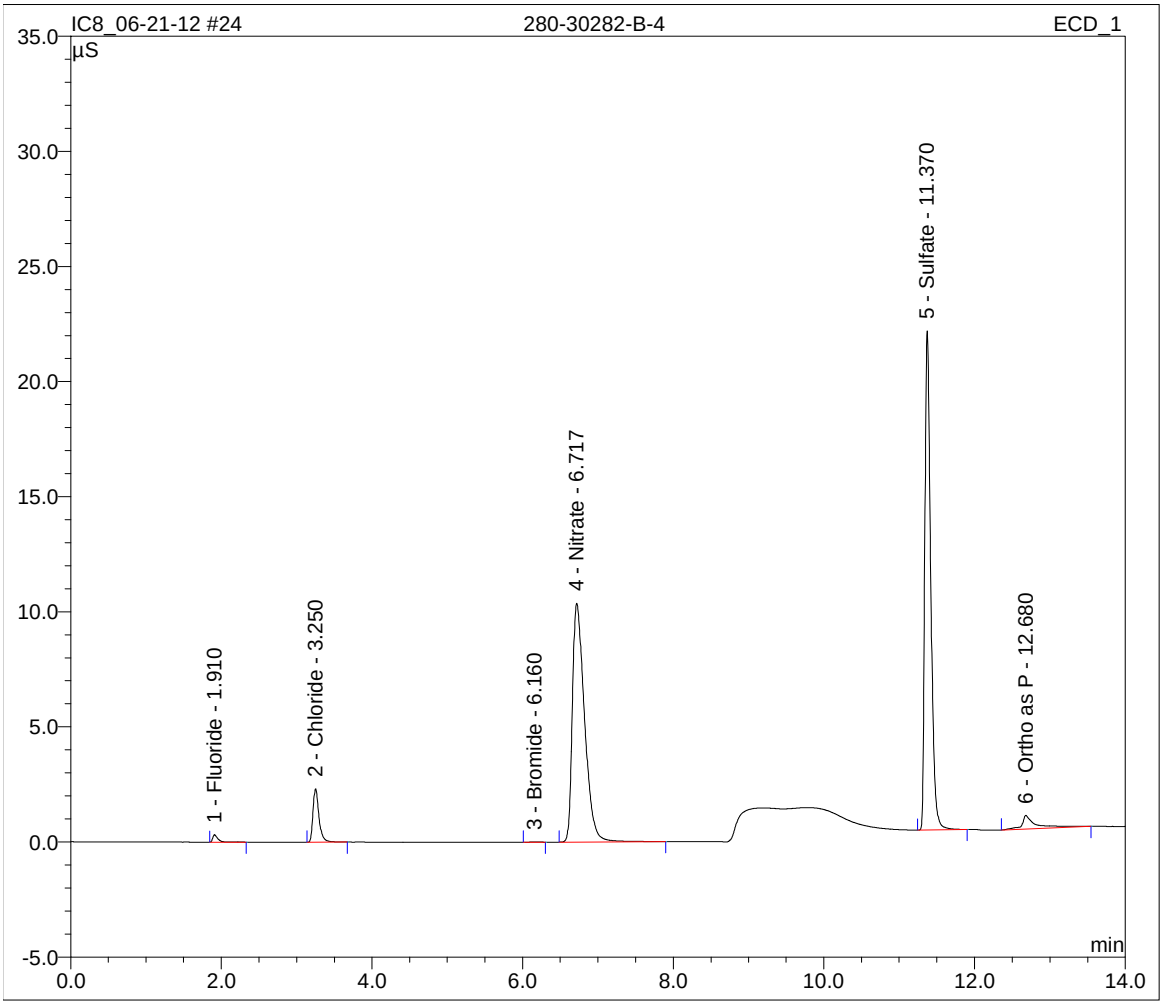
Sample Name:	**msd 280-30282-B-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 14:40**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.324	15.015	5.6654
2	3.25	Chloride	BMB	3.828	41.531	28.1115
3	3.80	Nitrite	BMB	1.839	15.309	5.0326
4	6.20	Bromide	BMB	0.309	2.257	5.4001
5	6.76	Nitrate	BMB	2.640	12.953	7.6737
6	11.34	Sulfate	BMb	4.195	38.857	39.0797
8	12.63	Ortho as P	BMB	1.266	13.629	6.0785
		TOTAL:		15.40	139.55	97.04



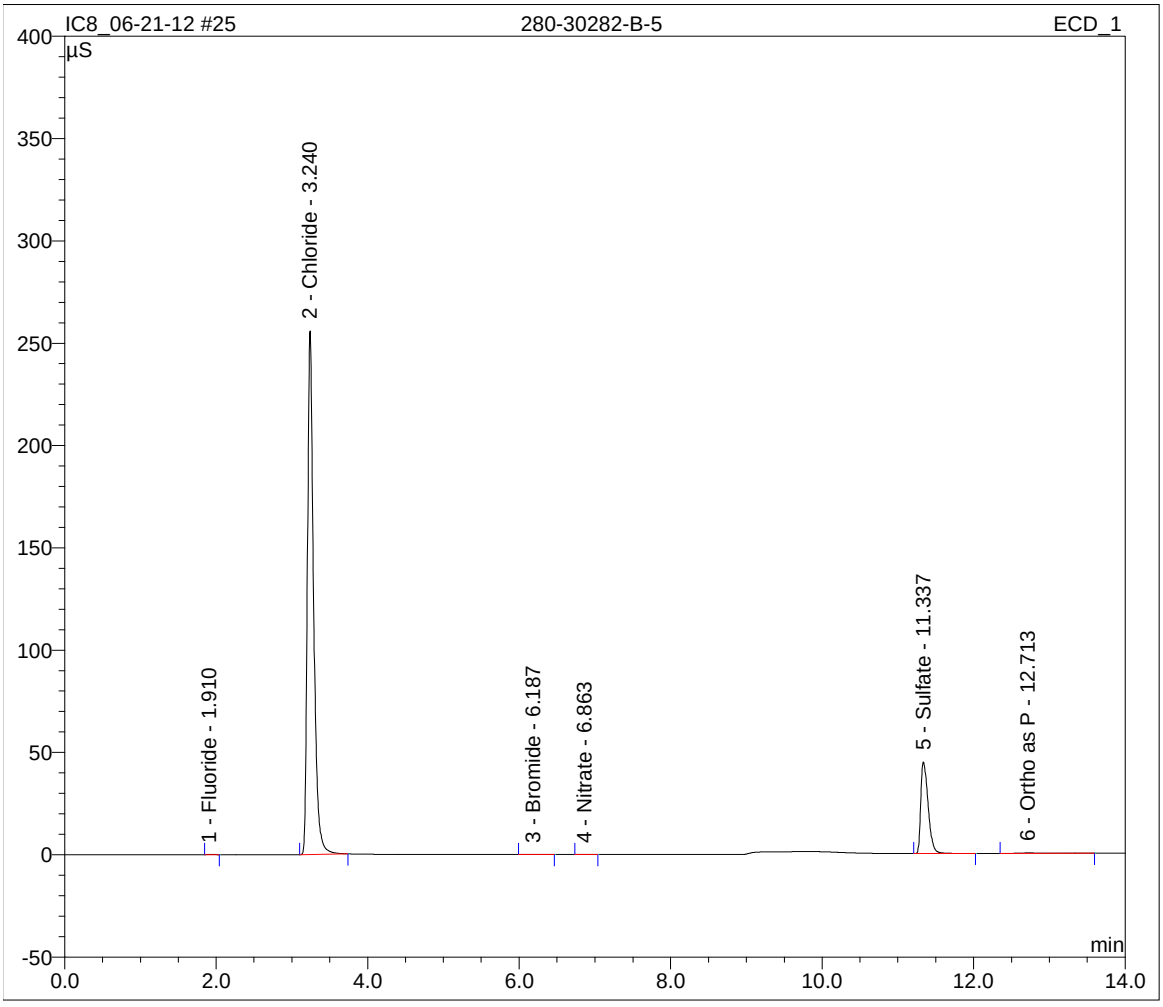
Sample Name:	**280-30282-B-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 14:57**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.027	0.327	0.0927
2	3.25	Chloride	BMB	0.212	2.319	1.6217
3	6.16	Bromide	BMB	0.001	0.010	0.0695
4	6.72	Nitrate	BMB	1.943	10.373	5.6577
5	11.37	Sulfate	BMB	1.986	21.688	18.3492
6	12.68	Ortho as P	BMB	0.129	0.591	0.0589
		TOTAL:		4.30	35.31	25.85



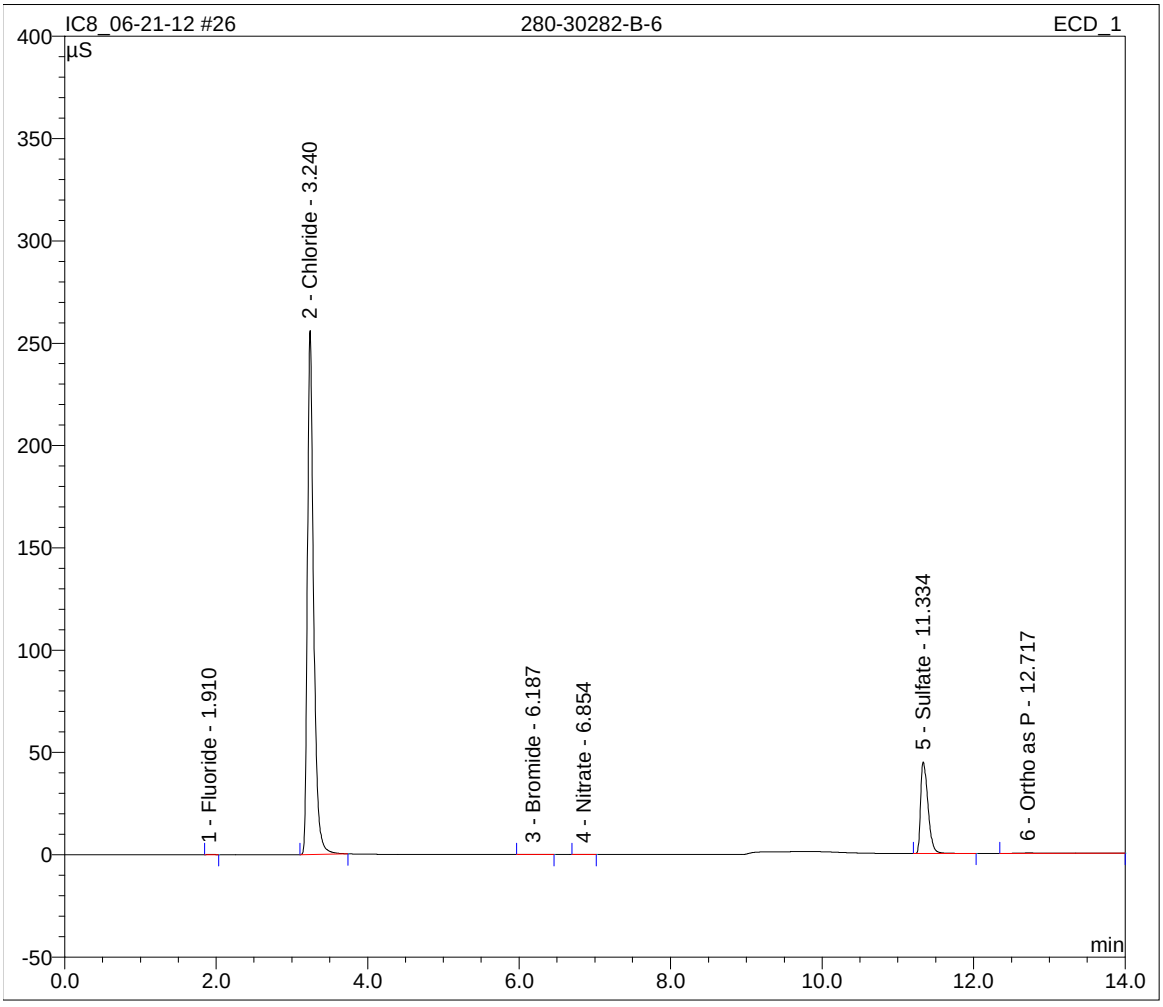
Sample Name:	**280-30282-B-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 15:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.008	0.108	0.0121
2	3.24	Chloride	BMB	24.337	255.971	178.3664
3	6.19	Bromide	BMB	0.007	0.052	0.1743
4	6.86	Nitrate	BMB	0.002	0.011	0.0391
5	11.34	Sulfate	BMB	5.052	44.722	47.1266
6	12.71	Ortho as P	BMB	0.103	0.315	-0.0784
		TOTAL:		29.51	301.18	225.64



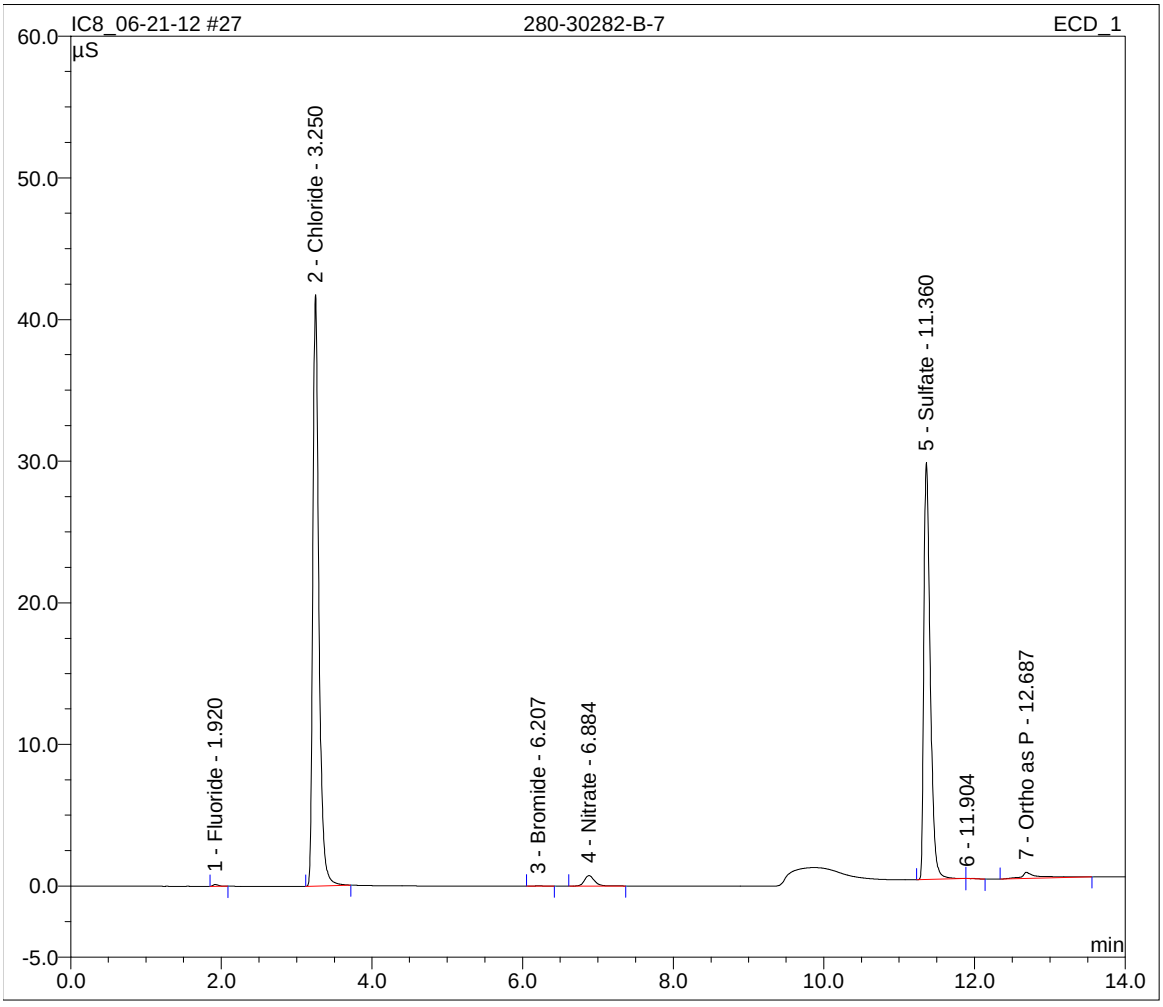
Sample Name:	**280-30282-B-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 15:30**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.006	0.085	0.0047
2	3.24	Chloride	BMB	24.353	256.060	178.4849
3	6.19	Bromide	BMB	0.008	0.054	0.1790
4	6.85	Nitrate	BMB	0.003	0.020	0.0425
5	11.33	Sulfate	BMB	5.065	44.749	47.2516
6	12.72	Ortho as P	BMB	0.144	0.277	0.1397
		TOTAL:		29.58	301.24	226.10



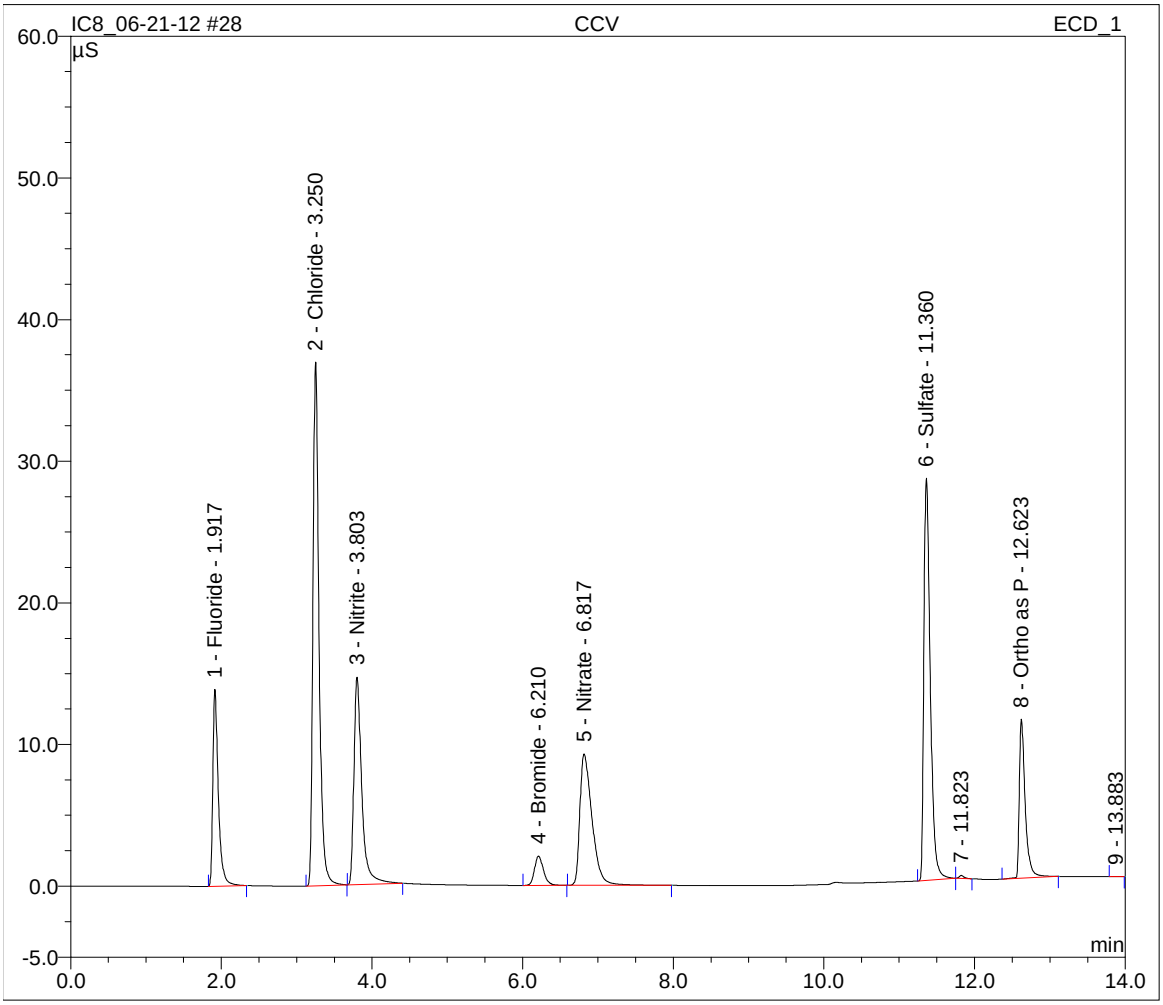
Sample Name:	**280-30282-B-7**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 15:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.011	0.128	0.0225
2	3.25	Chloride	BMB	3.873	41.750	28.4415
3	6.21	Bromide	BMB	0.002	0.012	0.0771
4	6.88	Nitrate	BMB	0.114	0.739	0.3654
5	11.36	Sulfate	BMb	2.897	29.440	26.9001
7	12.69	Ortho as P	BMB	0.109	0.438	-0.0465
		TOTAL:		7.01	72.51	55.76



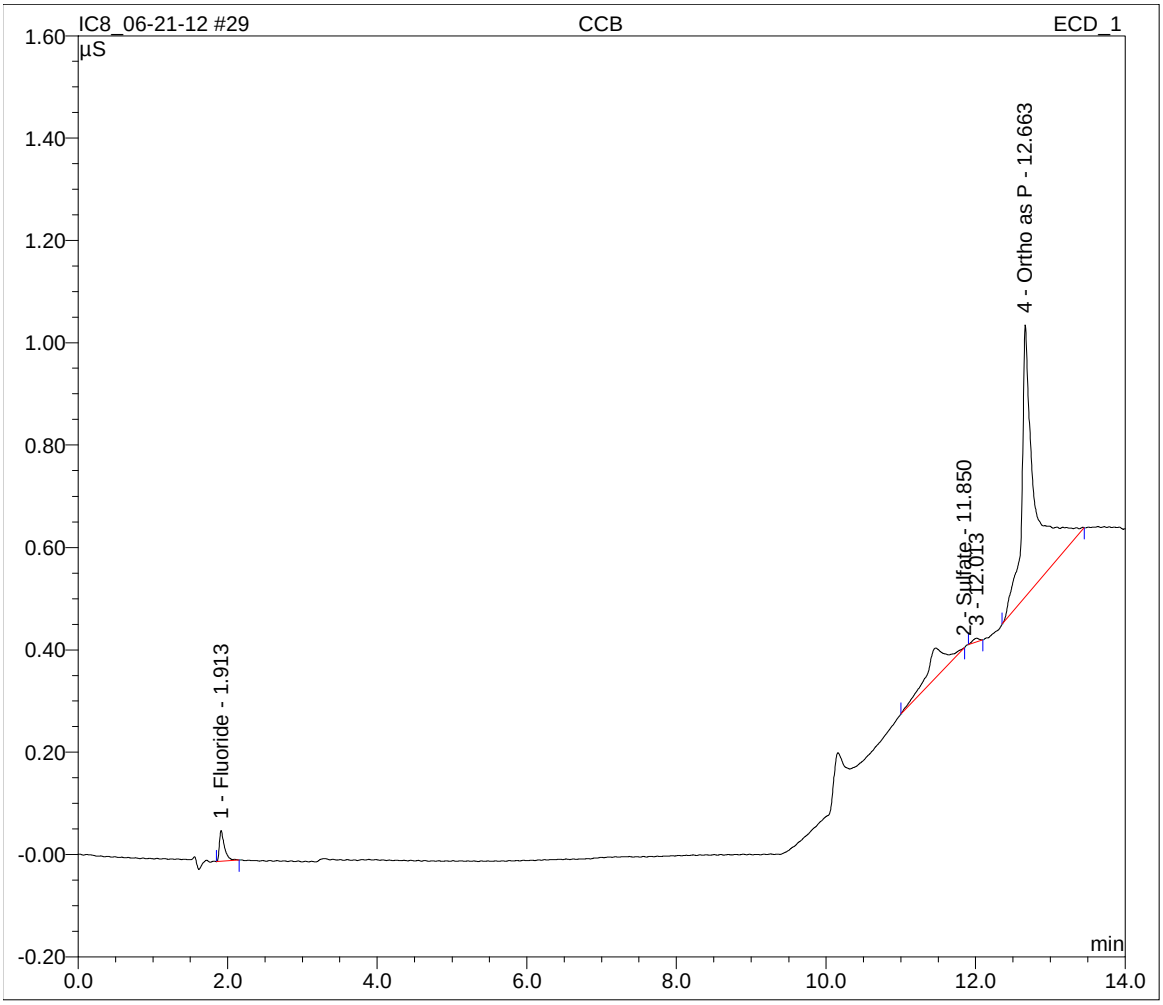
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 16:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.179	13.883	5.0415
2	3.25	Chloride	BMB	3.431	36.966	25.2032
3	3.80	Nitrite	BMB	1.763	14.633	4.8281
4	6.21	Bromide	BMB	0.288	2.070	5.0303
5	6.82	Nitrate	BMB	1.738	9.264	5.0646
6	11.36	Sulfate	BMb	2.797	28.382	25.9638
8	12.62	Ortho as P	BMB	1.018	11.207	4.7683
		TOTAL:		12.22	116.41	75.90



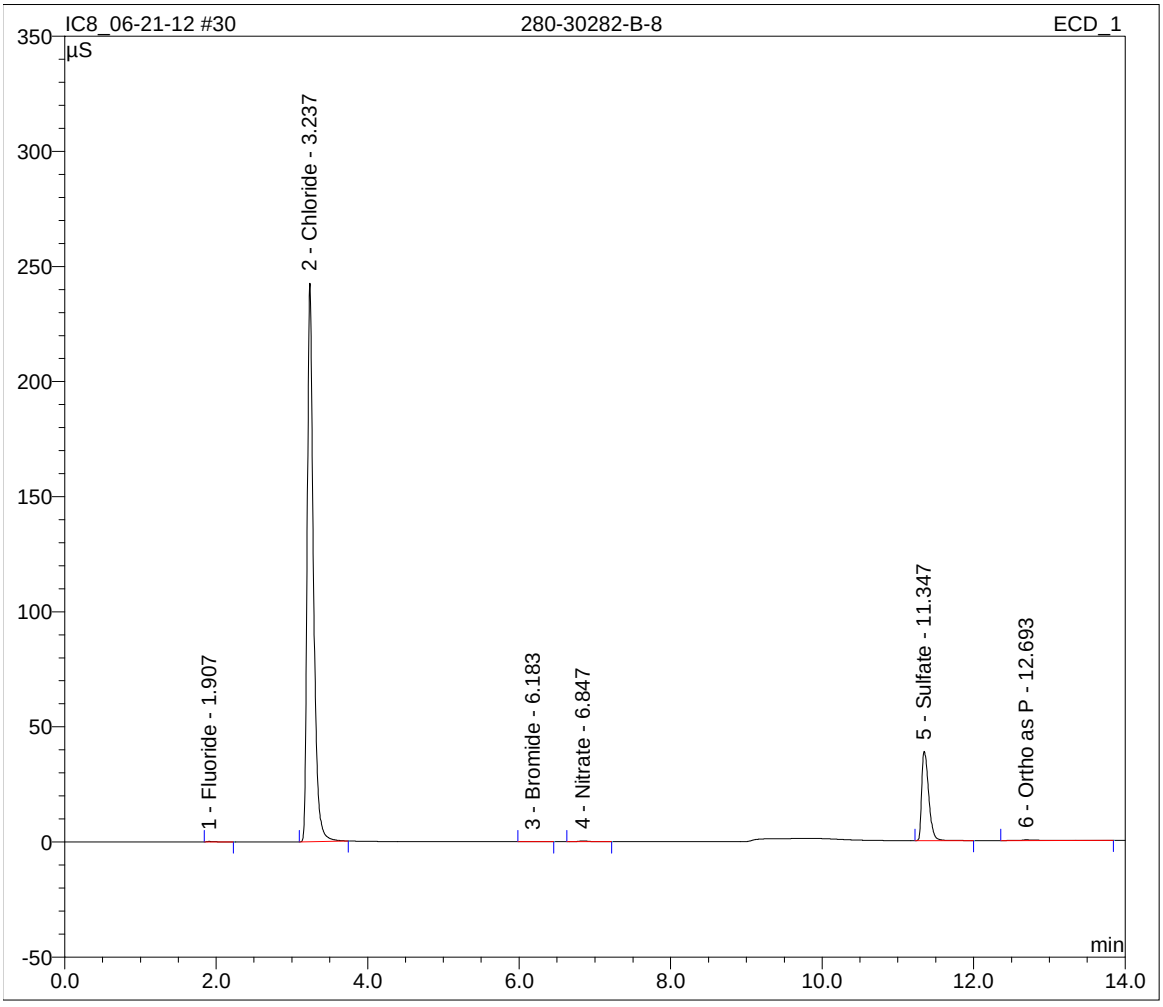
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 16:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.060	-0.0022
2	11.85	Sulfate	BMB	0.017	0.000	-0.1364
4	12.66	Ortho as P	BMB	0.112	0.532	-0.0326
		TOTAL:		0.13	0.59	-0.17



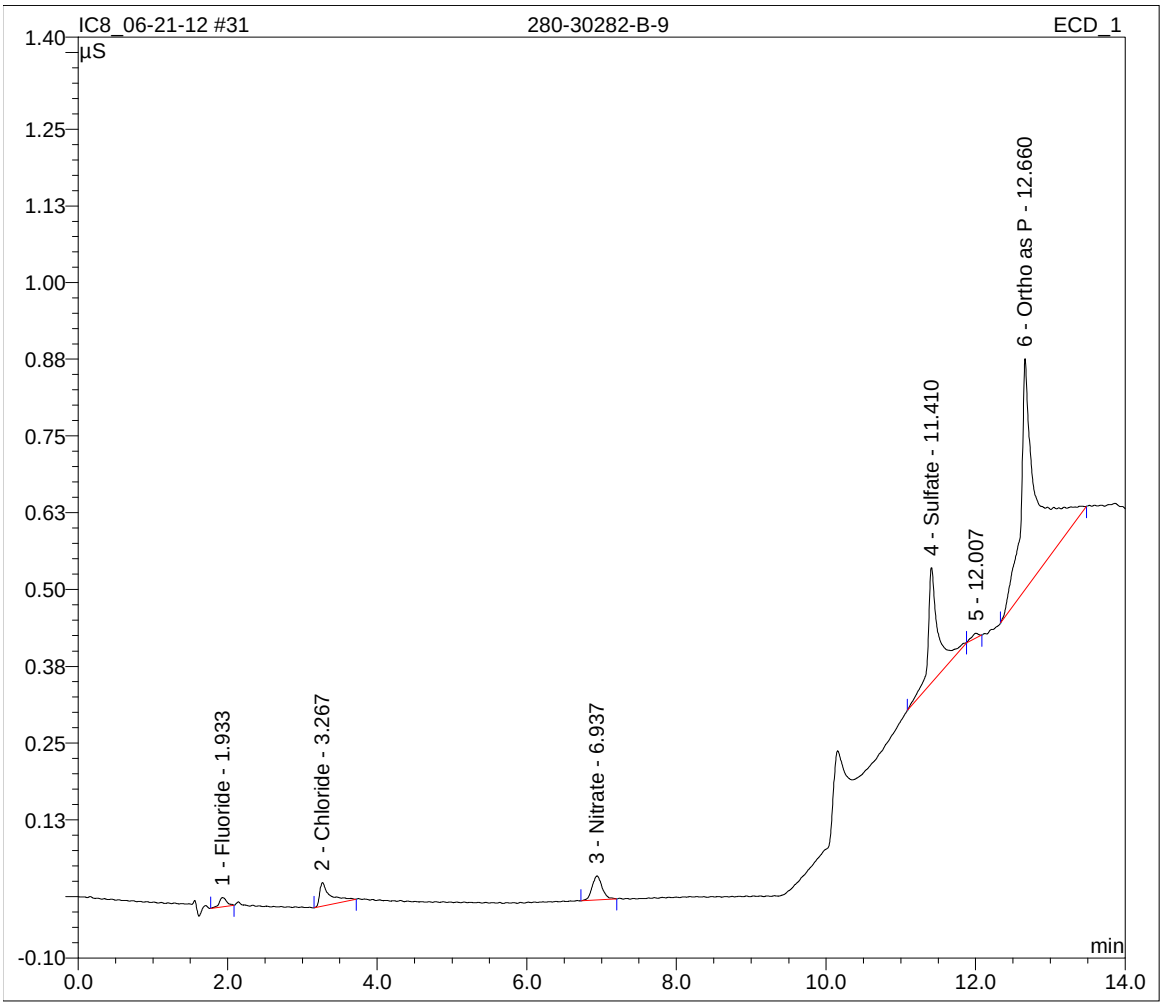
Sample Name:	**280-30282-B-8**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 16:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.014	0.169	0.0375
2	3.24	Chloride	BMB	23.180	242.705	169.8904
3	6.18	Bromide	BMB	0.012	0.090	0.2639
4	6.85	Nitrate	BMB	0.055	0.362	0.1937
5	11.35	Sulfate	BMB	4.138	38.778	38.5419
6	12.69	Ortho as P	BMB	0.119	0.323	0.0055
		TOTAL:		27.52	282.43	208.93



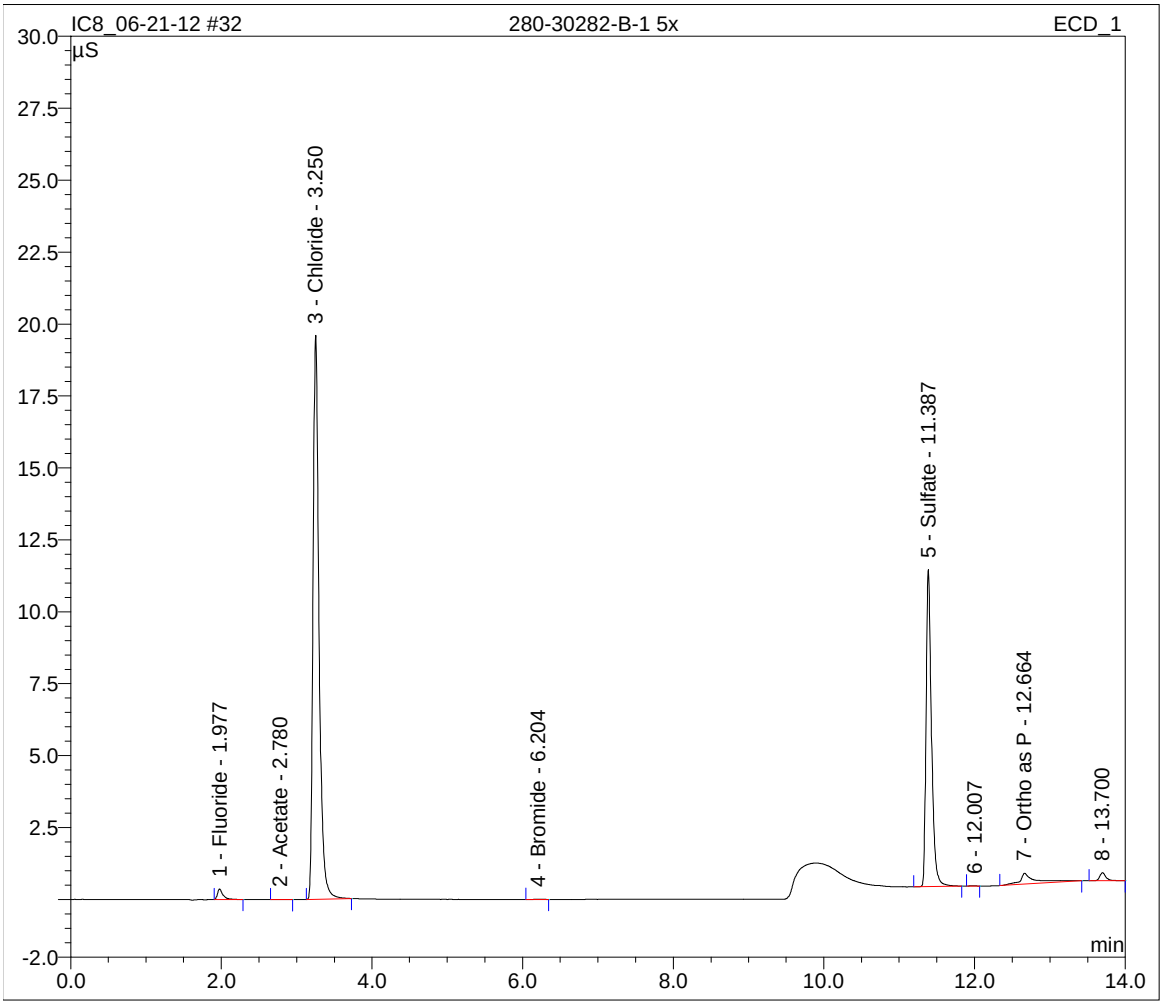
Sample Name:	**280-30282-B-9**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 16:54**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.002	0.015	-0.0152
2	3.27	Chloride	BMB	0.006	0.038	0.1115
3	6.94	Nitrate	BMB	0.006	0.039	0.0522
4	11.41	Sulfate	BMB	0.029	0.188	-0.0229
6	12.66	Ortho as P	BMB	0.097	0.377	-0.1116
		TOTAL:		0.14	0.66	0.01



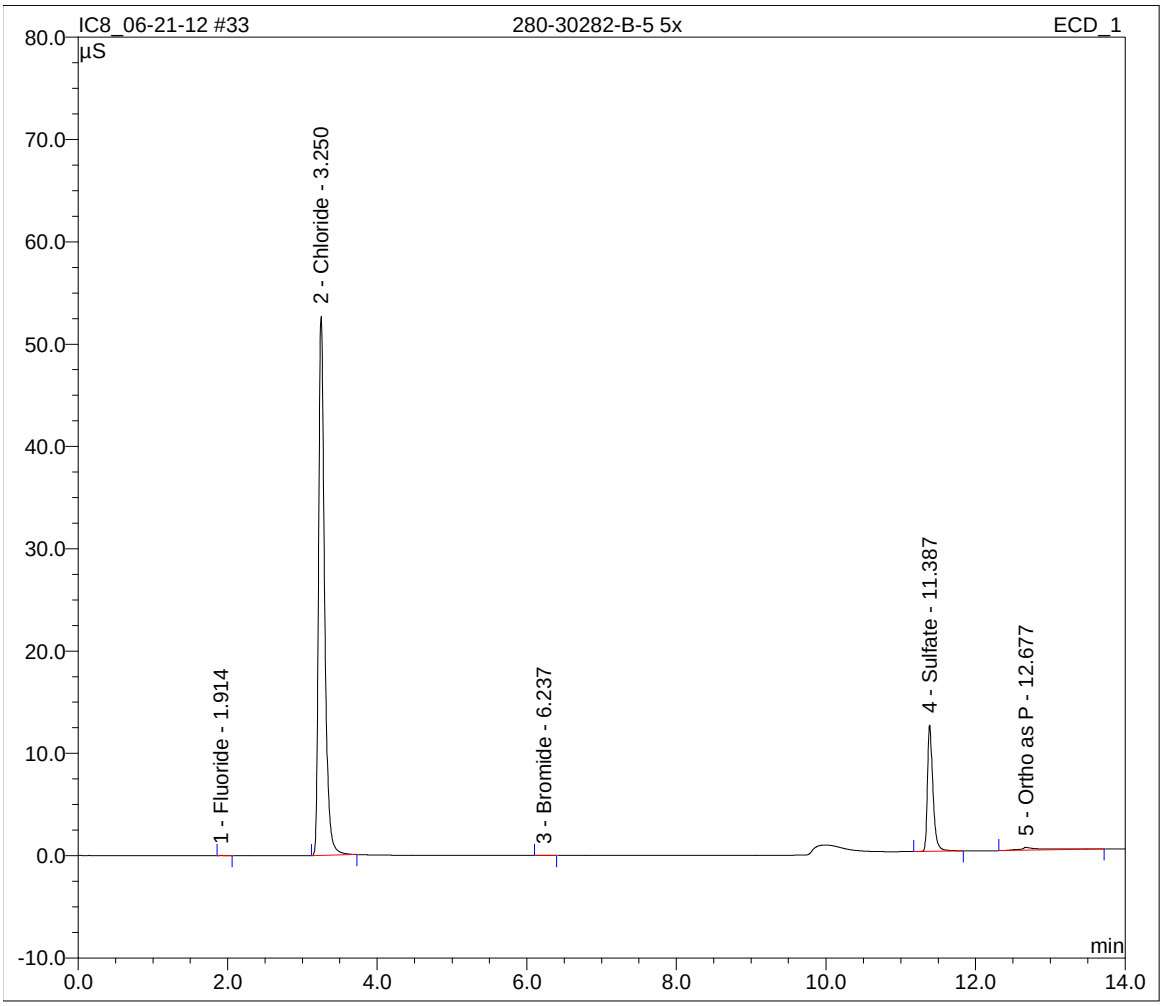
Sample Name:	**280-30282-B-1 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 17:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.98	Fluoride	BMB	0.031	0.369	0.5602
2	2.78	Acetate	BMB	0.001	0.008	n.a.
3	3.25	Chloride	BMB	1.808	19.604	66.5603
4	6.20	Bromide	BMB	0.001	0.006	0.3136
5	11.39	Sulfate	BMB	0.920	11.015	41.7220
7	12.66	Ortho as P	BMB	0.088	0.380	-0.7912
		TOTAL:		2.85	31.38	108.36



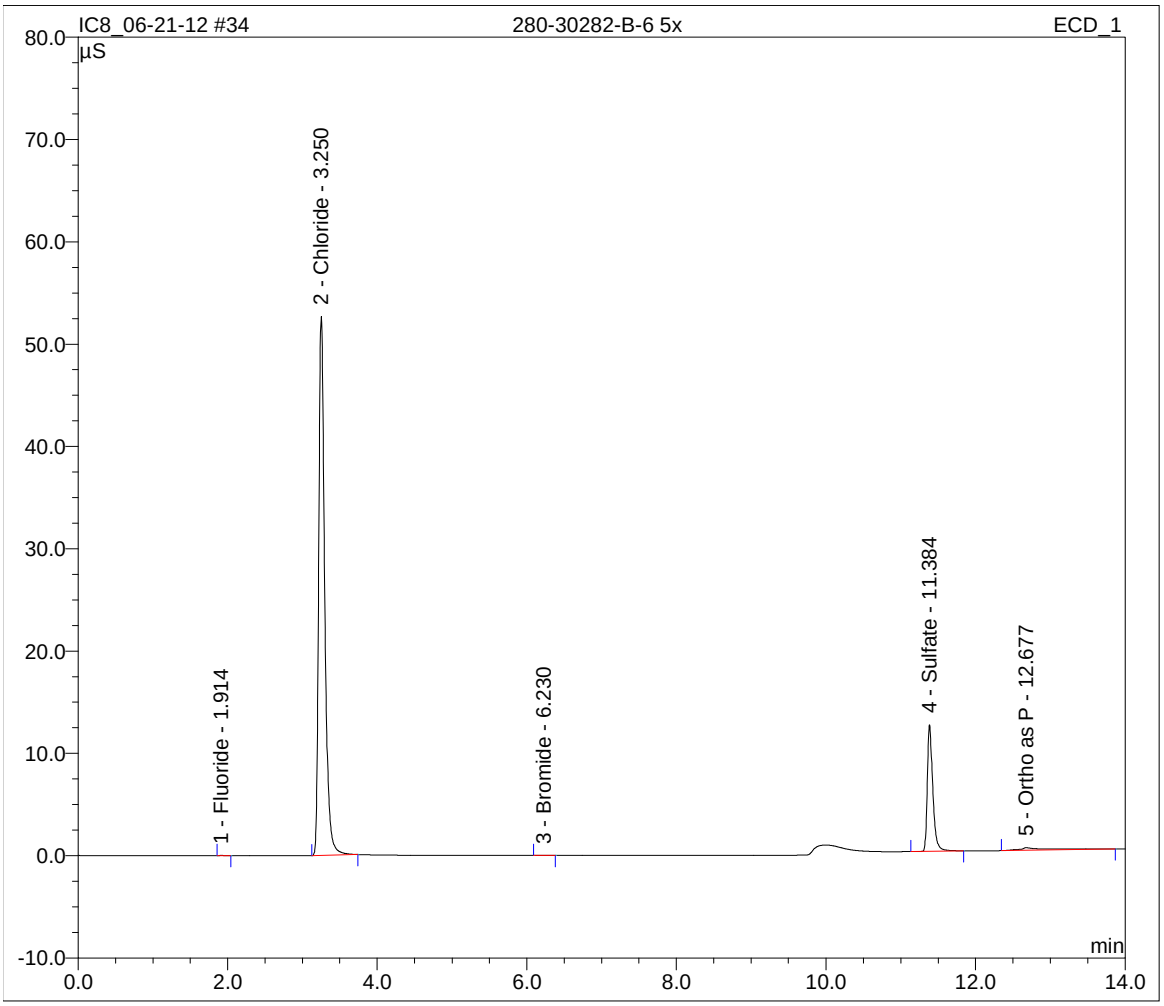
Sample Name:	**280-30282-B-5 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 17:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.001	0.018	-0.0848
2	3.25	Chloride	BMB	4.909	52.713	180.1367
3	6.24	Bromide	BMB	0.001	0.010	0.3588
4	11.39	Sulfate	BMB	1.050	12.326	47.8245
5	12.68	Ortho as P	BMB	0.103	0.280	-0.3814
		TOTAL:		6.07	65.35	227.85



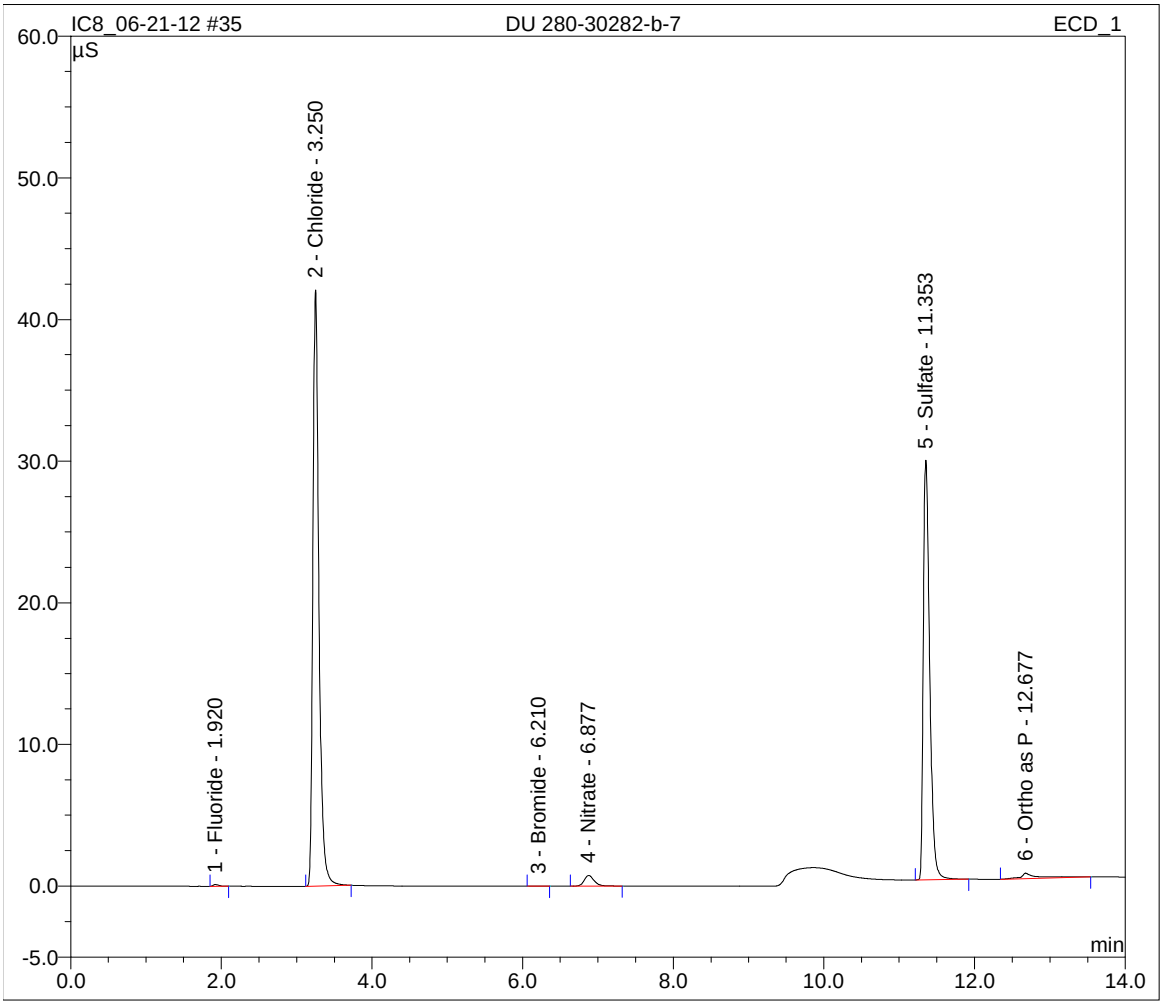
Sample Name:	**280-30282-B-6 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 17:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.001	0.017	-0.0844
2	3.25	Chloride	BMB	4.914	52.690	180.3478
3	6.23	Bromide	BMB	0.001	0.010	0.3572
4	11.38	Sulfate	BMB	1.052	12.357	47.8965
5	12.68	Ortho as P	BMB	0.116	0.261	-0.0609
		TOTAL:		6.08	65.34	228.46



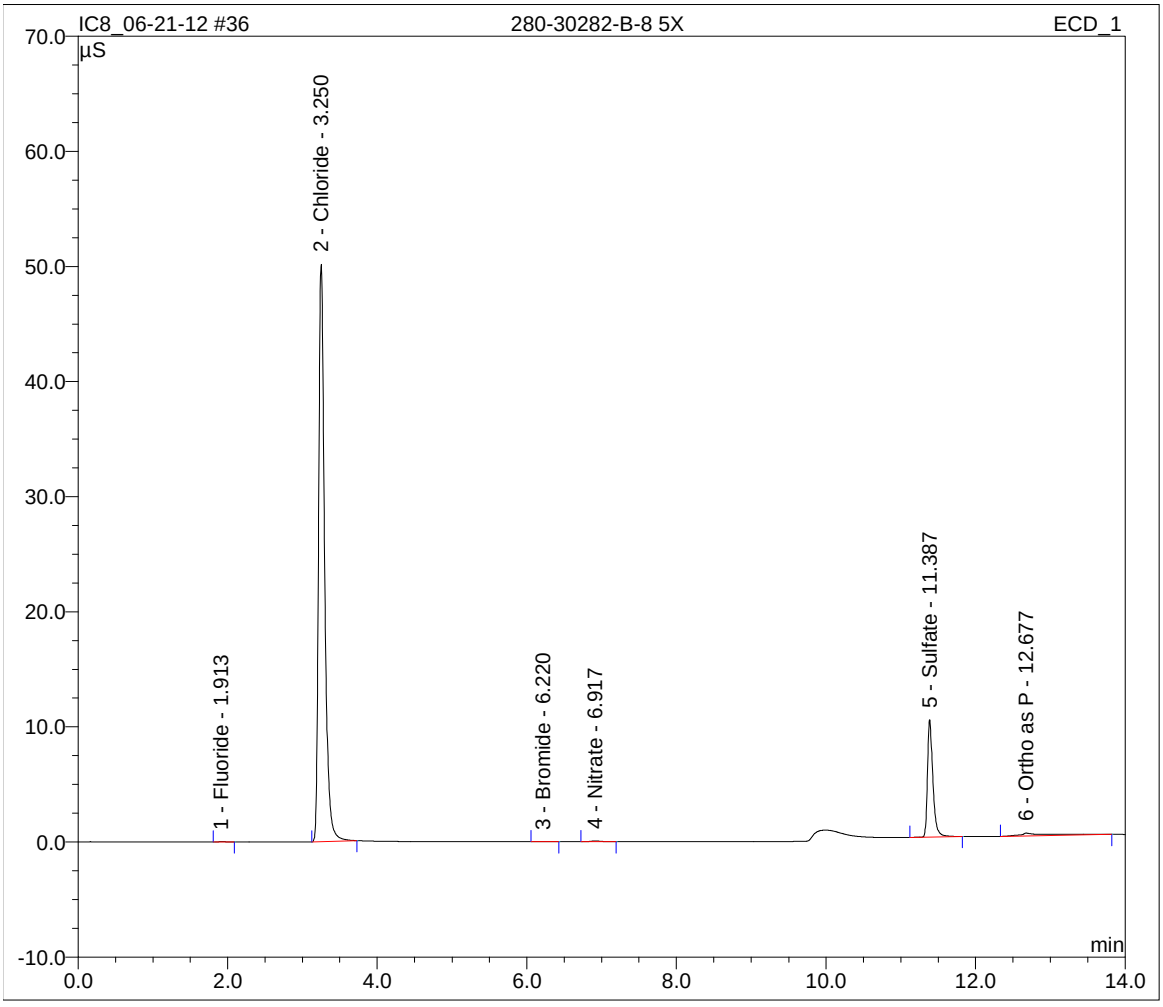
Sample Name:	**DU 280-30282-b-7**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 18:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.010	0.123	0.0216
2	3.25	Chloride	BMB	3.893	42.092	28.5860
3	6.21	Bromide	BMB	0.002	0.012	0.0744
4	6.88	Nitrate	BMB	0.115	0.750	0.3678
5	11.35	Sulfate	BMB	2.908	29.602	27.0032
6	12.68	Ortho as P	BMB	0.102	0.388	-0.0866
		TOTAL:		7.03	72.97	55.97



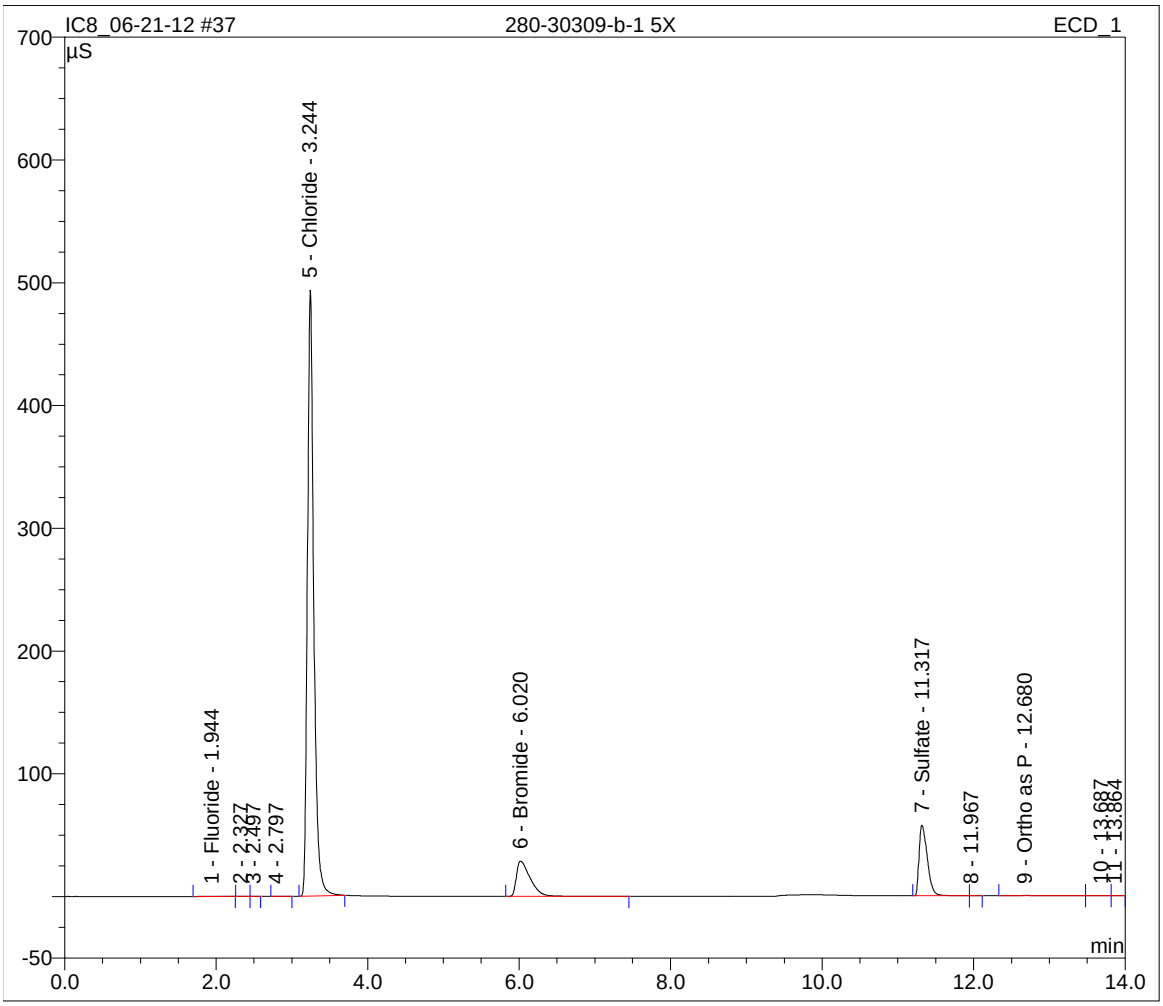
Sample Name:	**280-30282-B-8 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 18:19**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.003	0.034	-0.0551
2	3.25	Chloride	BMB	4.681	50.184	171.7905
3	6.22	Bromide	BMB	0.002	0.017	0.4514
4	6.92	Nitrate	BMB	0.010	0.066	0.3208
5	11.39	Sulfate	BMB	0.856	10.197	38.7106
6	12.68	Ortho as P	BMB	0.108	0.249	-0.2605
		TOTAL:		5.66	60.75	210.96



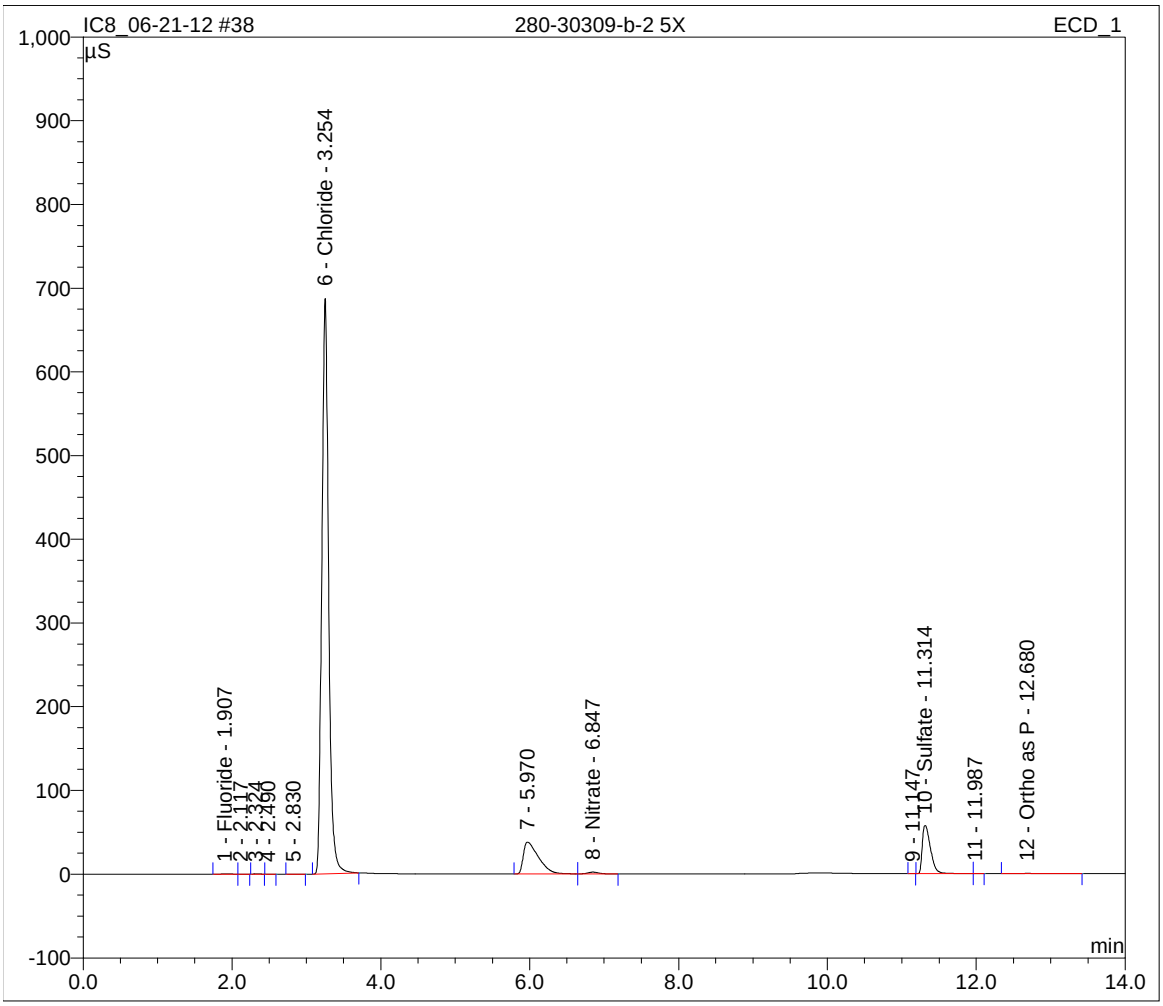
Sample Name:	**280-30309-b-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 18:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	0.040	0.235	0.7455
5	3.24	Chloride	BMB	48.033	493.628	1759.8569
6	6.02	Bromide	BMB	6.046	28.708	523.0852
7	11.32	Sulfate	BMb	7.251	57.436	338.7999
9	12.68	Ortho as P	BMB	0.081	0.234	-0.9750
		TOTAL:		61.45	580.24	2621.51



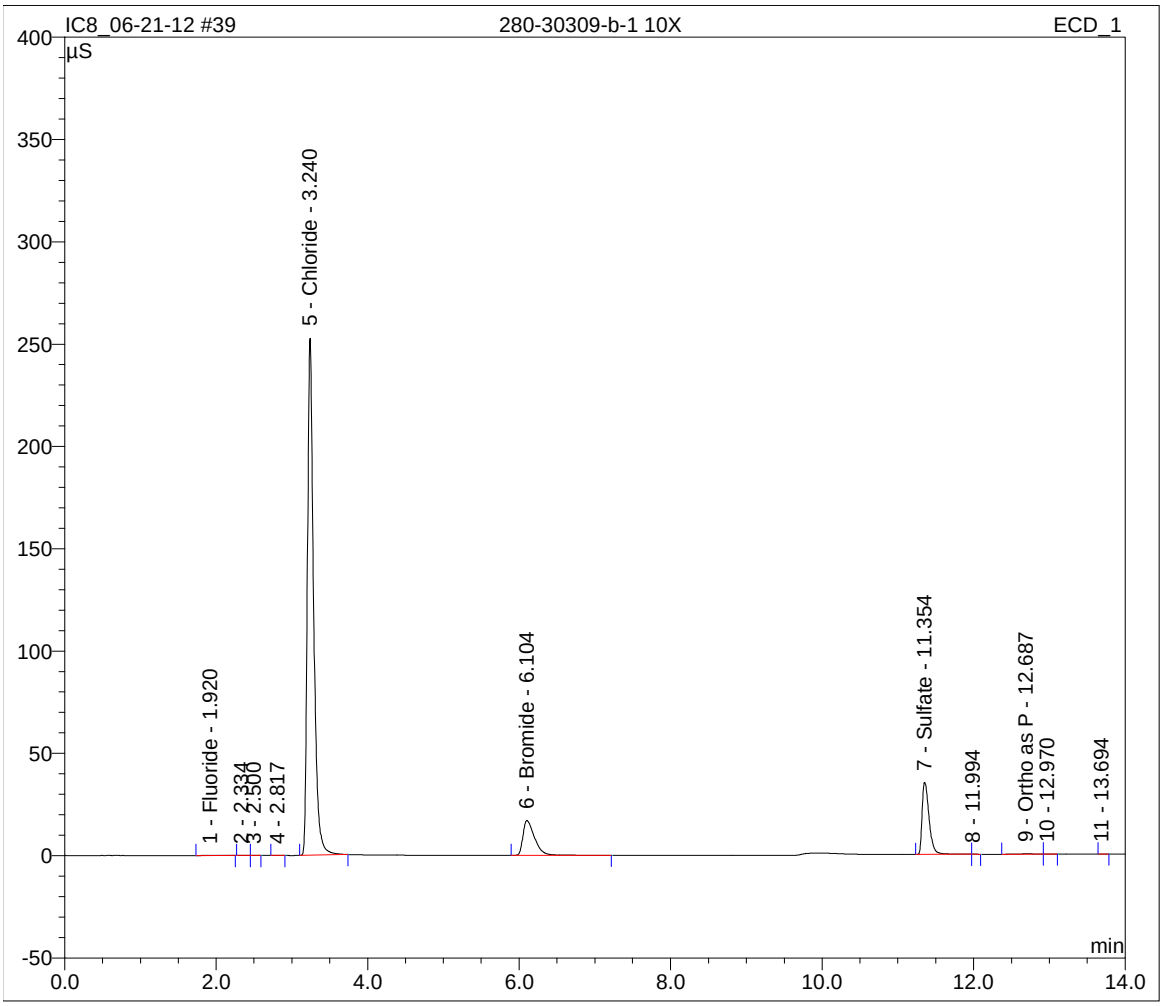
Sample Name:	**280-30309-b-2 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 18:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.027	0.255	0.4600
6	3.25	Chloride	BMB	72.482	687.434	2655.4640
8	6.85	Nitrate	bMB	0.346	2.114	5.1800
10	11.31	Sulfate	BMb	7.321	57.394	342.1046
12	12.68	Ortho as P	BMB	0.077	0.205	-1.0860
		TOTAL:		80.25	747.40	3002.12



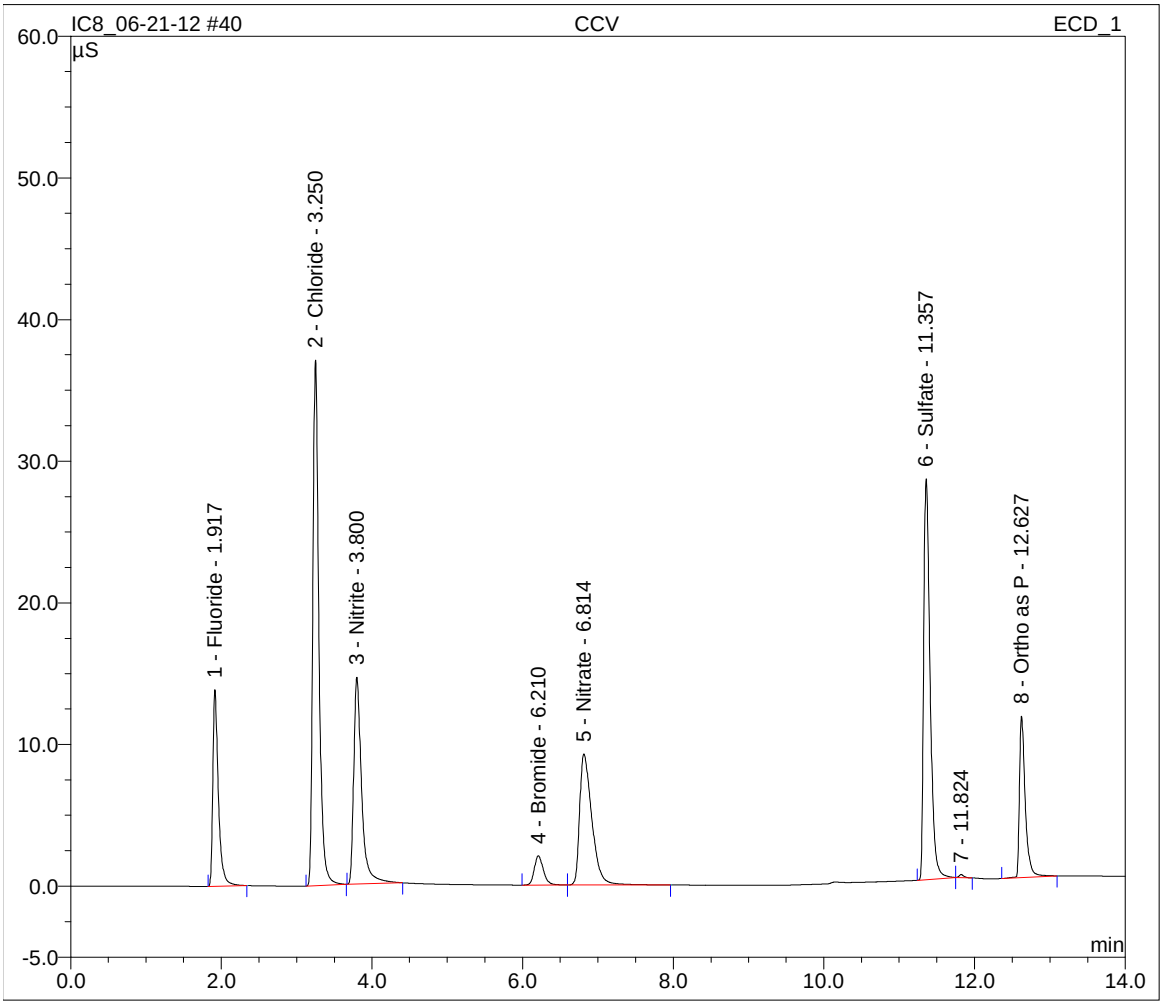
Sample Name:	**280-30309-b-1 10X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**10.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 19:09**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.018	0.119	0.5361
5	3.24	Chloride	BMB	24.189	252.760	1772.8172
6	6.10	Bromide	BMB	3.015	16.979	521.9177
7	11.35	Sulfate	BMb	3.737	35.235	347.8148
9	12.69	Ortho as P	BMb	0.032	0.147	-4.5670
		TOTAL:		30.99	305.24	2638.52



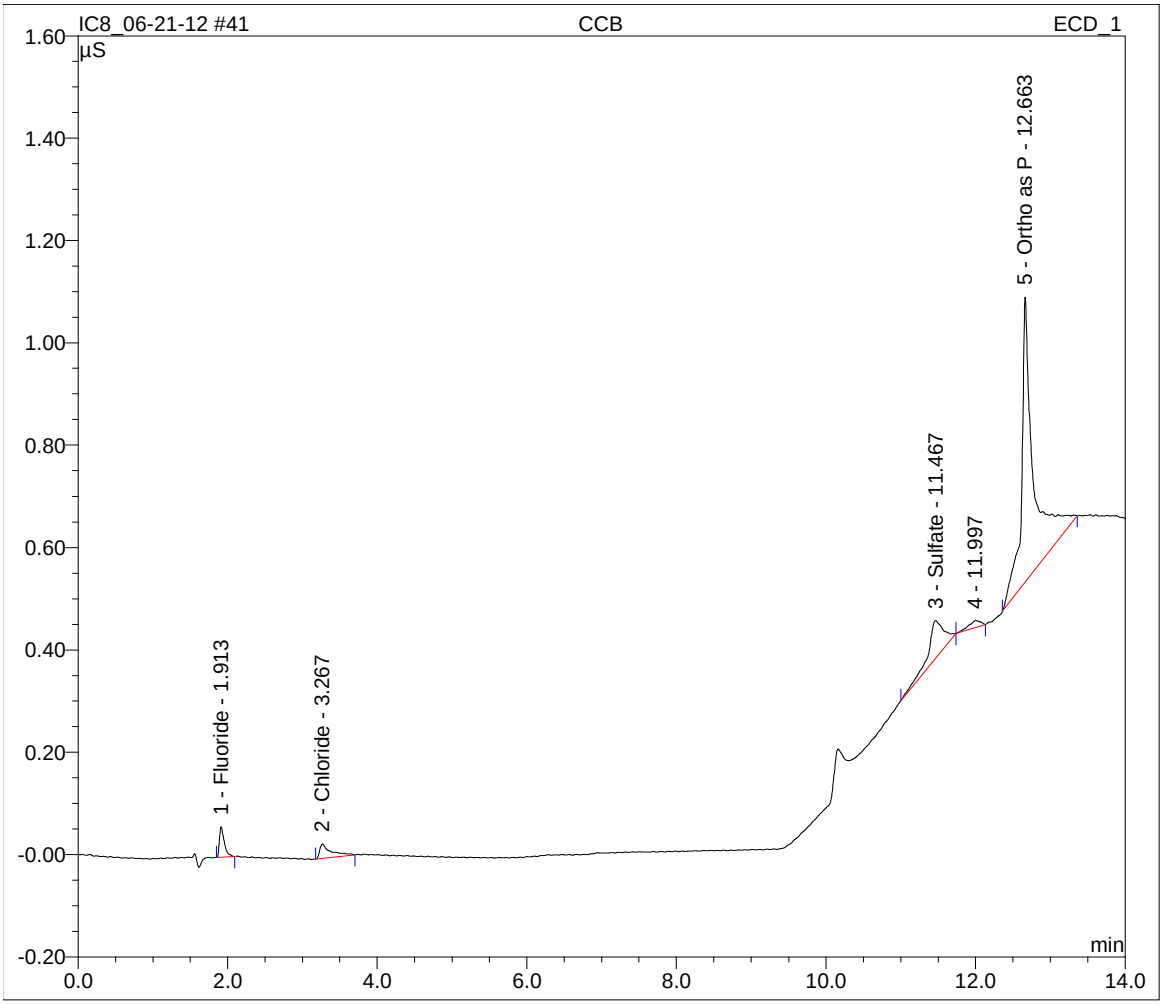
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 19:26**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.181	13.876	5.0478
2	3.25	Chloride	BMB	3.454	37.101	25.3670
3	3.80	Nitrite	BMB	1.766	14.604	4.8352
4	6.21	Bromide	BMB	0.289	2.067	5.0499
5	6.81	Nitrate	BMB	1.737	9.243	5.0626
6	11.36	Sulfate	BMb	2.800	28.304	25.9844
8	12.63	Ortho as P	BMB	1.016	11.387	4.7541
		TOTAL:		12.24	116.58	76.10



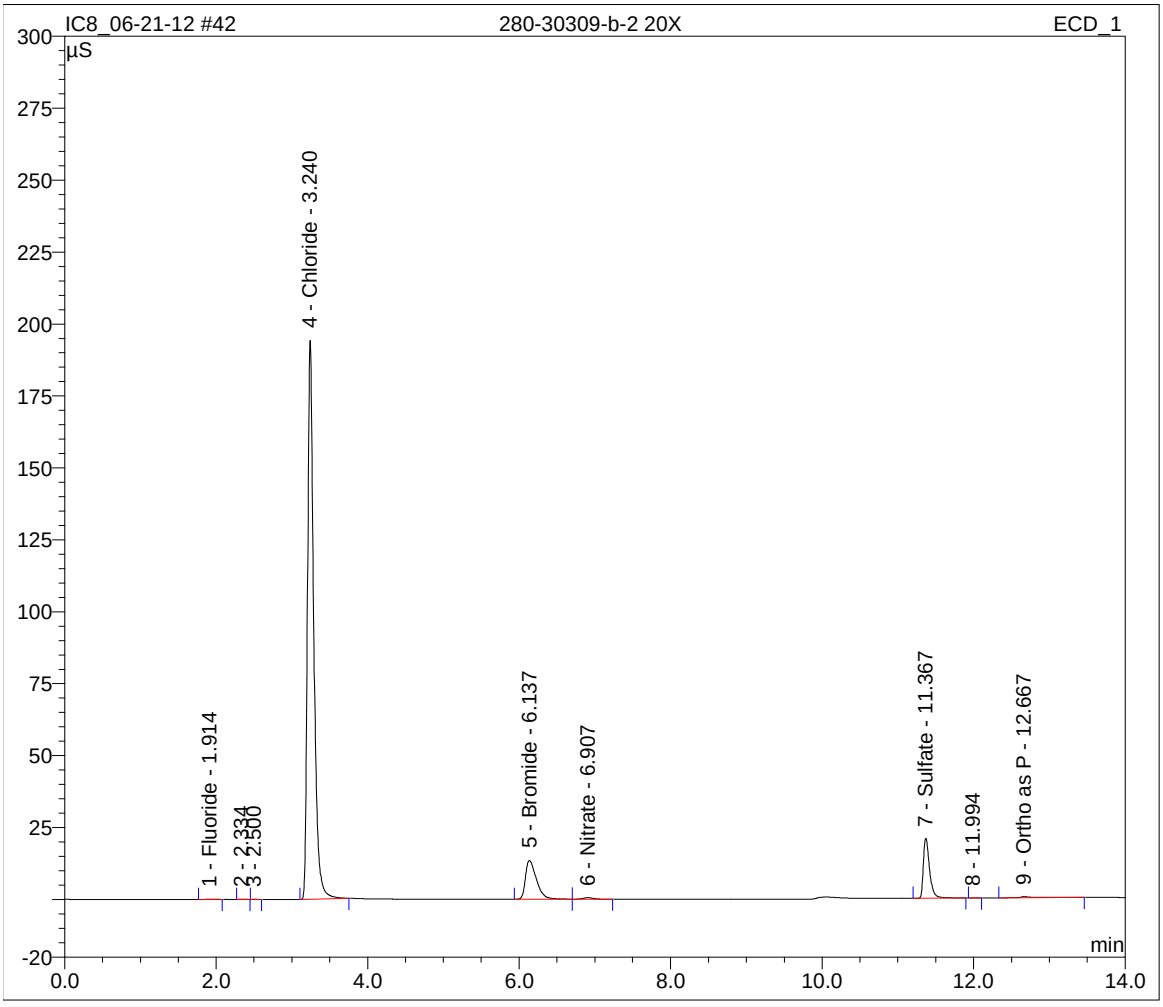
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 19:43**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.060	-0.0032
2	3.27	Chloride	BMB	0.005	0.028	0.1015
3	11.47	Sulfate	BMB	0.017	0.073	-0.1307
5	12.66	Ortho as P	BMB	0.104	0.557	-0.0710
		TOTAL:		0.13	0.72	-0.10



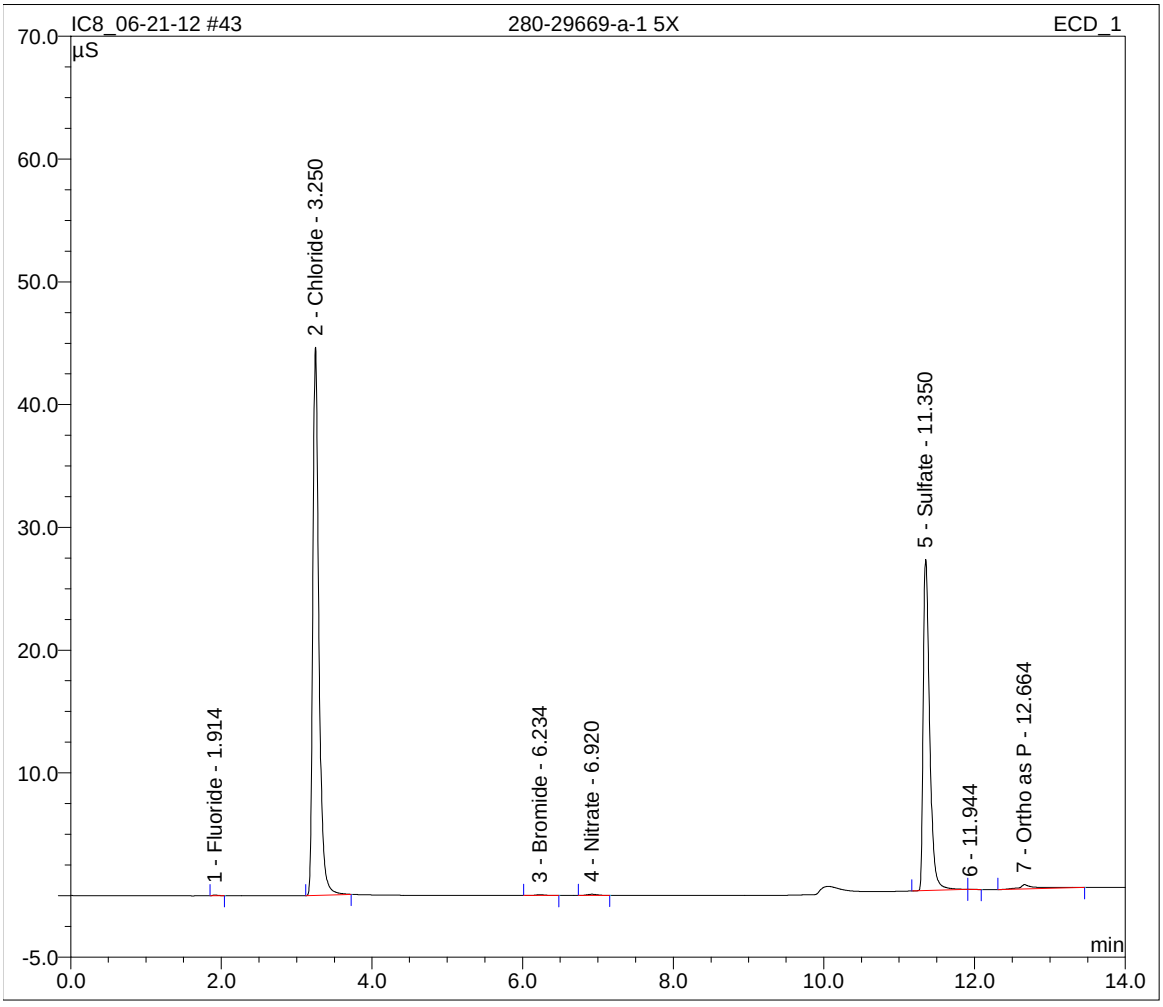
Sample Name:	**280-30309-b-2 20X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**20.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 19:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.007	0.079	0.1770
4	3.24	Chloride	BMB	18.591	194.233	2725.3653
5	6.14	Bromide	BMb	2.245	13.456	777.6714
6	6.91	Nitrate	bMB	0.081	0.529	5.3669
7	11.37	Sulfate	BMB	1.948	20.732	359.8809
9	12.67	Ortho as P	BMB	0.104	0.449	-1.4595
		TOTAL:		22.98	229.48	3867.00



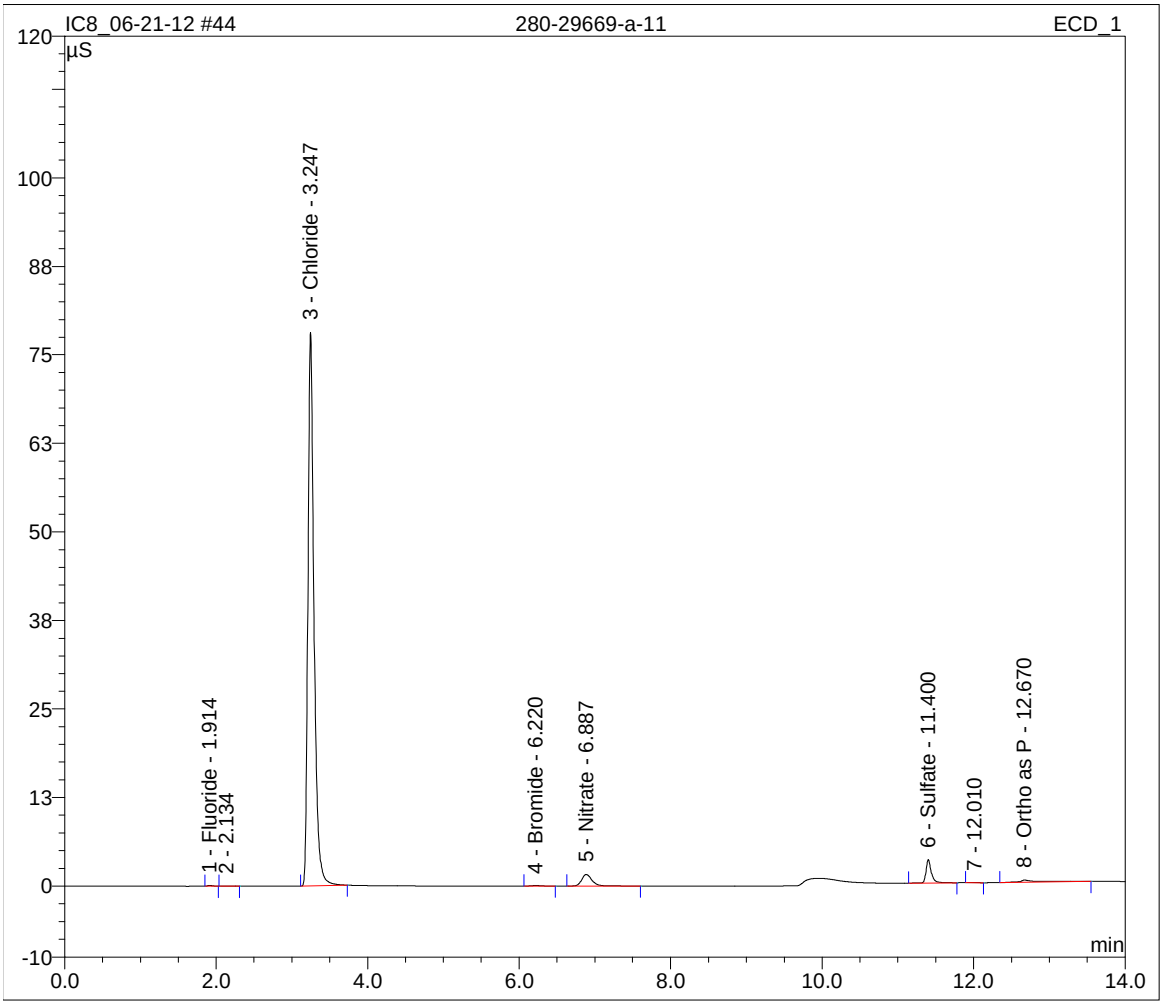
Sample Name:	**280-29669-a-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 20:16**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.062	-0.0162
2	3.25	Chloride	BMB	4.165	44.635	152.8843
3	6.23	Bromide	BMB	0.009	0.062	1.0021
4	6.92	Nitrate	BMB	0.014	0.096	0.3802
5	11.35	Sulfate	BMb	2.677	26.972	124.1524
7	12.66	Ortho as P	BMB	0.091	0.352	-0.7147
		TOTAL:		6.96	72.18	277.69



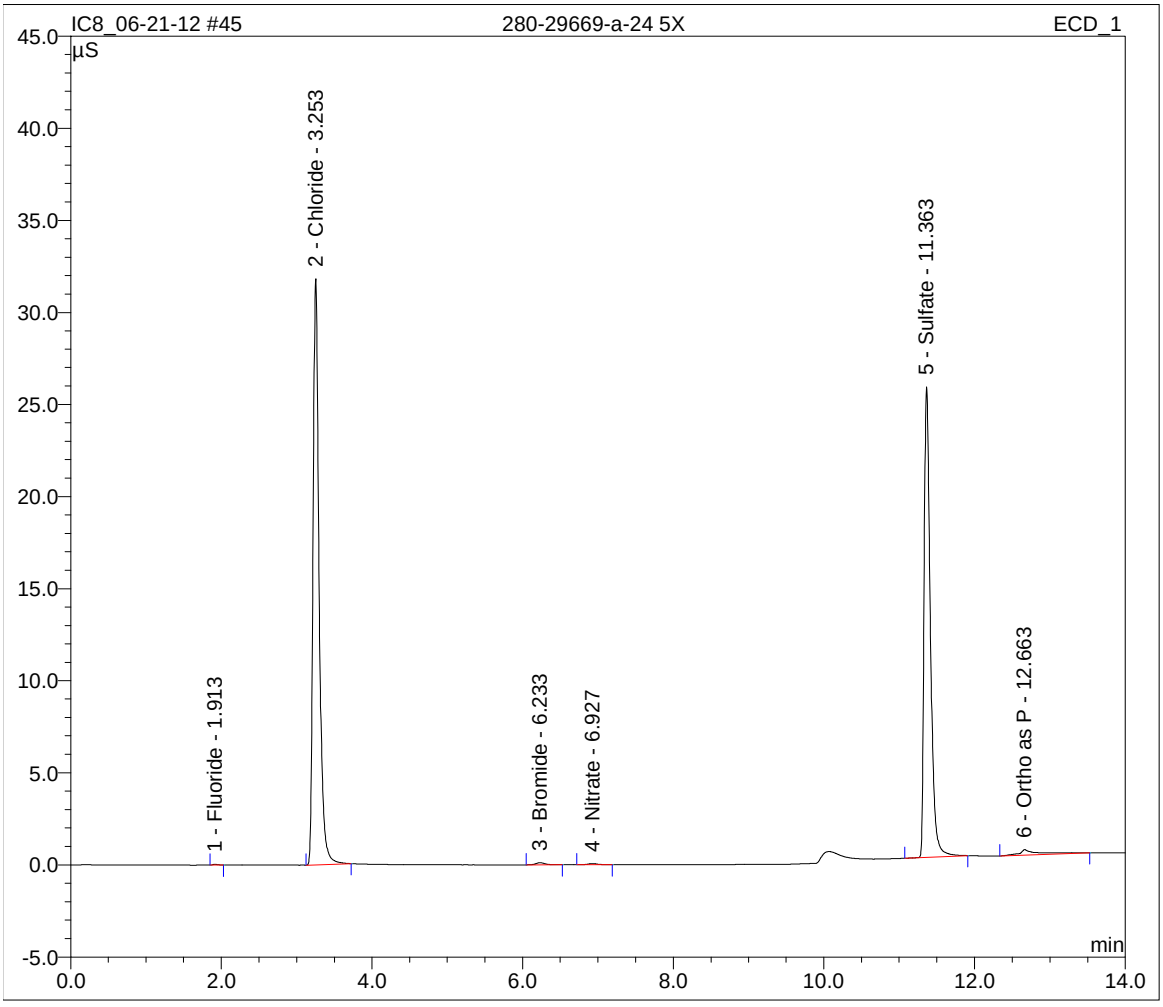
Sample Name:	**280-29669-a-11**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 20:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.008	0.107	0.0114
3	3.25	Chloride	BMB	7.318	78.166	53.6817
4	6.22	Bromide	BMB	0.011	0.079	0.2348
5	6.89	Nitrate	BMB	0.259	1.635	0.7844
6	11.40	Sulfate	BMB	0.267	3.292	2.2093
8	12.67	Ortho as P	BMB	0.097	0.331	-0.1105
		TOTAL:		7.96	83.61	56.81



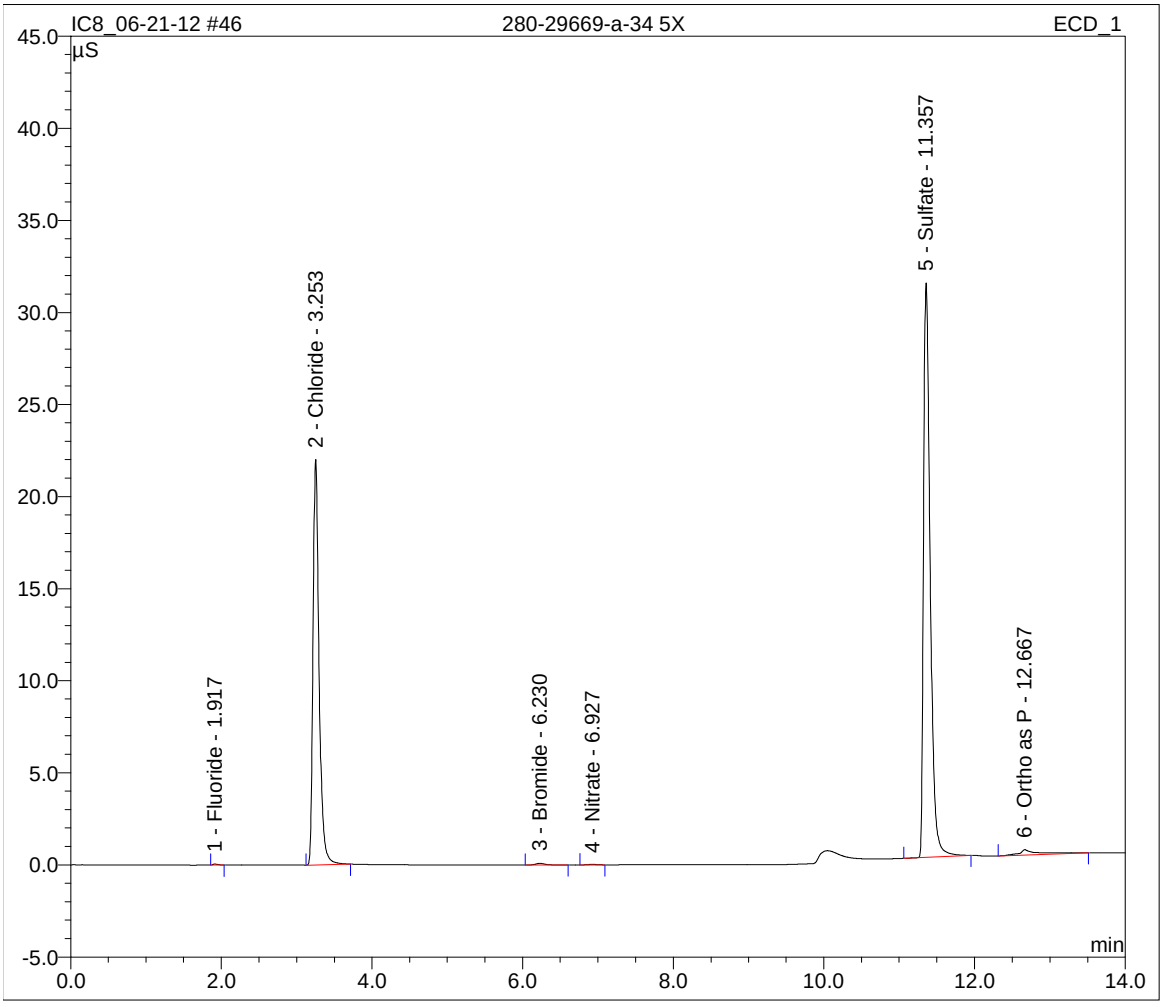
Sample Name:	**280-29669-a-24 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 20:50**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.003	0.043	-0.0446
2	3.25	Chloride	BMB	2.963	31.835	108.8724
3	6.23	Bromide	BMB	0.016	0.114	1.6328
4	6.93	Nitrate	BMB	0.009	0.060	0.3067
5	11.36	Sulfate	BMB	2.477	25.541	114.7792
6	12.66	Ortho as P	BMB	0.089	0.297	-0.7577
		TOTAL:		5.56	57.89	224.79



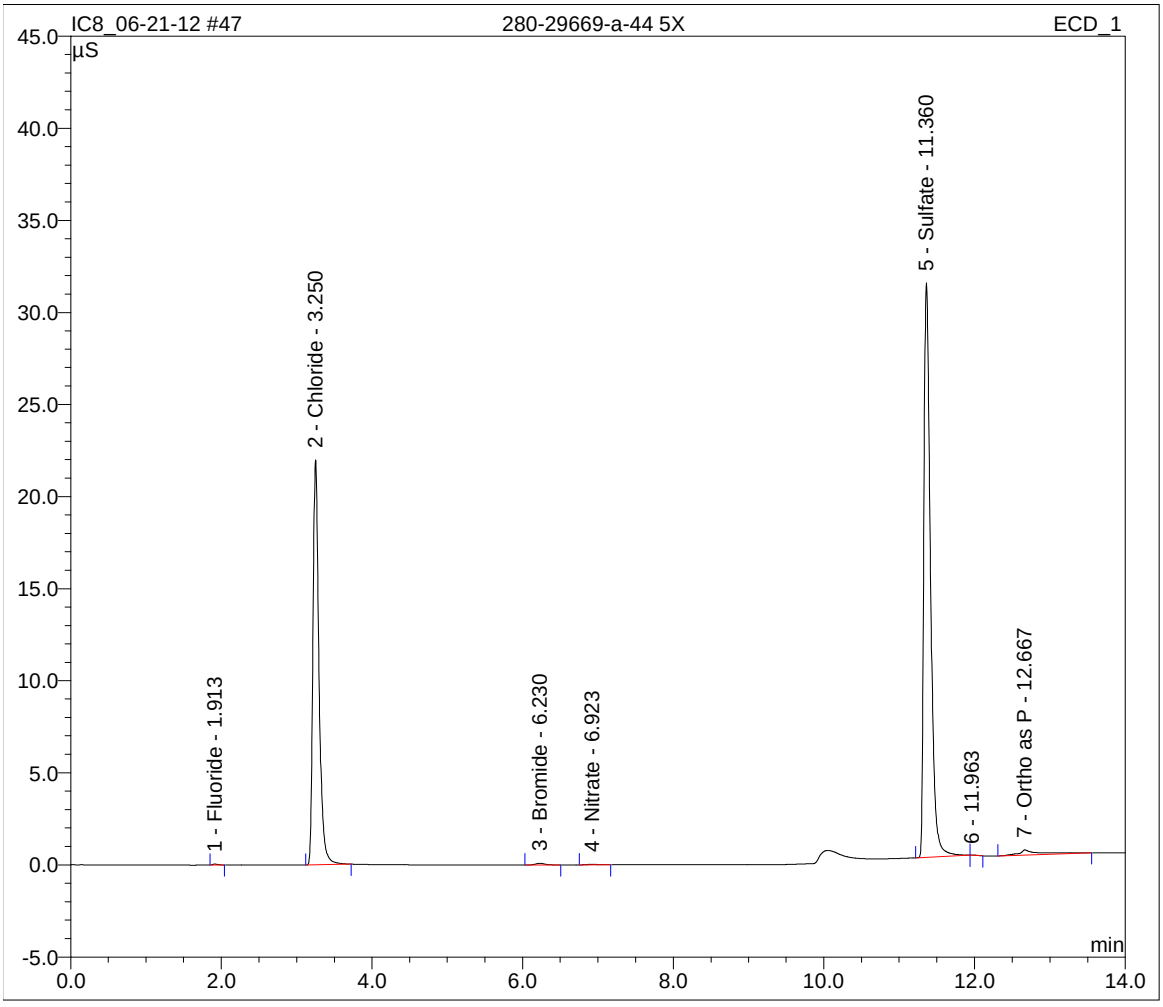
Sample Name:	**280-29669-a-34 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 21:07**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.004	0.058	-0.0234
2	3.25	Chloride	BMB	2.046	22.015	75.2609
3	6.23	Bromide	BMB	0.013	0.087	1.3264
4	6.93	Nitrate	BMB	0.004	0.027	0.2281
5	11.36	Sulfate	BMB	3.203	31.203	148.8497
6	12.67	Ortho as P	BMB	0.089	0.295	-0.7750
		TOTAL:		5.36	53.68	224.87



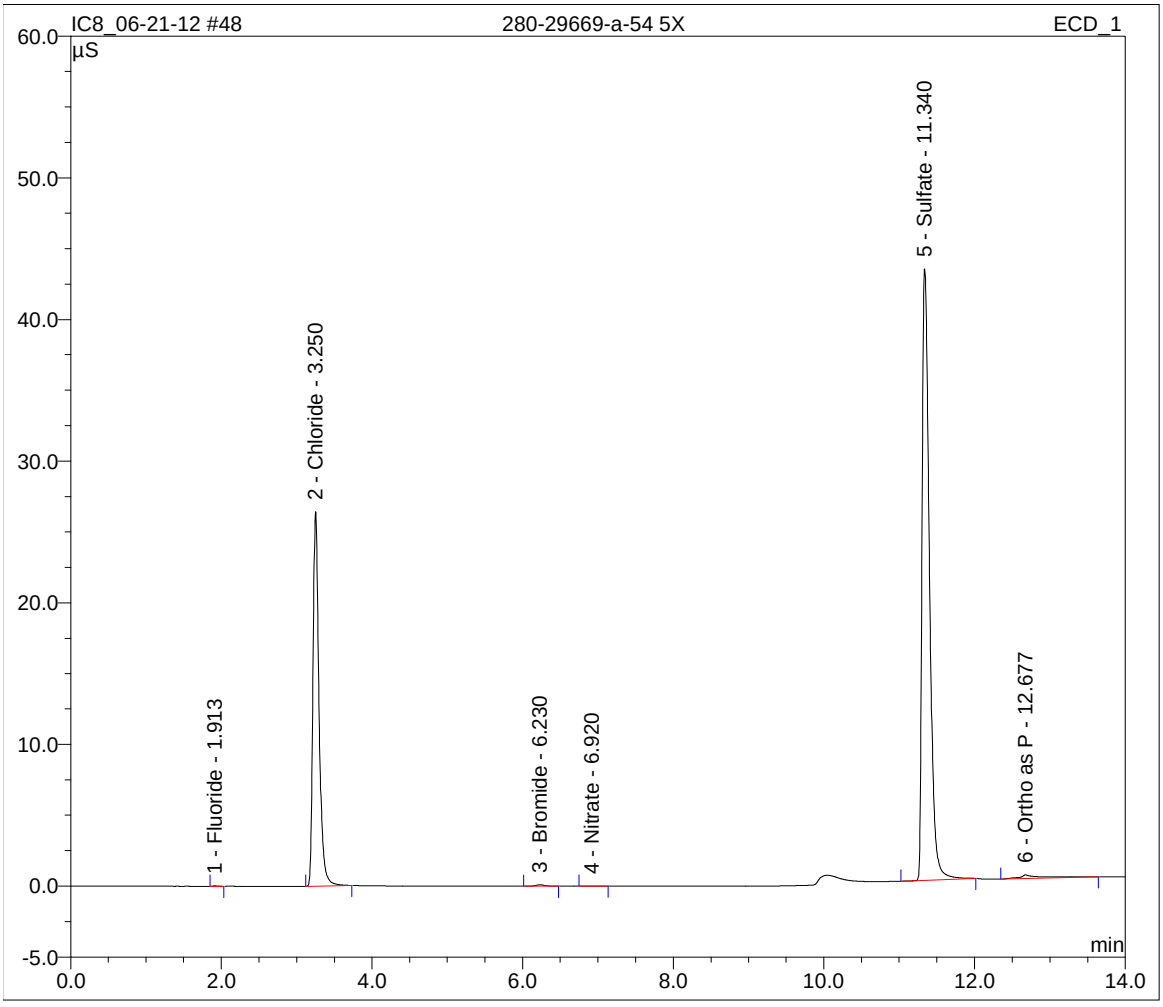
Sample Name:	**280-29669-a-44 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 21:23**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.004	0.058	-0.0222
2	3.25	Chloride	BMB	2.043	21.998	75.1719
3	6.23	Bromide	BMB	0.013	0.090	1.3374
4	6.92	Nitrate	BMB	0.005	0.033	0.2429
5	11.36	Sulfate	BMb	3.199	31.195	148.6725
7	12.67	Ortho as P	BMB	0.087	0.283	-0.8060
		TOTAL:		5.35	53.66	224.60



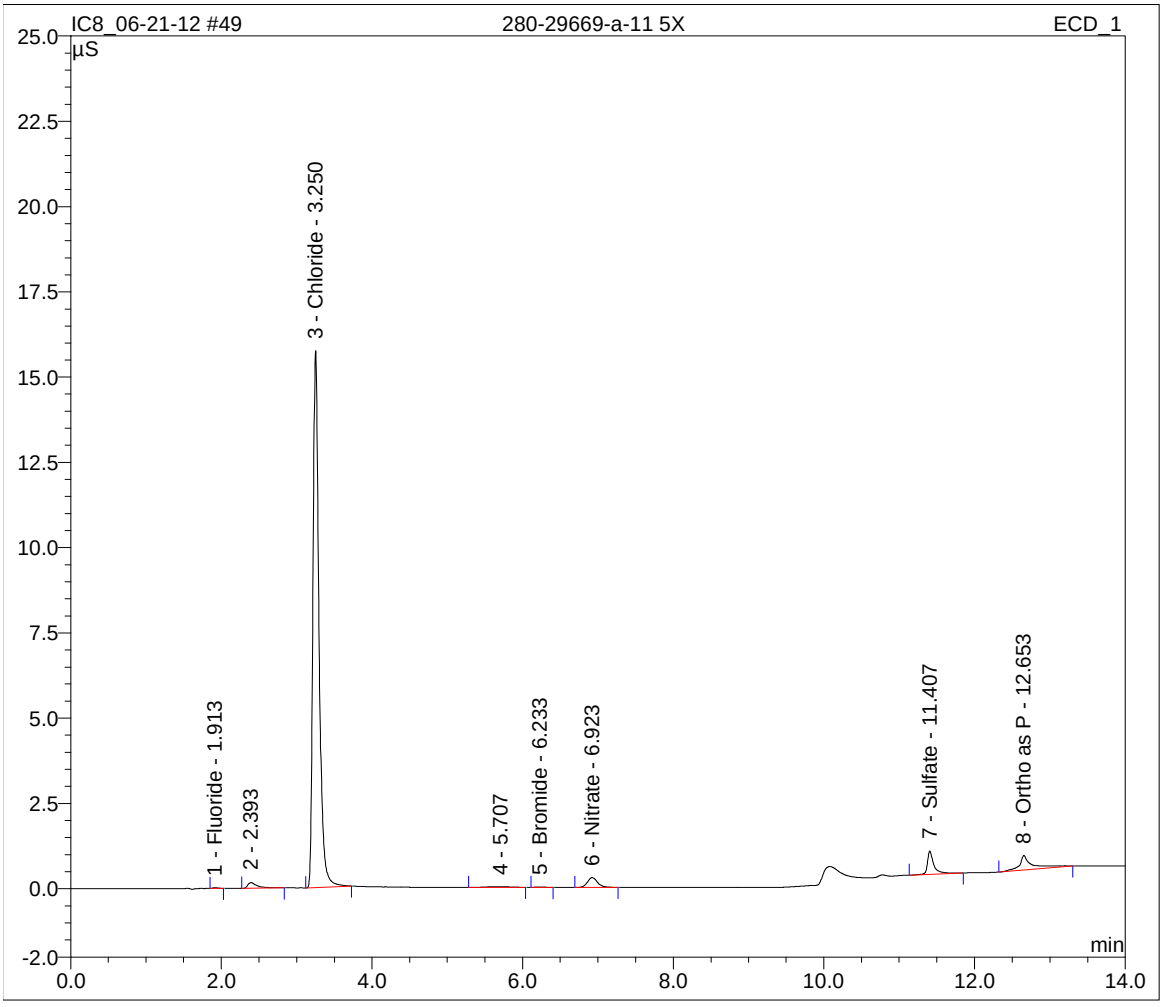
Sample Name:	**280-29669-a-54 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 21:40**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.002	0.032	-0.0618
2	3.25	Chloride	BMB	2.461	26.427	90.4925
3	6.23	Bromide	BMB	0.014	0.098	1.4220
4	6.92	Nitrate	BMB	0.001	0.007	0.1883
5	11.34	Sulfate	BMB	4.937	43.166	230.2296
6	12.68	Ortho as P	BMB	0.092	0.259	-0.6799
		TOTAL:		7.51	69.99	321.59



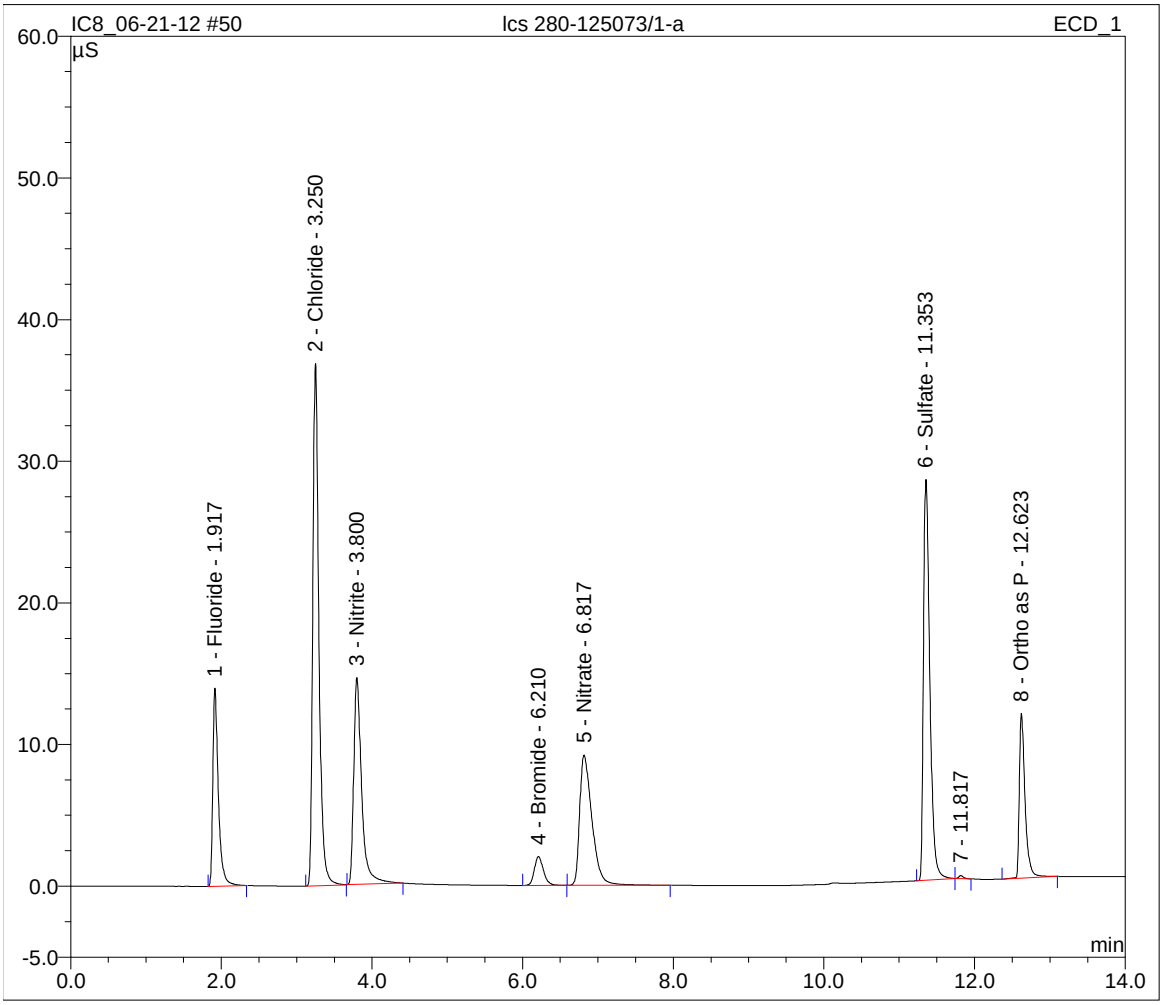
Sample Name:	**280-29669-a-11 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 22:19**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.002	0.024	-0.0753
3	3.25	Chloride	BMB	1.464	15.735	53.9511
5	6.23	Bromide	BMB	0.002	0.013	0.3962
6	6.92	Nitrate	BMB	0.045	0.289	0.8250
7	11.41	Sulfate	BMB	0.069	0.686	1.7562
8	12.65	Ortho as P	BMB	0.084	0.426	-0.9077
		TOTAL:		1.66	17.17	55.95



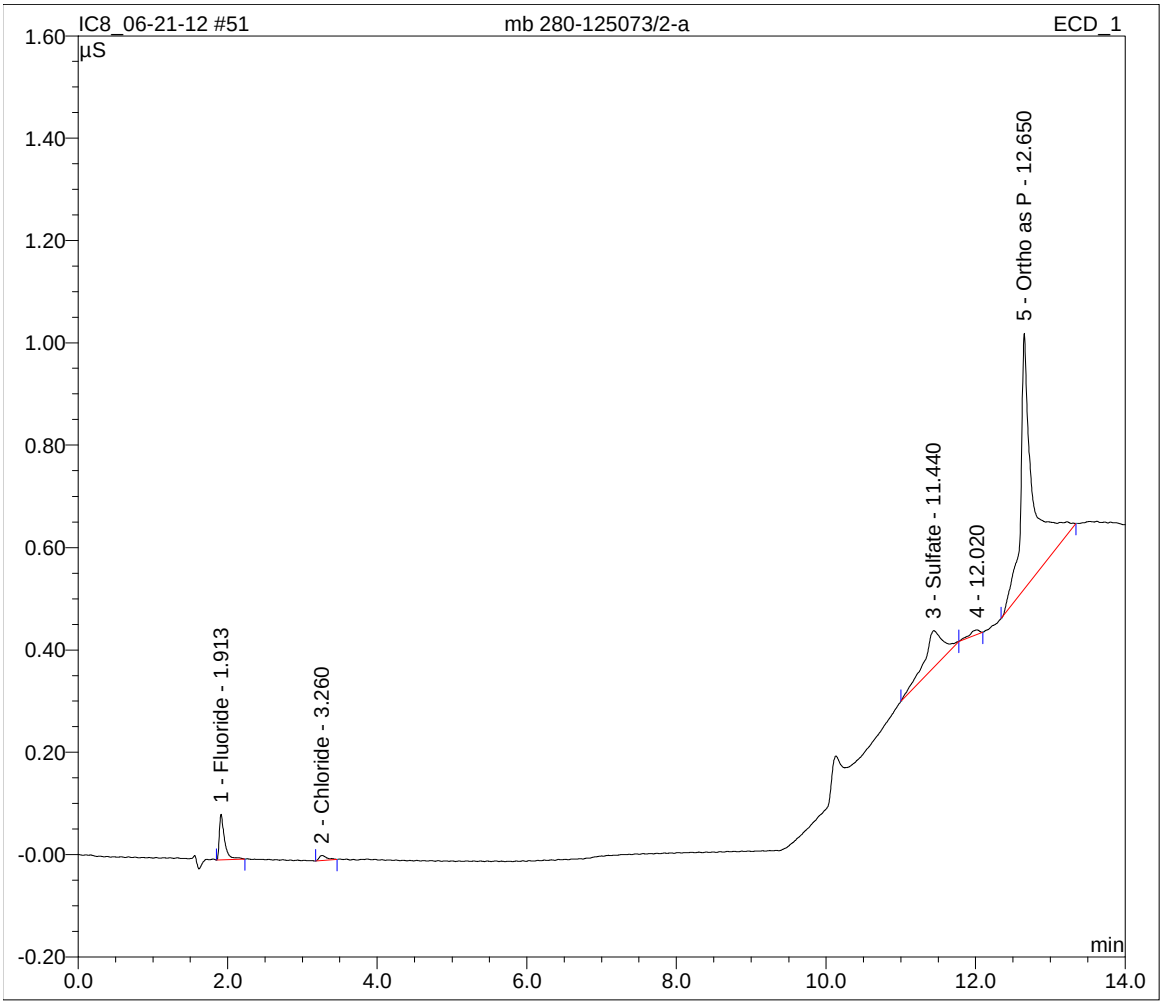
Sample Name:	**lcs 280-125073/1-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 22:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.191	13.975	5.0909
2	3.25	Chloride	BMB	3.436	36.865	25.2376
3	3.80	Nitrite	BMB	1.776	14.609	4.8635
4	6.21	Bromide	BMB	0.287	2.041	5.0200
5	6.82	Nitrate	BMB	1.741	9.184	5.0721
6	11.35	Sulfate	BMb	2.773	28.284	25.7391
8	12.62	Ortho as P	BMB	1.025	11.625	4.8031
		TOTAL:		12.23	116.58	75.83



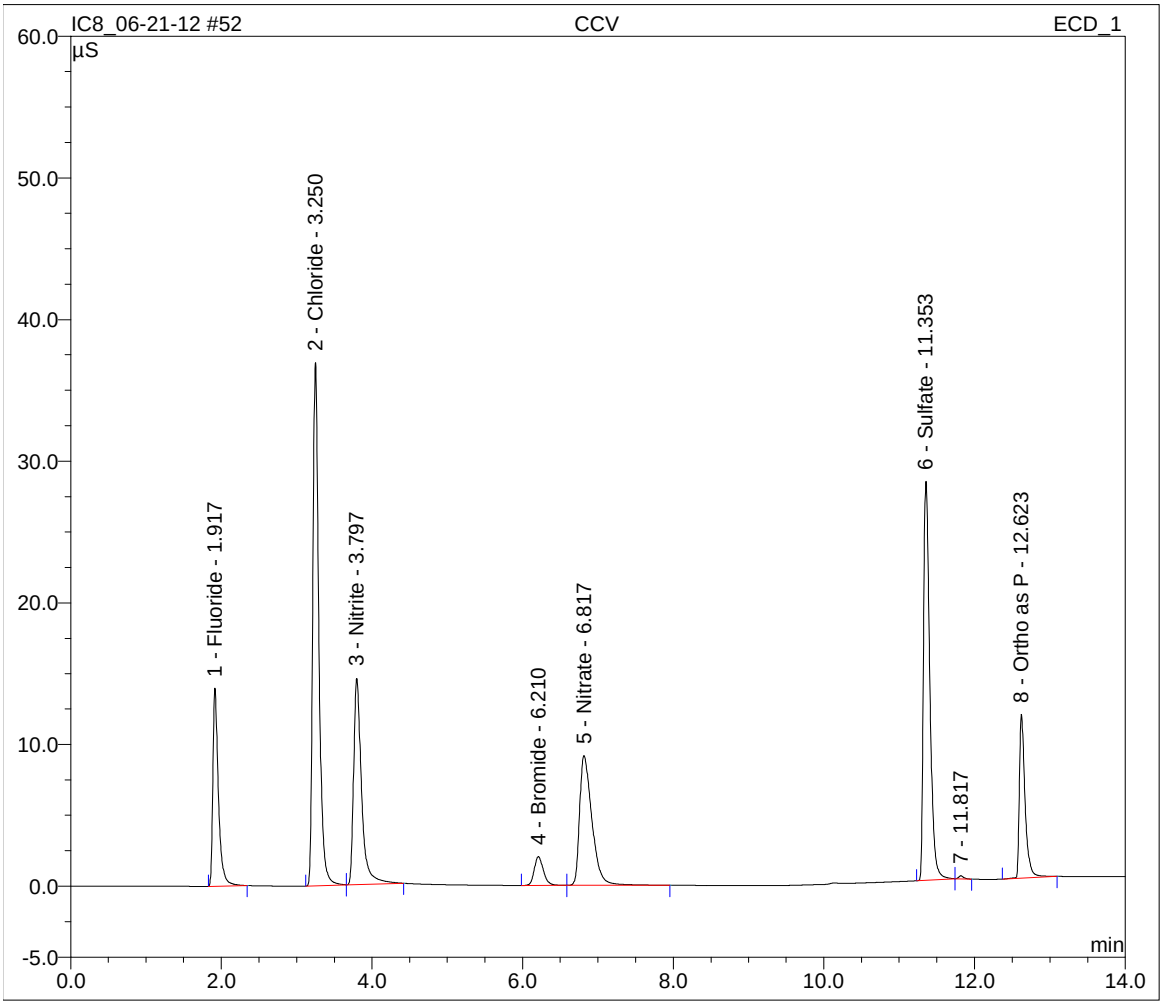
Sample Name:	**mb 280-125073/2-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 22:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.007	0.089	0.0088
2	3.26	Chloride	BMB	0.001	0.010	0.0740
3	11.44	Sulfate	BMB	0.021	0.072	-0.0996
5	12.65	Ortho as P	BMB	0.097	0.501	-0.1091
		TOTAL:		0.13	0.67	-0.13



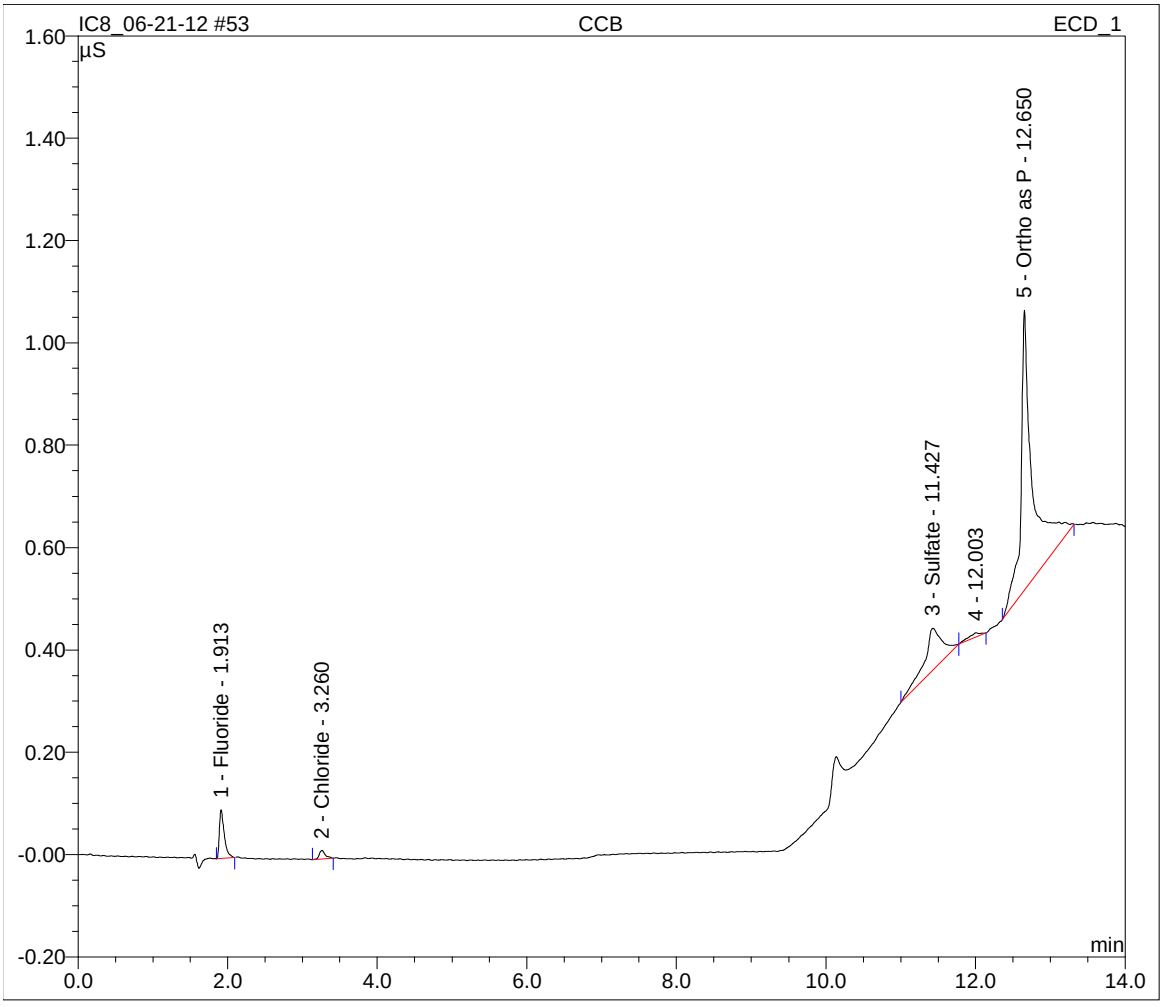
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 23:09**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.190	13.976	5.0893
2	3.25	Chloride	BMB	3.440	36.923	25.2654
3	3.80	Nitrite	bMB	1.769	14.558	4.8423
4	6.21	Bromide	BMB	0.288	2.035	5.0213
5	6.82	Nitrate	BMB	1.739	9.154	5.0665
6	11.35	Sulfate	BMb	2.749	28.165	25.5098
8	12.62	Ortho as P	BMB	1.012	11.561	4.7363
		TOTAL:		12.19	116.37	75.53



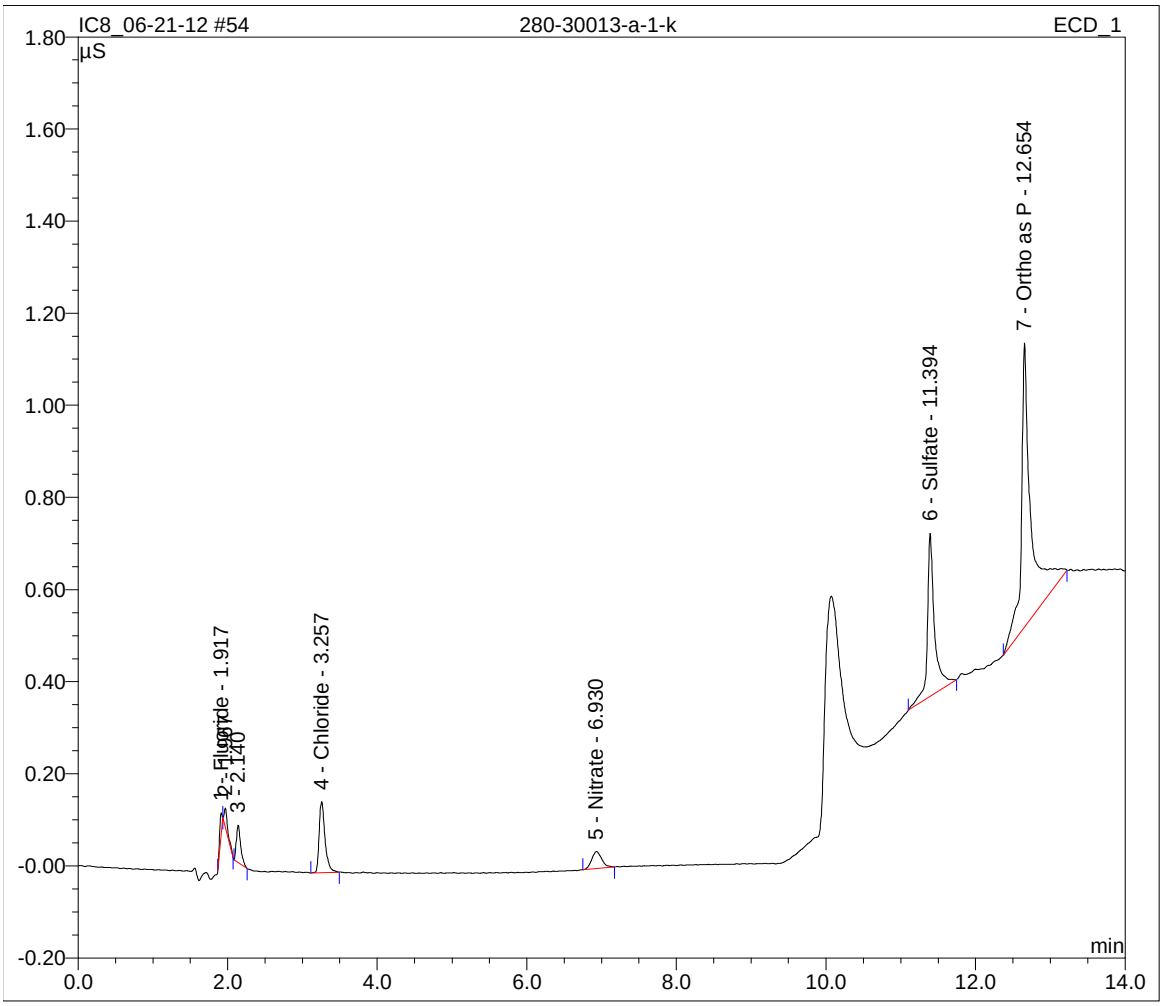
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 23:26**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.007	0.095	0.0084
2	3.26	Chloride	BMB	0.002	0.017	0.0768
3	11.43	Sulfate	BMB	0.022	0.082	-0.0831
5	12.65	Ortho as P	BMB	0.101	0.548	-0.0915
		TOTAL:		0.13	0.74	-0.09



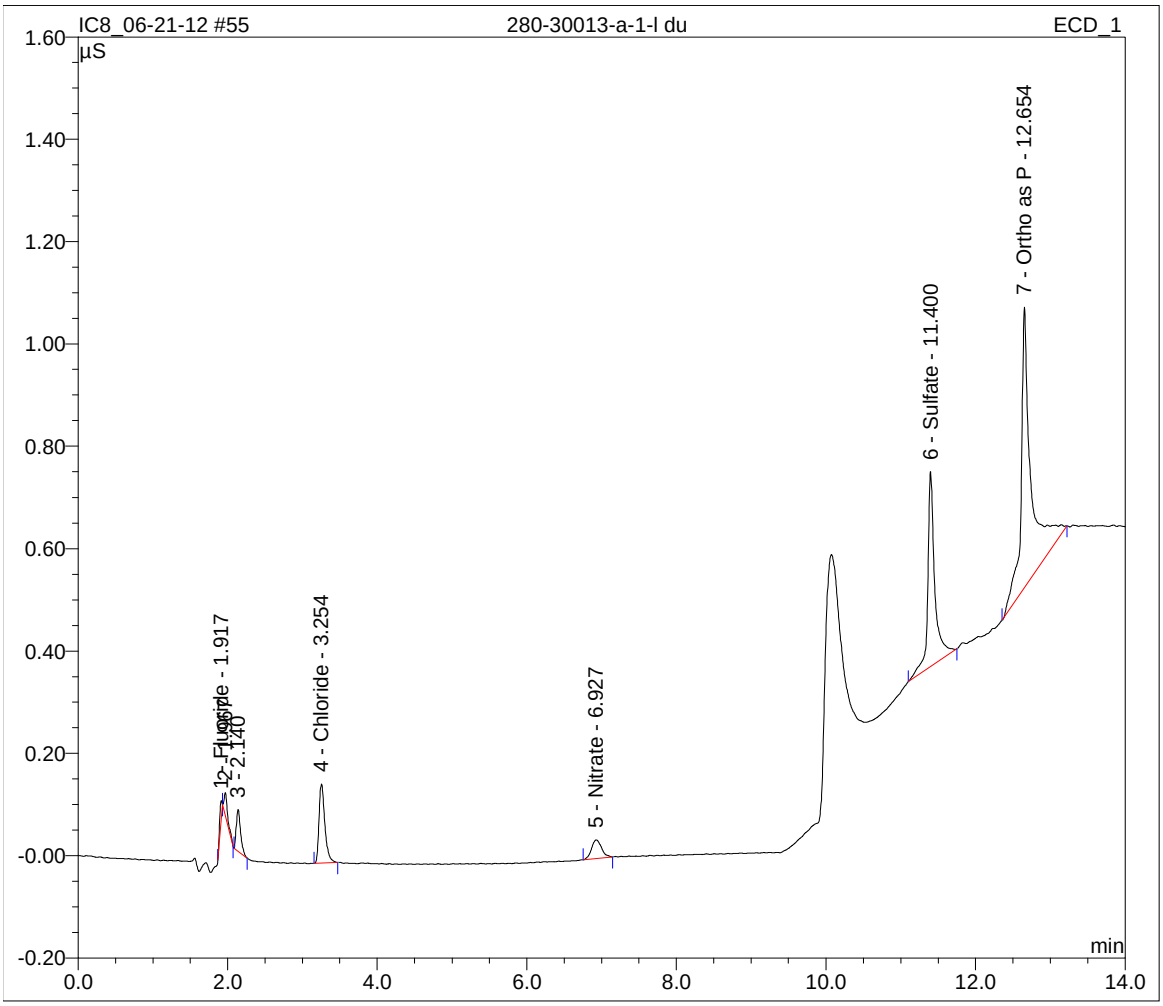
Sample Name:	**280-30013-a-1-k**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 23:43**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.002	0.043	-0.0144
4	3.26	Chloride	BMB	0.014	0.154	0.1674
5	6.93	Nitrate	BMB	0.006	0.037	0.0512
6	11.39	Sulfate	BMB	0.040	0.354	0.0796
7	12.65	Ortho as P	BMB	0.094	0.616	-0.1276
		TOTAL:		0.16	1.20	0.16



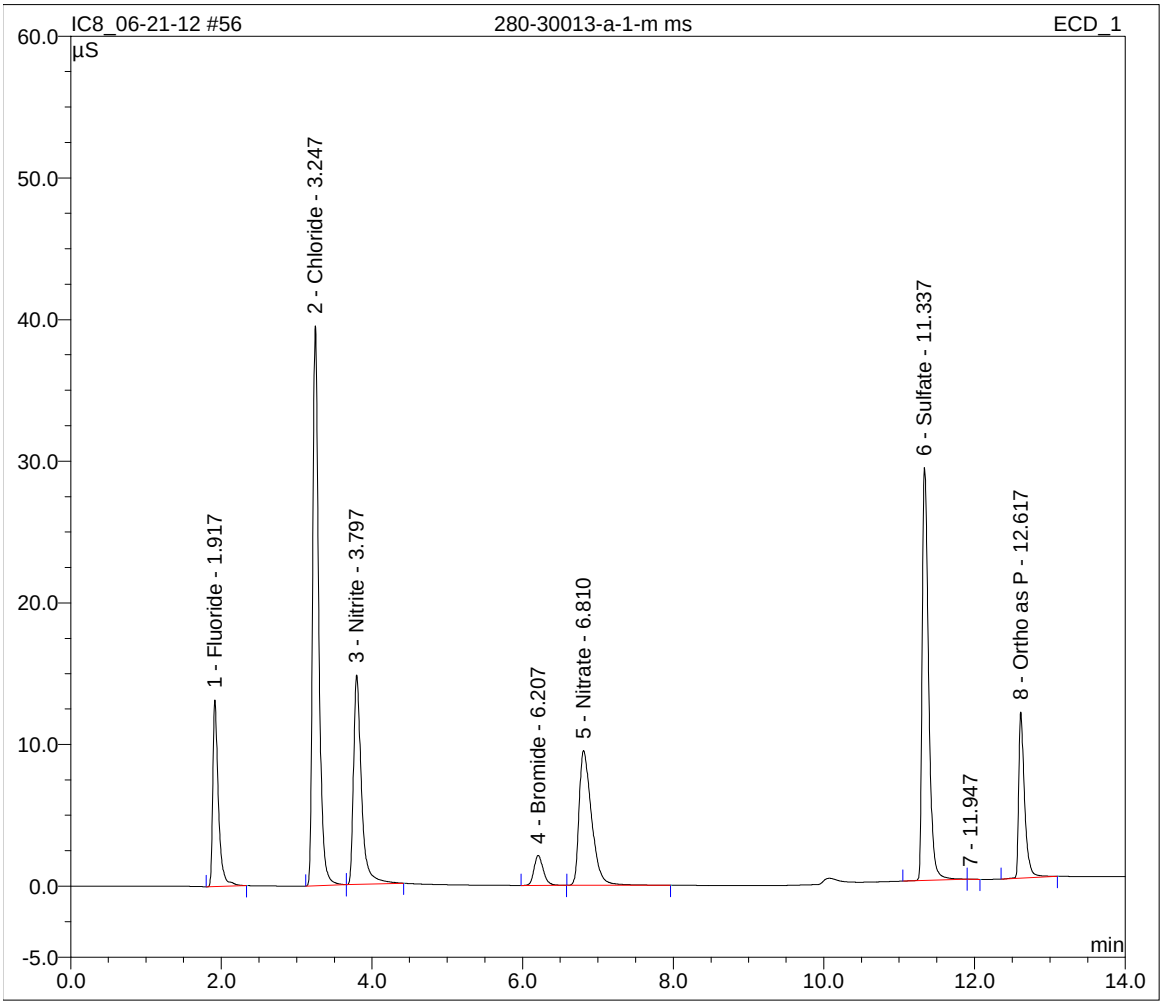
Sample Name:	**280-30013-a-1-l du**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 23:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.002	0.035	-0.0157
4	3.25	Chloride	BMB	0.014	0.155	0.1673
5	6.93	Nitrate	BMB	0.006	0.036	0.0509
6	11.40	Sulfate	BMB	0.042	0.381	0.1002
7	12.65	Ortho as P	BMB	0.086	0.549	-0.1685
		TOTAL:		0.15	1.16	0.13



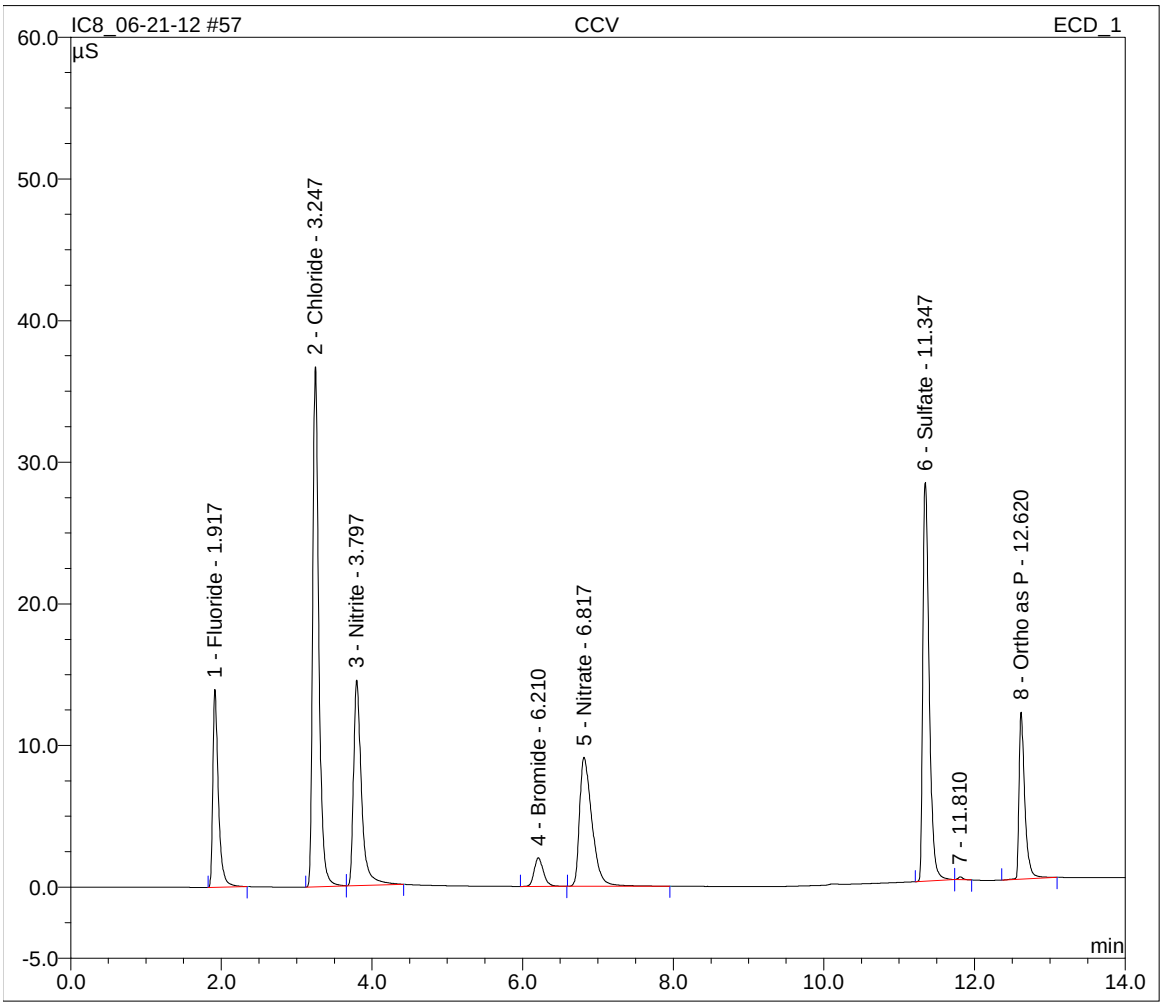
Sample Name:	**280-30013-a-1-m ms**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 00:16**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.130	13.151	4.8319
2	3.25	Chloride	BMB	3.694	39.534	27.1254
3	3.80	Nitrite	BMB	1.800	14.793	4.9268
4	6.21	Bromide	BMB	0.302	2.120	5.2629
5	6.81	Nitrate	BMB	1.826	9.507	5.3189
6	11.34	Sulfate	BMb	2.897	29.138	26.8990
8	12.62	Ortho as P	BMB	1.058	11.718	4.9793
		TOTAL:		12.71	119.96	79.34



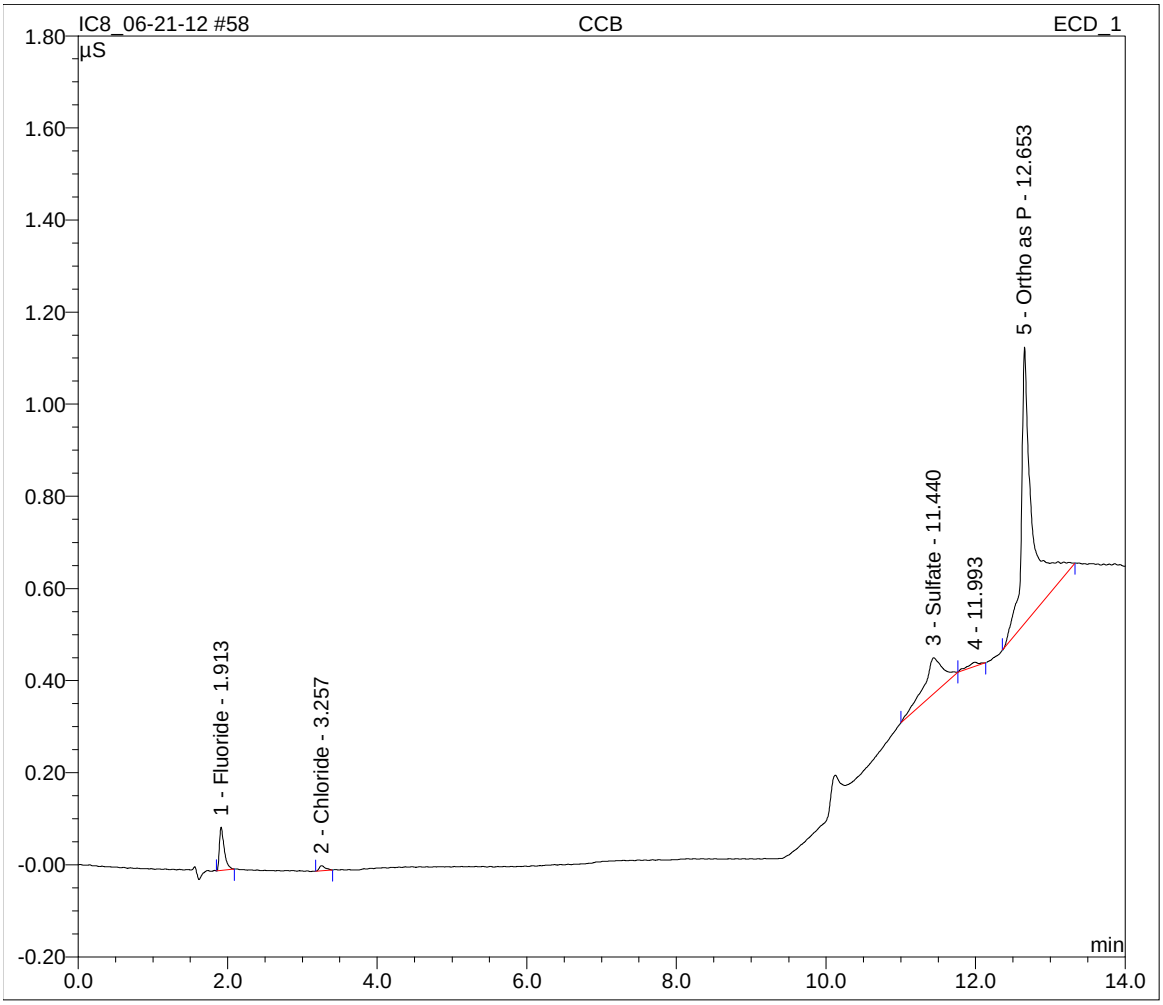
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 00:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.191	13.967	5.0921
2	3.25	Chloride	BMB	3.437	36.707	25.2493
3	3.80	Nitrite	BMB	1.760	14.494	4.8199
4	6.21	Bromide	BMB	0.287	2.015	5.0192
5	6.82	Nitrate	BMB	1.737	9.094	5.0620
6	11.35	Sulfate	BMb	2.753	28.156	25.5481
8	12.62	Ortho as P	BMB	1.043	11.781	4.9005
TOTAL:				12.21	116.21	75.69



Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 00:50**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.007	0.094	0.0076
2	3.26	Chloride	BMB	0.001	0.011	0.0729
3	11.44	Sulfate	BMB	0.023	0.078	-0.0807
5	12.65	Ortho as P	BMB	0.104	0.600	-0.0719
TOTAL:				0.13	0.78	-0.07



Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/21/2012 8:59:20 AM by WETCHEMD
#Samples: 59 Last Update: 6/22/2012 2:23:56 PM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time	Weight
1	RT CHECK	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:14:11 PM	1.0000
2	cal1	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:31:00 PM	1.0000
3	cal2	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:47:48 PM	1.0000
4	cal3	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:04:36 PM	1.0000
5	cal4	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:21:25 PM	1.0000
6	cal5	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:38:13 PM	1.0000
7	cal6	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:55:01 PM	1.0000
8	BLK	Unknown	6	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:11:49 PM	1.0000
9	ICV STD#00816	Unknown	201	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:28:37 PM	1.0000
10	ICB	Unknown	186	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:45:26 PM	1.0000
11	ICV STD#00820	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 9:29:50 AM	1.0000
12	ICB	Unknown	187	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 9:46:38 AM	1.0000
13	MRL 0.05	Unknown	202	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 10:03:27 AM	1.0000
14	MRL 0.02	Unknown	203	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 10:20:15 AM	1.0000
15	LCS STD#00820	Unknown	194	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 10:37:04 AM	1.0000
16	LCSD	Unknown	193	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 10:53:52 AM	1.0000
17	MB	Unknown	143	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 11:10:41 AM	1.0000
18	280-30282-B-1	Unknown	139	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 1:16:30 PM	1.0000
19	280-30282-B-2	Unknown	175	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 1:33:18 PM	1.0000
20	280-30282-B-3	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 1:50:06 PM	1.0000
21	du 280-30282-B-3	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 2:06:55 PM	1.0000
22	ms 280-30282-B-3	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 2:23:43 PM	1.0000
23	msd 280-30282-B-3	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 2:40:31 PM	1.0000
24	280-30282-B-4	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 2:57:20 PM	1.0000
25	280-30282-B-5	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 3:14:08 PM	1.0000
26	280-30282-B-6	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 3:30:56 PM	1.0000
27	280-30282-B-7	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 3:47:45 PM	1.0000
28	CCV	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 4:04:34 PM	1.0000
29	CCB	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 4:21:22 PM	1.0000
30	280-30282-B-8	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 4:38:10 PM	1.0000
31	280-30282-B-9	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 4:54:58 PM	1.0000
32	280-30282-B-1 5x	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 5:11:47 PM	1.0000
33	280-30282-B-5 5x	Unknown	411	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 5:28:35 PM	1.0000
34	280-30282-B-6 5x	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 5:45:23 PM	1.0000
35	DU 280-30282-b-7	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 6:02:12 PM	1.0000
36	280-30282-B-8 5X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 6:19:00 PM	1.0000
37	280-30309-b-1 5X	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 6:35:48 PM	1.0000
38	280-30309-b-2 5X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 6:52:36 PM	1.0000
39	280-30309-b-1 10X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 7:09:24 PM	1.0000
40	CCV	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 7:26:12 PM	1.0000
41	CCB	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 7:43:00 PM	1.0000
42	280-30309-b-2 20X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 7:59:49 PM	1.0000
43	280-29669-a-1 5X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 8:16:37 PM	1.0000
44	280-29669-a-11	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 8:33:25 PM	1.0000

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/21/2012 8:59:20 AM by WETCHEMD
#Samples: 59 Last Update: 6/22/2012 2:23:56 PM by WETCHEMD

No.	Name	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	RT CHECK	1.0000	1.0000	100		EMK
2	cal1	1.0000	1.0000	101		EMK
3	cal2	1.0000	1.0000	102		EMK
4	cal3	1.0000	1.0000	103		EMK
5	cal4	1.0000	1.0000	104		EMK
6	cal5	1.0000	1.0000	105		EMK
7	cal6	1.0000	1.0000	106		EMK
8	BLK	1.0000	1.0000	107		EMK
9	ICV STD#00816	1.0000	1.0000	108		EMK
10	ICB	1.0000	1.0000	109		EMK
11	ICV STD#00820	1.0000	1.0000	110		EMK
12	ICB	1.0000	1.0000	111		EMK
13	MRL 0.05	1.0000	1.0000	112		EMK
14	MRL 0.02	1.0000	1.0000	113		EMK
15	LCS STD#00820	1.0000	1.0000	114		EMK
16	LCSD	1.0000	1.0000	115		EMK
17	MB	1.0000	1.0000	116		EMK
18	280-30282-B-1	1.0000	1.0000	117		EMK
19	280-30282-B-2	1.0000	1.0000	118		EMK
20	280-30282-B-3	1.0000	1.0000	119		EMK
21	du 280-30282-B-3	1.0000	1.0000	120		EMK
22	ms 280-30282-B-3	1.0000	1.0000	121		EMK
23	msd 280-30282-B-3	1.0000	1.0000	122		EMK
24	280-30282-B-4	1.0000	1.0000	123		EMK
25	280-30282-B-5	1.0000	1.0000	124		EMK
26	280-30282-B-6	1.0000	1.0000	125		EMK
27	280-30282-B-7	1.0000	1.0000	126		EMK
28	CCV	1.0000	1.0000	127		EMK
29	CCB	1.0000	1.0000	128		EMK
30	280-30282-B-8	1.0000	1.0000	129		EMK
31	280-30282-B-9	1.0000	1.0000	130		EMK
32	280-30282-B-1 5x	5.0000	1.0000	131		EMK
33	280-30282-B-5 5x	5.0000	1.0000	132		EMK
34	280-30282-B-6 5x	5.0000	1.0000	133		EMK
35	DU 280-30282-b-7	1.0000	1.0000	134		EMK
36	280-30282-B-8 5X	5.0000	1.0000	135		EMK
37	280-30309-b-1 5X	5.0000	1.0000	136		EMK
38	280-30309-b-2 5X	5.0000	1.0000	137		EMK
39	280-30309-b-1 10X	10.0000	1.0000	138		EMK
40	CCV	1.0000	1.0000	139		EMK
41	CCB	1.0000	1.0000	140		EMK
42	280-30309-b-2 20X	20.0000	1.0000	141		EMK
43	280-29669-a-1 5X	5.0000	1.0000	142		EMK
44	280-29669-a-11	1.0000	1.0000	143		EMK

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/21/2012 8:59:20 AM by WETCHEMD
#Samples: 59 Last Update: 6/22/2012 2:23:56 PM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time	Weight
45	280-29669-a-24 5X	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 8:50:13 PM	1.0000
46	280-29669-a-34 5X	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 9:07:02 PM	1.0000
47	280-29669-a-44 5X	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 9:23:50 PM	1.0000
48	280-29669-a-54 5X	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 9:40:38 PM	1.0000
49	280-29669-a-11 5X	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 10:19:10 PM	1.0000
50	lcs 280-125073/1-a	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 10:35:58 PM	1.0000
51	mb 280-125073/2-a	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 10:52:46 PM	1.0000
52	CCV	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 11:09:35 PM	1.0000
53	CCB	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 11:26:23 PM	1.0000
54	280-30013-a-1-k	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 11:43:11 PM	1.0000
55	280-30013-a-1-l du	Unknown	423	10.0	7 Anion	7 ANION AS11	Finished	6/21/2012 11:59:59 PM	1.0000
56	280-30013-a-1-m ms	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:16:47 AM	1.0000
57	CCV	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:33:36 AM	1.0000
58	CCB	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:50:24 AM	1.0000
59	END	Unknown	421	10.0	stop	7 ANION AS11	Finished	6/22/2012 1:07:12 AM	1.0000

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/21/2012 8:59:20 AM by WETCHEMD
#Samples: 59 Last Update: 6/22/2012 2:23:56 PM by WETCHEMD

No.	Name	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
45	280-29669-a-24 5X	5.0000	1.0000	144		EMK
46	280-29669-a-34 5X	5.0000	1.0000	145		EMK
47	280-29669-a-44 5X	5.0000	1.0000	146		EMK
48	280-29669-a-54 5X	5.0000	1.0000	147		EMK
49	280-29669-a-11 5X	5.0000	1.0000	148		EMK
50	lcs 280-125073/1-a	1.0000	1.0000	149		EMK
51	mb 280-125073/2-a	1.0000	1.0000	150		EMK
52	CCV	1.0000	1.0000	151		EMK
53	CCB	1.0000	1.0000	152		EMK
54	280-30013-a-1-k	1.0000	1.0000	153		EMK
55	280-30013-a-1-l du	1.0000	1.0000	154		EMK
56	280-30013-a-1-m ms	1.0000	1.0000	155		EMK
57	CCV	1.0000	1.0000	156		EMK
58	CCB	1.0000	1.0000	157		EMK
59	END	1.0000	1.0000	158		EMK

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Pressure.LowerLimit =              200 [psi]
           Pressure.UpperLimit =              3000 [psi]
           %A.Equate =                        "DI H2O"
           CR_TC =                            On
           Pump_InjectValve.State             LoadPosition
           Data_Collection_Rate =             5.0 [Hz]
           CellTemperature.Nominal =          35.0 [°C]
           ColumnTemperature.Nominal =        30.0 [°C]
           Suppressor_Type =                  ASRS_4mm
           ; Pump_ECD.Hydroxide =            50.0
           ; Pump_ECD.Recommended Current =   124
           ; Pump_ECD.Carbonate =             0.0
           ; Pump_ECD.Bicarbonate =           0.0
           ; Pump_ECD.Tetraborate =           0.0
           ; Pump_ECD.Other eluent =          0.0
           Suppressor_Current =               125 [mA]
           Flow =                             1.00 [ml/min]

-2.700     Pump_ECD_Relay_1.Open              Duration=0.01
           Concentration =                    10.00 [mM]
           Curve =                            5

-2.500     Pump_ECD_Relay_1.Closed            Duration=0.01

 0.000     Autozero
           ECD_1.AcqOn
           Pump_InjectValve.InjectPosition    Duration=720.00

 7.500     Concentration =                    10.00 [mM]
           Curve =                            5

10.500     Concentration =                    40.00 [mM]
           Curve =                            5

10.600     Concentration =                    50.00 [mM]
           Curve =                            5

12.500     Concentration =                    50.00 [mM]
           Curve =                            5

12.600     Concentration =                    10.00 [mM]
           Curve =                            5

13.000     Concentration =                    10.00 [mM]
```

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Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Curve =                          5

14.000     ECD_1.AcqOff
           End
```

Chromeleon © Dionex Corporation, Version 6.80 SP3 Build 2345 (128616)

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ
Timebase: ICS-8
Created: 3/20/2008 10:44:59 AM by kudlae
Changed: 3/31/2008 10:13:48 AM by kudlae

No.	Channel	Operation	Parameters

Title: Stop
Datasource: D3YCYMF1_local Created: 3/11/2008 4:10:47 PM by Test America Labs
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ
Timebase: ICS-8 Changed: 3/11/2008 4:10:47 PM by Test America Labs

```
           ColumnTemperature =                Off
           CellTemperature.Nominal =          Off
; Pump_ECD.Hydroxide =                        50.0
; Pump_ECD.Recommended Current =              124
; Pump_ECD.Carbonate =                        0.0
; Pump_ECD.Bicarbonate =                      0.0
; Pump_ECD.Tetraborate =                      0.0
; Pump_ECD.Other eluent =                     0.0
           Pressure.LowerLimit =              200
           Pressure.UpperLimit =              3000
           %A.Equate =                        "DI H2O"
           CR_TC =                            Off
           ;LoadPosition
           Data_Collection_Rate =             5.0
           Suppressor_Type =                  ASRS_4mm
           Suppressor_Current =               124
           Suppressor_Mode =                  Off
           ECD_Total.Step =                   0.50
           ECD_Total.Average =                Off
           Channel_Pressure.Step =            0.50
           Channel_Pressure.Average =         Off

           Pump_ECD_Relay_1.Open
           Concentration =                    10.00
           Curve =                            5

           Pump_ECD_Relay_1.State             Open
           Mode =                             Off
           Flow =                             1.00

 0.000     off

           End
```

Chromeleon © Dionex Corporation, Version 6.80 SP3 Build 2345 (128616)

Title: Stop
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ
Timebase: ICS-8
Created: 3/11/2008 4:10:47 PM by Test America Labs
Changed: 3/11/2008 4:10:47 PM by Test America Labs

No.	Channel	Operation	Parameters

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Blank Run Subtraction: No Blank Run Subtraction

Detection Table:

No.	Ret. Time [min]	Param. Name	Param. Value	Channel
1	0.000	Minimum Area	0.5E-3 "[Signal]*min"	All Channels
2	0.000	Sensitivity	0.8E-3 "[Signal]"	All Channels
3	0.000	Inhibit Integration	On	All Channels
4	0.000	Valley to Valley	On	All Channels
5	0.000	Fronting Sensitivity Factor	5.0	All Channels
6	0.000	Tailing Sensitivity Factor	6.0	All Channels
7	1.500	Void Volume Treatment	On	All Channels
8	1.500	Inhibit Integration	Off	All Channels
9	1.800	Void Volume Treatment	Off	All Channels
10	2.000	Maximum Width	0.75 min	All Channels
11	8.200	Inhibit Integration	On	All Channels
12	11.000	Inhibit Integration	Off	All Channels

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Group	Comment	Amount BLK	Amount cal1
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*		*Autogenerated*	*0.000000*	*0.200000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Amount cal2	Amount cal3	Amount cal4	Amount cal5	Amount cal6
1	*Fluoride*	*1.900 min*	*0.500000*	*1.000000*	*4.000000*	*8.000000*	*10.000000*
2	Acetate	2.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
3	Chloride	3.300 min	2.500000	5.000000	20.000000	40.000000	50.000000
4	Nitrite	3.800 min	0.500000	1.000000	4.000000	8.000000	10.000000
5	Bromide	6.300 min	0.500000	1.000000	4.000000	8.000000	10.000000
6	Nitrate	7.000 min	0.500000	1.000000	4.000000	8.000000	10.000000
7	Sulfate	11.400 min	2.500000	5.000000	20.000000	40.000000	50.000000
8	Ortho as P	12.600 min	0.500000	1.000000	4.000000	8.000000	10.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Left Limit	Right Limit	Group	Resp.Fact.
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*	*0.000*	*0.000*		*1.000000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Comment
1	*Fluoride*	*1.900 min*	*Autogenerated*
2	Acetate	2.700 min	Autogenerated
3	Chloride	3.300 min	Autogenerated
4	Nitrite	3.800 min	Autogenerated
5	Bromide	6.300 min	Autogenerated
6	Nitrate	7.000 min	Autogenerated
7	Sulfate	11.400 min	Autogenerated
8	Ortho as P	12.600 min	Autogenerated

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Smp.No.	Pos.	Inj. Vol.	Weight	ISTD Amount	Dil. Factor	Inj. Date/Time	Sample Comment
1	☒	cal1	2	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:31:	EMK
2	☒	cal2	3	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:47:	EMK
3	☒	cal3	4	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:04:	EMK
4	☒	cal4	5	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:21:	EMK
5	☒	cal5	6	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:38:	EMK
6	☒	cal6	7	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:55:	EMK

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Calib.	Comment
1	☒	cal1	Ok	
2	☒	cal2	Ok	
3	☒	cal3	Ok	
4	☒	cal4	Ok	
5	☒	cal5	Ok	
6	☒	cal6	Ok	

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Sample Condition	Test Condition	Aggregate	Operator	Value	Channel	Peak	N.A.
1									

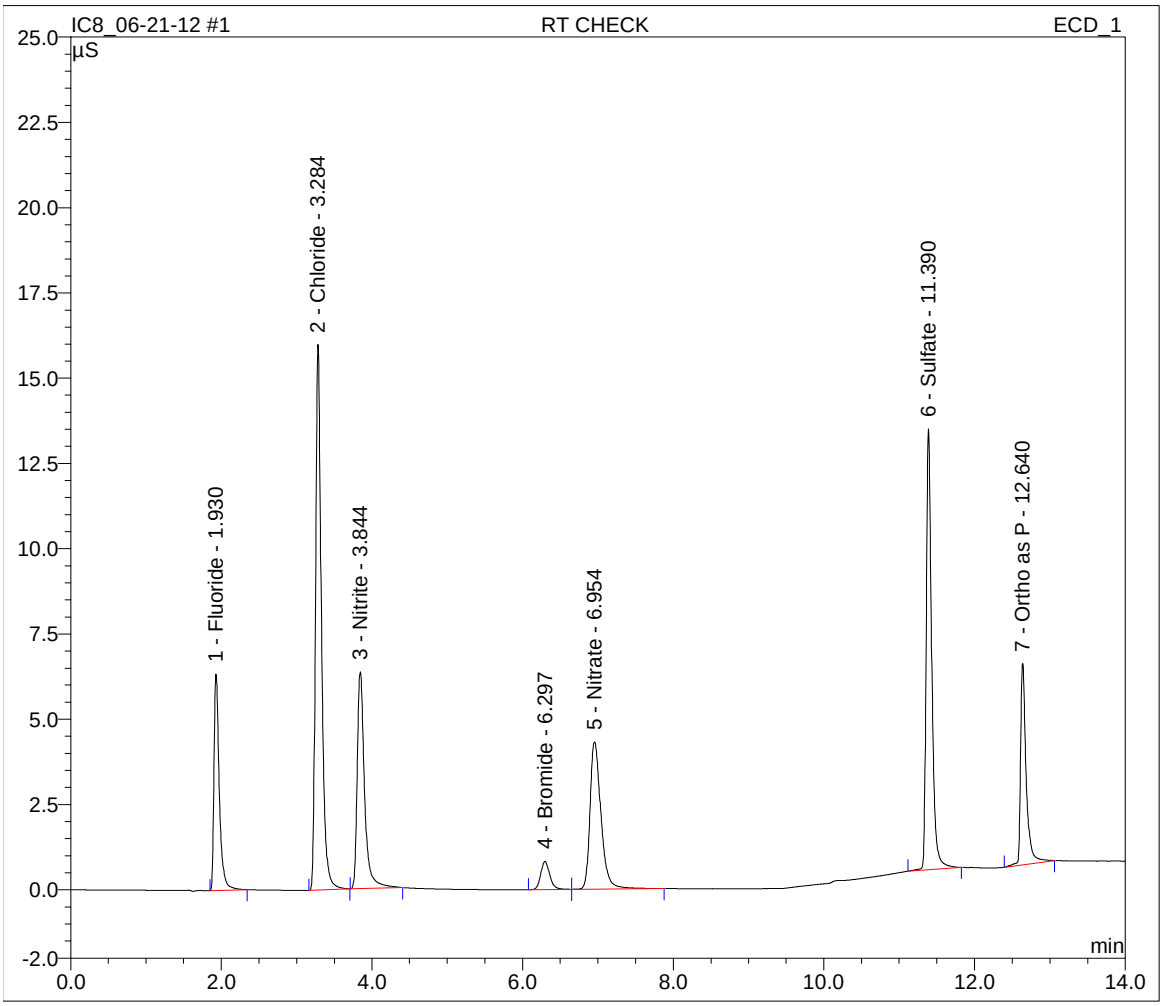
Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-21-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Fail-Action	Result	SST Message	Rounding
1					

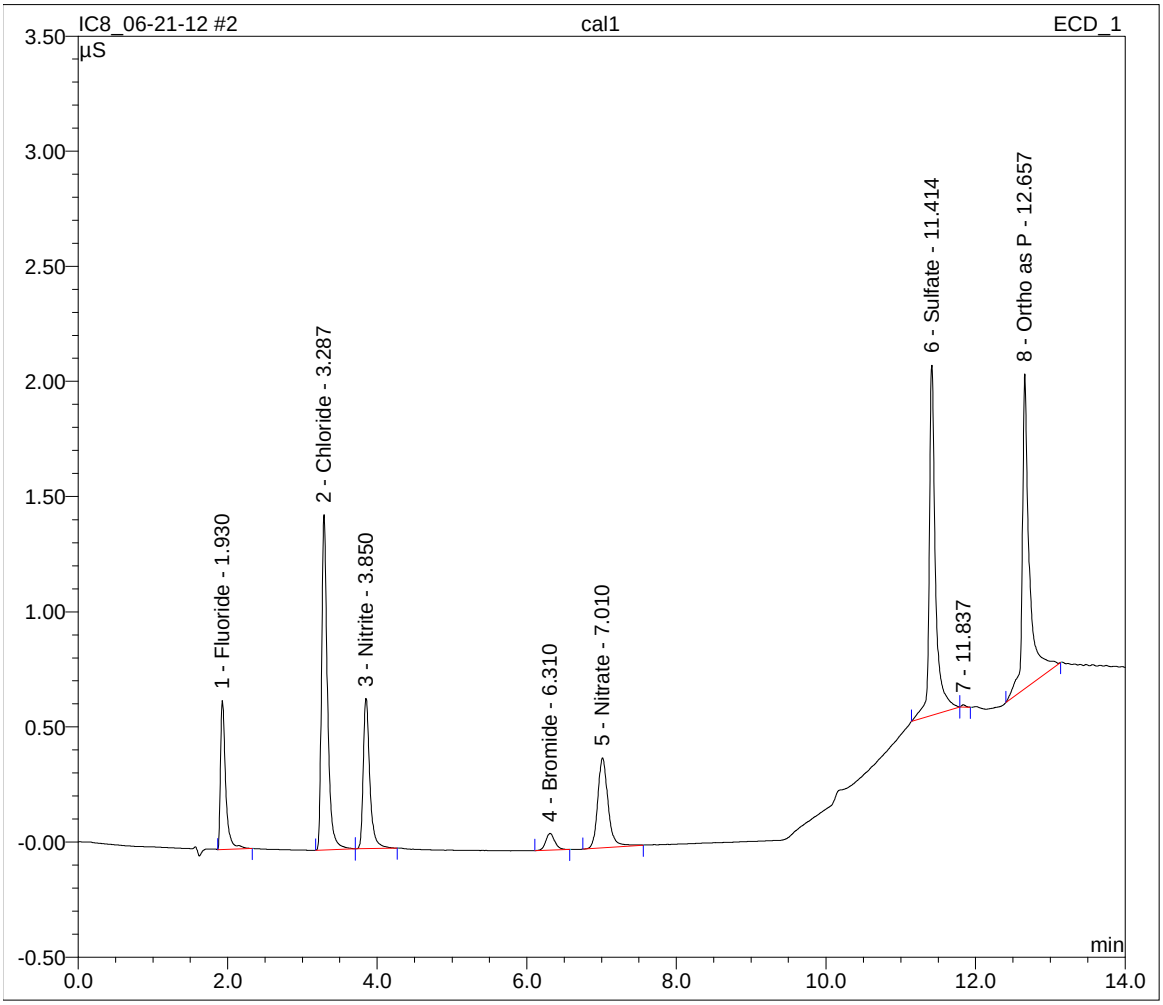
Sample Name:	**RT CHECK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.351	2.1852
2	3.28	Chloride	BMB	1.472	15.998	10.8467
3	3.84	Nitrite	BMB	0.714	6.365	1.9734
4	6.30	Bromide	BMB	0.115	0.825	2.0316
5	6.95	Nitrate	bMB	0.726	4.315	2.1359
6	11.39	Sulfate	BMB	1.098	12.924	10.0120
7	12.64	Ortho as P	BMB	0.504	5.904	2.0466
TOTAL:				5.14	52.68	31.23



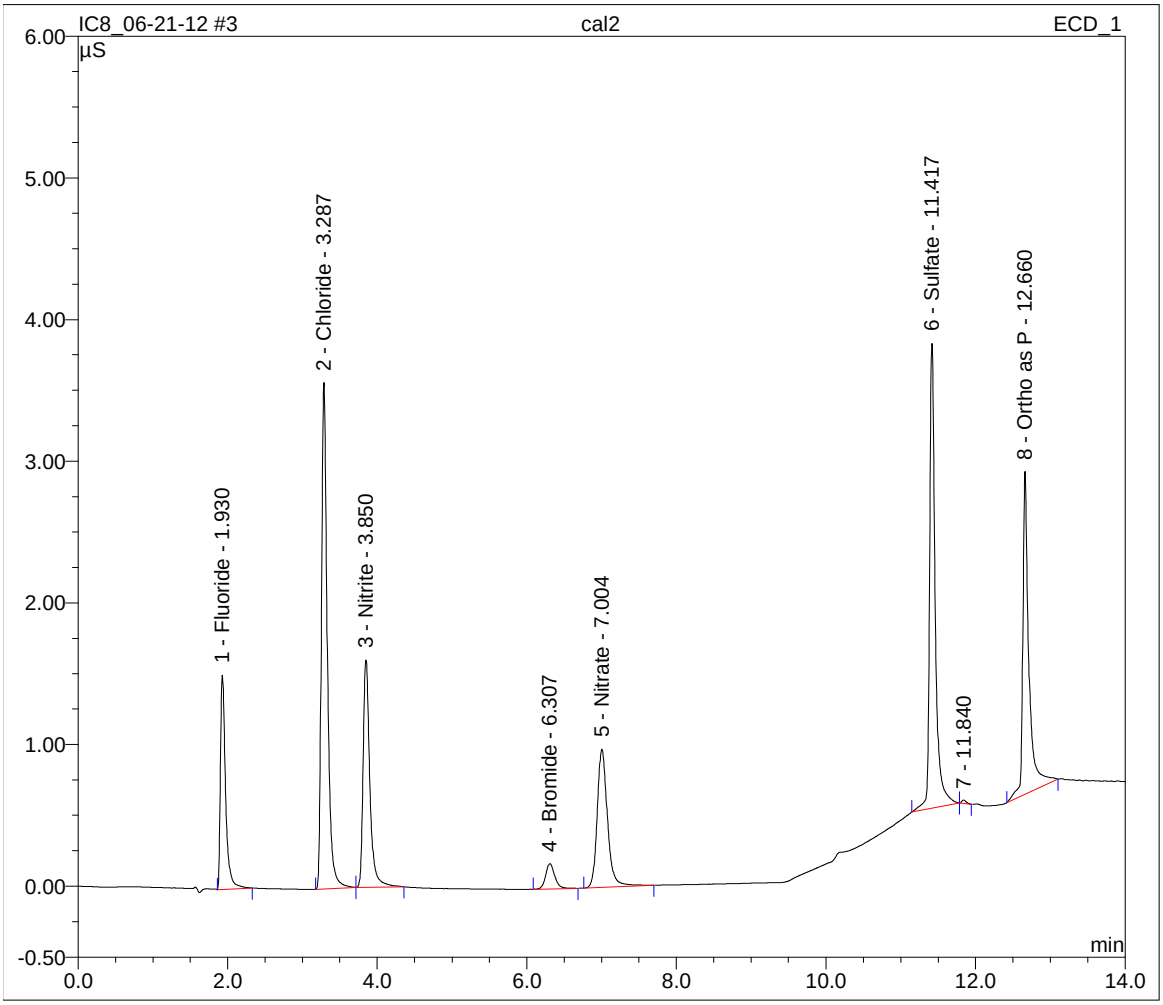
Sample Name:	**cal1**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:31**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.051	0.646	0.1970
2	3.29	Chloride	BMb	0.133	1.457	1.0400
3	3.85	Nitrite	bMB	0.066	0.652	0.2124
4	6.31	Bromide	BMB	0.010	0.073	0.2222
5	7.01	Nitrate	BMB	0.062	0.391	0.2154
6	11.41	Sulfate	BMb	0.146	1.521	1.0815
8	12.66	Ortho as P	BMB	0.151	1.367	0.1743
		TOTAL:		0.62	6.11	3.14



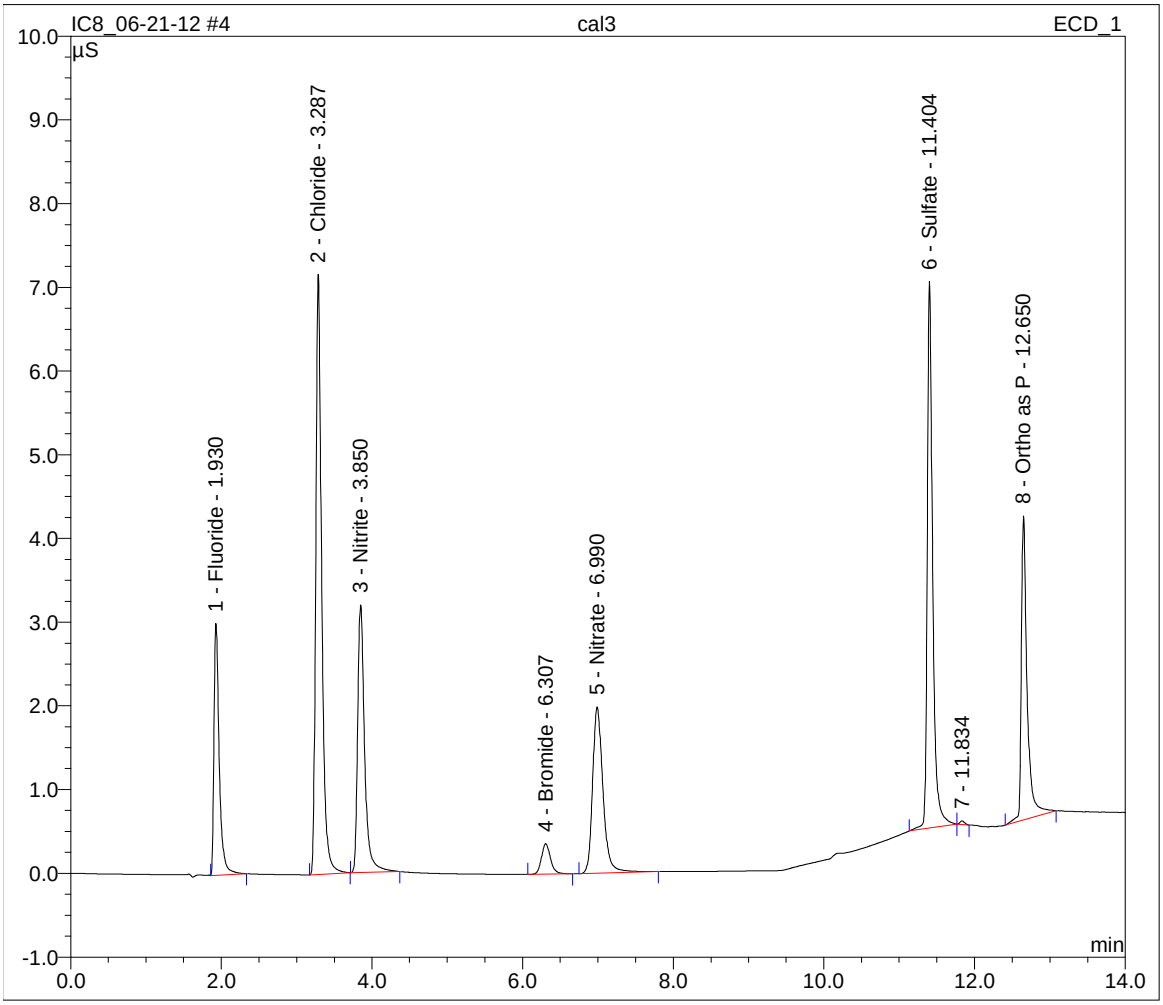
Sample Name:	**cal2**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.120	1.512	0.4922
2	3.29	Chloride	BMB	0.327	3.574	2.4601
3	3.85	Nitrite	BMB	0.167	1.604	0.4861
4	6.31	Bromide	BMB	0.025	0.178	0.4845
5	7.00	Nitrate	BMB	0.155	0.975	0.4831
6	11.42	Sulfate	BMb	0.284	3.282	2.3745
8	12.66	Ortho as P	BMB	0.216	2.278	0.5210
		TOTAL:		1.29	13.40	7.30



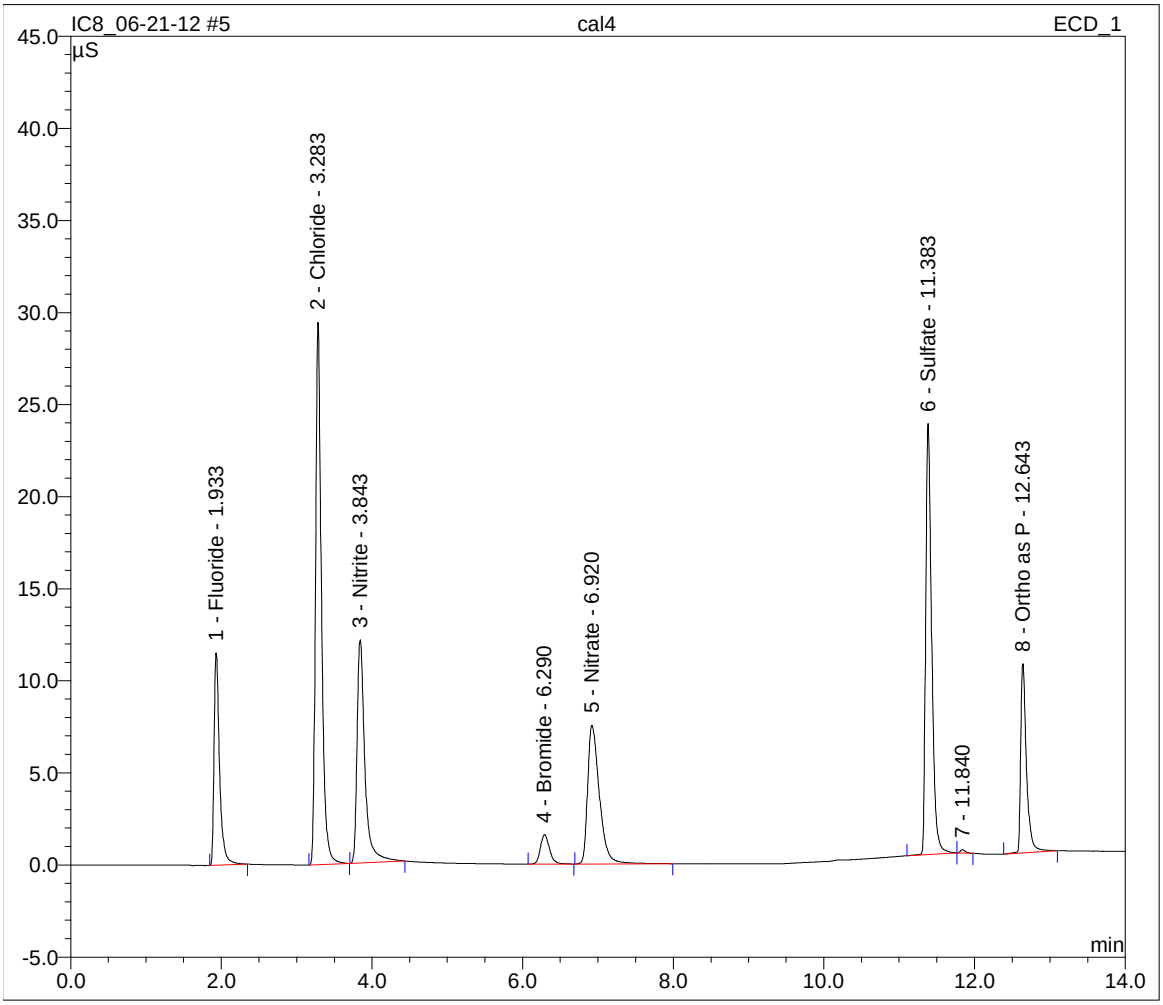
Sample Name:	**cal3**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.241	3.009	1.0119
2	3.29	Chloride	BMB	0.657	7.169	4.8803
3	3.85	Nitrite	BMB	0.341	3.199	0.9611
4	6.31	Bromide	BMB	0.051	0.365	0.9278
5	6.99	Nitrate	BMB	0.319	1.985	0.9575
6	11.40	Sulfate	BMb	0.545	6.532	4.8185
8	12.65	Ortho as P	BMB	0.320	3.633	1.0722
		TOTAL:		2.47	25.89	14.63



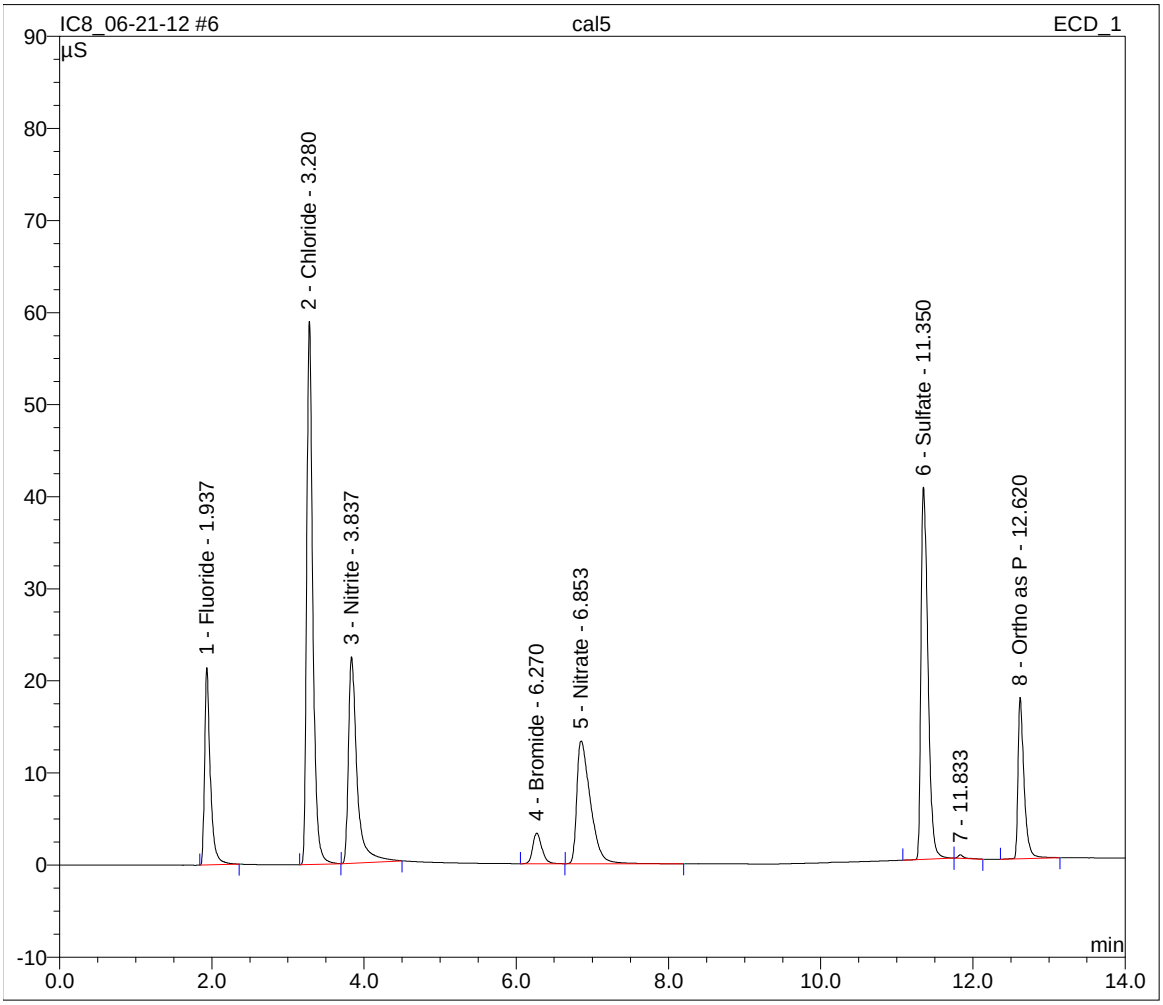
Sample Name:	**cal4**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.966	11.542	4.1247
2	3.28	Chloride	BMB	2.709	29.464	19.9102
3	3.84	Nitrite	BMB	1.456	12.120	3.9932
4	6.29	Bromide	BMB	0.223	1.604	3.8991
5	6.92	Nitrate	BMB	1.357	7.526	3.9629
6	11.38	Sulfate	BMb	2.162	23.410	20.0013
8	12.64	Ortho as P	BMB	0.901	10.280	4.1462
TOTAL:				9.77	95.95	60.04



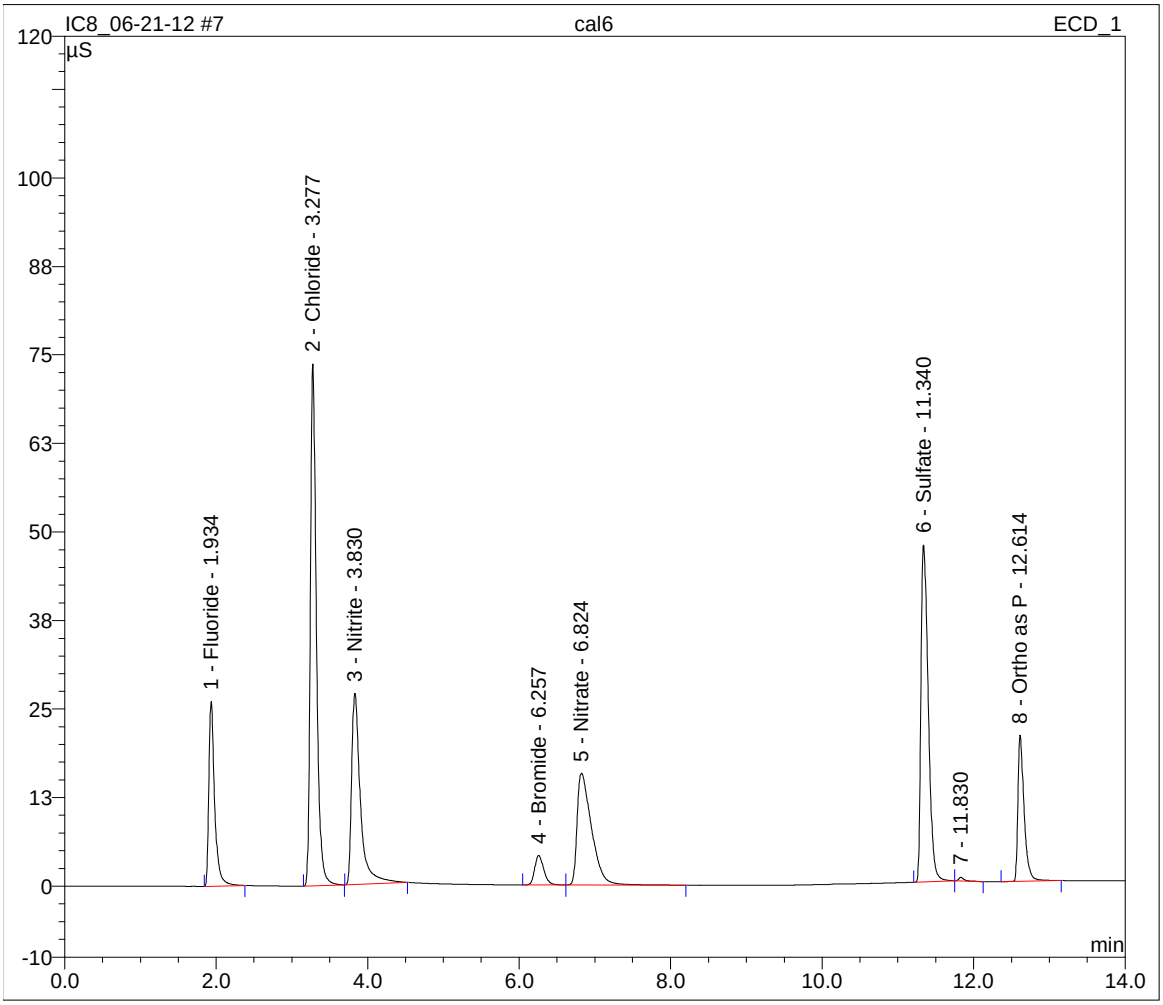
Sample Name:	**cal5**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	1.868	21.466	8.0002
2	3.28	Chloride	BMB	5.457	59.008	40.0443
3	3.84	Nitrite	BMB	2.954	22.426	8.0660
4	6.27	Bromide	BMB	0.462	3.324	8.0345
5	6.85	Nitrate	BMB	2.759	13.322	8.0199
6	11.35	Sulfate	BMb	4.302	40.425	40.0890
8	12.62	Ortho as P	BMB	1.622	17.507	7.9642
		TOTAL:		19.42	177.48	120.22



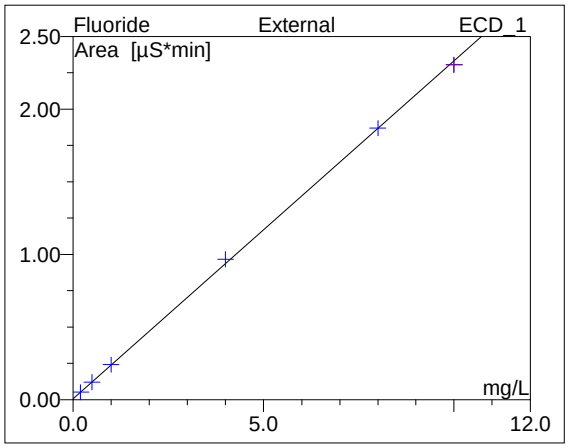
Sample Name:	**cal6**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:55**	*Run Time:*	**14.00**

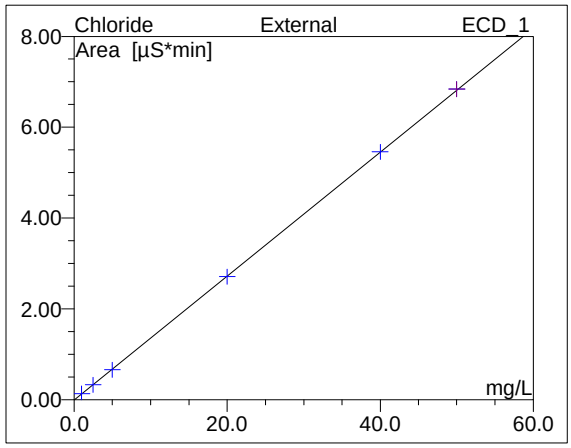
No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	2.304	26.065	9.8741
2	3.28	Chloride	BMB	6.838	73.679	50.1651
3	3.83	Nitrite	BMB	3.658	26.975	9.9812
4	6.26	Bromide	BMB	0.583	4.171	10.1319
5	6.82	Nitrate	BMB	3.465	15.767	10.0612
6	11.34	Sulfate	BMb	5.373	47.566	50.1352
8	12.61	Ortho as P	BMB	1.973	20.624	9.8221
		TOTAL:		24.19	214.85	150.17

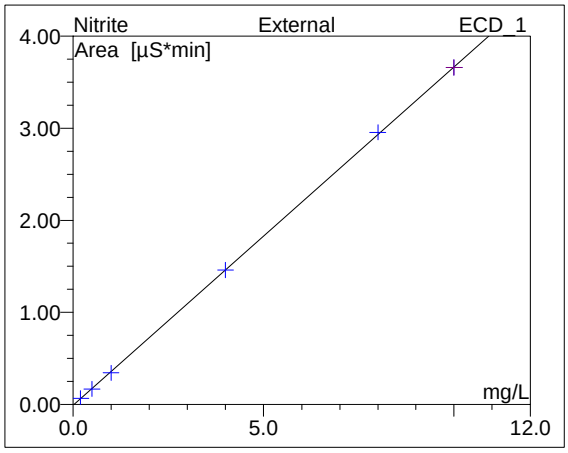


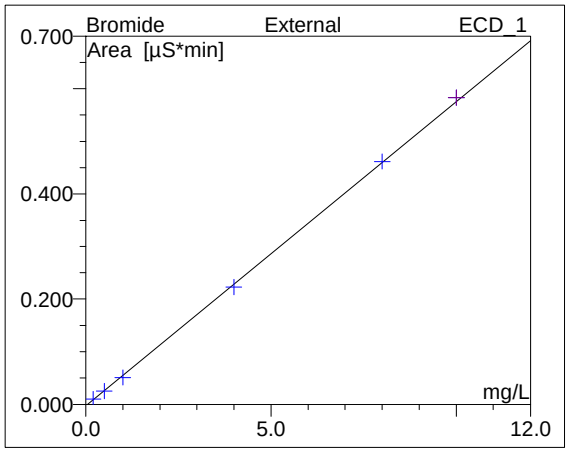
Calibration Batch Report

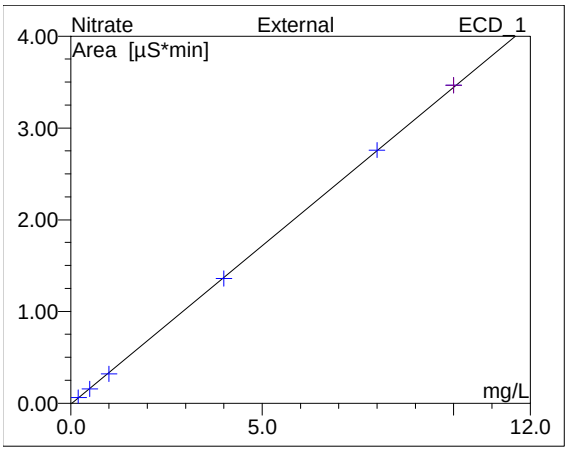
Sequence:	**IC8_06-21-12**	Inj. Vol.:	**10.0**
Program:	**7 Anion**	Operator:	**DENPC241**
Inj. Date/Time:	**06/18/12 14:55**	Run Time:	**14.00**

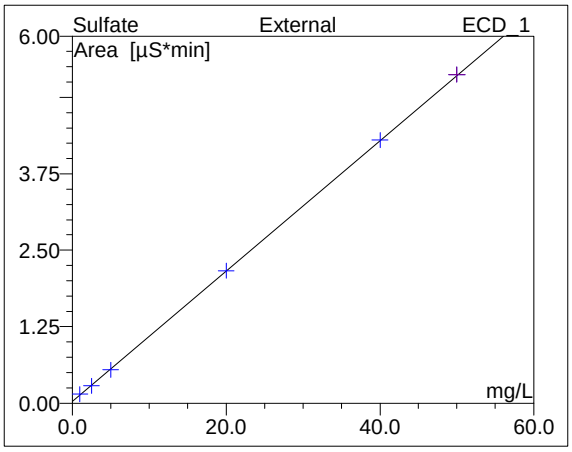




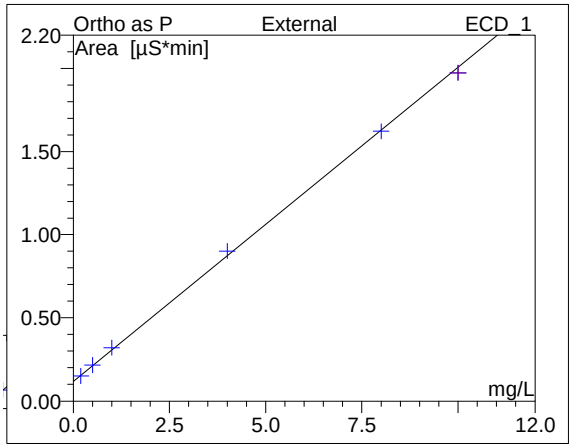








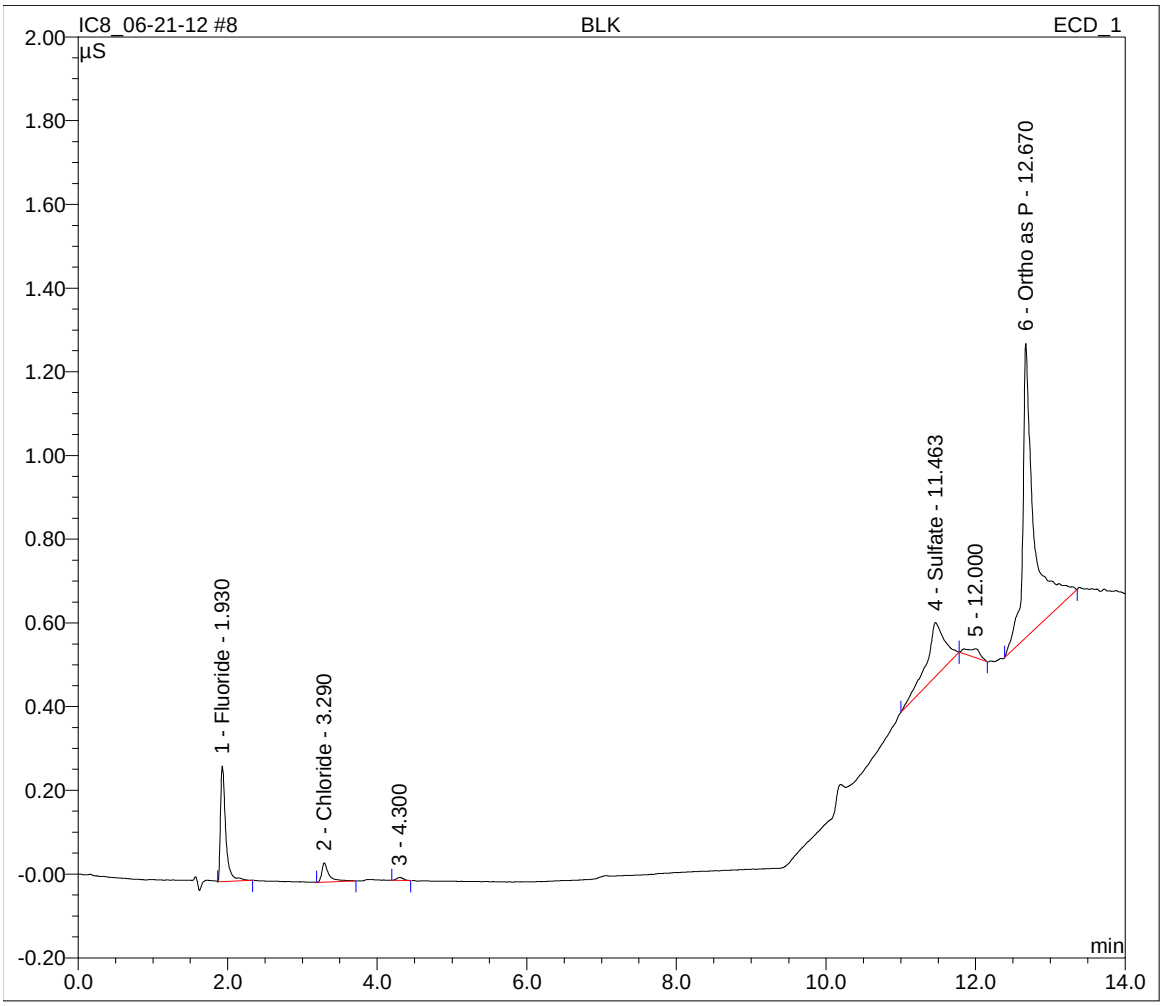
Program:	**7 Anion**	*Operator:*	**n.a.**
Ini. Date/Time:	**06/18/12 14:55**	*Run Time:*	**14.00**



No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
1	1.93	Fluoride	XLOff	6	0.005	0.233	0.000	99.985
2	3.28	Chloride	XLOff	6	-0.009	0.136	0.000	99.997
3	3.83	Nitrite	XLOff	6	-0.012	0.368	0.000	99.992
4	6.26	Bromide	XLOff	6	-0.003	0.058	0.000	99.968
5	6.82	Nitrate	XLOff	6	-0.012	0.346	0.000	99.989
6	11.34	Sulfate	XLOff	6	0.031	0.107	0.000	99.990
8	12.61	Ortho as P	XLOff	6	0.118	0.189	0.000	99.954
AVERAGE:					0.0169	0.2051	0.0000	99.9819

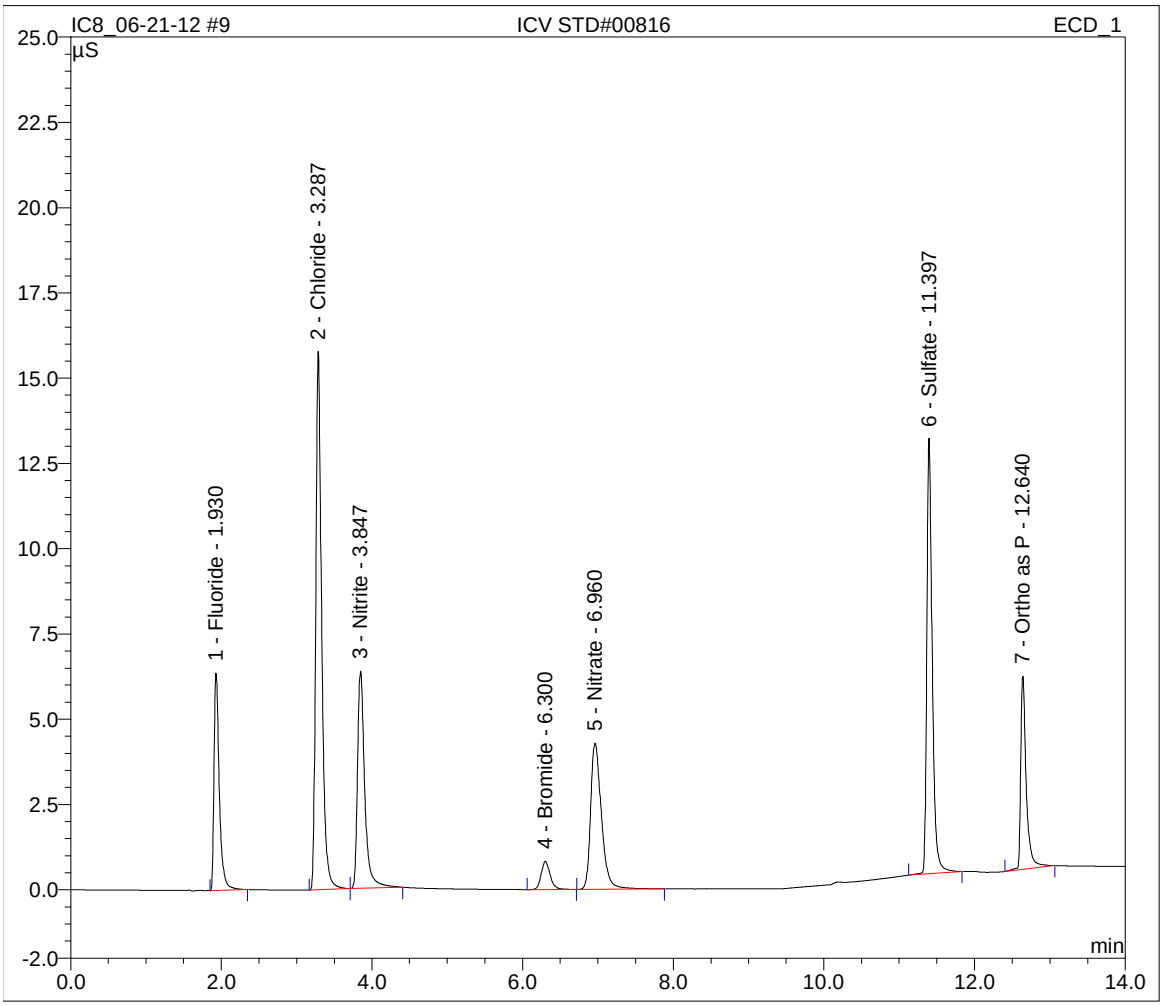
Sample Name:	**BLK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.022	0.276	0.0725
2	3.29	Chloride	BMB	0.005	0.046	0.1031
4	11.46	Sulfate	BMb	0.036	0.129	0.0502
6	12.67	Ortho as P	BMB	0.125	0.703	0.0382
		TOTAL:		0.19	1.15	0.26



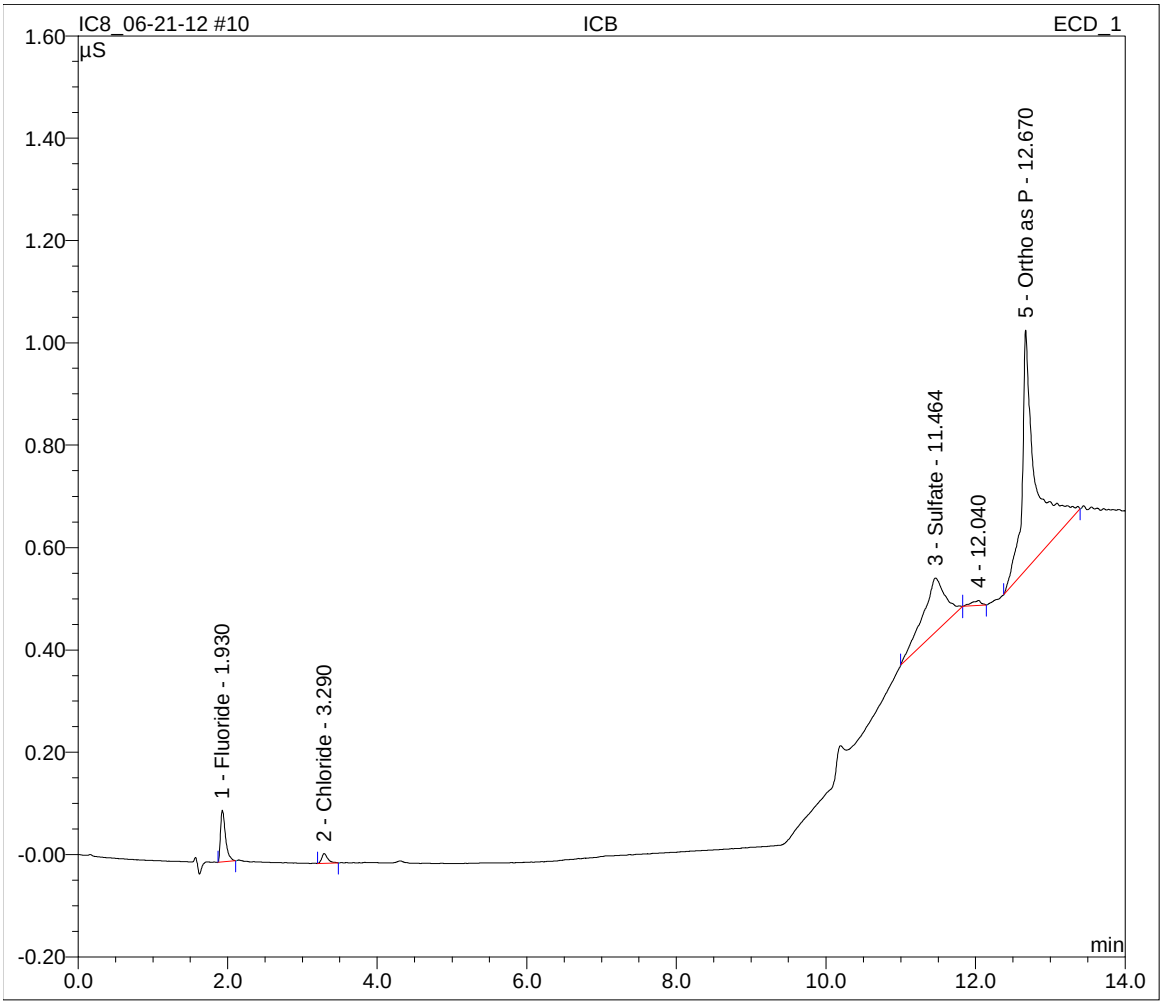
Sample Name:	**ICV STD#00816**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.382	2.1868
2	3.29	Chloride	BMB	1.448	15.777	10.6712
3	3.85	Nitrite	BMB	0.706	6.368	1.9529
4	6.30	Bromide	BMB	0.115	0.825	2.0290
5	6.96	Nitrate	BMB	0.713	4.281	2.0989
6	11.40	Sulfate	BMB	1.070	12.766	9.7526
7	12.64	Ortho as P	BMB	0.474	5.668	1.8875
TOTAL:				5.04	52.07	30.58



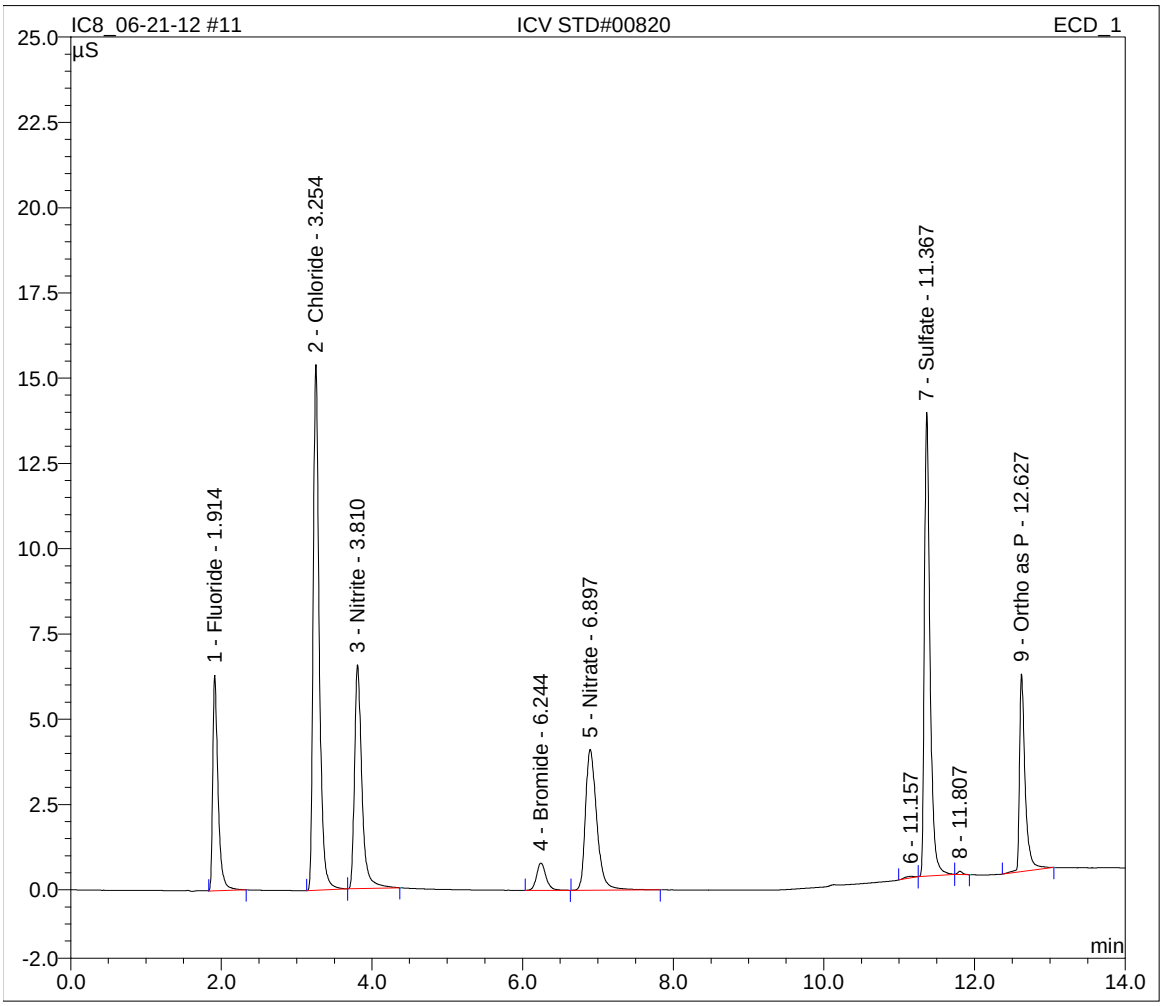
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.008	0.101	0.0103
2	3.29	Chloride	BMB	0.002	0.019	0.0781
3	11.46	Sulfate	BMb	0.037	0.106	0.0582
5	12.67	Ortho as P	BMB	0.100	0.469	-0.0954
		TOTAL:		0.15	0.69	0.05



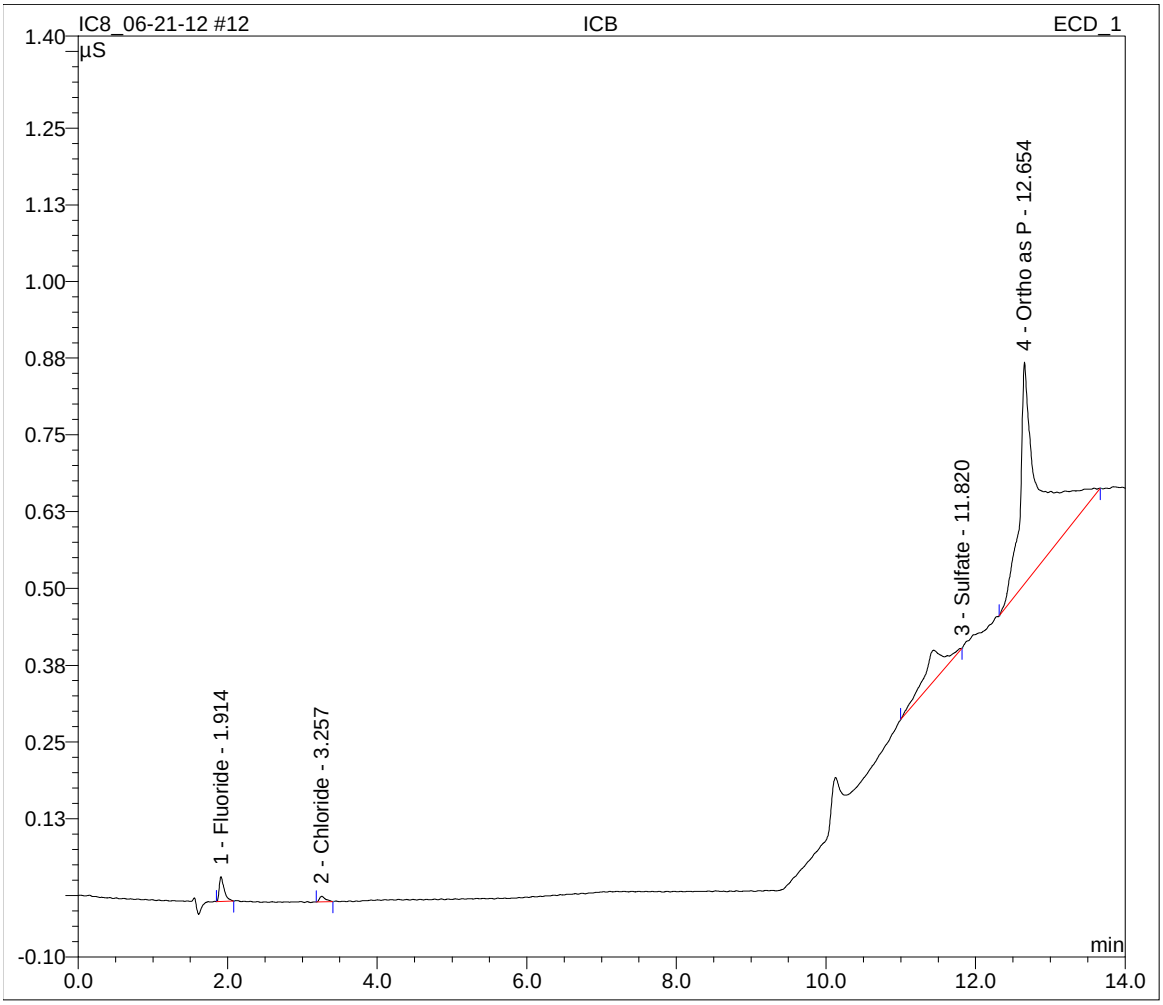
Sample Name:	**ICV STD#00820**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 09:29**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.516	6.322	2.1924
2	3.25	Chloride	BMb	1.433	15.409	10.5650
3	3.81	Nitrite	bMB	0.742	6.572	2.0515
4	6.24	Bromide	BMB	0.115	0.799	2.0405
5	6.90	Nitrate	BMB	0.717	4.127	2.1107
7	11.37	Sulfate	bMb	1.175	13.593	10.7330
9	12.63	Ortho as P	BMB	0.502	5.798	2.0332
		TOTAL:		5.20	52.62	31.73



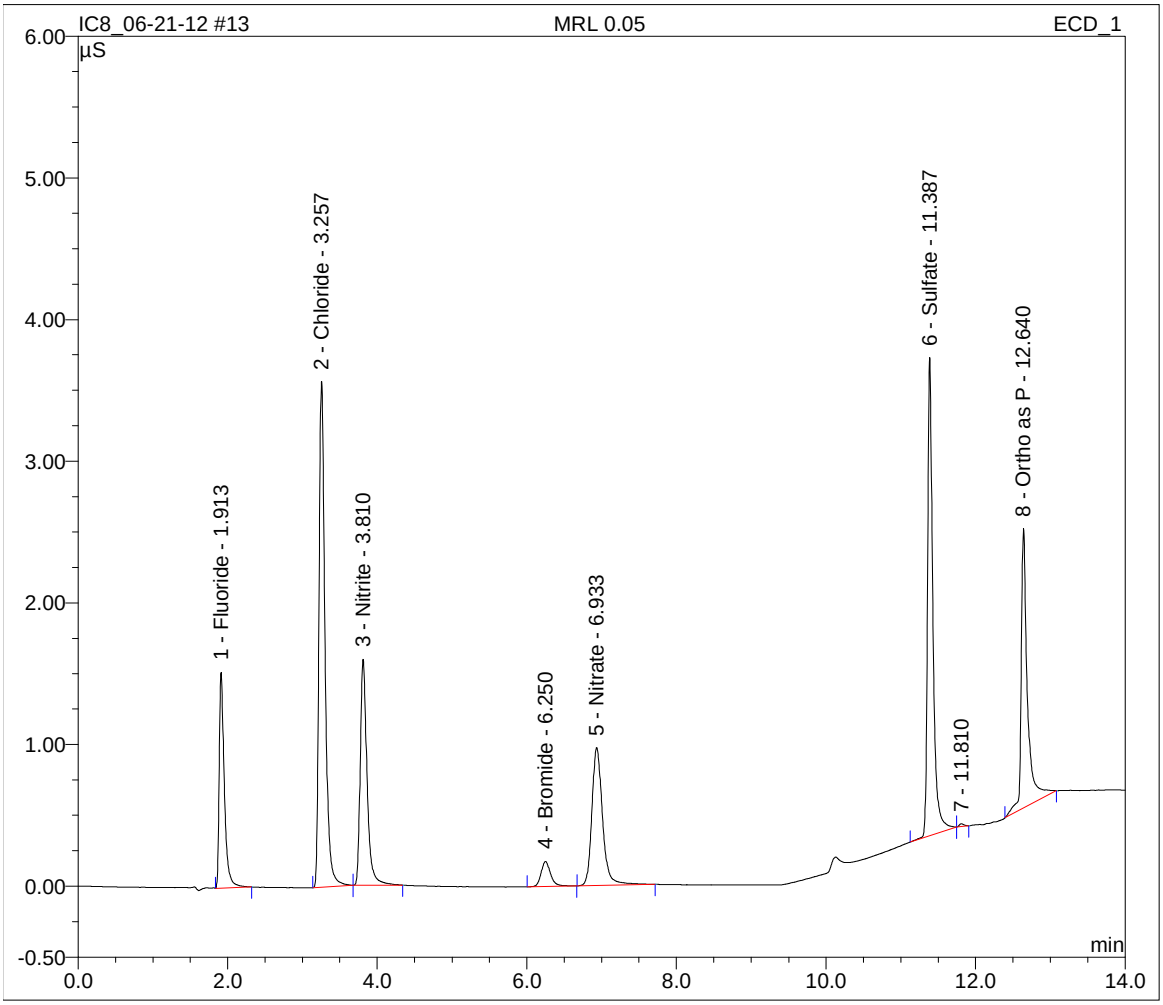
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 09:46**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.003	0.040	-0.0095
2	3.26	Chloride	BMB	0.001	0.009	0.0714
3	11.82	Sulfate	BMB	0.016	0.000	-0.1453
4	12.65	Ortho as P	BMB	0.117	0.361	-0.0073
TOTAL:				0.14	0.41	-0.09



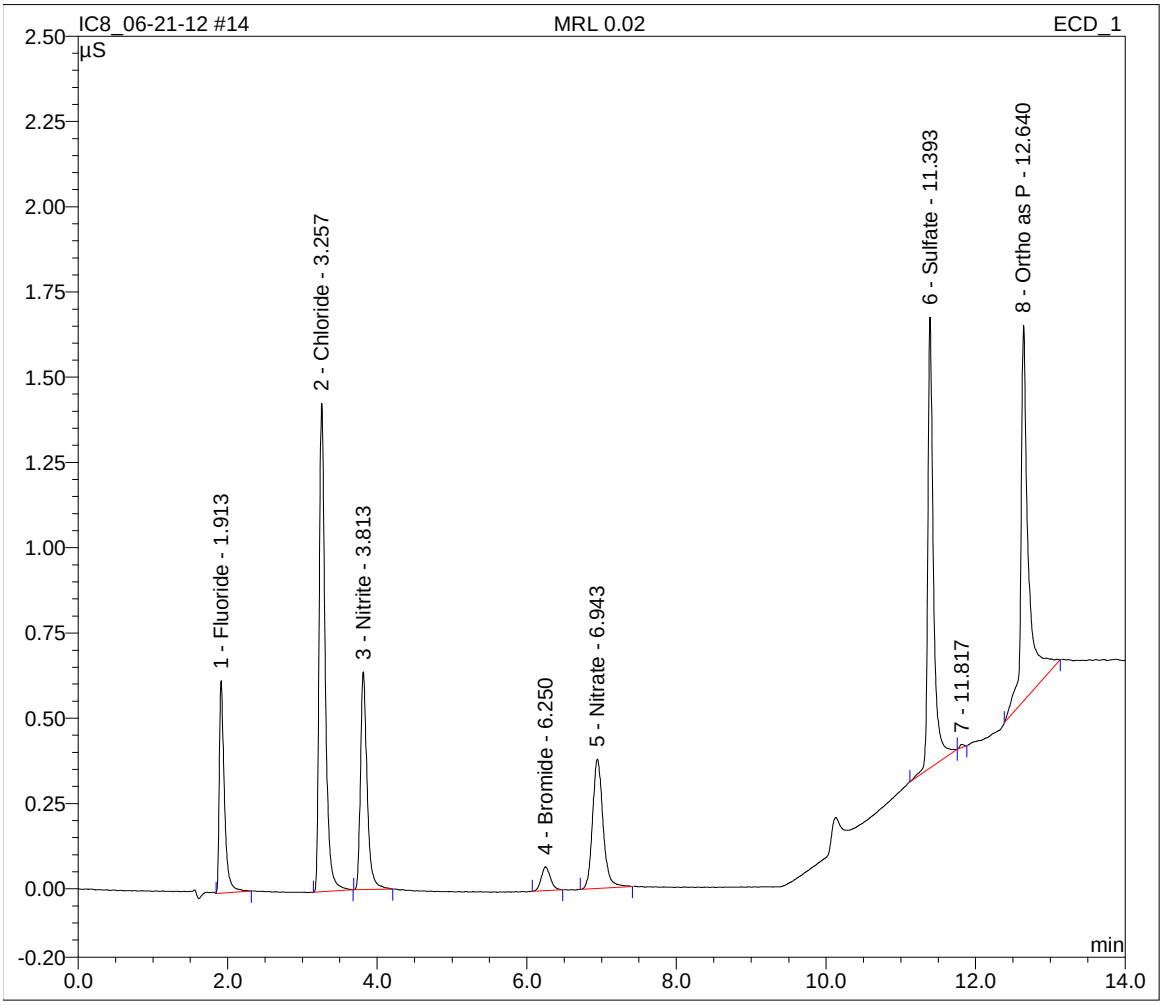
Sample Name:	**MRL 0.05**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 10:03**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.122	1.525	0.4999
2	3.26	Chloride	BMB	0.333	3.568	2.5080
3	3.81	Nitrite	bMB	0.168	1.597	0.4904
4	6.25	Bromide	BMB	0.026	0.177	0.4992
5	6.93	Nitrate	BMB	0.161	0.973	0.5011
6	11.39	Sulfate	BMB	0.279	3.375	2.3277
8	12.64	Ortho as P	BMB	0.189	1.973	0.3758
		TOTAL:		1.28	13.19	7.20



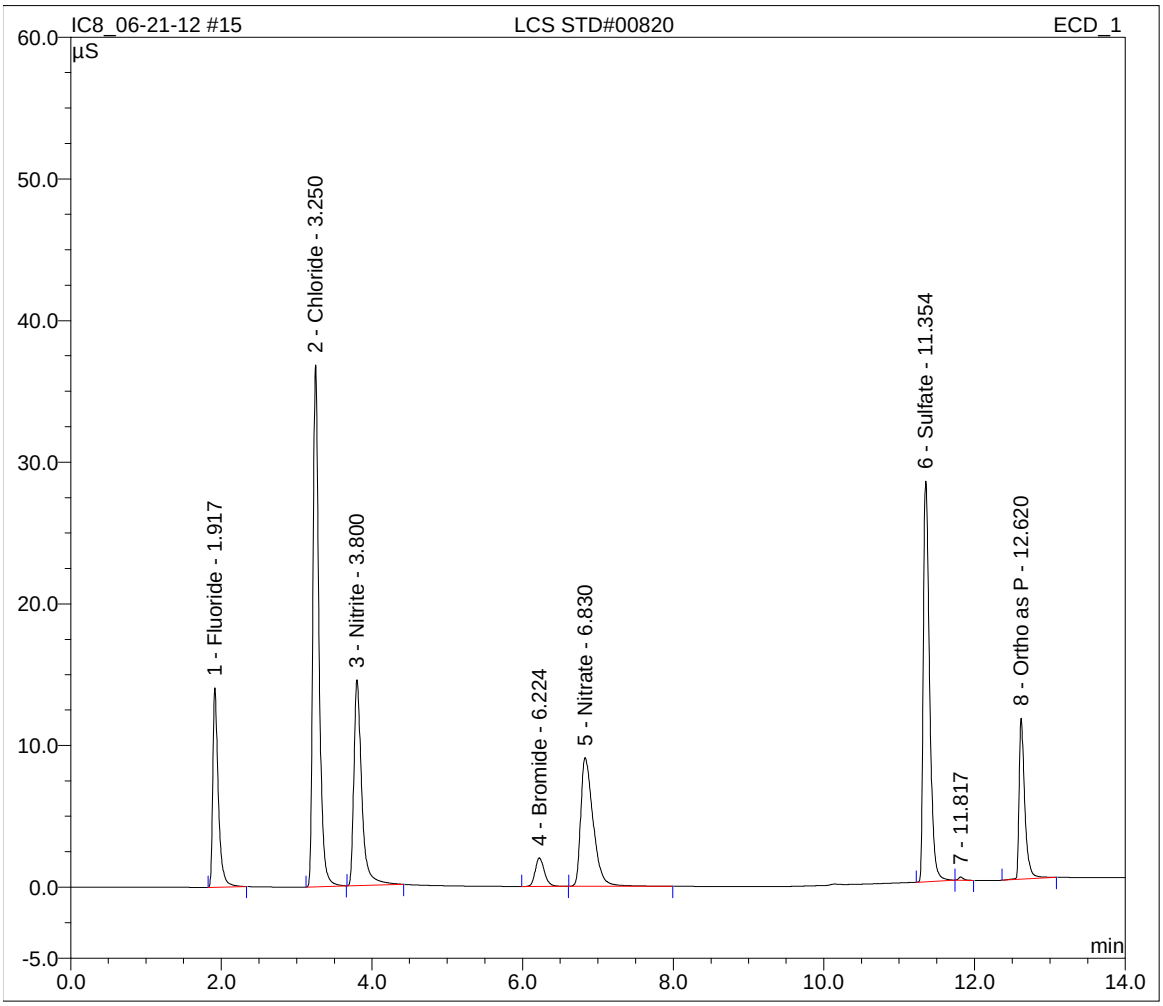
Sample Name:	**MRL 0.02**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 10:20**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.050	0.622	0.1900
2	3.26	Chloride	BMB	0.133	1.432	1.0414
3	3.81	Nitrite	BMB	0.065	0.639	0.2111
4	6.25	Bromide	BMB	0.010	0.070	0.2195
5	6.94	Nitrate	BMB	0.062	0.379	0.2129
6	11.39	Sulfate	BMB	0.115	1.322	0.7882
8	12.64	Ortho as P	BMB	0.127	1.103	0.0471
TOTAL:				0.56	5.57	2.71



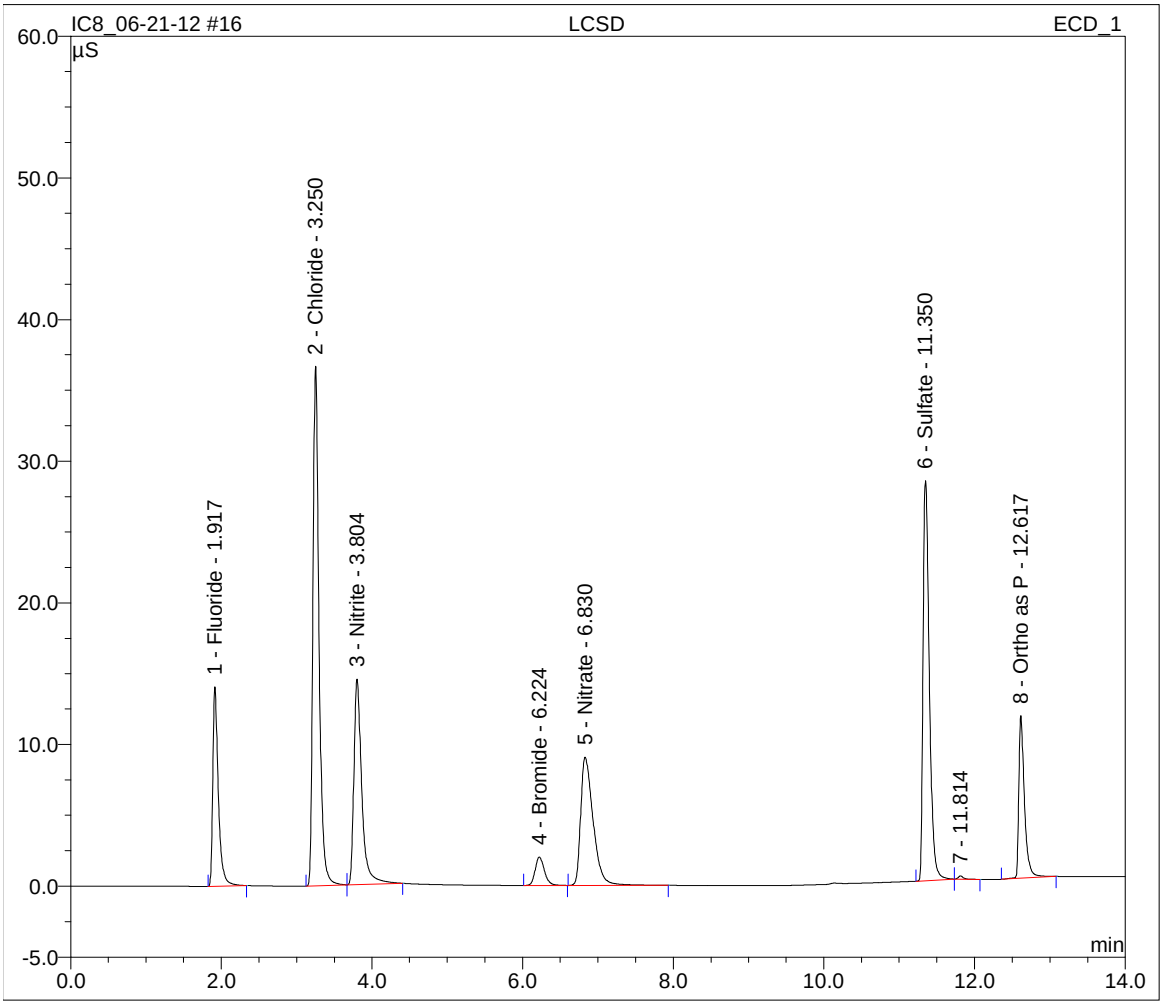
Sample Name:	**LCS STD#00820**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 10:37**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.194	14.073	5.1046
2	3.25	Chloride	BMB	3.430	36.837	25.1923
3	3.80	Nitrite	BMB	1.755	14.517	4.8062
4	6.22	Bromide	BMB	0.287	2.017	5.0100
5	6.83	Nitrate	BMB	1.732	9.084	5.0462
6	11.35	Sulfate	BMb	2.736	28.286	25.3917
8	12.62	Ortho as P	BMB	0.985	11.362	4.5930
		TOTAL:		12.12	116.18	75.14



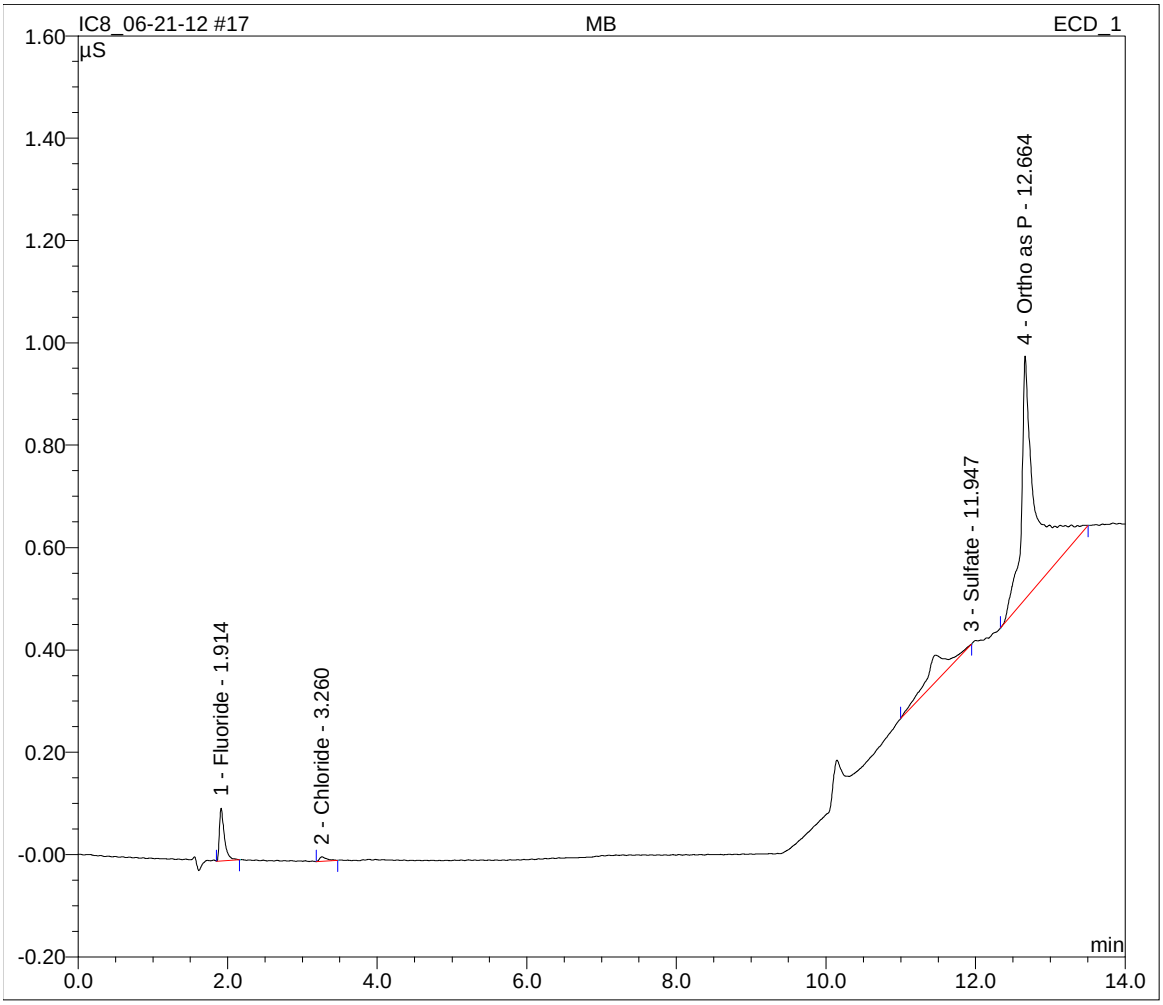
Sample Name:	**LCSD**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 10:53**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.195	14.075	5.1095
2	3.25	Chloride	BMB	3.425	36.668	25.1577
3	3.80	Nitrite	bMB	1.750	14.488	4.7924
4	6.22	Bromide	BMB	0.287	2.010	5.0090
5	6.83	Nitrate	BMB	1.731	9.048	5.0449
6	11.35	Sulfate	BMb	2.730	28.227	25.3346
8	12.62	Ortho as P	BMB	1.000	11.468	4.6720
		TOTAL:		12.12	115.98	75.12



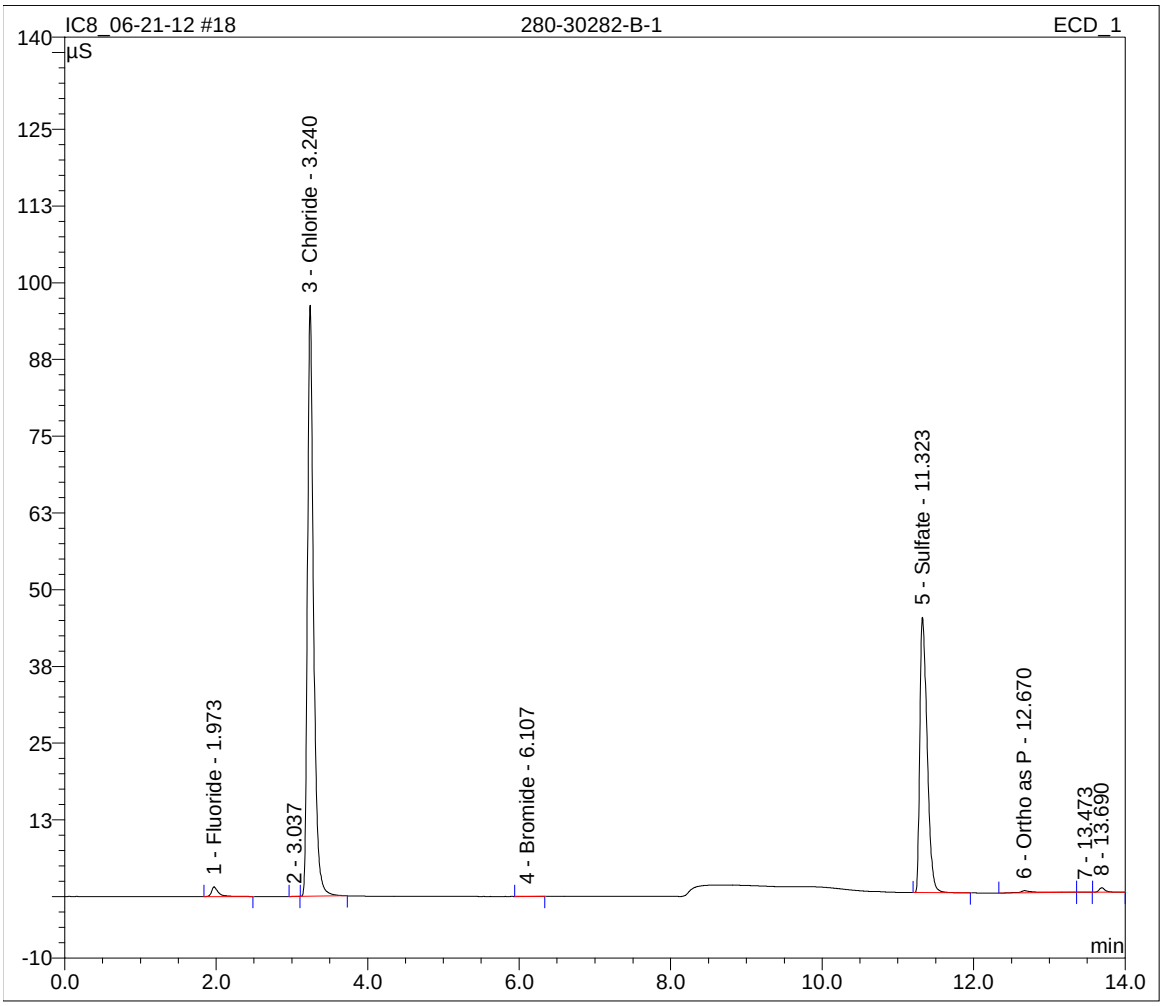
Sample Name:	**MB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 11:10**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.008	0.103	0.0114
2	3.26	Chloride	BMB	0.001	0.009	0.0723
3	11.95	Sulfate	BMB	0.016	0.000	-0.1387
4	12.66	Ortho as P	BMB	0.112	0.474	-0.0336
TOTAL:				0.14	0.59	-0.09



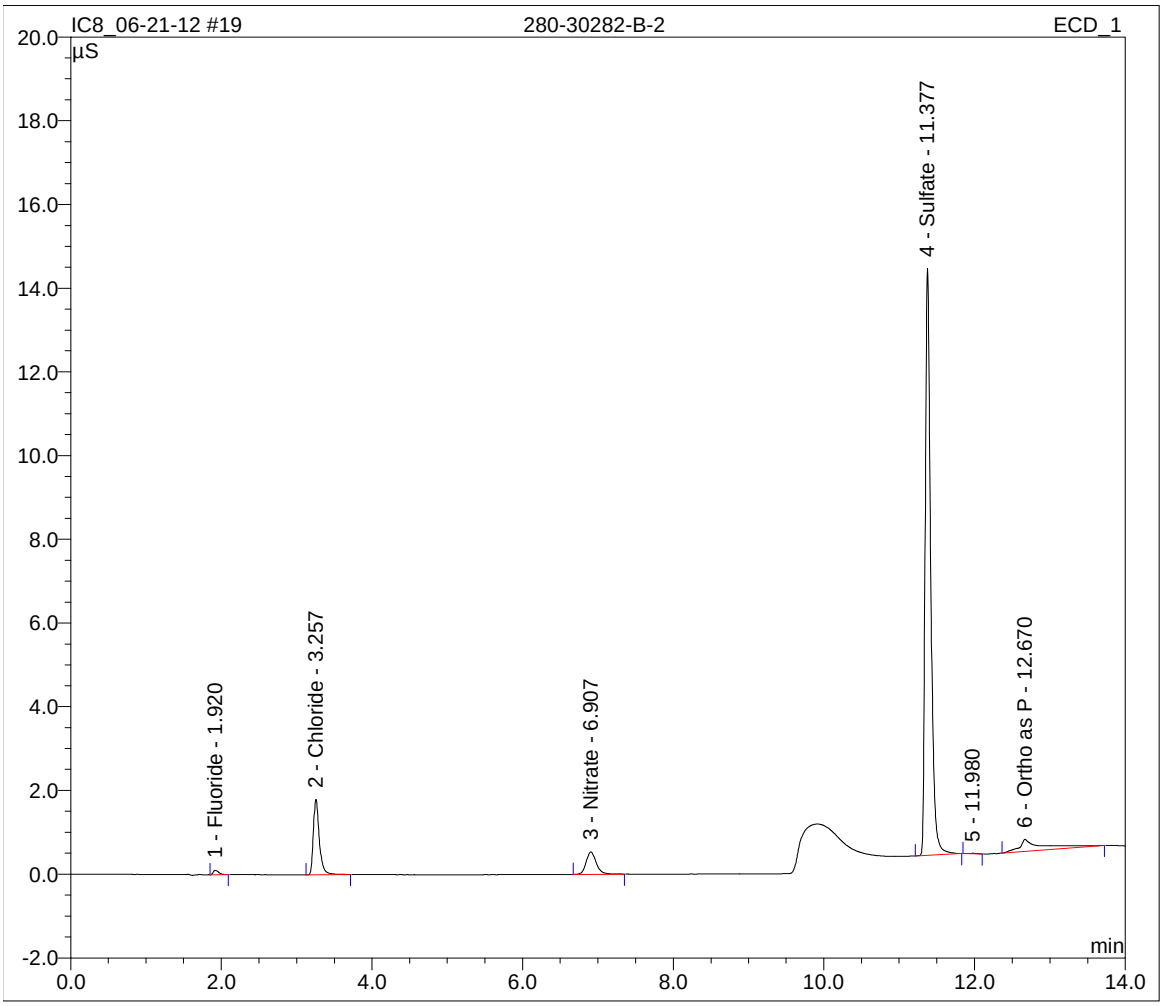
Sample Name:	**280-30282-B-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 13:16**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.97	Fluoride	BMB	0.165	1.575	0.6843
3	3.24	Chloride	BMB	9.001	96.283	66.0069
4	6.11	Bromide	BMB	0.004	0.032	0.1242
5	11.32	Sulfate	BMB	5.060	44.871	47.1987
6	12.67	Ortho as P	BMB	0.082	0.351	-0.1879
		TOTAL:		14.31	143.11	113.83



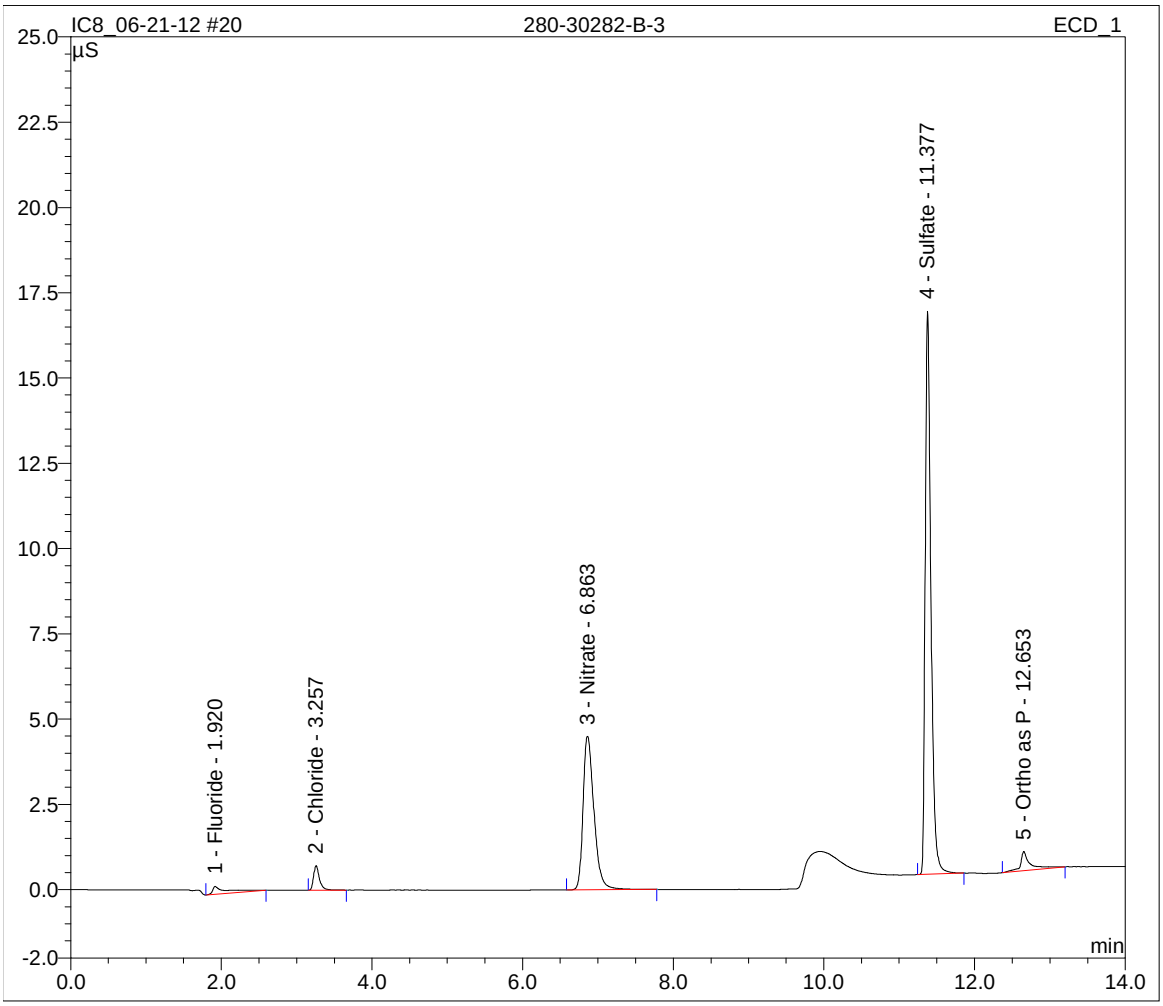
Sample Name:	**280-30282-B-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 13:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.009	0.104	0.0138
2	3.26	Chloride	BMB	0.165	1.797	1.2738
3	6.91	Nitrate	BMB	0.083	0.535	0.2751
4	11.38	Sulfate	BMB	1.197	14.022	10.9467
6	12.67	Ortho as P	BMB	0.101	0.286	-0.0878
		TOTAL:		1.56	16.74	12.42



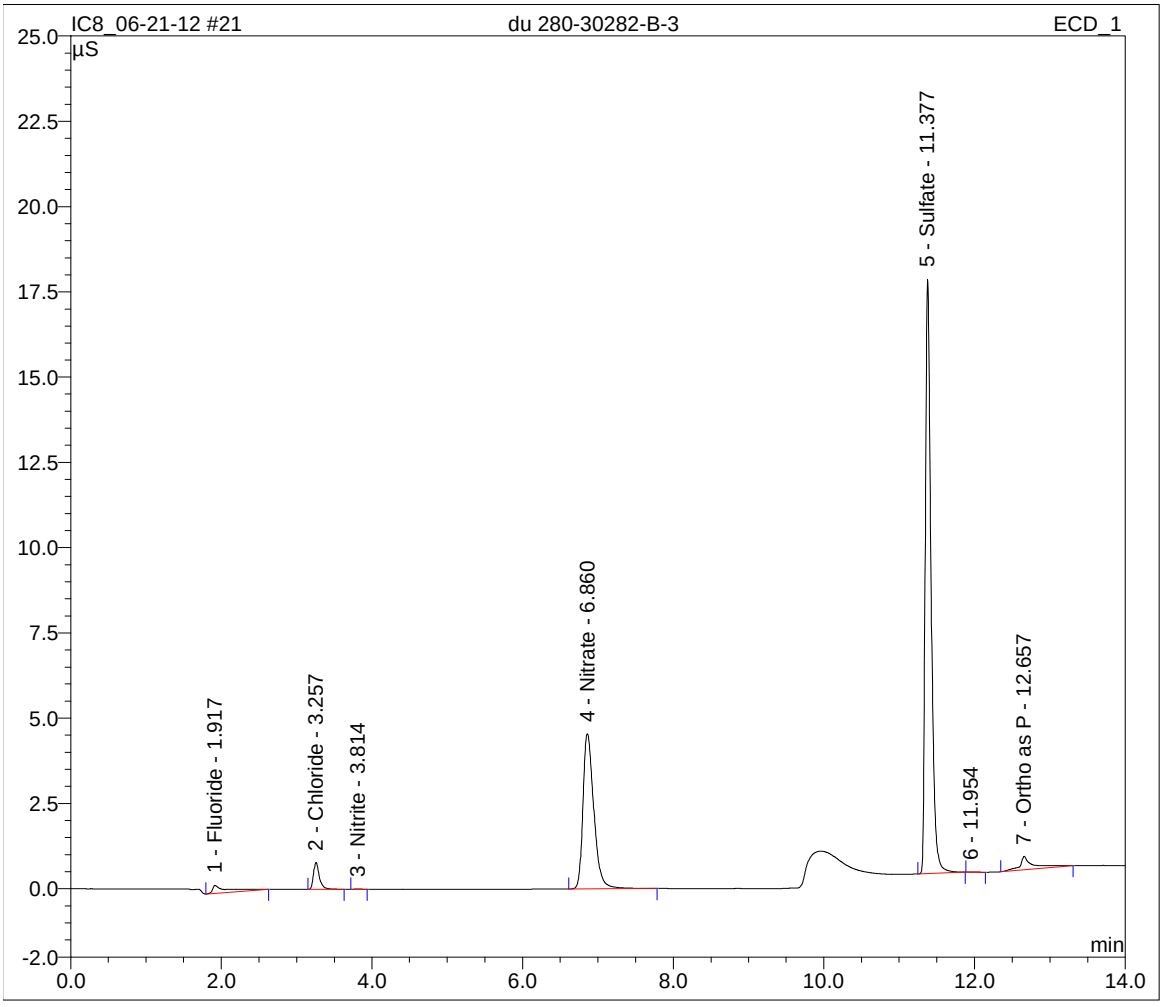
Sample Name:	**280-30282-B-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 13:50**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.052	0.230	0.1990
2	3.26	Chloride	BMB	0.065	0.717	0.5431
3	6.86	Nitrate	BMB	0.757	4.498	2.2248
4	11.38	Sulfate	BMB	1.456	16.512	13.3770
5	12.65	Ortho as P	BMB	0.084	0.566	-0.1798
		TOTAL:		2.41	22.52	16.16



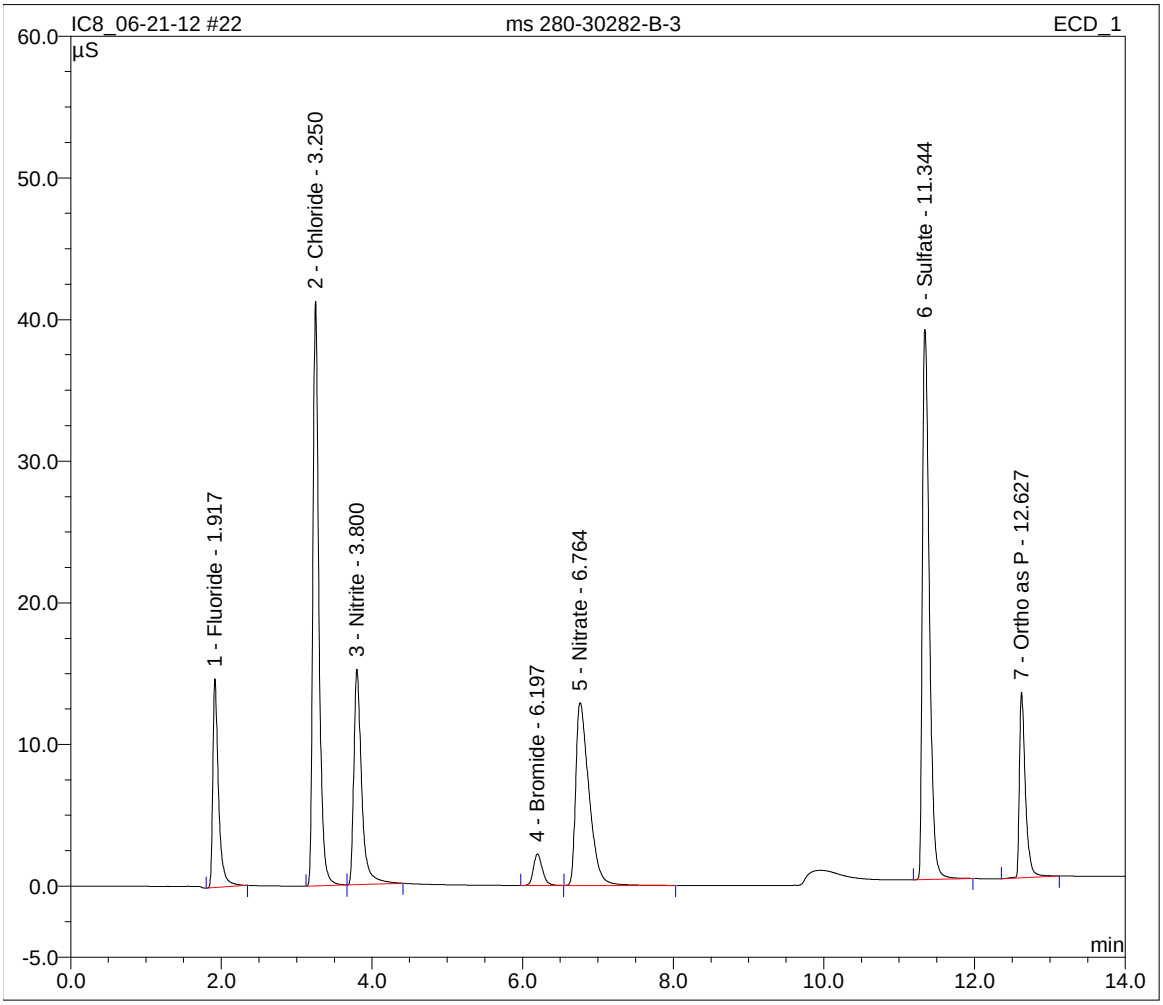
Sample Name:	**du 280-30282-B-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 14:06**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.055	0.235	0.2140
2	3.26	Chloride	BMB	0.071	0.784	0.5853
3	3.81	Nitrite	BMB	0.001	0.008	0.0352
4	6.86	Nitrate	BMB	0.760	4.544	2.2353
5	11.38	Sulfate	BMB	1.553	17.430	14.2859
7	12.66	Ortho as P	BMB	0.078	0.394	-0.2109
		TOTAL:		2.52	23.39	17.14



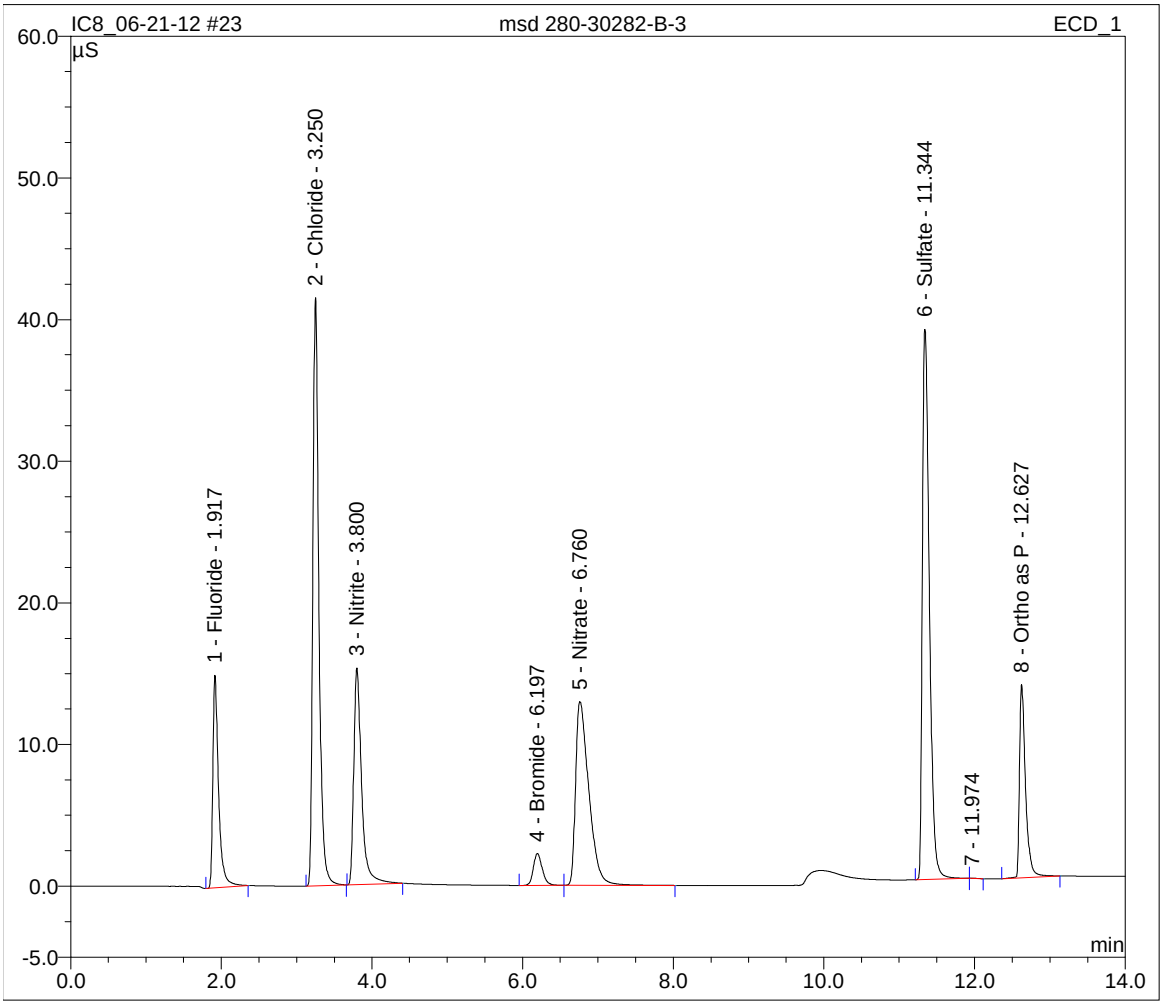
Sample Name:	**ms 280-30282-B-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 14:23**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.296	14.737	5.5414
2	3.25	Chloride	BMB	3.801	41.271	27.9129
3	3.80	Nitrite	bMB	1.824	15.208	4.9919
4	6.20	Bromide	BMB	0.306	2.231	5.3491
5	6.76	Nitrate	BMB	2.624	12.879	7.6292
6	11.34	Sulfate	BMB	4.181	38.843	38.9528
7	12.63	Ortho as P	BMB	1.205	13.090	5.7579
		TOTAL:		15.24	138.26	96.14



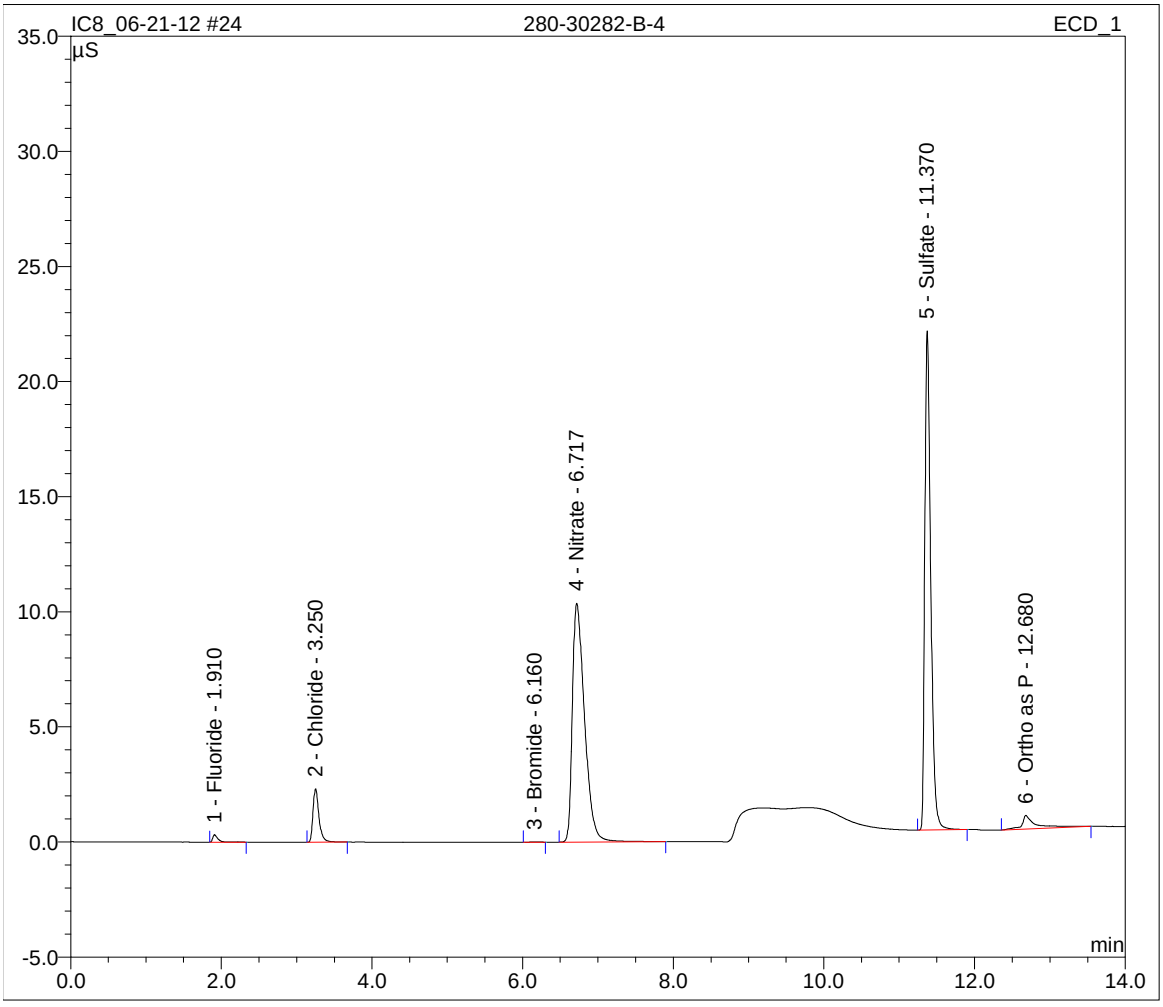
Sample Name:	**msd 280-30282-B-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 14:40**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.324	15.015	5.6654
2	3.25	Chloride	BMB	3.828	41.531	28.1115
3	3.80	Nitrite	BMB	1.839	15.309	5.0326
4	6.20	Bromide	BMB	0.309	2.257	5.4001
5	6.76	Nitrate	BMB	2.640	12.953	7.6737
6	11.34	Sulfate	BMb	4.195	38.857	39.0797
8	12.63	Ortho as P	BMB	1.266	13.629	6.0785
		TOTAL:		15.40	139.55	97.04



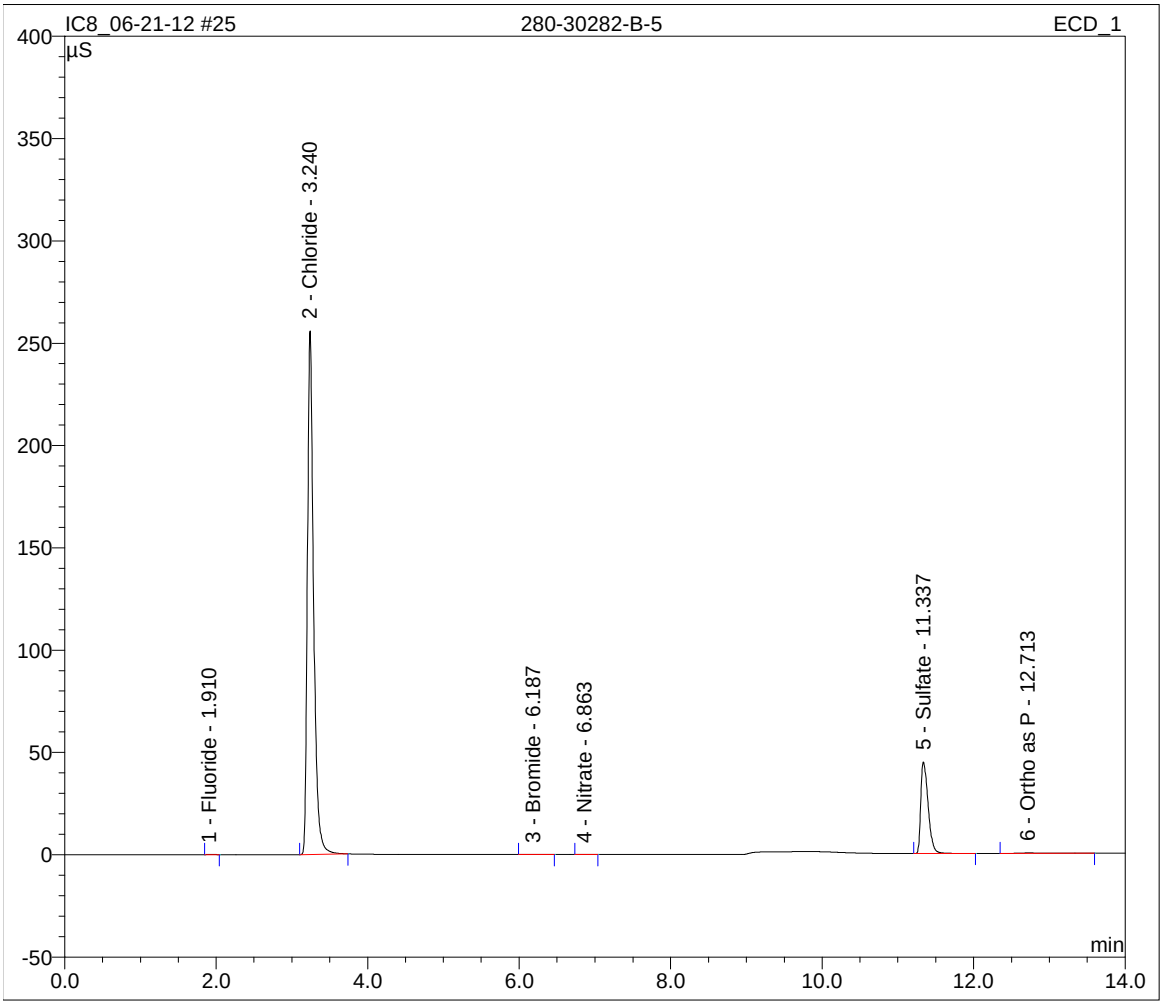
Sample Name:	**280-30282-B-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 14:57**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.027	0.327	0.0927
2	3.25	Chloride	BMB	0.212	2.319	1.6217
3	6.16	Bromide	BMB	0.001	0.010	0.0695
4	6.72	Nitrate	BMB	1.943	10.373	5.6577
5	11.37	Sulfate	BMB	1.986	21.688	18.3492
6	12.68	Ortho as P	BMB	0.129	0.591	0.0589
		TOTAL:		4.30	35.31	25.85



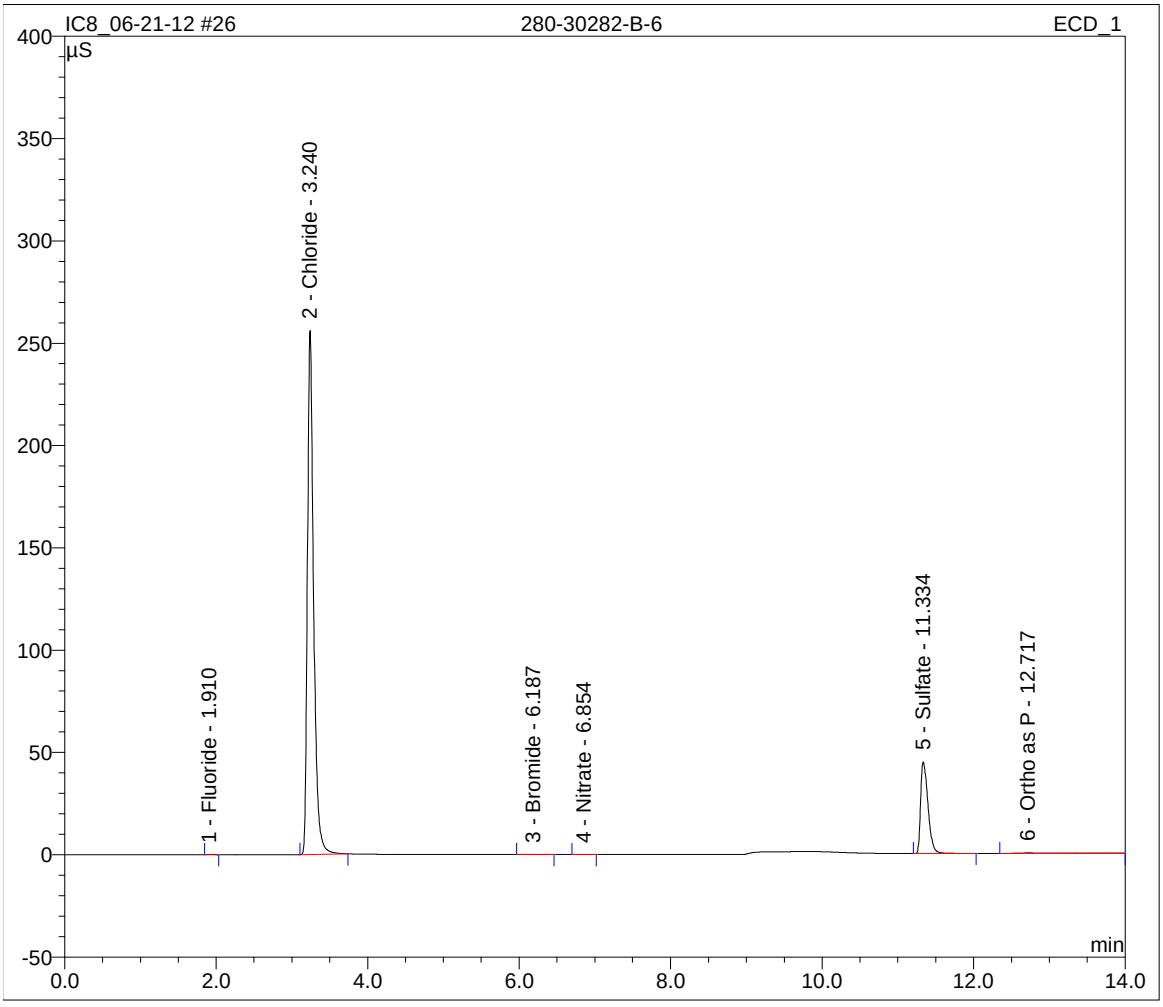
Sample Name:	**280-30282-B-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 15:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.008	0.108	0.0121
2	3.24	Chloride	BMB	24.337	255.971	178.3664
3	6.19	Bromide	BMB	0.007	0.052	0.1743
4	6.86	Nitrate	BMB	0.002	0.011	0.0391
5	11.34	Sulfate	BMB	5.052	44.722	47.1266
6	12.71	Ortho as P	BMB	0.103	0.315	-0.0784
		TOTAL:		29.51	301.18	225.64



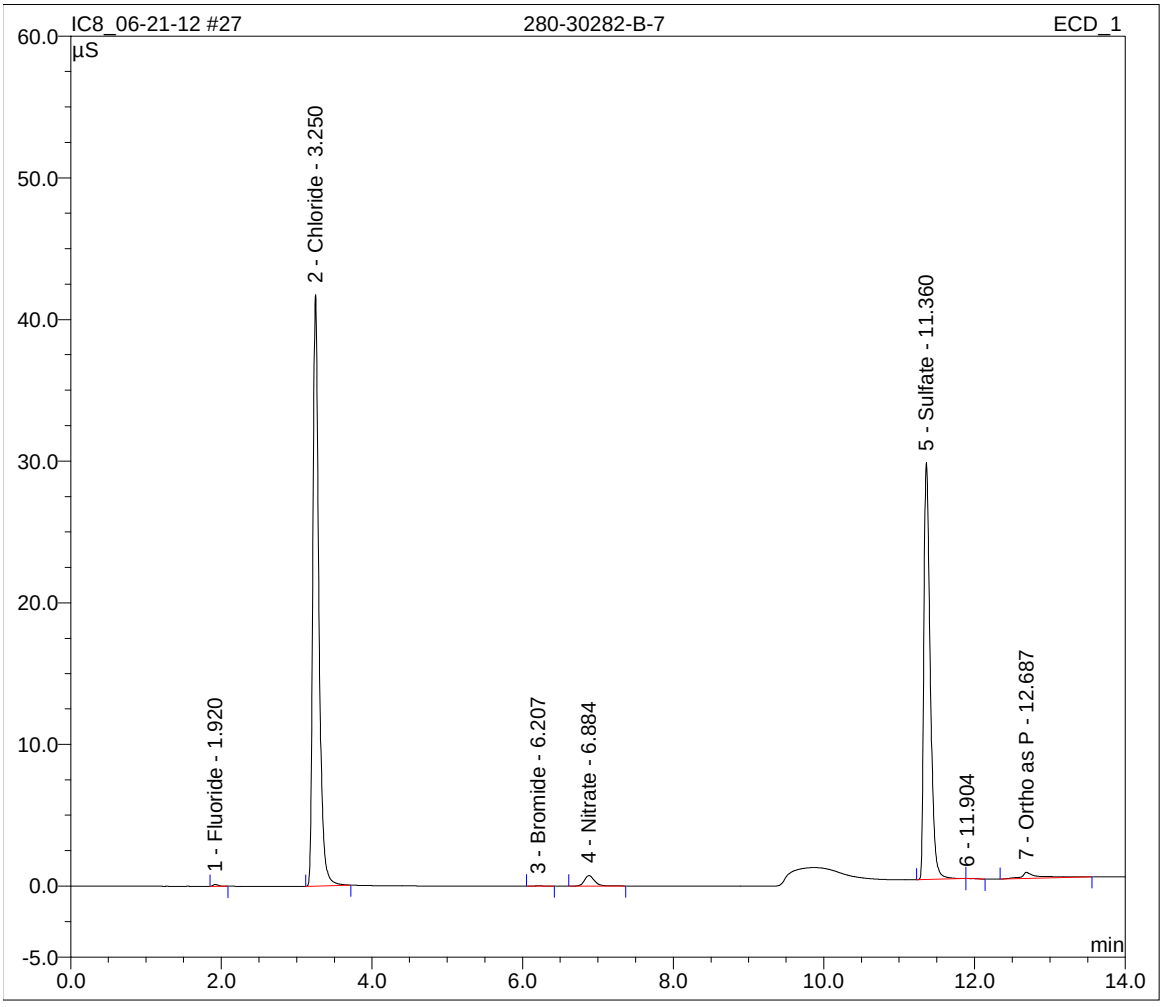
Sample Name:	**280-30282-B-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 15:30**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.006	0.085	0.0047
2	3.24	Chloride	BMB	24.353	256.060	178.4849
3	6.19	Bromide	BMB	0.008	0.054	0.1790
4	6.85	Nitrate	BMB	0.003	0.020	0.0425
5	11.33	Sulfate	BMB	5.065	44.749	47.2516
6	12.72	Ortho as P	BMB	0.144	0.277	0.1397
		TOTAL:		29.58	301.24	226.10



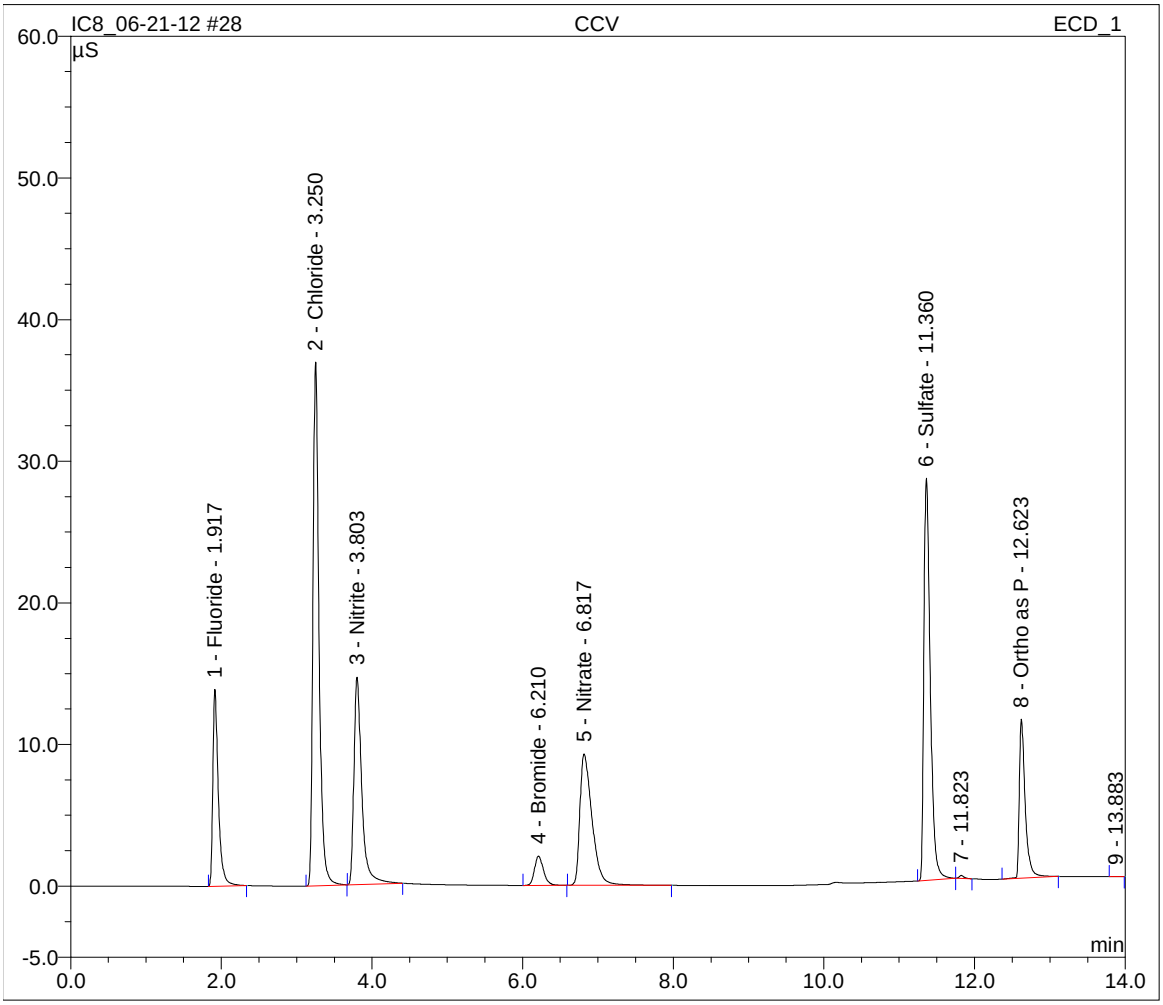
Sample Name:	**280-30282-B-7**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 15:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.011	0.128	0.0225
2	3.25	Chloride	BMB	3.873	41.750	28.4415
3	6.21	Bromide	BMB	0.002	0.012	0.0771
4	6.88	Nitrate	BMB	0.114	0.739	0.3654
5	11.36	Sulfate	BMb	2.897	29.440	26.9001
7	12.69	Ortho as P	BMB	0.109	0.438	-0.0465
		TOTAL:		7.01	72.51	55.76



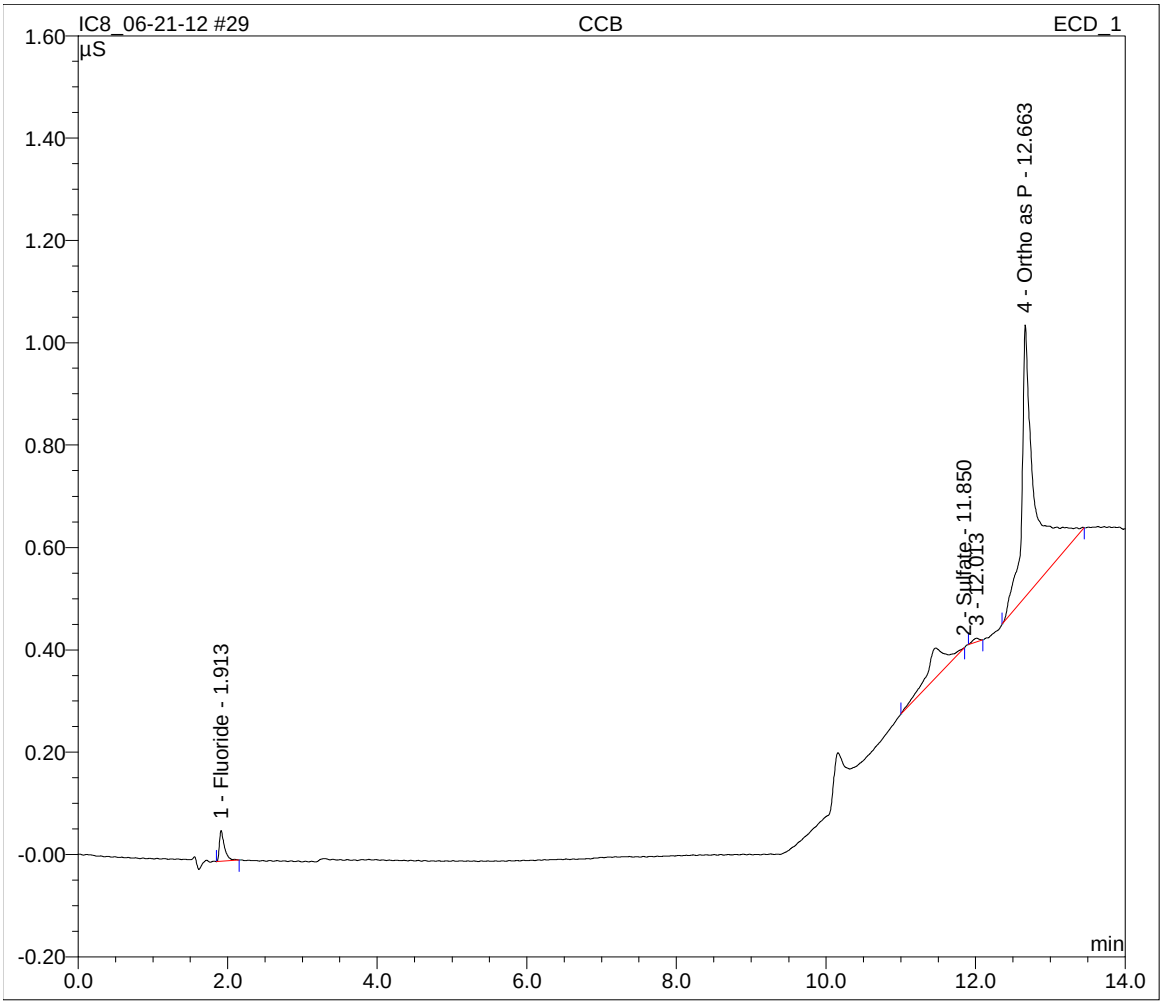
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 16:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.179	13.883	5.0415
2	3.25	Chloride	BMB	3.431	36.966	25.2032
3	3.80	Nitrite	BMB	1.763	14.633	4.8281
4	6.21	Bromide	BMB	0.288	2.070	5.0303
5	6.82	Nitrate	BMB	1.738	9.264	5.0646
6	11.36	Sulfate	BMb	2.797	28.382	25.9638
8	12.62	Ortho as P	BMB	1.018	11.207	4.7683
		TOTAL:		12.22	116.41	75.90



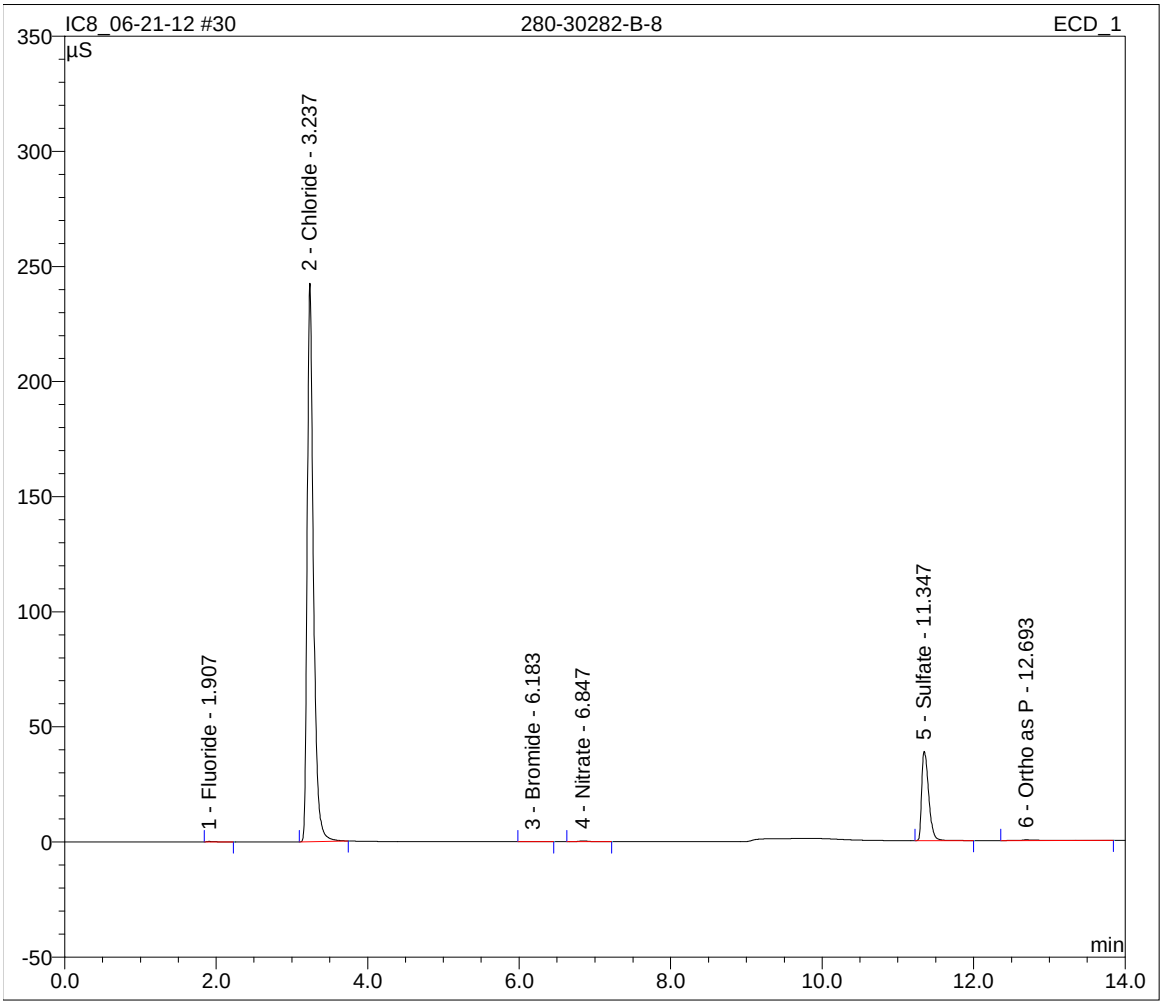
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 16:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.060	-0.0022
2	11.85	Sulfate	BMB	0.017	0.000	-0.1364
4	12.66	Ortho as P	BMB	0.112	0.532	-0.0326
		TOTAL:		0.13	0.59	-0.17



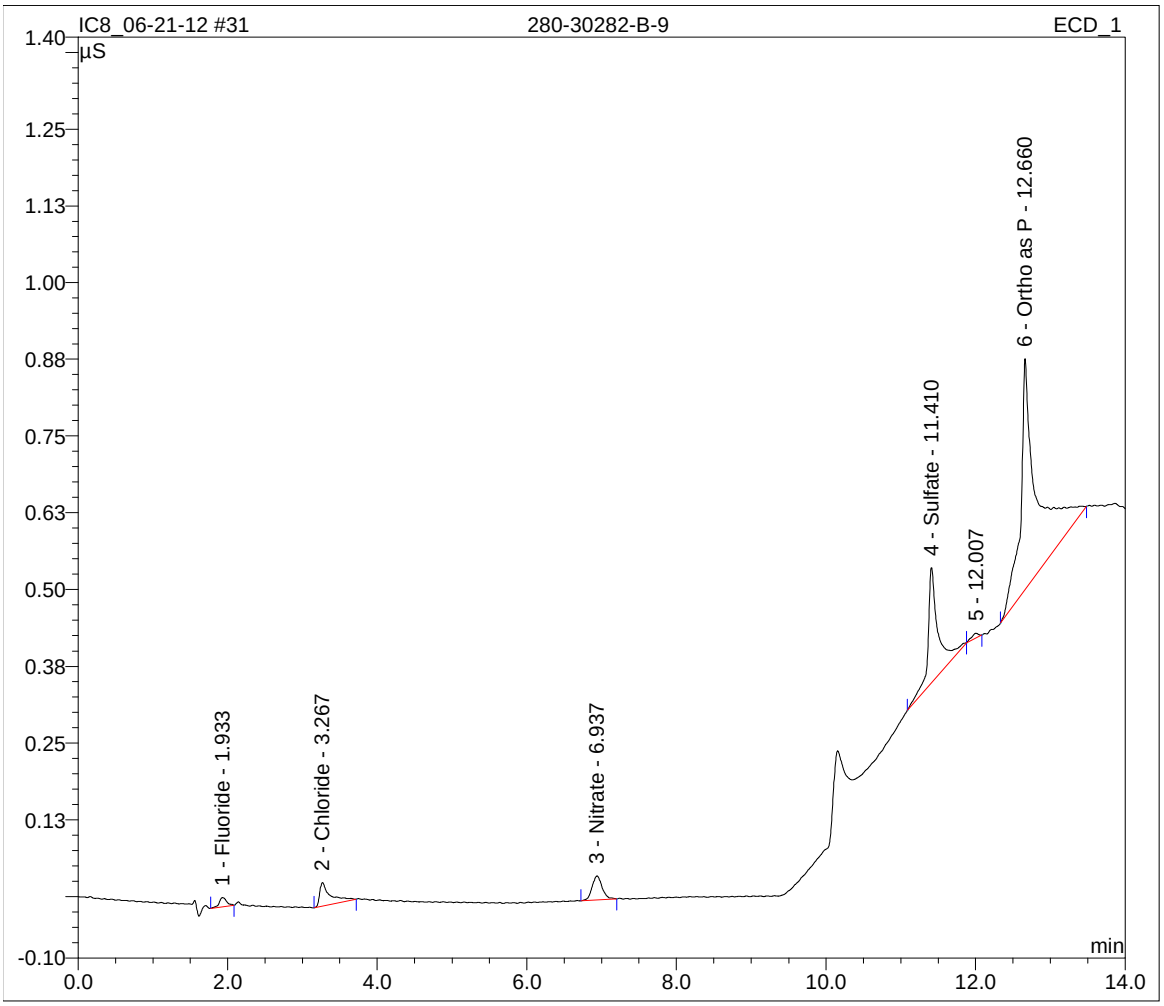
Sample Name:	**280-30282-B-8**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 16:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.014	0.169	0.0375
2	3.24	Chloride	BMB	23.180	242.705	169.8904
3	6.18	Bromide	BMB	0.012	0.090	0.2639
4	6.85	Nitrate	BMB	0.055	0.362	0.1937
5	11.35	Sulfate	BMB	4.138	38.778	38.5419
6	12.69	Ortho as P	BMB	0.119	0.323	0.0055
		TOTAL:		27.52	282.43	208.93



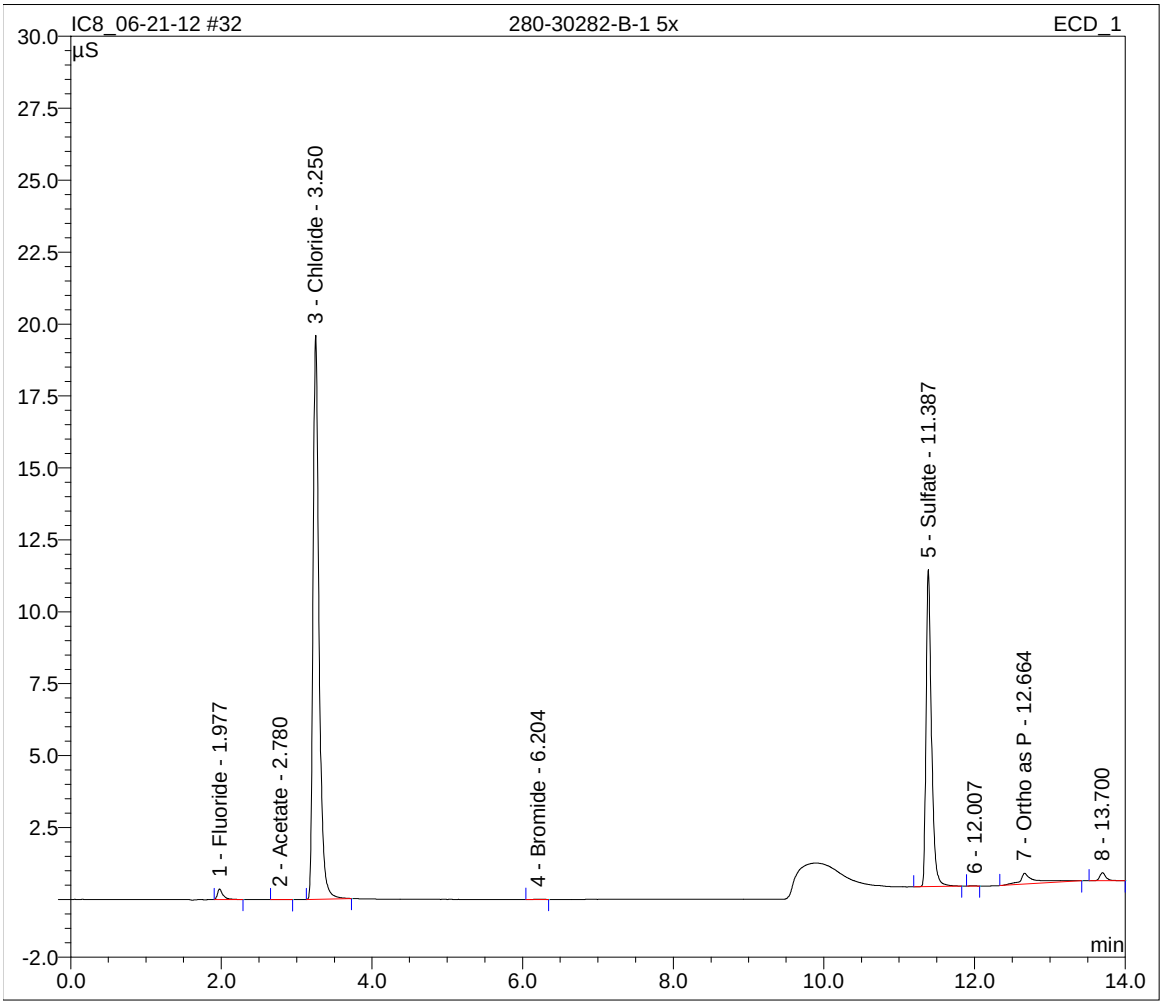
Sample Name:	**280-30282-B-9**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 16:54**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.002	0.015	-0.0152
2	3.27	Chloride	BMB	0.006	0.038	0.1115
3	6.94	Nitrate	BMB	0.006	0.039	0.0522
4	11.41	Sulfate	BMB	0.029	0.188	-0.0229
6	12.66	Ortho as P	BMB	0.097	0.377	-0.1116
		TOTAL:		0.14	0.66	0.01



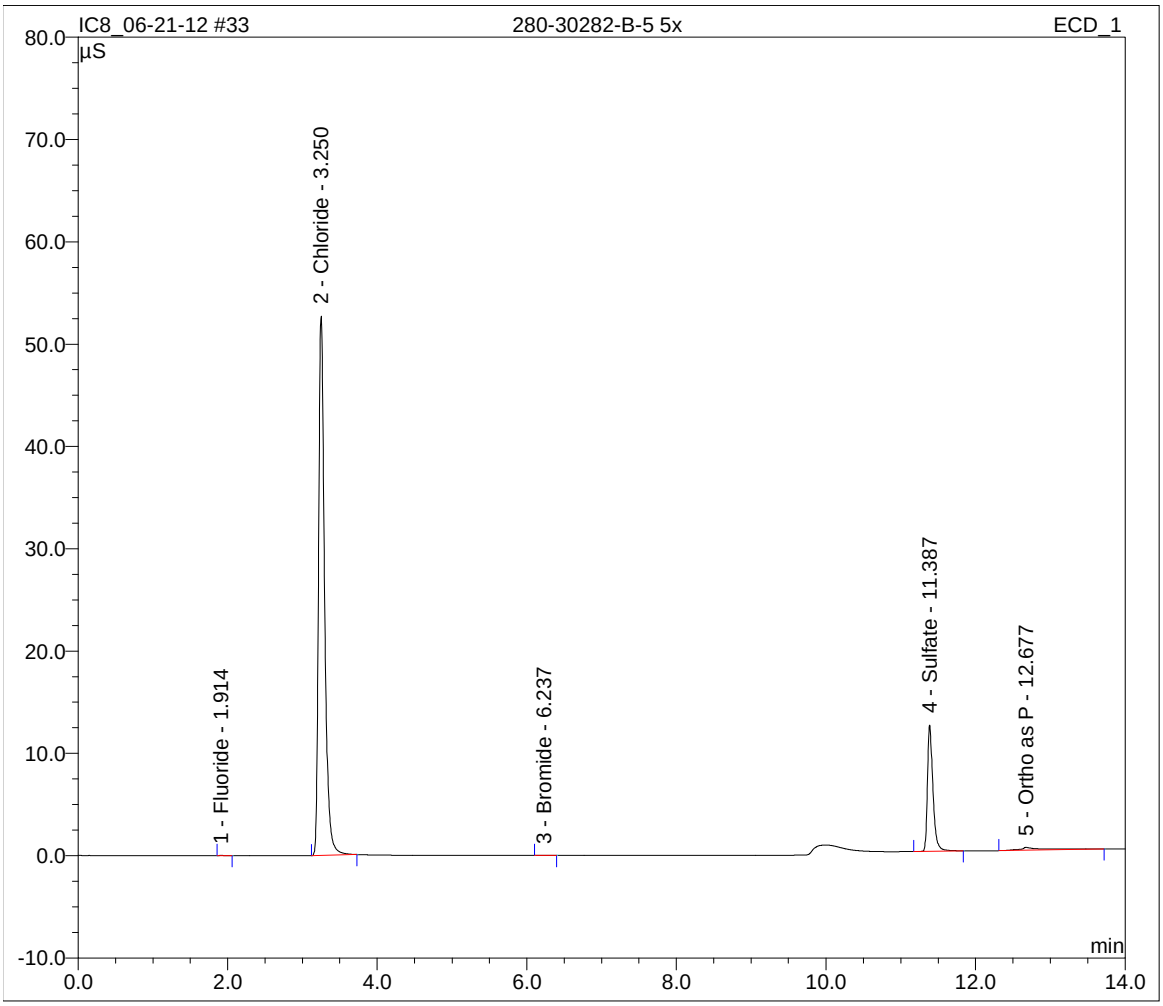
Sample Name:	**280-30282-B-1 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 17:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.98	Fluoride	BMB	0.031	0.369	0.5602
2	2.78	Acetate	BMB	0.001	0.008	n.a.
3	3.25	Chloride	BMB	1.808	19.604	66.5603
4	6.20	Bromide	BMB	0.001	0.006	0.3136
5	11.39	Sulfate	BMB	0.920	11.015	41.7220
7	12.66	Ortho as P	BMB	0.088	0.380	-0.7912
		TOTAL:		2.85	31.38	108.36



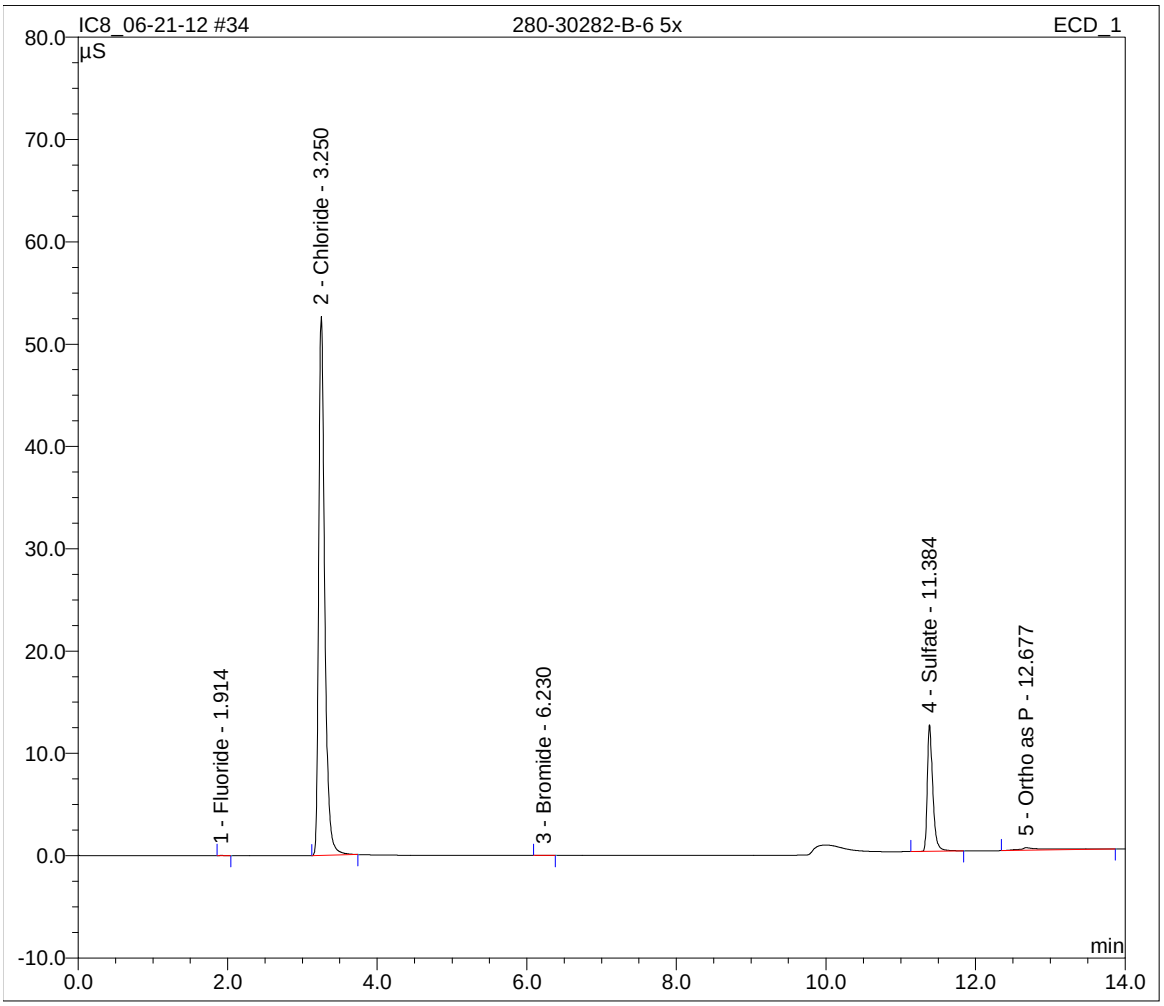
Sample Name:	**280-30282-B-5 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 17:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.001	0.018	-0.0848
2	3.25	Chloride	BMB	4.909	52.713	180.1367
3	6.24	Bromide	BMB	0.001	0.010	0.3588
4	11.39	Sulfate	BMB	1.050	12.326	47.8245
5	12.68	Ortho as P	BMB	0.103	0.280	-0.3814
		TOTAL:		6.07	65.35	227.85



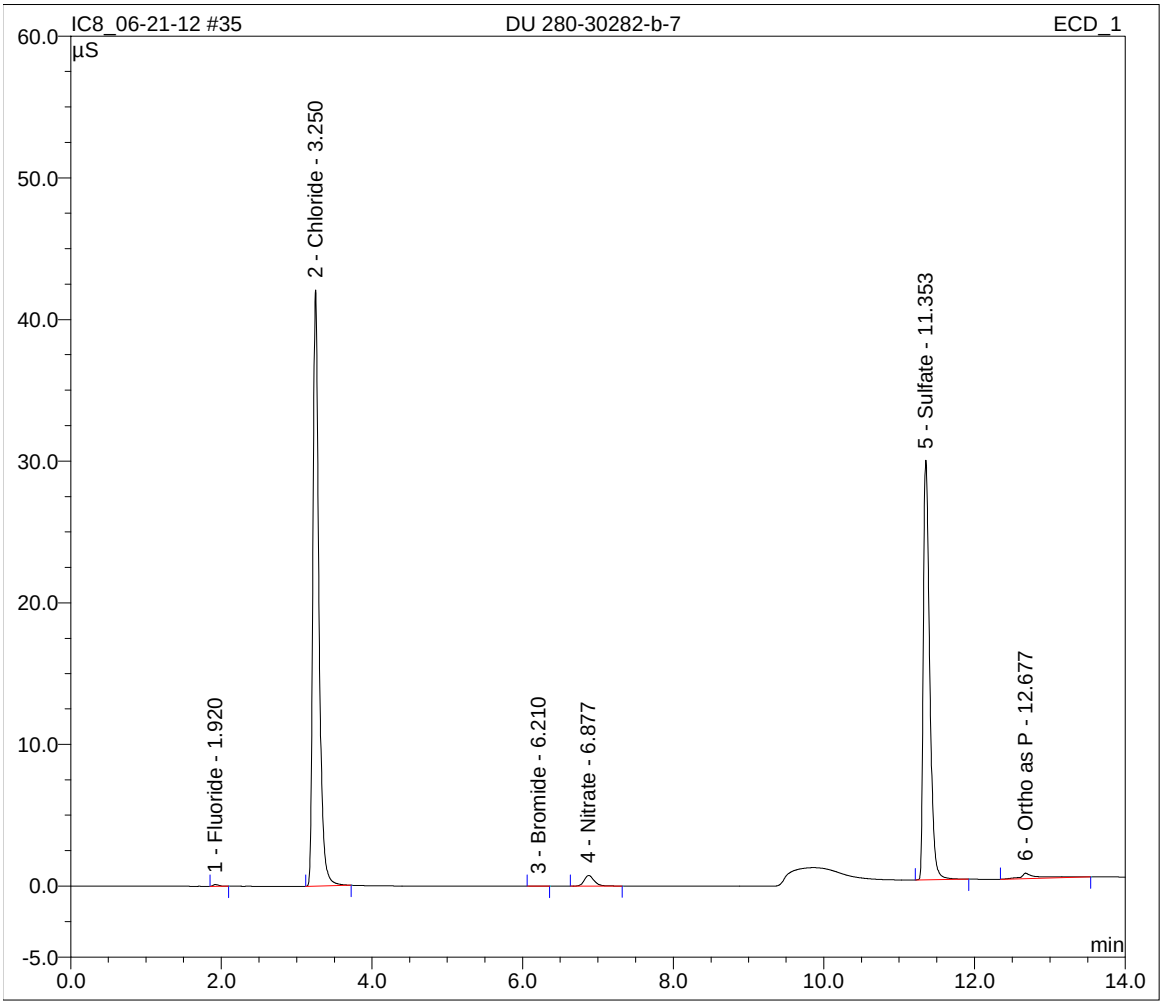
Sample Name:	**280-30282-B-6 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 17:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.001	0.017	-0.0844
2	3.25	Chloride	BMB	4.914	52.690	180.3478
3	6.23	Bromide	BMB	0.001	0.010	0.3572
4	11.38	Sulfate	BMB	1.052	12.357	47.8965
5	12.68	Ortho as P	BMB	0.116	0.261	-0.0609
		TOTAL:		6.08	65.34	228.46



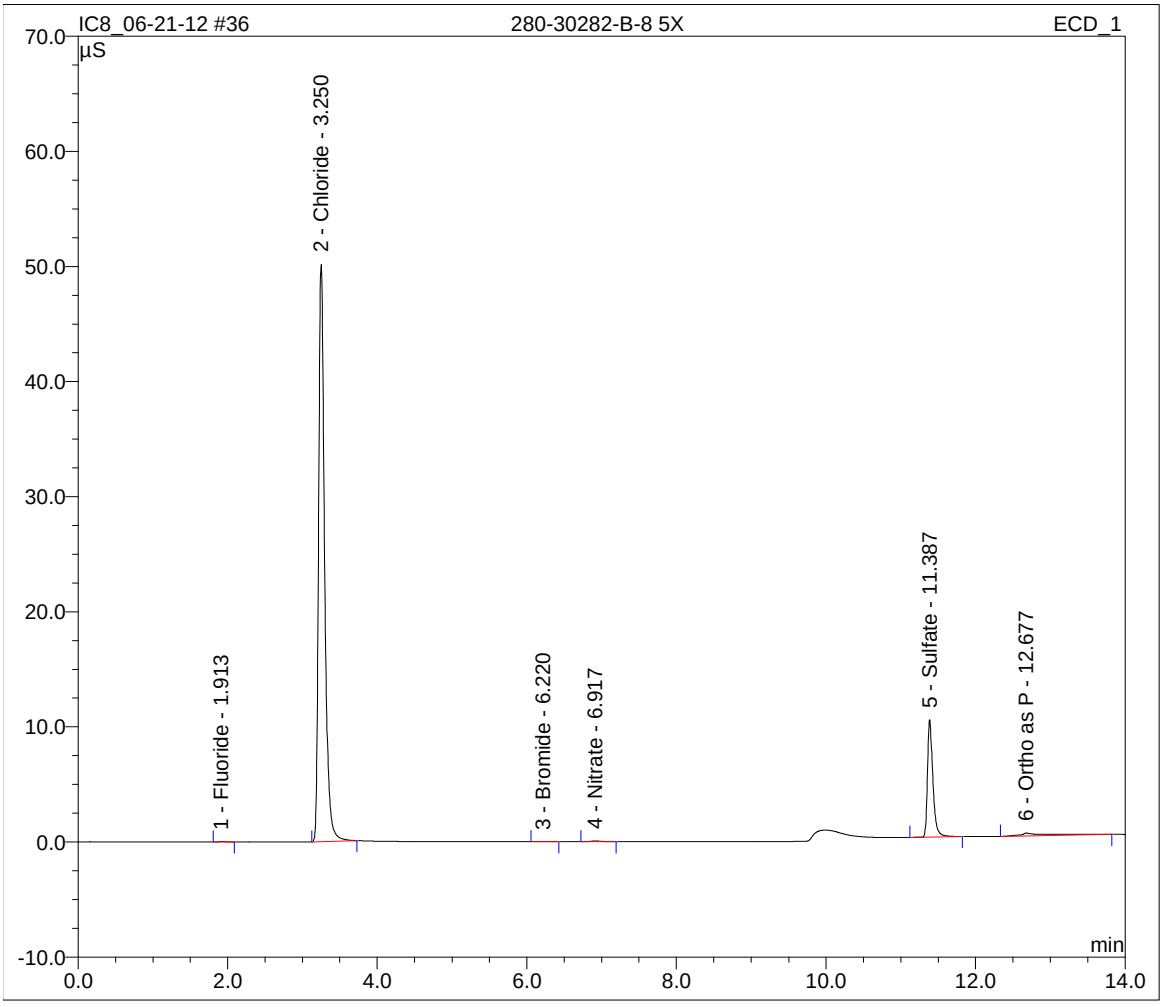
Sample Name:	**DU 280-30282-b-7**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 18:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.010	0.123	0.0216
2	3.25	Chloride	BMB	3.893	42.092	28.5860
3	6.21	Bromide	BMB	0.002	0.012	0.0744
4	6.88	Nitrate	BMB	0.115	0.750	0.3678
5	11.35	Sulfate	BMB	2.908	29.602	27.0032
6	12.68	Ortho as P	BMB	0.102	0.388	-0.0866
		TOTAL:		7.03	72.97	55.97



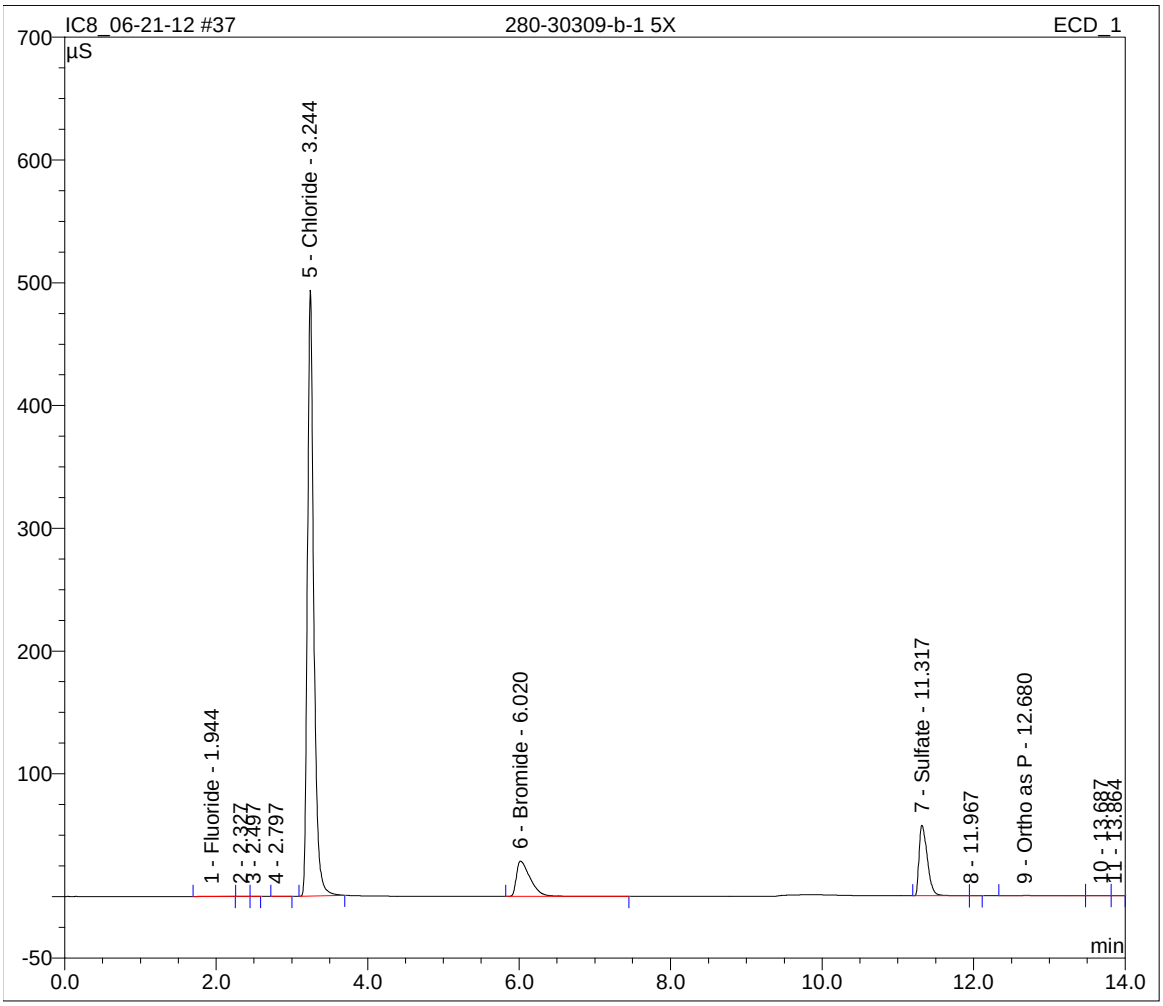
Sample Name:	**280-30282-B-8 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 18:19**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.003	0.034	-0.0551
2	3.25	Chloride	BMB	4.681	50.184	171.7905
3	6.22	Bromide	BMB	0.002	0.017	0.4514
4	6.92	Nitrate	BMB	0.010	0.066	0.3208
5	11.39	Sulfate	BMB	0.856	10.197	38.7106
6	12.68	Ortho as P	BMB	0.108	0.249	-0.2605
		TOTAL:		5.66	60.75	210.96



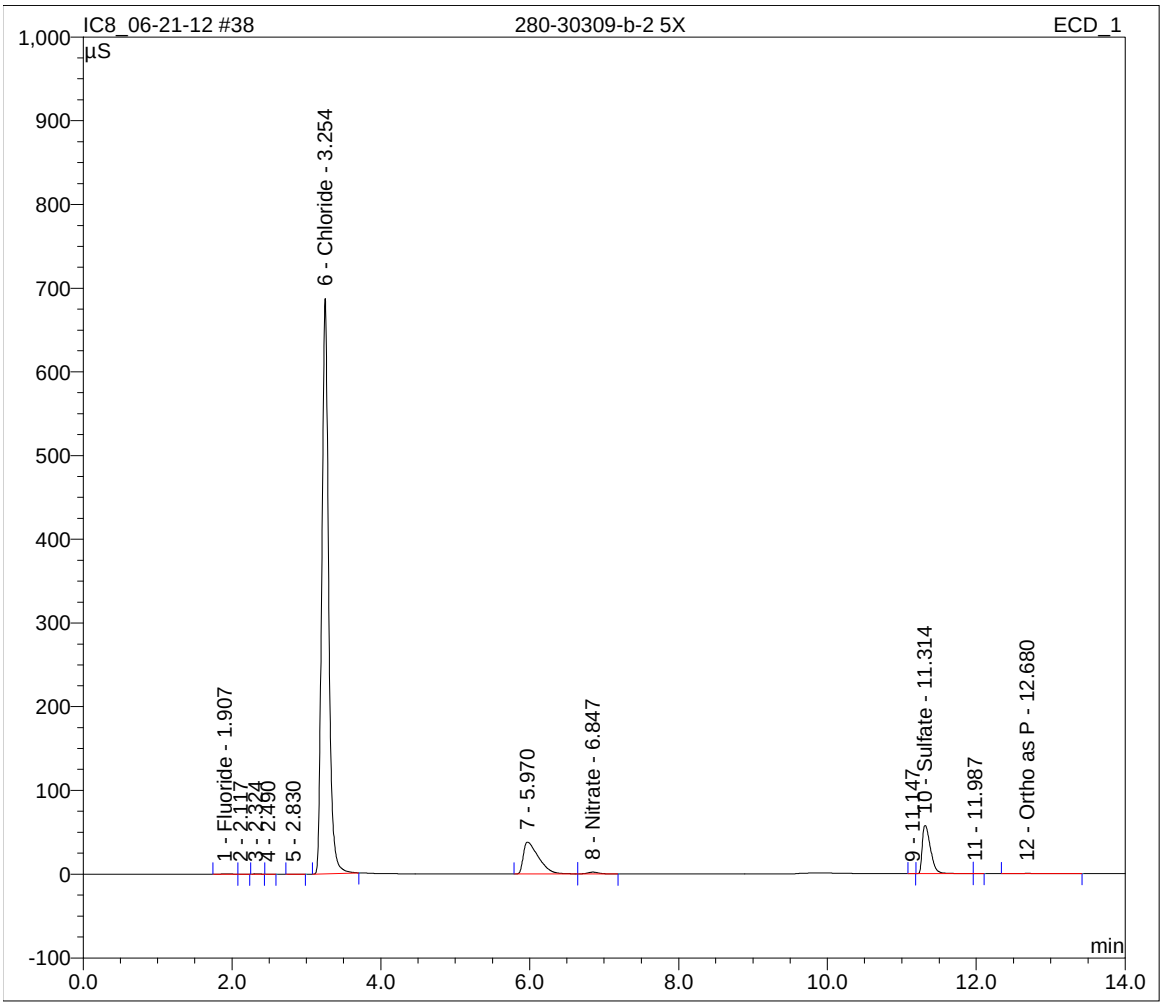
Sample Name:	**280-30309-b-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 18:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	0.040	0.235	0.7455
5	3.24	Chloride	BMB	48.033	493.628	1759.8569
6	6.02	Bromide	BMB	6.046	28.708	523.0852
7	11.32	Sulfate	BMb	7.251	57.436	338.7999
9	12.68	Ortho as P	BMB	0.081	0.234	-0.9750
		TOTAL:		61.45	580.24	2621.51



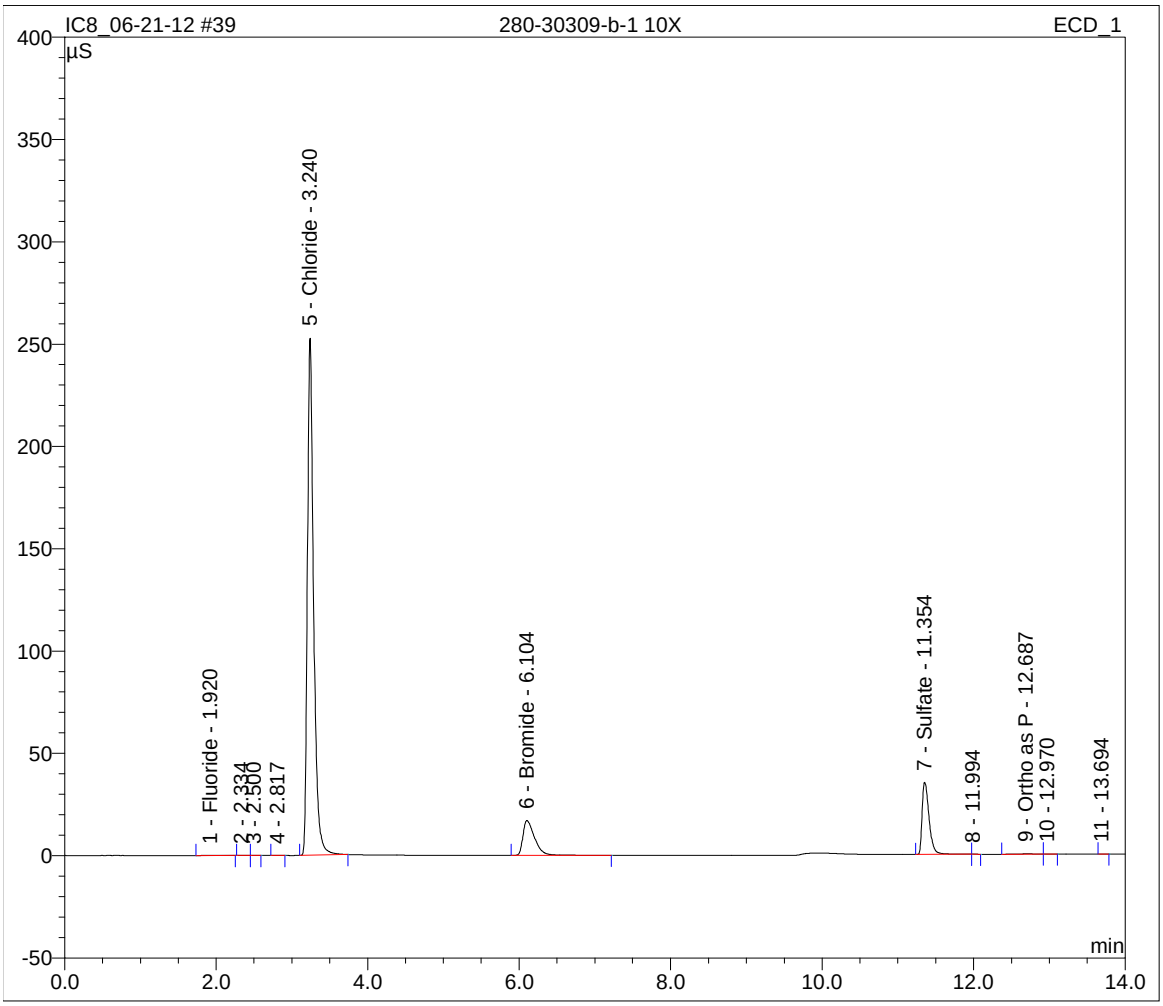
Sample Name:	**280-30309-b-2 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 18:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMb	0.027	0.255	0.4600
6	3.25	Chloride	BMB	72.482	687.434	2655.4640
8	6.85	Nitrate	bMB	0.346	2.114	5.1800
10	11.31	Sulfate	BMb	7.321	57.394	342.1046
12	12.68	Ortho as P	BMB	0.077	0.205	-1.0860
		TOTAL:		80.25	747.40	3002.12



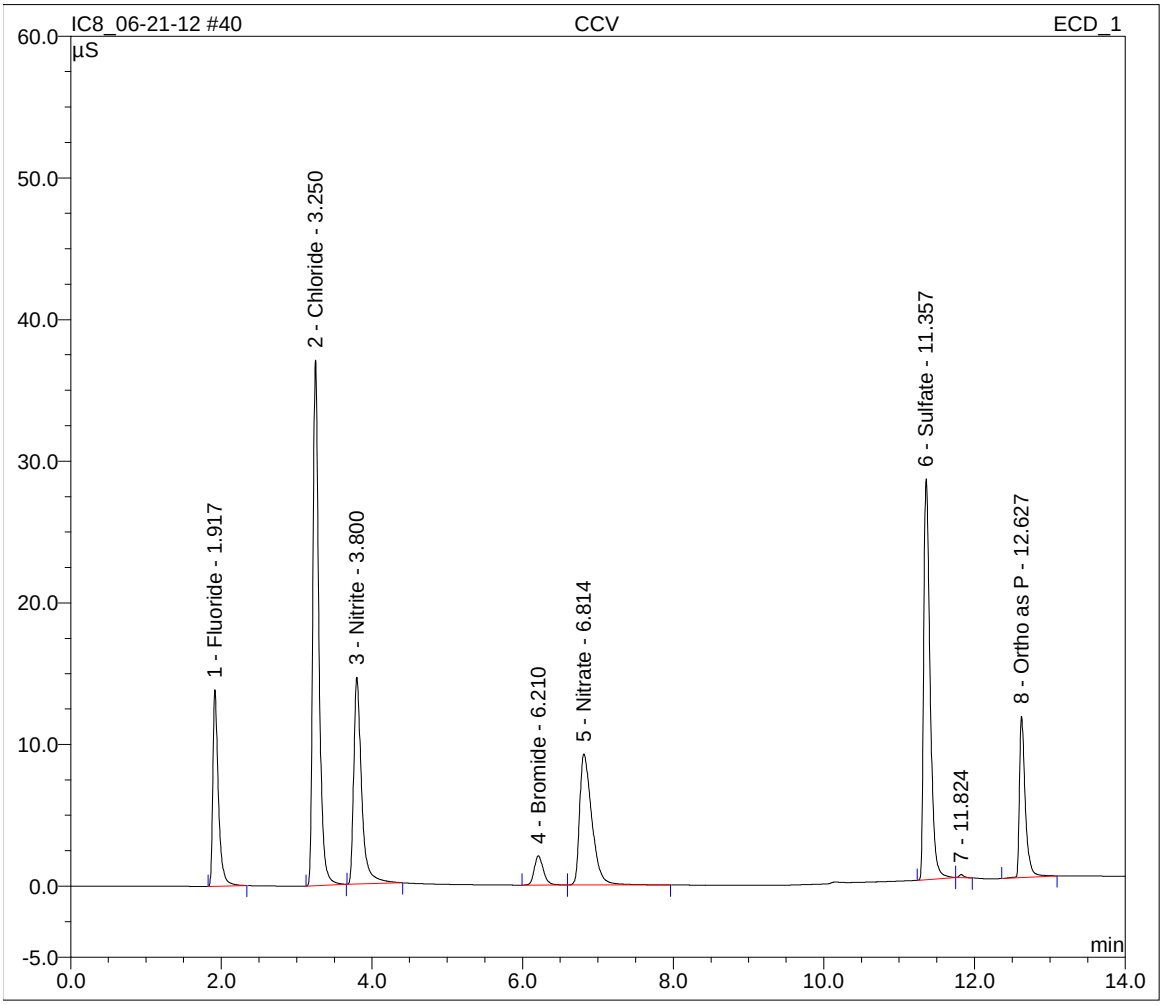
Sample Name:	**280-30309-b-1 10X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**10.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 19:09**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.018	0.119	0.5361
5	3.24	Chloride	BMB	24.189	252.760	1772.8172
6	6.10	Bromide	BMB	3.015	16.979	521.9177
7	11.35	Sulfate	BMb	3.737	35.235	347.8148
9	12.69	Ortho as P	BMb	0.032	0.147	-4.5670
		TOTAL:		30.99	305.24	2638.52



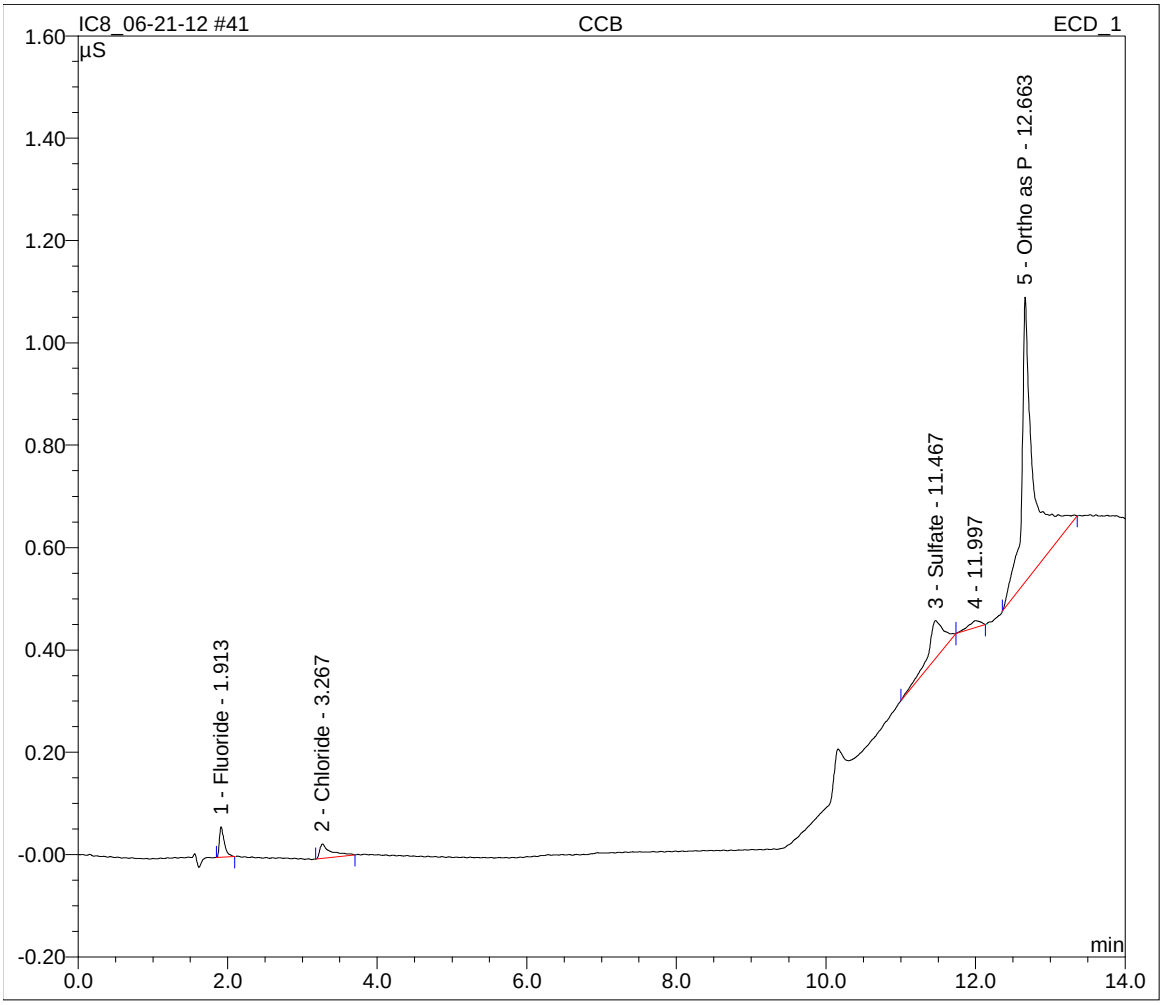
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 19:26**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.181	13.876	5.0478
2	3.25	Chloride	BMB	3.454	37.101	25.3670
3	3.80	Nitrite	BMB	1.766	14.604	4.8352
4	6.21	Bromide	BMB	0.289	2.067	5.0499
5	6.81	Nitrate	BMB	1.737	9.243	5.0626
6	11.36	Sulfate	BMb	2.800	28.304	25.9844
8	12.63	Ortho as P	BMB	1.016	11.387	4.7541
		TOTAL:		12.24	116.58	76.10



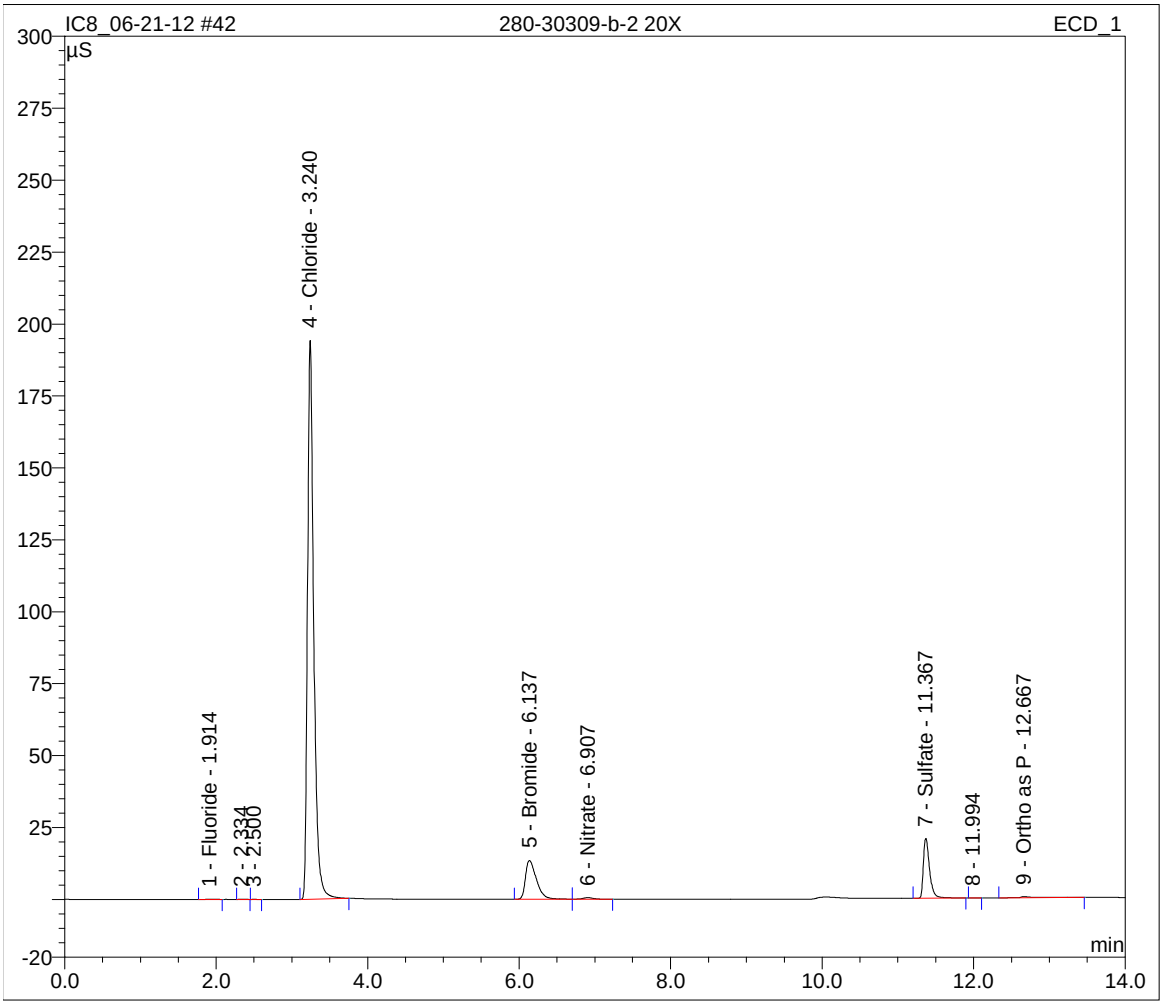
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 19:43**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.060	-0.0032
2	3.27	Chloride	BMB	0.005	0.028	0.1015
3	11.47	Sulfate	BMB	0.017	0.073	-0.1307
5	12.66	Ortho as P	BMB	0.104	0.557	-0.0710
		TOTAL:		0.13	0.72	-0.10



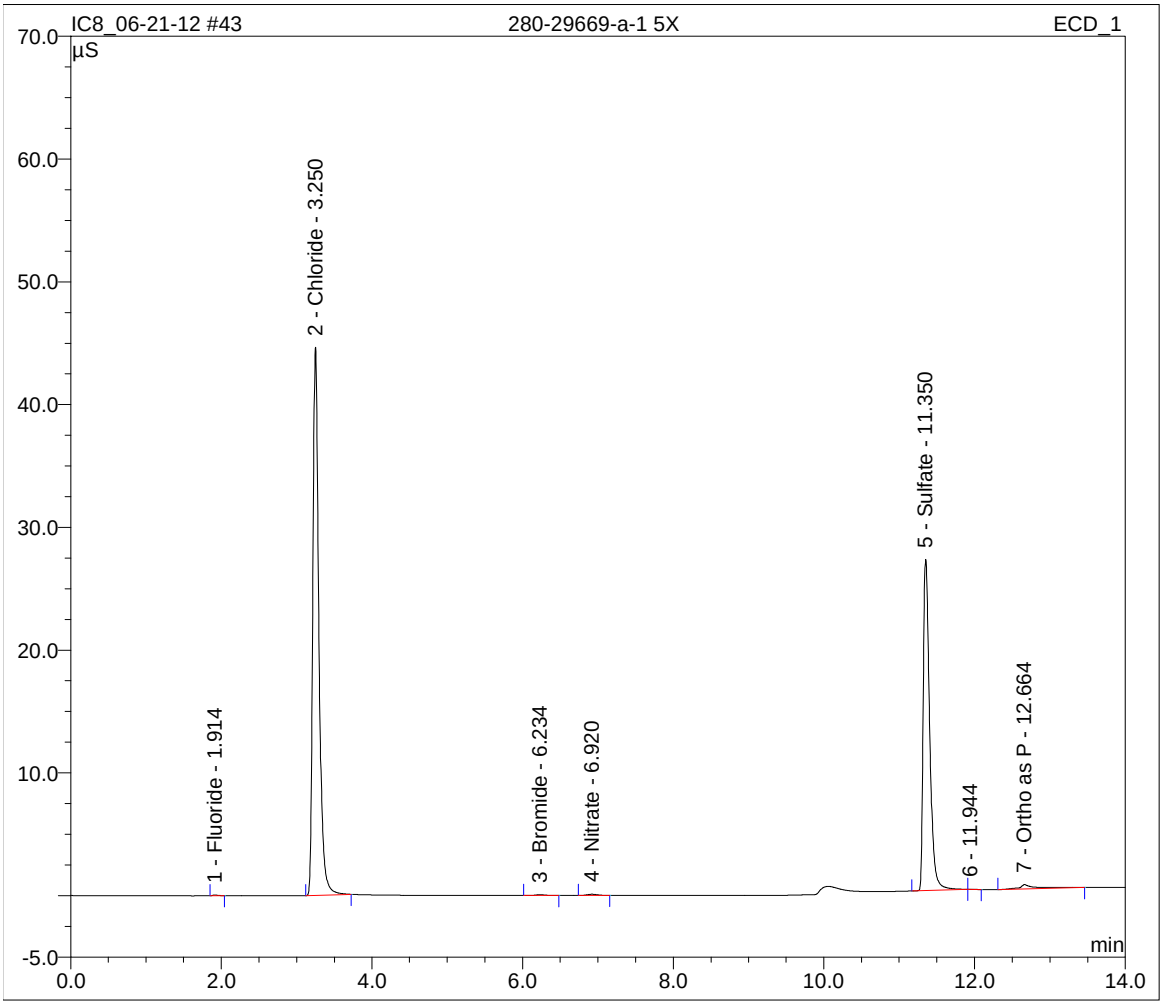
Sample Name:	**280-30309-b-2 20X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**20.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 19:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.007	0.079	0.1770
4	3.24	Chloride	BMB	18.591	194.233	2725.3653
5	6.14	Bromide	BMb	2.245	13.456	777.6714
6	6.91	Nitrate	bMB	0.081	0.529	5.3669
7	11.37	Sulfate	BMB	1.948	20.732	359.8809
9	12.67	Ortho as P	BMB	0.104	0.449	-1.4595
		TOTAL:		22.98	229.48	3867.00



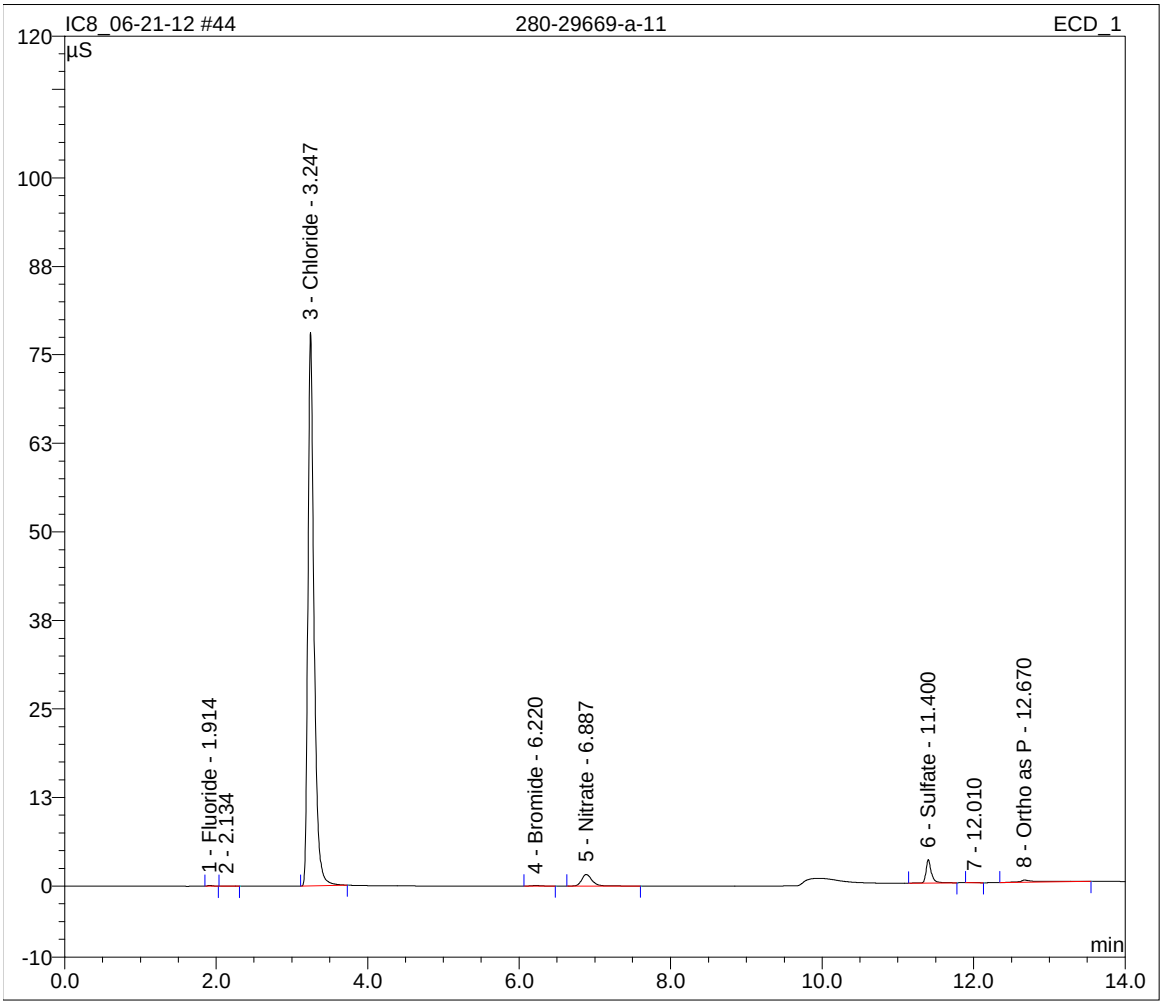
Sample Name:	**280-29669-a-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 20:16**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.062	-0.0162
2	3.25	Chloride	BMB	4.165	44.635	152.8843
3	6.23	Bromide	BMB	0.009	0.062	1.0021
4	6.92	Nitrate	BMB	0.014	0.096	0.3802
5	11.35	Sulfate	BMb	2.677	26.972	124.1524
7	12.66	Ortho as P	BMB	0.091	0.352	-0.7147
		TOTAL:		6.96	72.18	277.69



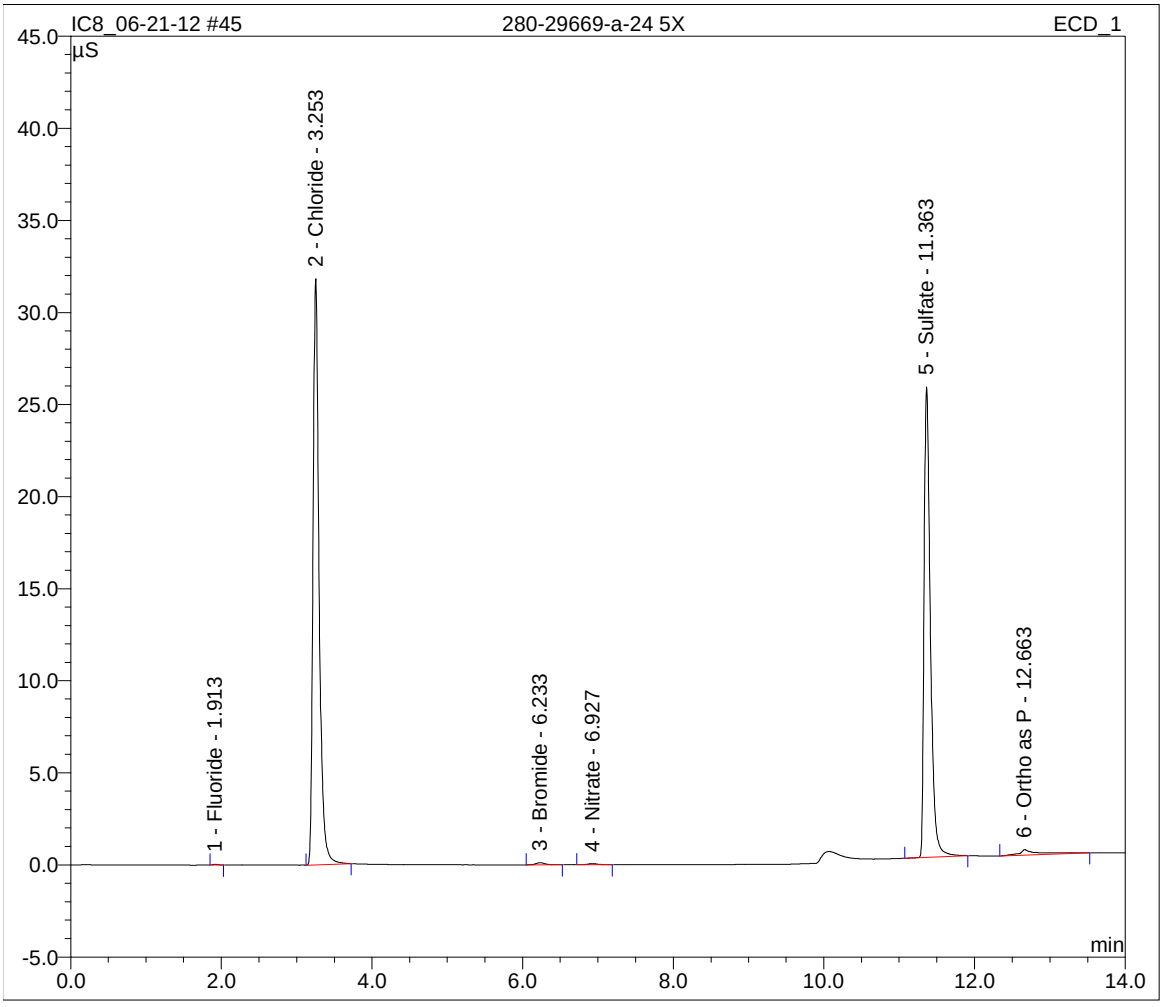
Sample Name:	**280-29669-a-11**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 20:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.008	0.107	0.0114
3	3.25	Chloride	BMB	7.318	78.166	53.6817
4	6.22	Bromide	BMB	0.011	0.079	0.2348
5	6.89	Nitrate	BMB	0.259	1.635	0.7844
6	11.40	Sulfate	BMB	0.267	3.292	2.2093
8	12.67	Ortho as P	BMB	0.097	0.331	-0.1105
		TOTAL:		7.96	83.61	56.81



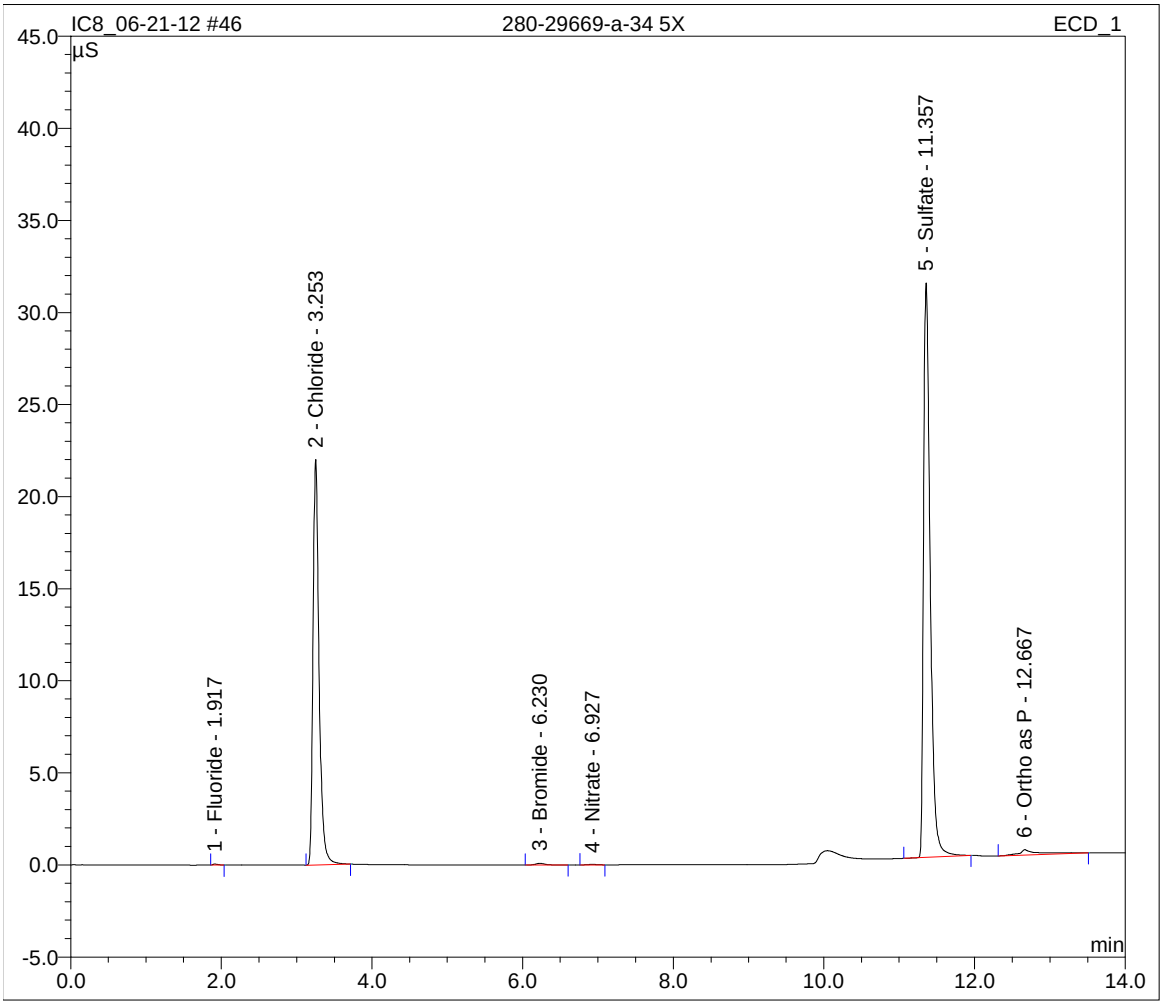
Sample Name:	**280-29669-a-24 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 20:50**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.003	0.043	-0.0446
2	3.25	Chloride	BMB	2.963	31.835	108.8724
3	6.23	Bromide	BMB	0.016	0.114	1.6328
4	6.93	Nitrate	BMB	0.009	0.060	0.3067
5	11.36	Sulfate	BMB	2.477	25.541	114.7792
6	12.66	Ortho as P	BMB	0.089	0.297	-0.7577
		TOTAL:		5.56	57.89	224.79



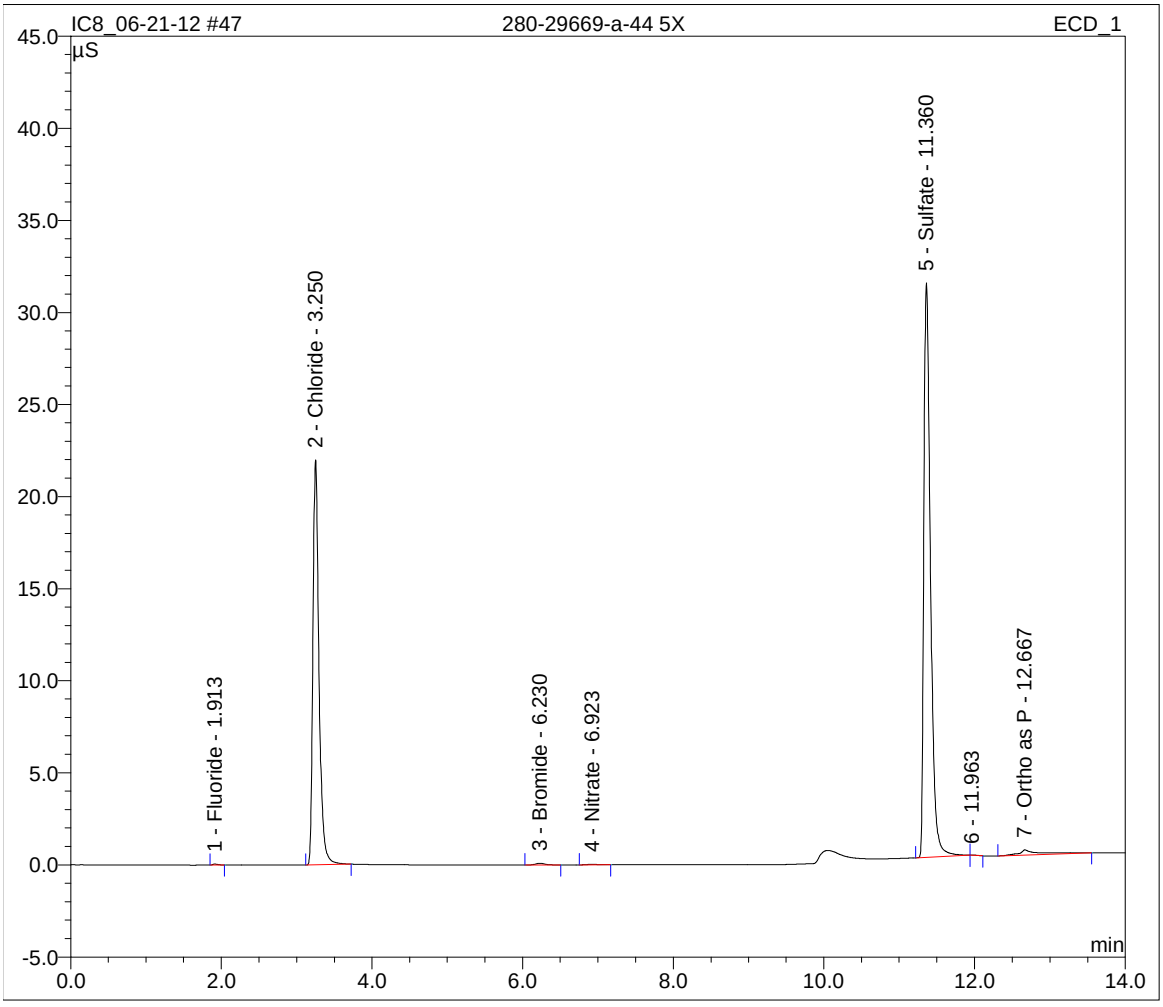
Sample Name:	**280-29669-a-34 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 21:07**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.004	0.058	-0.0234
2	3.25	Chloride	BMB	2.046	22.015	75.2609
3	6.23	Bromide	BMB	0.013	0.087	1.3264
4	6.93	Nitrate	BMB	0.004	0.027	0.2281
5	11.36	Sulfate	BMB	3.203	31.203	148.8497
6	12.67	Ortho as P	BMB	0.089	0.295	-0.7750
		TOTAL:		5.36	53.68	224.87



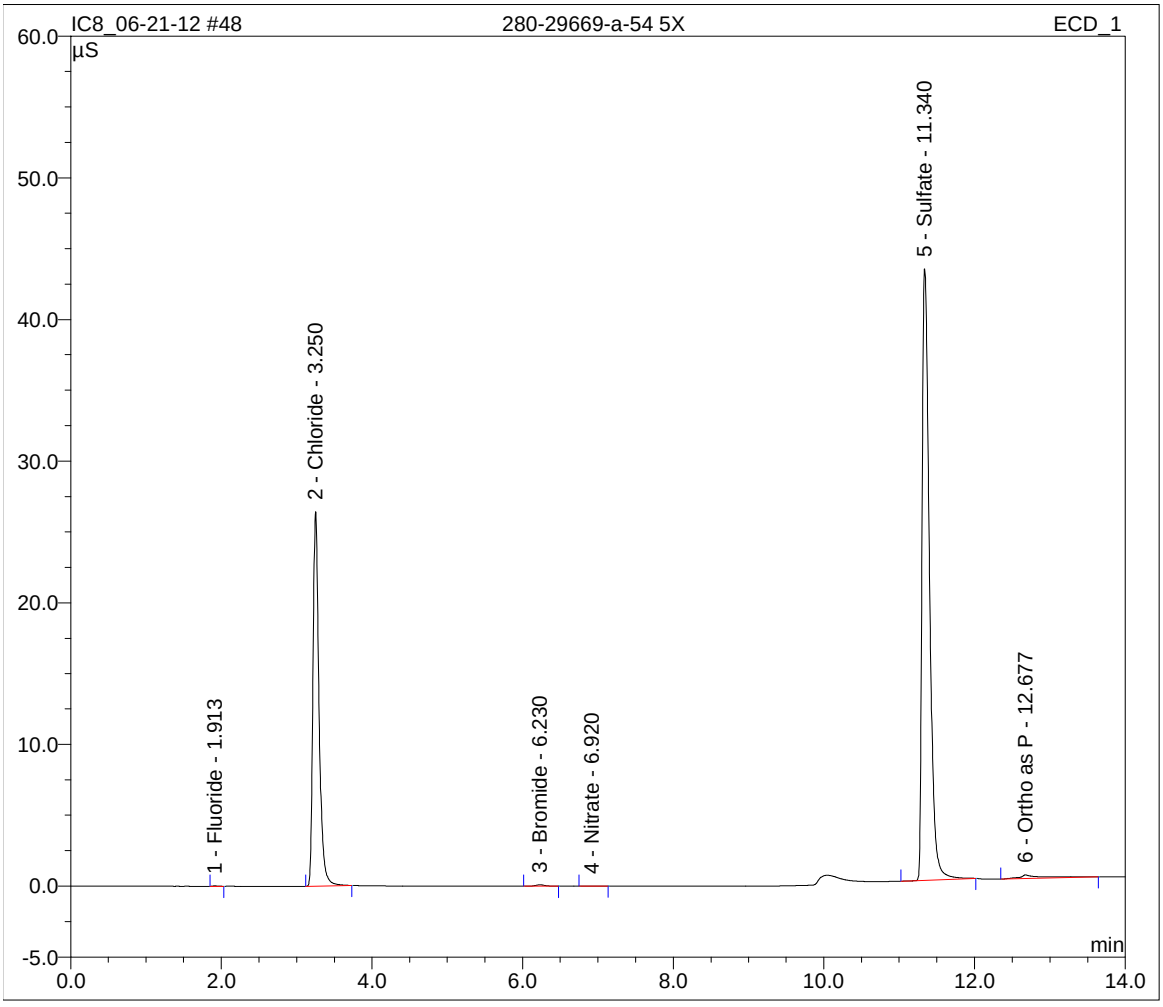
Sample Name:	**280-29669-a-44 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 21:23**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.004	0.058	-0.0222
2	3.25	Chloride	BMB	2.043	21.998	75.1719
3	6.23	Bromide	BMB	0.013	0.090	1.3374
4	6.92	Nitrate	BMB	0.005	0.033	0.2429
5	11.36	Sulfate	BMb	3.199	31.195	148.6725
7	12.67	Ortho as P	BMB	0.087	0.283	-0.8060
		TOTAL:		5.35	53.66	224.60



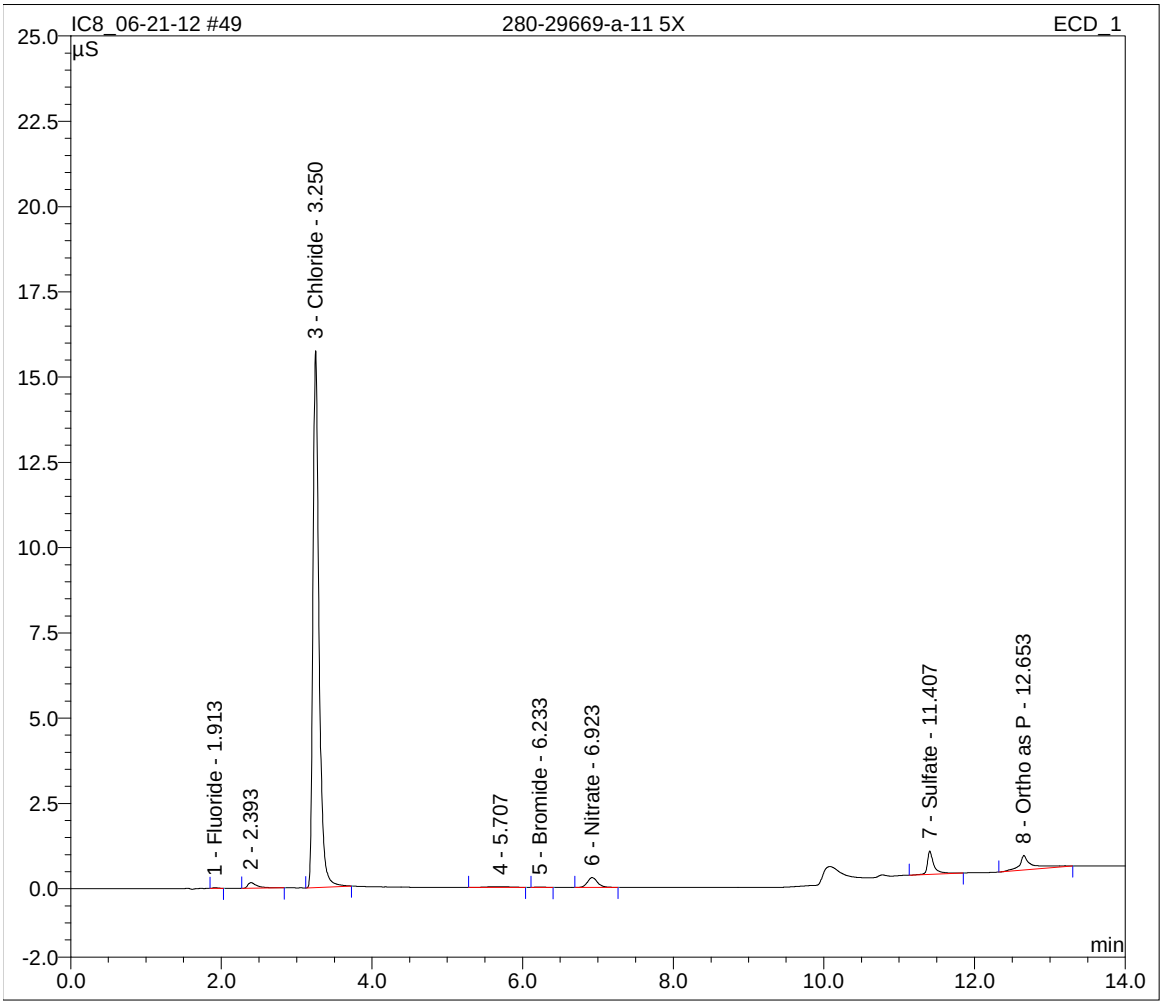
Sample Name:	**280-29669-a-54 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 21:40**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.002	0.032	-0.0618
2	3.25	Chloride	BMB	2.461	26.427	90.4925
3	6.23	Bromide	BMB	0.014	0.098	1.4220
4	6.92	Nitrate	BMB	0.001	0.007	0.1883
5	11.34	Sulfate	BMB	4.937	43.166	230.2296
6	12.68	Ortho as P	BMB	0.092	0.259	-0.6799
		TOTAL:		7.51	69.99	321.59



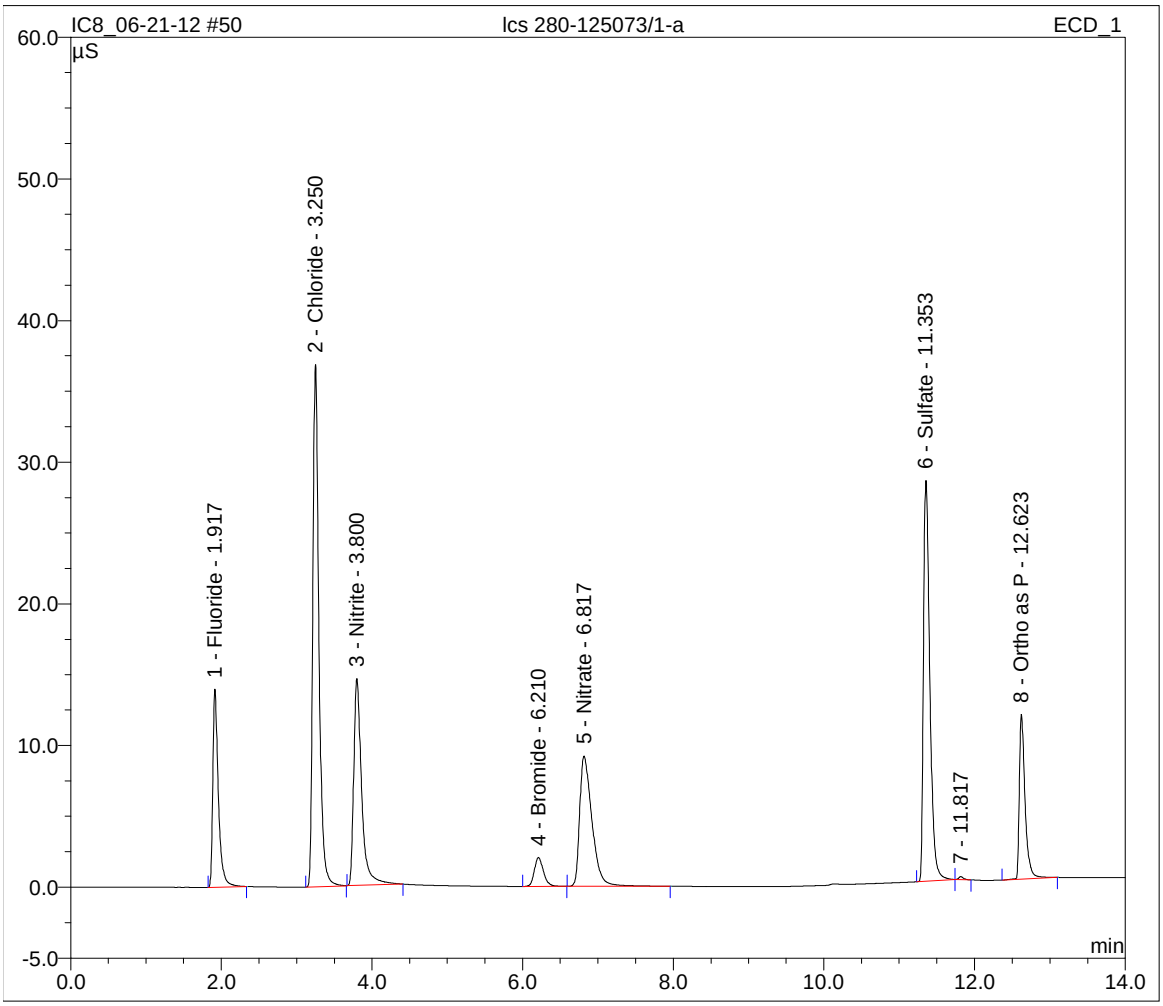
Sample Name:	**280-29669-a-11 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 22:19**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.002	0.024	-0.0753
3	3.25	Chloride	BMB	1.464	15.735	53.9511
5	6.23	Bromide	BMB	0.002	0.013	0.3962
6	6.92	Nitrate	BMB	0.045	0.289	0.8250
7	11.41	Sulfate	BMB	0.069	0.686	1.7562
8	12.65	Ortho as P	BMB	0.084	0.426	-0.9077
		TOTAL:		1.66	17.17	55.95



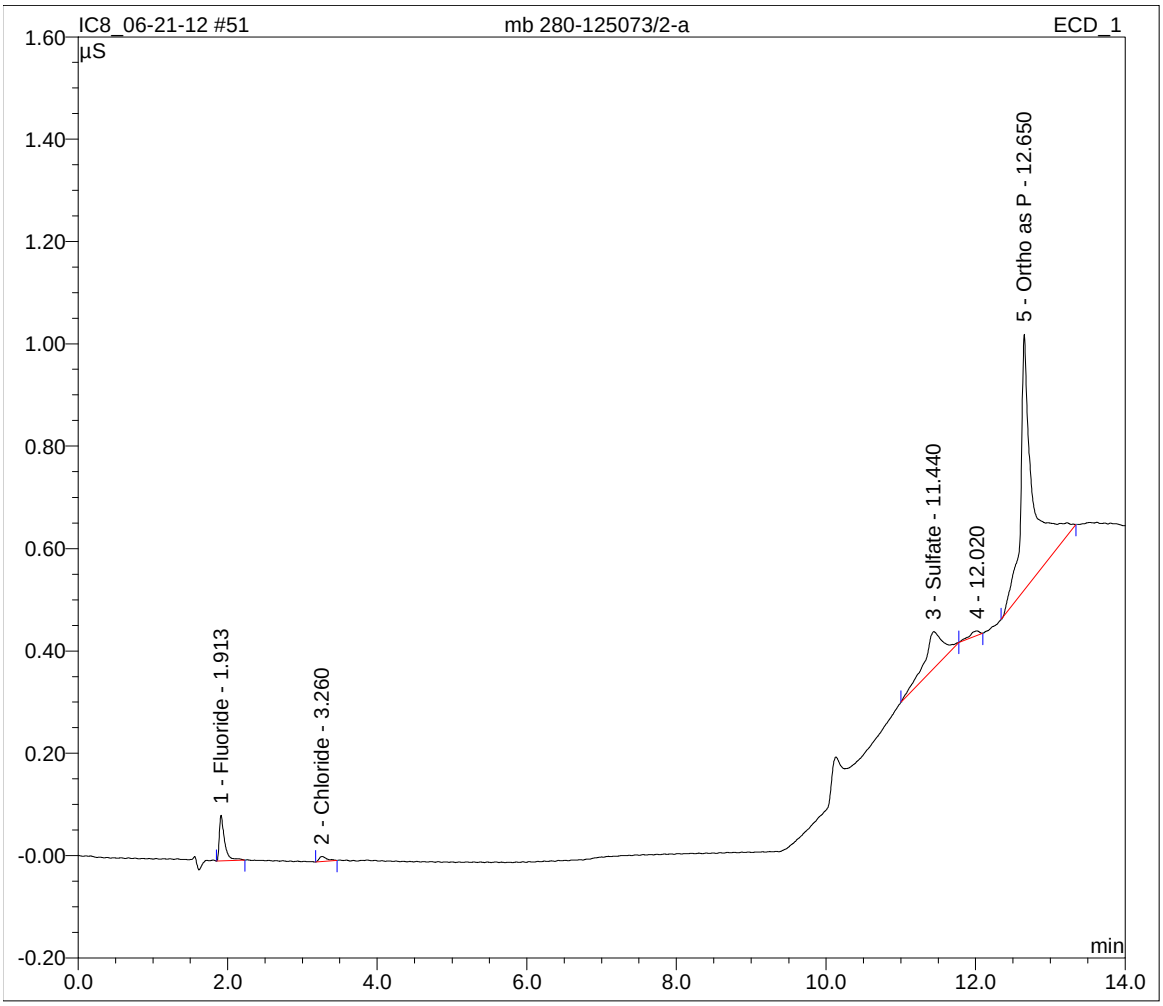
Sample Name:	**lcs 280-125073/1-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 22:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.191	13.975	5.0909
2	3.25	Chloride	BMB	3.436	36.865	25.2376
3	3.80	Nitrite	BMB	1.776	14.609	4.8635
4	6.21	Bromide	BMB	0.287	2.041	5.0200
5	6.82	Nitrate	BMB	1.741	9.184	5.0721
6	11.35	Sulfate	BMb	2.773	28.284	25.7391
8	12.62	Ortho as P	BMB	1.025	11.625	4.8031
		TOTAL:		12.23	116.58	75.83



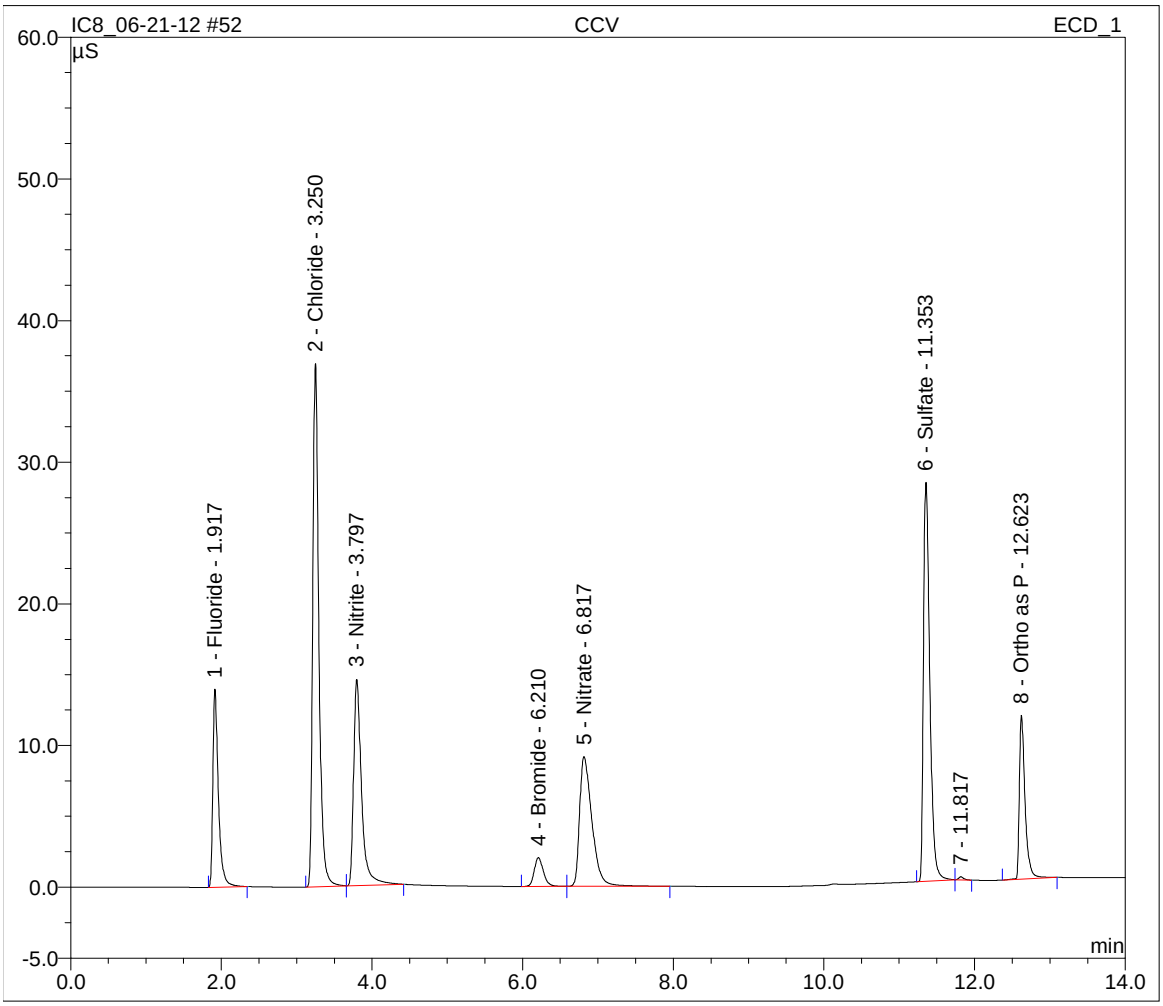
Sample Name:	**mb 280-125073/2-a**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 22:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.007	0.089	0.0088
2	3.26	Chloride	BMB	0.001	0.010	0.0740
3	11.44	Sulfate	BMB	0.021	0.072	-0.0996
5	12.65	Ortho as P	BMB	0.097	0.501	-0.1091
		TOTAL:		0.13	0.67	-0.13



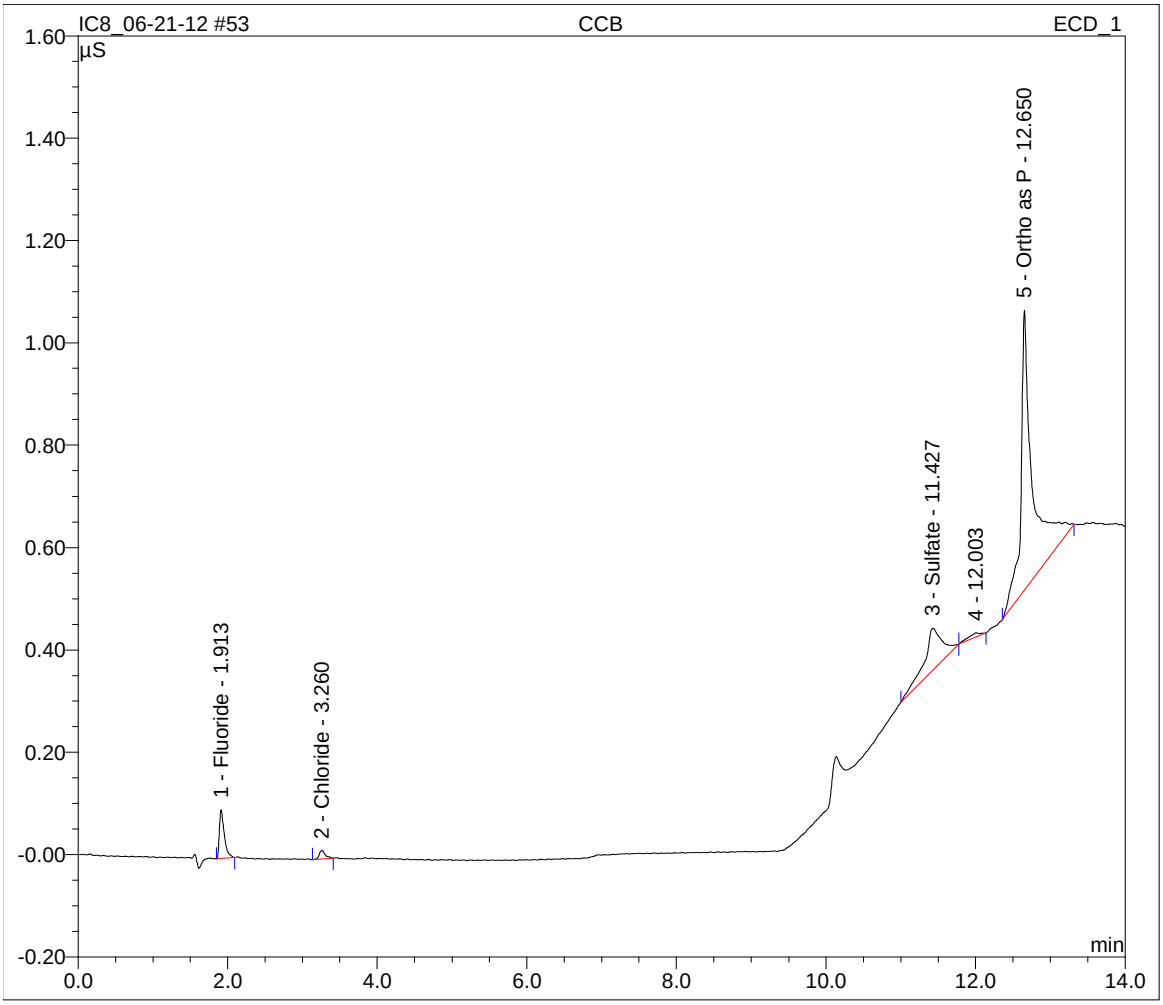
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 23:09**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.190	13.976	5.0893
2	3.25	Chloride	BMB	3.440	36.923	25.2654
3	3.80	Nitrite	bMB	1.769	14.558	4.8423
4	6.21	Bromide	BMB	0.288	2.035	5.0213
5	6.82	Nitrate	BMB	1.739	9.154	5.0665
6	11.35	Sulfate	BMb	2.749	28.165	25.5098
8	12.62	Ortho as P	BMB	1.012	11.561	4.7363
		TOTAL:		12.19	116.37	75.53



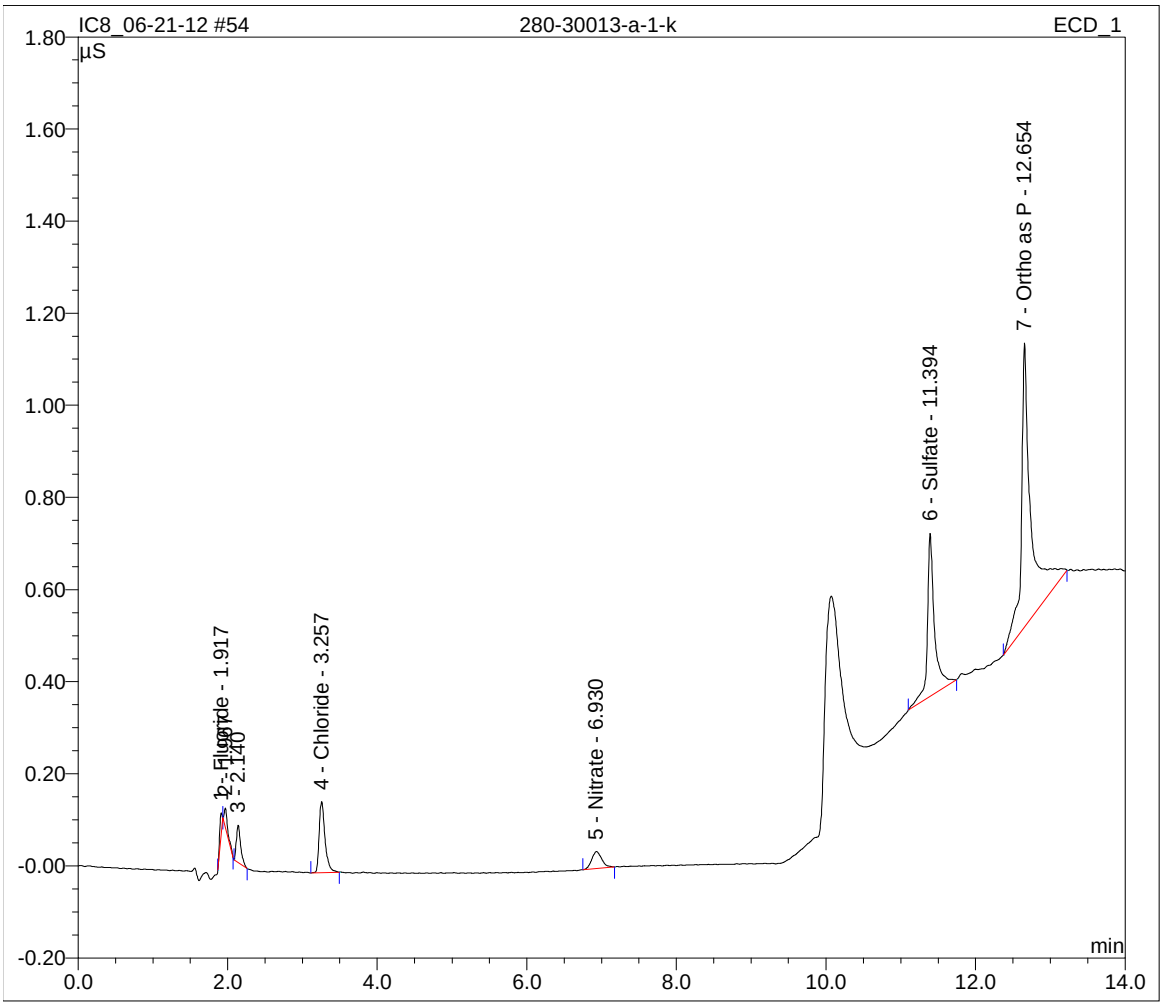
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 23:26**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.007	0.095	0.0084
2	3.26	Chloride	BMB	0.002	0.017	0.0768
3	11.43	Sulfate	BMB	0.022	0.082	-0.0831
5	12.65	Ortho as P	BMB	0.101	0.548	-0.0915
		TOTAL:		0.13	0.74	-0.09



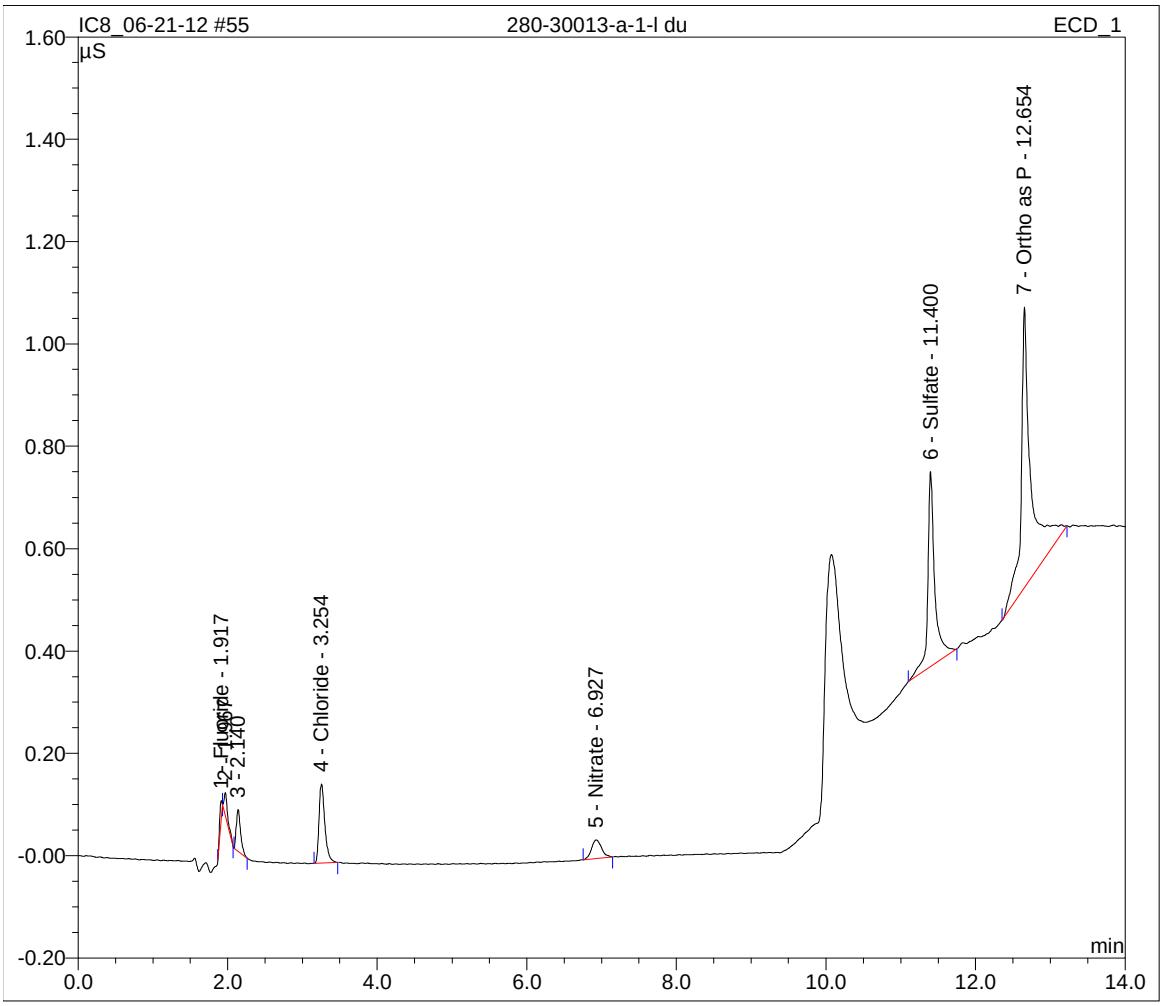
Sample Name:	**280-30013-a-1-k**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 23:43**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.002	0.043	-0.0144
4	3.26	Chloride	BMB	0.014	0.154	0.1674
5	6.93	Nitrate	BMB	0.006	0.037	0.0512
6	11.39	Sulfate	BMB	0.040	0.354	0.0796
7	12.65	Ortho as P	BMB	0.094	0.616	-0.1276
		TOTAL:		0.16	1.20	0.16



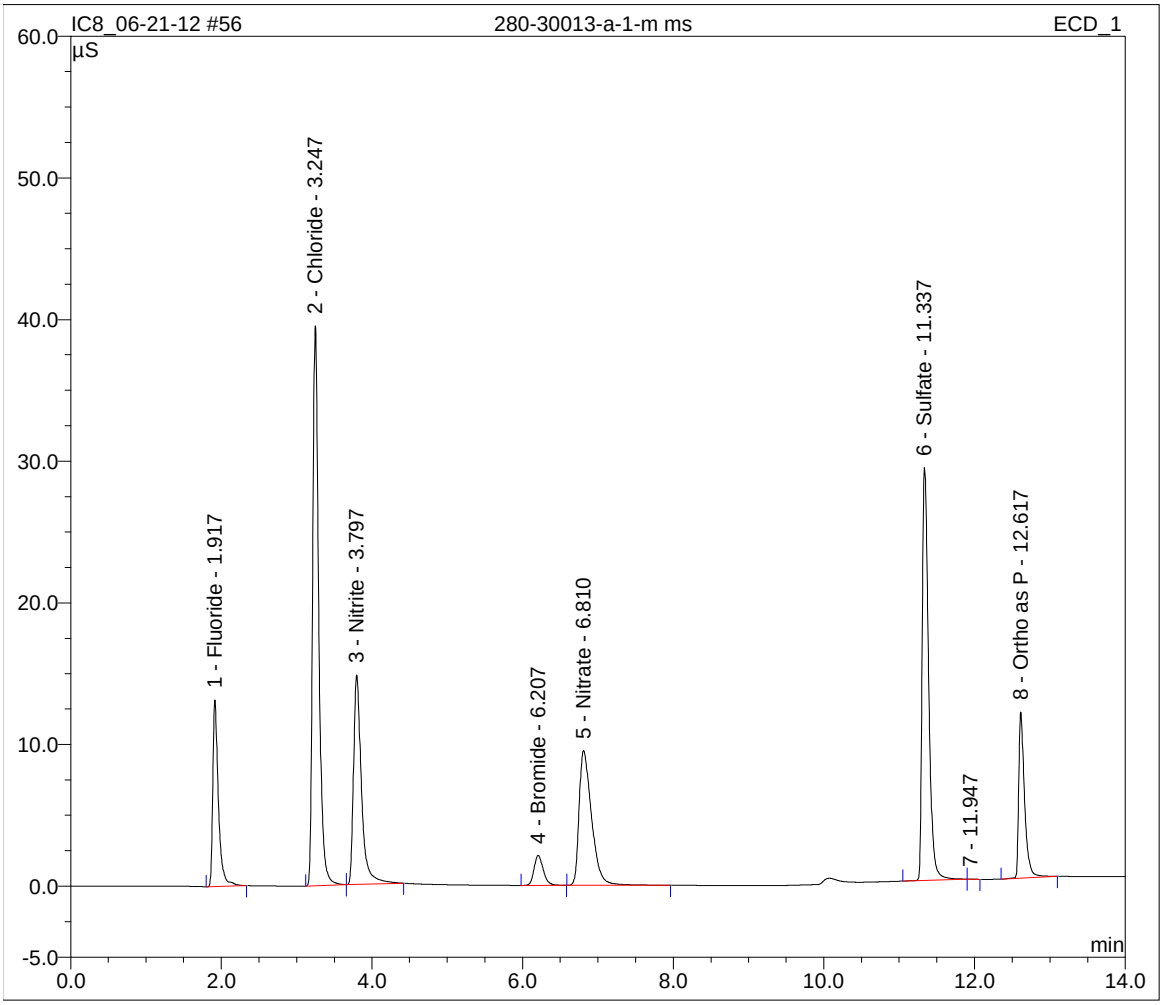
Sample Name:	**280-30013-a-1-l du**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**21.06.12 23:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.002	0.035	-0.0157
4	3.25	Chloride	BMB	0.014	0.155	0.1673
5	6.93	Nitrate	BMB	0.006	0.036	0.0509
6	11.40	Sulfate	BMB	0.042	0.381	0.1002
7	12.65	Ortho as P	BMB	0.086	0.549	-0.1685
		TOTAL:		0.15	1.16	0.13



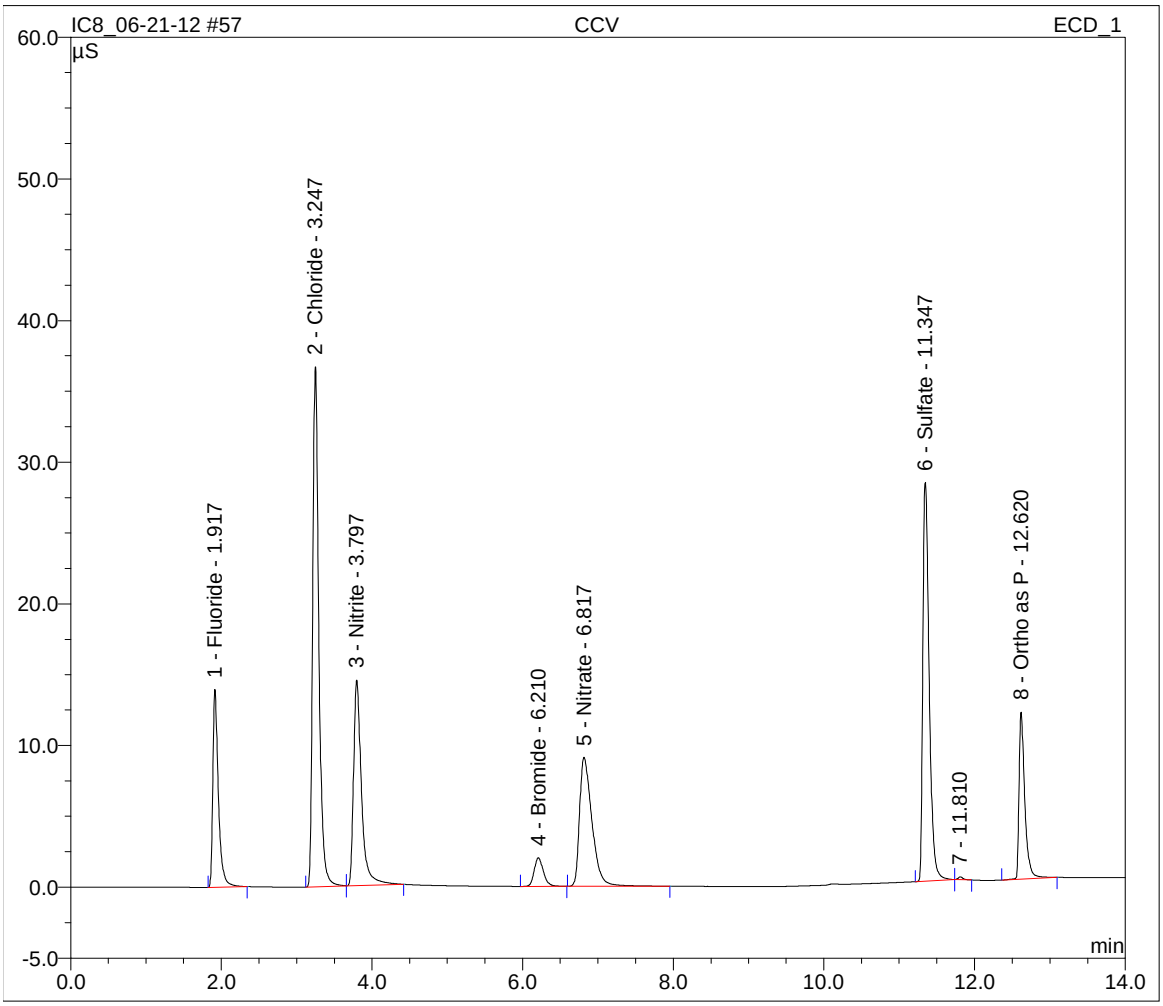
Sample Name:	**280-30013-a-1-m ms**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 00:16**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.130	13.151	4.8319
2	3.25	Chloride	BMB	3.694	39.534	27.1254
3	3.80	Nitrite	BMB	1.800	14.793	4.9268
4	6.21	Bromide	BMB	0.302	2.120	5.2629
5	6.81	Nitrate	BMB	1.826	9.507	5.3189
6	11.34	Sulfate	BMb	2.897	29.138	26.8990
8	12.62	Ortho as P	BMB	1.058	11.718	4.9793
		TOTAL:		12.71	119.96	79.34



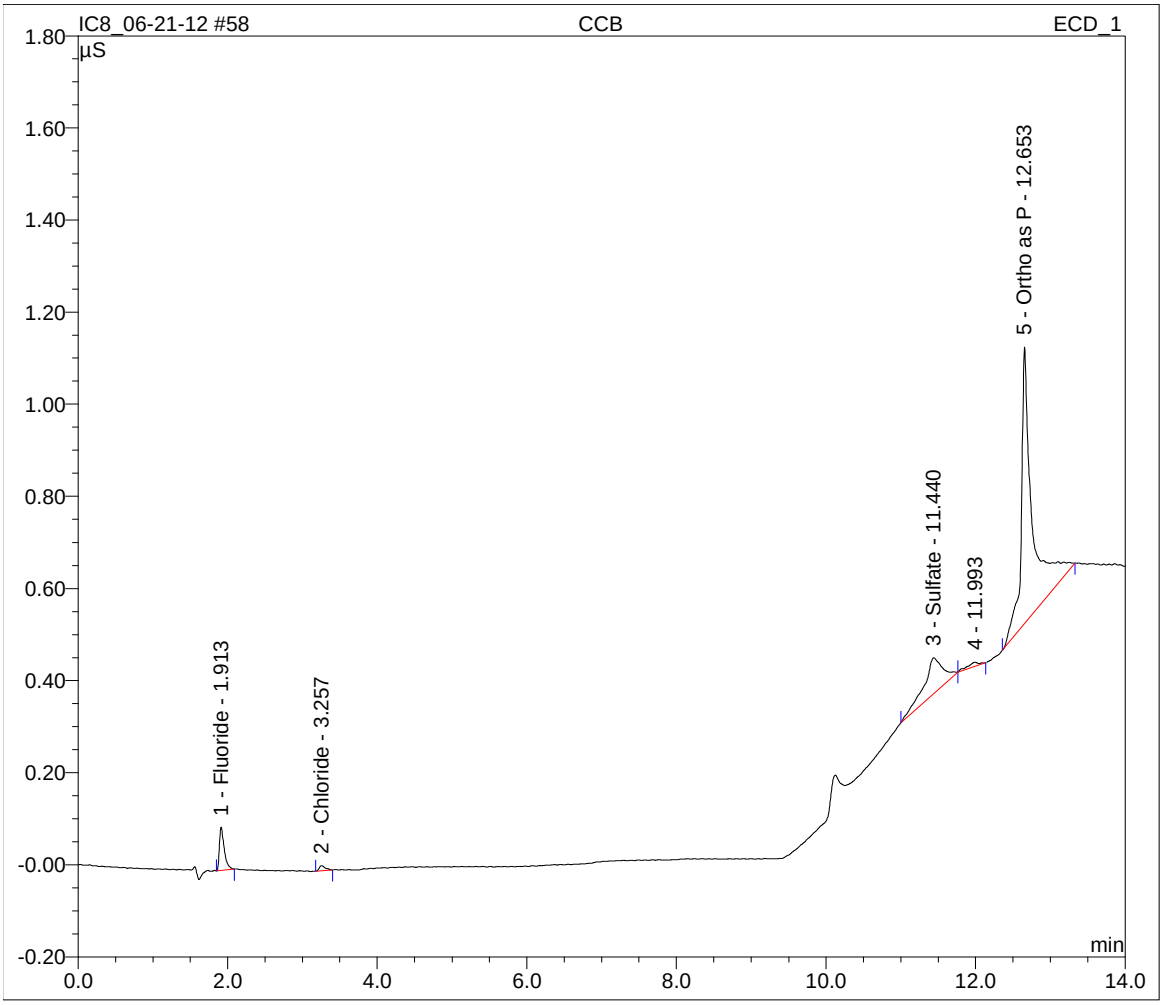
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 00:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.191	13.967	5.0921
2	3.25	Chloride	BMB	3.437	36.707	25.2493
3	3.80	Nitrite	BMB	1.760	14.494	4.8199
4	6.21	Bromide	BMB	0.287	2.015	5.0192
5	6.82	Nitrate	BMB	1.737	9.094	5.0620
6	11.35	Sulfate	BMb	2.753	28.156	25.5481
8	12.62	Ortho as P	BMB	1.043	11.781	4.9005
TOTAL:				12.21	116.21	75.69



Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 00:50**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.007	0.094	0.0076
2	3.26	Chloride	BMB	0.001	0.011	0.0729
3	11.44	Sulfate	BMB	0.023	0.078	-0.0807
5	12.65	Ortho as P	BMB	0.104	0.600	-0.0719
TOTAL:				0.13	0.78	-0.07



Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TOC **SOP #** DV-WC-0006

Instrument: SHI2 **Analyst:** D.B. **Analysis Date:** 07-13-12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30235	Aq.	—	127875	9060/9060A	Q4
30282	↓	↓	↓	↓	Q4
30538					Q4
30543					Q4
30787				↓	A4
30456				5310B	—
30457				↓	—
30497	↓	↓	↓		—

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			—
2. Correlation coefficient ≥ 0.995 ?	✓			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			—
4. ICB analyzed immediately after the ICV & results < the RL	✓			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			—
6. CCB analyzed after every CCV & results < RL?	✓			—
7. Absolute value of the intercept is < ± ½ the RL?	✓			—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			—
3. All reported results bracketed by in control CCV results?	✓			—
4. Sample analyses done within holding time?	✓			—
5. Initial pH check documented for all samples? (If Applicable)	✓			—
6. Preparation benchsheet completed and included in package?			✓	—
7. Client requirements reviewed and met?	✓			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	—
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
11. Raw data copies prepared, scanned, and uploaded?	✓			—
12. Manual integrations done properly and initialed and dated?			✓	—
13. STD/True Value information is updated and included?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?	✓			—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	—

Analyst: D.B. **Date:** 07-16-12

2nd Level Reviewer : [signature] **Date:** 7/16/12

	Analysis	Sample Name	Dilution	Result	Date / Time	Vial
1	NPOC	ICV	1.000	NPOC:19.07ppm	07/13/2012 05:09:21 PM	1
2	NPOC	ICB	1.000	NPOC:0.1213ppm	07/13/2012 05:27:43 PM	2
3	NPOC	LCS	1.000	NPOC:24.10ppm	07/13/2012 05:46:02 PM	3
4	NPOC	LCSD	1.000	NPOC:24.03ppm	07/13/2012 06:04:06 PM	4
5	NPOC	MB	1.000	NPOC:0.1213ppm	07/13/2012 06:22:29 PM	5
6	NPOC	280-30635-f-8	1.000	NPOC:6.856ppm	07/13/2012 06:39:11 PM	6
7	NPOC	280-30235-l-1	1.000	NPOC:1.397ppm	07/13/2012 06:58:41 PM	7
8	NPOC	MS 280-30235-l-1	1.000	NPOC:25.44ppm	07/13/2012 07:16:20 PM	8
9	NPOC	MSD 280-30235-l-1	1.000	NPOC:25.47ppm	07/13/2012 07:34:18 PM	9
10	NPOC	280-30235-d-2	1.000	NPOC:1.400ppm	07/13/2012 07:53:44 PM	10
11	NPOC	280-30235-d-3	1.000	NPOC:0.8059ppm	07/13/2012 08:10:50 PM	11
12	NPOC	280-30235-d-4	1.000	NPOC:0.8063ppm	07/13/2012 08:26:15 PM	12
13	NPOC	280-30235-d-5	1.000	NPOC:0.6195ppm	07/13/2012 08:41:29 PM	13
14	NPOC	280-30235-d-6	1.000	NPOC:0.5586ppm	07/13/2012 08:56:37 PM	14
15	NPOC	280-30235-d-7	1.000	NPOC:2.414ppm	07/13/2012 09:12:42 PM	15
16	NPOC	CCV	1.000	NPOC:24.08ppm	07/13/2012 09:30:42 PM	16
17	NPOC	CCB	1.000	NPOC:0.1213ppm	07/13/2012 09:49:05 PM	17
18	NPOC	280-30235-d-8	1.000	NPOC:3.022ppm	07/13/2012 10:07:16 PM	18
19	NPOC	280-30235-d-9	1.000	NPOC:0.3302ppm	07/13/2012 10:23:41 PM	19
20	NPOC	280-30282-d-1	1.000	NPOC:3.090ppm	07/13/2012 10:39:48 PM	20
21	NPOC	MS 280-30282-d-1	1.000	NPOC:26.98ppm	07/13/2012 10:57:34 PM	21
22	NPOC	MSD 280-30282-d-1	1.000	NPOC:27.07ppm	07/13/2012 11:15:20 PM	22
23	NPOC	280-30282-d-2	1.000	NPOC:0.4987ppm	07/13/2012 11:33:56 PM	23
24	NPOC	280-30282-d-3	1.000	NPOC:4.295ppm	07/13/2012 11:52:22 PM	24
25	NPOC	280-30282-d-4	1.000	NPOC:0.9719ppm	07/14/2012 12:09:51 AM	25
26	NPOC	280-30282-d-5	1.000	NPOC:0.7233ppm	07/14/2012 12:27:02 AM	26
27	NPOC	280-30282-d-6	1.000	NPOC:0.7337ppm	07/14/2012 12:44:11 AM	27
28	NPOC	CCV	1.000	NPOC:23.97ppm	07/14/2012 01:02:28 AM	28
29	NPOC	CCB	1.000	NPOC:0.1213ppm	07/14/2012 01:20:52 AM	29
30	NPOC	280-30282-d-7	1.000	NPOC:0.7007ppm	07/14/2012 01:38:03 AM	30
31	NPOC	280-30282-d-8	1.000	NPOC:2.280ppm	07/14/2012 01:56:09 AM	31
32	NPOC	280-30282-d-9	1.000	NPOC:0.2361ppm	07/14/2012 02:12:03 AM	32
33	NPOC	LCS	1.000	NPOC:24.08ppm	07/14/2012 02:30:24 AM	33
34	NPOC	LCSD	1.000	NPOC:24.18ppm	07/14/2012 02:48:48 AM	34
35	NPOC	MB	1.000	NPOC:0.1213ppm	07/14/2012 03:07:04 AM	35
36	NPOC	280-30538-j-1	1.000	NPOC:4.113ppm	07/14/2012 03:25:43 AM	36
37	NPOC	280-30538-ac-2	1.000	NPOC:1.025ppm	07/14/2012 03:43:20 AM	37
38	NPOC	MS 280-30538-ac-2	1.000	NPOC:25.35ppm	07/14/2012 04:01:13 AM	38
39	NPOC	MSD 280-30538-ac-2	1.000	NPOC:25.27ppm	07/14/2012 04:19:07 AM	39
40	NPOC	CCV	1.000	NPOC:24.13ppm	07/14/2012 04:37:33 AM	40
41	NPOC	CCB	1.000	NPOC:0.1213ppm	07/14/2012 04:55:55 AM	41
42	NPOC	280-30538-j-3	1.000	NPOC:2.089ppm	07/14/2012 05:14:06 AM	42
43	NPOC	280-30538-j-4	1.000	NPOC:2.109ppm	07/14/2012 05:32:14 AM	43
44	NPOC	280-30543-d-9	1.000	NPOC:6.595ppm	07/14/2012 05:49:03 AM	44
45	NPOC	280-30787-a-9	1.000	NPOC:97.19ppm	07/14/2012 06:10:38 AM	45
46	NPOC	280-30787-a-10	1.000	NPOC:8.906ppm	07/14/2012 06:29:42 AM	46
47	NPOC	280-30787-a-11	1.000	NPOC:3.063ppm	07/14/2012 06:48:00 AM	47
48	NPOC	LCS	1.000	NPOC:24.27ppm	07/14/2012 07:06:16 AM	48
49	NPOC	LCSD	1.000	NPOC:24.25ppm	07/14/2012 07:24:38 AM	49
50	NPOC	MB	1.000	NPOC:0.1213ppm	07/14/2012 07:42:56 AM	50
51	NPOC	280-30456-c-1	10.00	NPOC:1285ppm	07/14/2012 08:05:12 AM	51
52	NPOC	CCV	1.000	NPOC:24.33ppm	07/14/2012 08:23:25 AM	52
53	NPOC	CCB	1.000	NPOC:0.1213ppm	07/14/2012 08:41:52 AM	53
54	NPOC	280-30456-c-2	20.00	NPOC:1938ppm	07/14/2012 09:03:24 AM	54
55	NPOC	280-30456-c-3	20.00	NPOC:2261ppm	07/14/2012 09:25:17 AM	55
56	NPOC	280-30456-c-4	20.00	NPOC:1792ppm	07/14/2012 09:46:51 AM	56
57	NPOC	280-30456-c-5	20.00	NPOC:987.6ppm	07/14/2012 10:05:26 AM	57
58	NPOC	280-30456-c-6	20.00	NPOC:599.2ppm	07/14/2012 10:23:31 AM	58
59	NPOC	280-30457-c-8	1.000	NPOC:3.401ppm	07/14/2012 10:43:58 AM	59
60	NPOC	MS 280-30457-c-8	1.000	NPOC:27.74ppm	07/14/2012 11:01:53 AM	60
61	NPOC	MSD 280-30457-c-8	1.000	NPOC:27.78ppm	07/14/2012 11:19:42 AM	61
62	NPOC	280-30457-c-9	1.000	NPOC:4.151ppm	07/14/2012 11:40:20 AM	62
63	NPOC	280-30457-c-10	1.000	NPOC:2.519ppm	07/14/2012 12:00:31 PM	63
64	NPOC	CCV	1.000	NPOC:24.26ppm	07/14/2012 12:18:43 PM	64
65	NPOC	CCB	1.000	NPOC:0.1213ppm	07/14/2012 12:38:42 PM	65
66	NPOC	280-30457-c-11	1.000	NPOC:2.226ppm	07/14/2012 12:58:41 PM	66
67	NPOC	280-30457-c-12	1.000	NPOC:2.469ppm	07/14/2012 01:18:46 PM	67
68	NPOC	280-30457-c-13	1.000	NPOC:1.436ppm	07/14/2012 01:38:20 PM	68
69	NPOC	280-30497-b-13	1.000	NPOC:0.6255ppm	07/14/2012 01:57:04 PM	69
70	NPOC	MS 280-30497-b-13	1.000	NPOC:24.64ppm	07/14/2012 02:14:42 PM	70

	Analysis	Sample Name	Dilution	Result	Date / Time	Vial
71	NPOC	MSD 280-30497-b-13	1.000	NPOC:24.69ppm	07/14/2012 02:32:34 PM	71
72	NPOC	280-30497-b-14	1.000	NPOC:0.5343ppm	07/14/2012 02:51:17 PM	72
73	NPOC	280-30497-b-15	1.000	NPOC:0.7778ppm	07/14/2012 03:10:15 PM	73
74	NPOC	280-30497-b-16	1.000	NPOC:0.6606ppm	07/14/2012 03:29:11 PM	74
75	NPOC	280-30497-b-17	1.000	NPOC:0.6571ppm	07/14/2012 03:48:07 PM	75
76	NPOC	CCV	1.000	NPOC:23.97ppm	07/14/2012 04:06:22 PM	76
77	NPOC	CCB	1.000	NPOC:0.1213ppm	07/14/2012 04:24:48 PM	77
78	NPOC	280-30497-b-18	1.000	NPOC:0.5112ppm	07/14/2012 04:41:44 PM	78
79	NPOC	CCV	1.000	NPOC:24.11ppm	07/14/2012 05:00:07 PM	79
80	NPOC	CCB	1.000	NPOC:0.1213ppm	07/14/2012 05:18:35 PM	80

Instr.Information

System	TOC-VCSH(2)
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TOC .met
Status	Completed
Chk. Result	

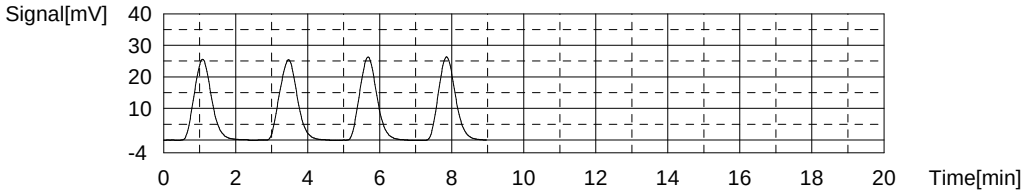
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.07ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.66	18.73ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:02:09 PM
2	88.11	19.26ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:04:35 PM
3	88.00	19.23ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:06:58 PM
4	87.22	19.06ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:09:21 PM

Mean Area 87.25
Mean Conc. 19.07ppm



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TOC .met
Status	Completed
Chk. Result	

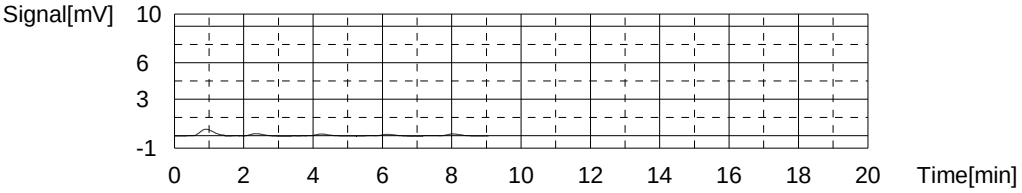
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.282	0.3997ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:19:19 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:21:25 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:23:31 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:25:37 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:27:43 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: LCS
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

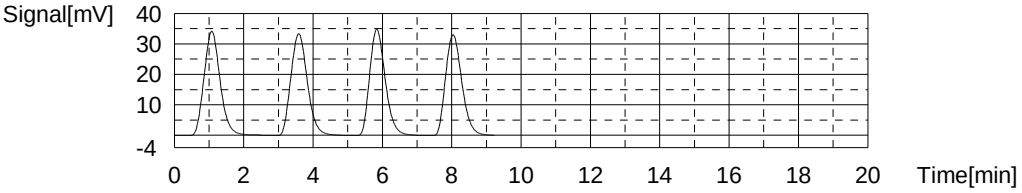
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.10ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.1	24.25ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:38:43 PM
2	111.3	24.29ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:41:13 PM
3	109.9	23.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:43:36 PM
4	109.4	23.88ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:46:02 PM

Mean Area 110.4
Mean Conc. 24.10ppm



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

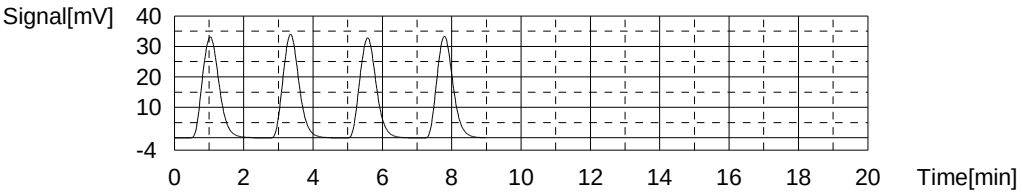
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.03ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.6	24.36ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:56:50 PM
2	110.5	24.12ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 05:59:15 PM
3	109.4	23.88ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:01:41 PM
4	108.9	23.77ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:04:06 PM

Mean Area 110.1
Mean Conc. 24.03ppm



Sample

Sample Name: MB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

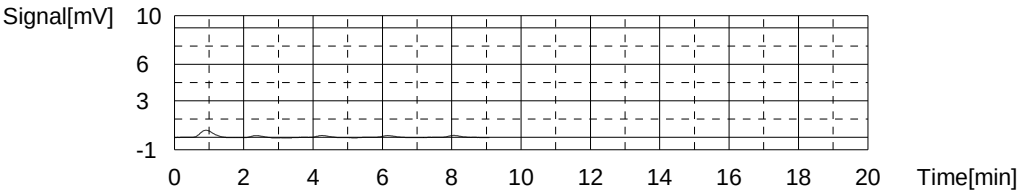
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.361	0.4169ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:14:05 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:16:11 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:18:17 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:20:23 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:22:29 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30635-f-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

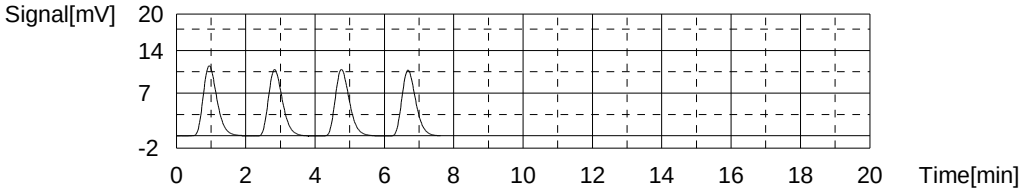
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.856ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	31.72	7.011ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:32:51 PM
2	30.99	6.852ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:34:58 PM
3	30.99	6.852ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:37:05 PM
4	30.33	6.709ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:39:11 PM

Mean Area 31.01
Mean Conc. 6.856ppm



Sample

Sample Name: 280-30235-I-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

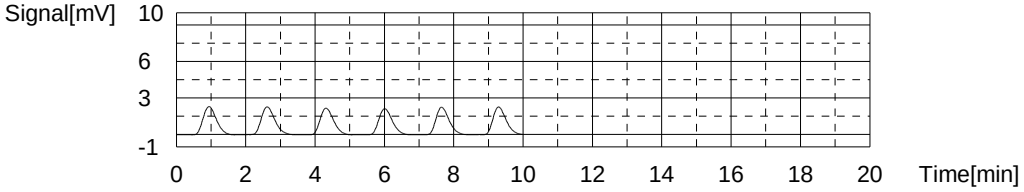
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.397ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.246	1.478ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:49:22 PM
2	6.135	1.454ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:51:16 PM
3	5.878	1.398ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:53:09 PM
4	5.786	1.378ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:55:01 PM
5	5.878	1.398ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:56:52 PM
6	5.956	1.415ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 06:58:41 PM

Mean Area 5.875
Mean Conc. 1.397ppm



Sample

Sample Name: MS 280-30235-I-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

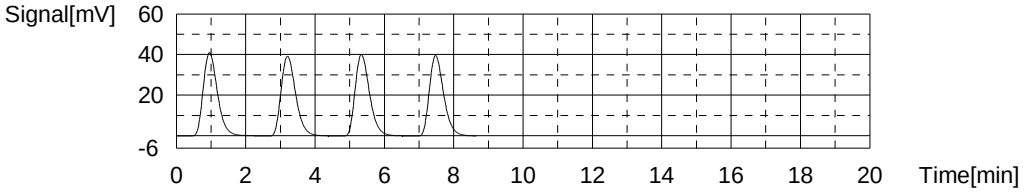
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.44ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	117.7	25.68ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:09:19 PM
2	116.4	25.40ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:11:40 PM
3	117.1	25.55ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:14:00 PM
4	115.1	25.12ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:16:20 PM

Mean Area 116.6
Mean Conc. 25.44ppm



Sample

Sample Name: MSD 280-30235-I-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

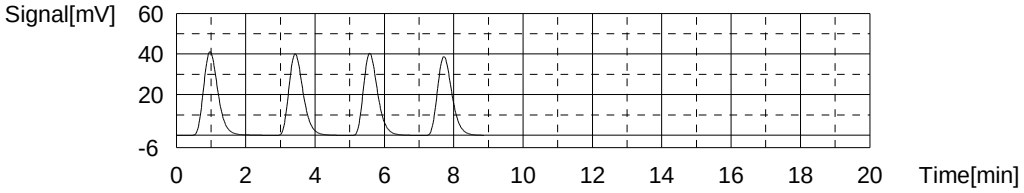
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.47ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	119.8	26.14ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:27:18 PM
2	116.4	25.40ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:29:39 PM
3	116.2	25.36ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:31:58 PM
4	114.4	24.97ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:34:18 PM

Mean Area 116.7
Mean Conc. 25.47ppm



Sample

Sample Name: 280-30235-d-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

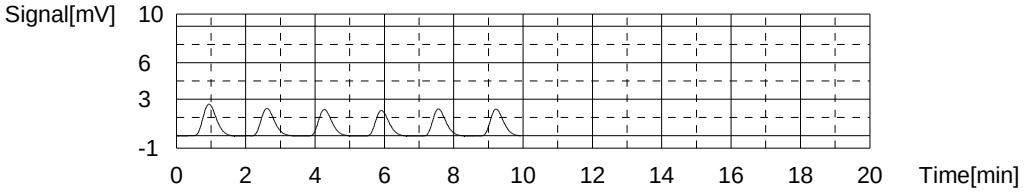
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.400ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.025	1.647ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:44:29 PM
2	6.065	1.439ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:46:20 PM
3	5.783	1.377ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:48:11 PM
4	5.576	1.332ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:50:02 PM
5	5.854	1.393ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:51:54 PM
6	5.853	1.393ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 07:53:44 PM

Mean Area 5.889
Mean Conc. 1.400ppm



Sample

Sample Name: 280-30235-d-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

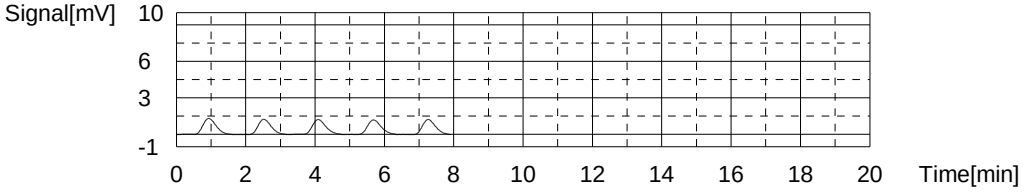
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8059ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.361	0.8513ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:03:44 PM
2	3.193	0.8148ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:05:30 PM
3	3.159	0.8074ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:07:17 PM
4	3.136	0.8024ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:09:04 PM
5	3.121	0.7992ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:10:50 PM

Mean Area 3.152
Mean Conc. 0.8059ppm



Sample

Sample Name: 280-30235-d-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

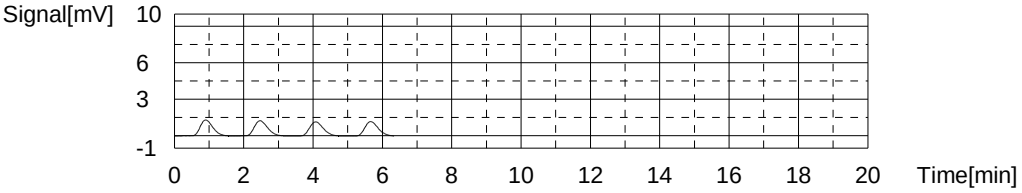
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8063ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.226	0.8220ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:20:52 PM
2	3.211	0.8187ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:22:39 PM
3	3.076	0.7894ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:24:27 PM
4	3.102	0.7950ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:26:15 PM

Mean Area 3.154
Mean Conc. 0.8063ppm



Sample

Sample Name: 280-30235-d-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

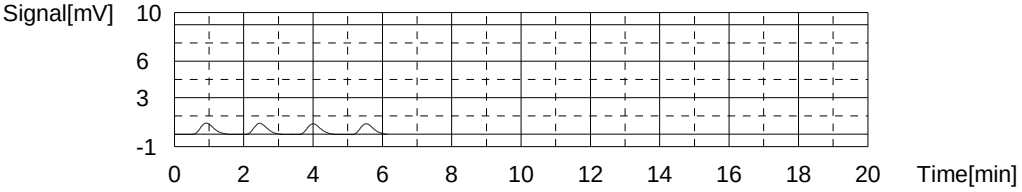
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6195ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.325	0.6263ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:36:17 PM
2	2.315	0.6241ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:38:02 PM
3	2.266	0.6135ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:39:46 PM
4	2.270	0.6143ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:41:29 PM

Mean Area 2.294
Mean Conc. 0.6195ppm



Sample

Sample Name: 280-30235-d-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

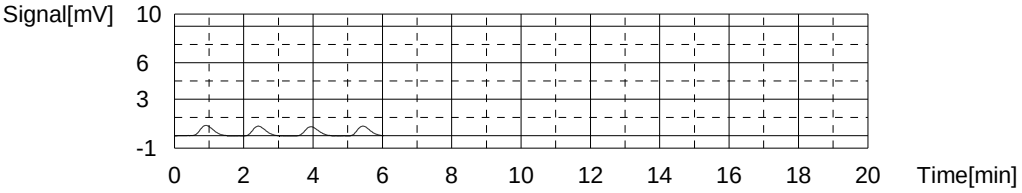
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5586ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.102	0.5778ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:51:30 PM
2	2.011	0.5581ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:53:12 PM
3	1.936	0.5418ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:54:55 PM
4	2.004	0.5566ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 08:56:37 PM

Mean Area 2.013
Mean Conc. 0.5586ppm



Sample

Sample Name: 280-30235-d-7
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

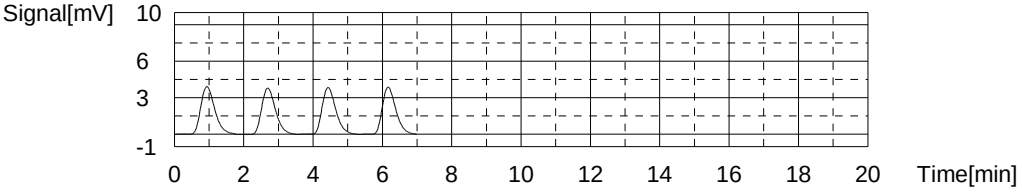
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.414ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.83	2.473ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:06:52 PM
2	10.55	2.413ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:08:49 PM
3	10.42	2.384ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:10:46 PM
4	10.43	2.387ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:12:42 PM

Mean Area 10.56
Mean Conc. 2.414ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

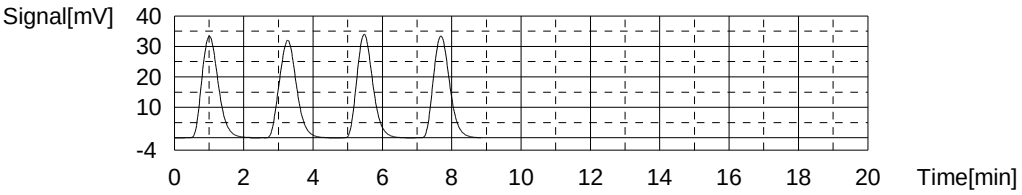
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.08ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	110.2	24.06ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:23:23 PM
2	111.3	24.29ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:25:54 PM
3	109.9	23.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:28:19 PM
4	109.9	23.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:30:42 PM

Mean Area 110.3
Mean Conc. 24.08ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

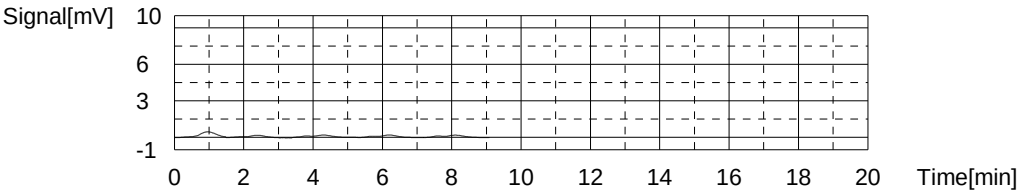
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9581	0.3294ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:40:41 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:42:47 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:44:53 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:46:59 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:49:05 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30235-d-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

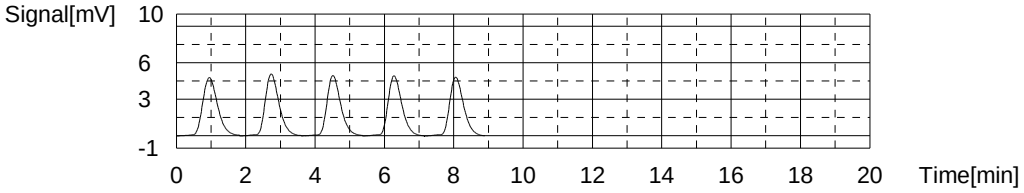
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.022ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.81	3.121ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 09:59:23 PM
2	13.71	3.099ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:01:22 PM
3	13.27	3.003ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:03:20 PM
4	13.29	3.008ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:05:18 PM
5	13.16	2.980ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:07:16 PM

Mean Area 13.36
Mean Conc. 3.022ppm



Sample

Sample Name: 280-30235-d-9
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

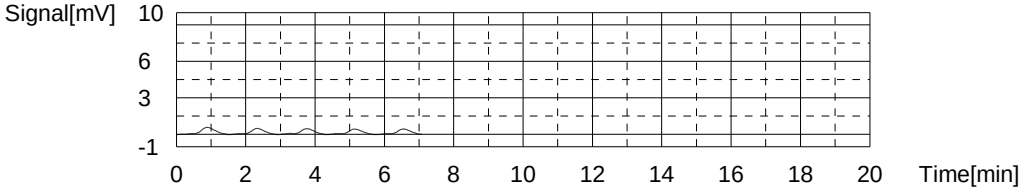
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3302ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.267	0.3965ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:17:13 PM
2	1.073	0.3543ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:18:52 PM
3	0.9258	0.3224ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:20:27 PM
4	0.9267	0.3226ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:22:03 PM
5	0.9213	0.3214ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:23:41 PM

Mean Area 0.9617
Mean Conc. 0.3302ppm



Sample

Sample Name: 280-30282-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

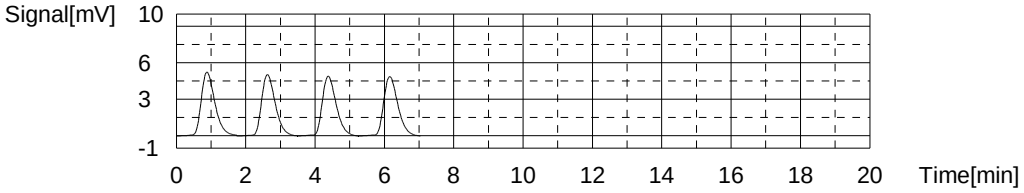
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.090ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.97	3.155ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:33:54 PM
2	13.63	3.082ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:35:51 PM
3	13.46	3.045ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:37:49 PM
4	13.61	3.077ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:39:48 PM

Mean Area 13.67
Mean Conc. 3.090ppm



Sample

Sample Name: MS 280-30282-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

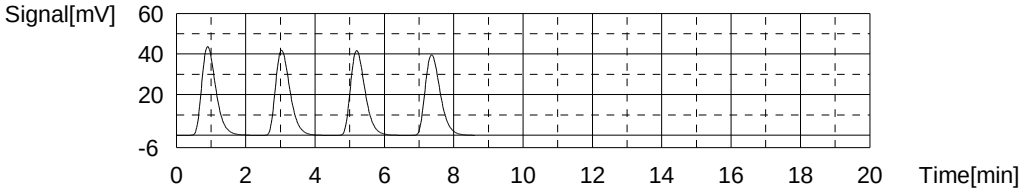
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:26.98ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	125.3	27.34ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:50:29 PM
2	123.6	26.97ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:52:50 PM
3	123.8	27.01ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:55:11 PM
4	122.0	26.62ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 10:57:34 PM

Mean Area 123.7
Mean Conc. 26.98ppm



Sample

Sample Name: MSD 280-30282-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

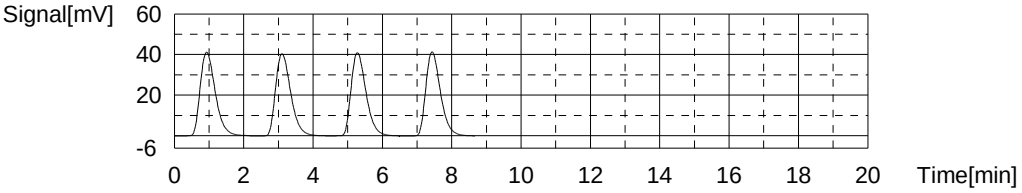
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:27.07ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	125.5	27.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:08:14 PM
2	124.2	27.10ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:10:37 PM
3	123.5	26.94ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:12:58 PM
4	123.1	26.86ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:15:20 PM

Mean Area 124.1
Mean Conc. 27.07ppm



Sample

Sample Name: 280-30282-d-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

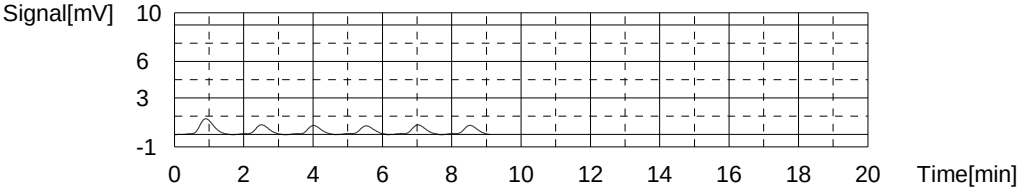
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4987ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.315	0.8413ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:25:27 PM
2	1.842	0.5214ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:27:09 PM
3	1.733	0.4977ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:28:51 PM
4	1.652	0.4801ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:30:33 PM
5	1.897	0.5333ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:32:16 PM
6	1.724	0.4957ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:33:56 PM

Mean Area 1.738
Mean Conc. 0.4987ppm



Sample

Sample Name: 280-30282-d-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

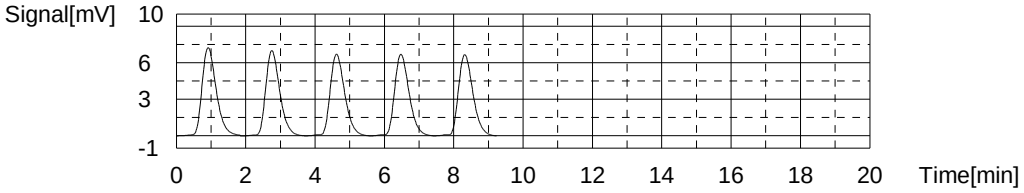
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.295ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	20.11	4.489ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:44:10 PM
2	19.45	4.346ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:46:13 PM
3	19.19	4.289ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:48:16 PM
4	19.11	4.272ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:50:19 PM
5	19.12	4.274ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/13/2012 11:52:22 PM

Mean Area 19.22
Mean Conc. 4.295ppm



Sample

Sample Name: 280-30282-d-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

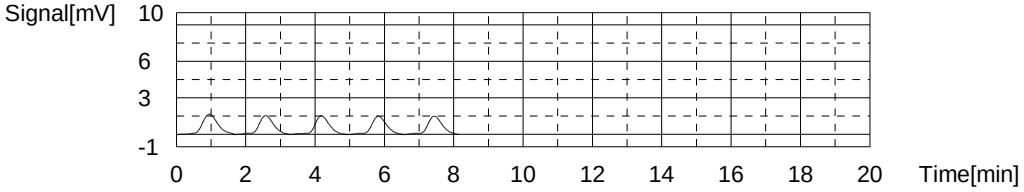
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9719ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.471	1.092ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:02:30 AM
2	3.945	0.9781ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:04:19 AM
3	3.945	0.9781ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:06:11 AM
4	3.902	0.9688ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:08:01 AM
5	3.873	0.9625ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:09:51 AM

Mean Area 3.916
Mean Conc. 0.9719ppm



Sample

Sample Name: 280-30282-d-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

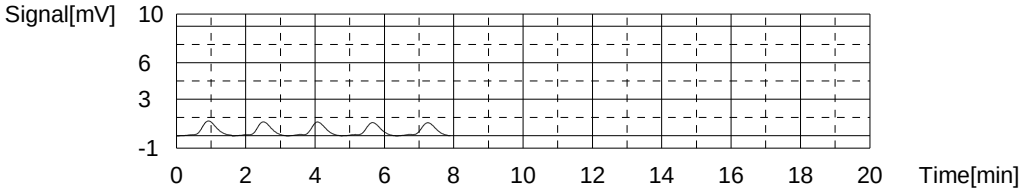
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7233ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.051	0.7839ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:19:56 AM
2	2.872	0.7451ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:21:42 AM
3	2.760	0.7207ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:23:28 AM
4	2.718	0.7116ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:25:15 AM
5	2.737	0.7158ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:27:02 AM

Mean Area 2.772
Mean Conc. 0.7233ppm



Sample

Sample Name: 280-30282-d-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

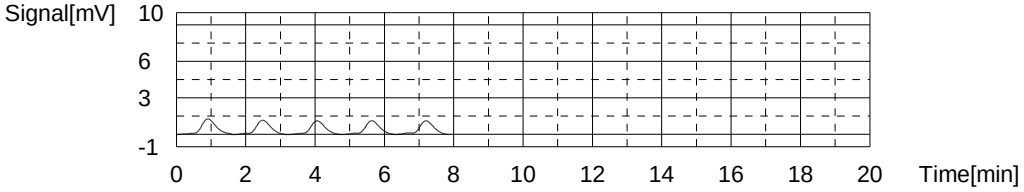
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7337ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.138	0.8028ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:37:05 AM
2	2.958	0.7638ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:38:51 AM
3	2.750	0.7186ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:40:38 AM
4	2.805	0.7305ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:42:24 AM
5	2.766	0.7221ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:44:11 AM

Mean Area 2.820
Mean Conc. 0.7337ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

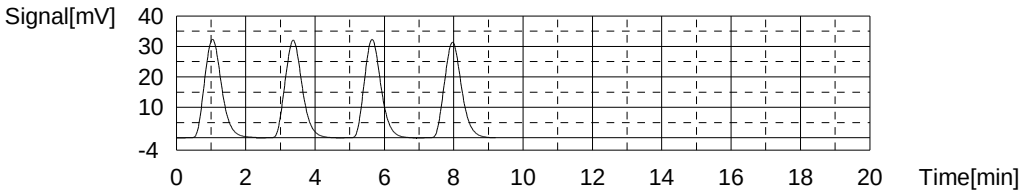
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.97ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	110.8	24.19ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:54:58 AM
2	110.7	24.16ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:57:28 AM
3	108.9	23.77ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:59:58 AM
4	108.9	23.77ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:02:28 AM

Mean Area 109.8
Mean Conc. 23.97ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

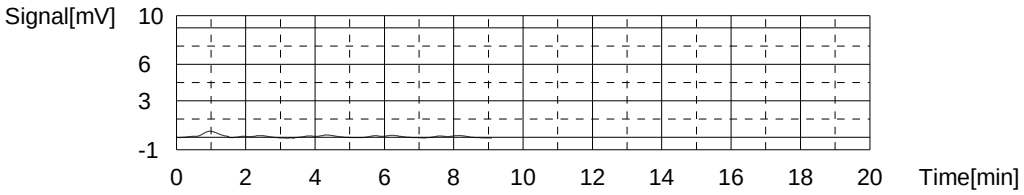
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.087	0.3574ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:12:28 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:14:34 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:16:40 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:18:46 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:20:52 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30282-d-7
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

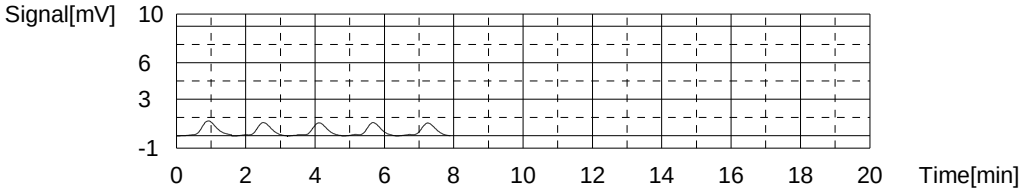
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7007ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.111	0.7970ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:30:56 AM
2	2.739	0.7162ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:32:44 AM
3	2.680	0.7034ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:34:31 AM
4	2.654	0.6977ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:36:16 AM
5	2.597	0.6853ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:38:03 AM

Mean Area 2.668
Mean Conc. 0.7007ppm



Sample

Sample Name: 280-30282-d-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

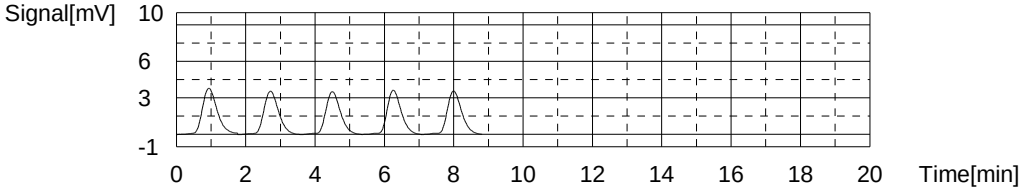
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.280ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.55	2.413ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:48:18 AM
2	10.15	2.326ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:50:17 AM
3	9.858	2.262ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:52:16 AM
4	9.826	2.255ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:54:12 AM
5	9.914	2.275ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:56:09 AM

Mean Area 9.937
Mean Conc. 2.280ppm



Sample

Sample Name: 280-30282-d-9
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

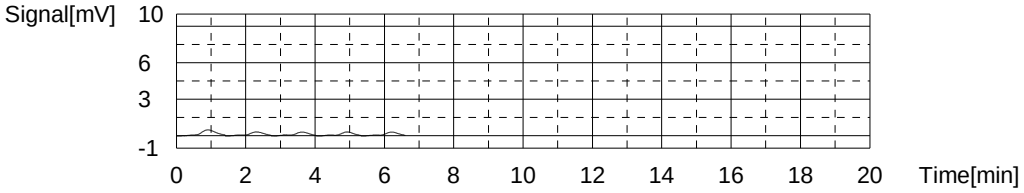
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2361ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9344	0.3242ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:06:03 AM
2	0.5612	0.2432ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:07:35 AM
3	0.5012	0.2302ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:09:05 AM
4	0.5332	0.2371ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:10:34 AM
5	0.5196	0.2342ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:12:03 AM

Mean Area 0.5288
Mean Conc. 0.2361ppm



Sample

Sample Name: LCS
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

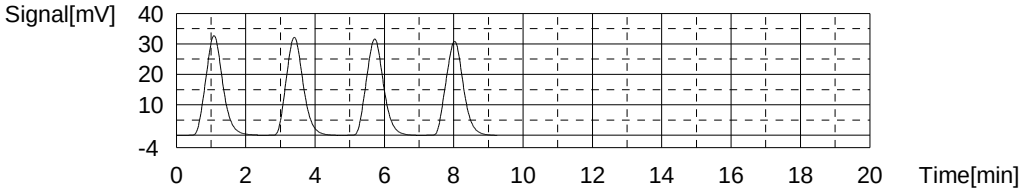
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.08ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.3	24.51ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:22:53 AM
2	110.2	24.06ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:25:23 AM
3	110.1	24.03ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:27:53 AM
4	108.6	23.71ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:30:24 AM

Mean Area 110.3
Mean Conc. 24.08ppm



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

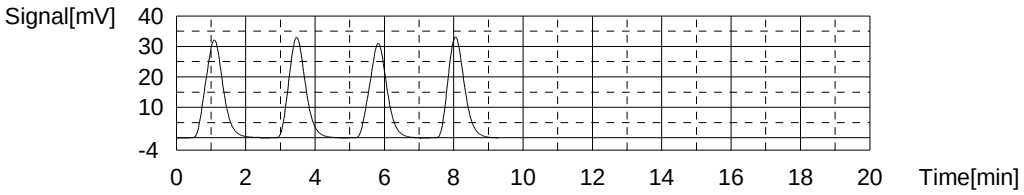
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.18ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.8	24.62ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:41:20 AM
2	110.9	24.21ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:43:49 AM
3	109.2	23.84ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:46:21 AM
4	110.2	24.06ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:48:48 AM

Mean Area 110.8
Mean Conc. 24.18ppm



Sample

Sample Name: MB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

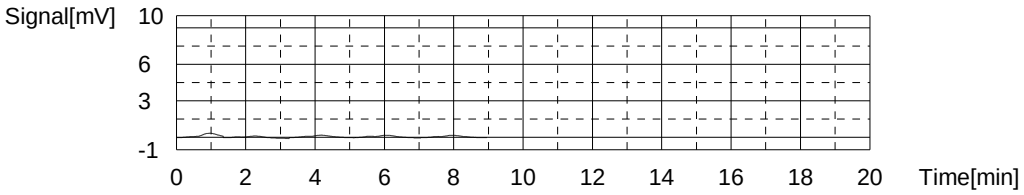
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5560	0.2421ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:58:40 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:00:46 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:02:52 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:04:58 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:07:04 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30538-j-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

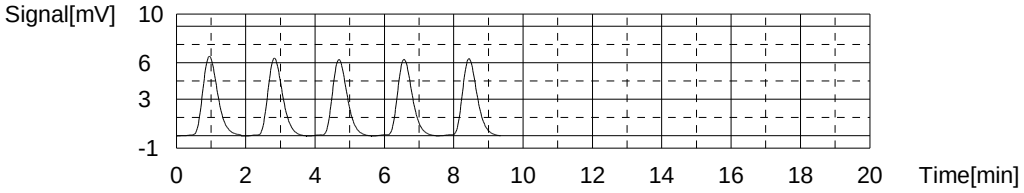
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.113ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.11	4.272ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:17:26 AM
2	18.69	4.181ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:19:30 AM
3	18.29	4.094ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:21:35 AM
4	18.27	4.089ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:23:39 AM
5	18.26	4.087ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:25:43 AM

Mean Area 18.38
Mean Conc. 4.113ppm



Sample

Sample Name: 280-30538-ac-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

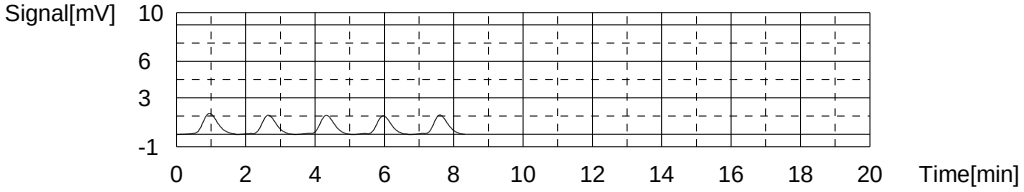
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.025ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.742	1.151ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:35:55 AM
2	4.256	1.046ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:37:48 AM
3	4.126	1.017ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:39:38 AM
4	4.060	1.003ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:41:30 AM
5	4.204	1.034ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:43:20 AM

Mean Area 4.162
Mean Conc. 1.025ppm



Sample

Sample Name: MS 280-30538-ac-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

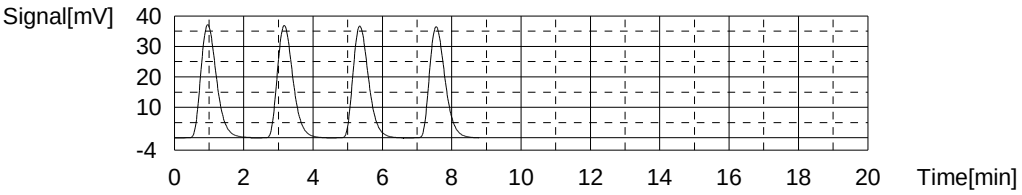
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.35ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	117.4	25.62ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:54:02 AM
2	116.6	25.45ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:56:25 AM
3	115.6	25.23ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:58:50 AM
4	115.1	25.12ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:01:13 AM

Mean Area 116.2
Mean Conc. 25.35ppm



Sample

Sample Name: MSD 280-30538-ac-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

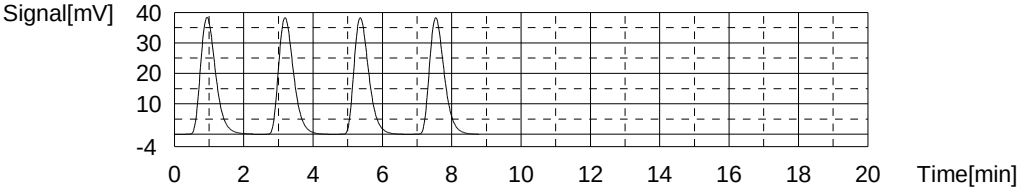
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.27ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	117.1	25.55ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:11:59 AM
2	116.6	25.45ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:14:22 AM
3	114.6	25.01ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:16:44 AM
4	114.9	25.08ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:19:07 AM

Mean Area 115.8
Mean Conc. 25.27ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

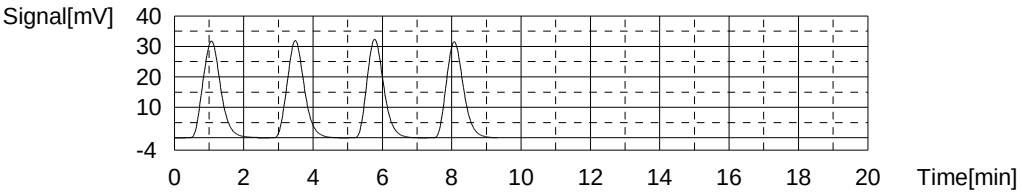
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.13ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.1	24.69ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:30:02 AM
2	110.3	24.08ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:32:34 AM
3	109.9	23.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:35:03 AM
4	108.9	23.77ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:37:33 AM

Mean Area 110.6
Mean Conc. 24.13ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

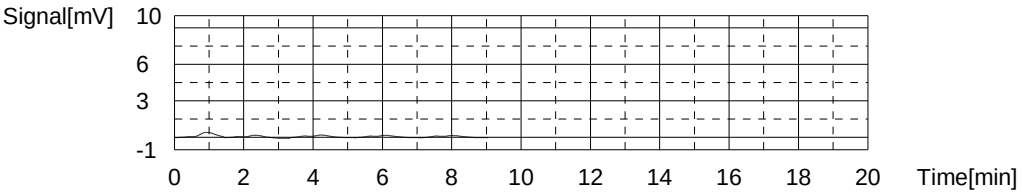
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9149	0.3200ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:47:31 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:49:37 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:51:43 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:53:49 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:55:55 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30538-j-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

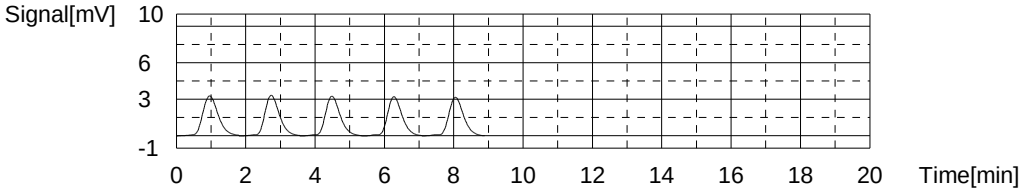
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.089ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.601	2.207ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:06:13 AM
2	9.218	2.123ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:08:10 AM
3	9.158	2.110ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:10:09 AM
4	8.949	2.065ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:12:06 AM
5	8.908	2.056ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:14:06 AM

Mean Area 9.058
Mean Conc. 2.089ppm



Sample

Sample Name: 280-30538-j-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

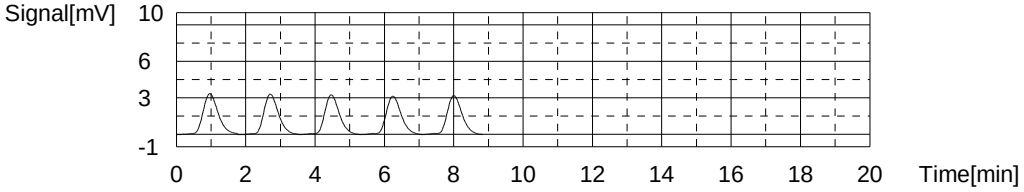
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.109ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.520	2.189ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:24:22 AM
2	9.388	2.160ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:26:19 AM
3	9.115	2.101ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:28:17 AM
4	8.990	2.074ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:30:15 AM
5	9.108	2.099ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:32:14 AM

Mean Area 9.150
Mean Conc. 2.109ppm



Sample

Sample Name: 280-30543-d-9
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

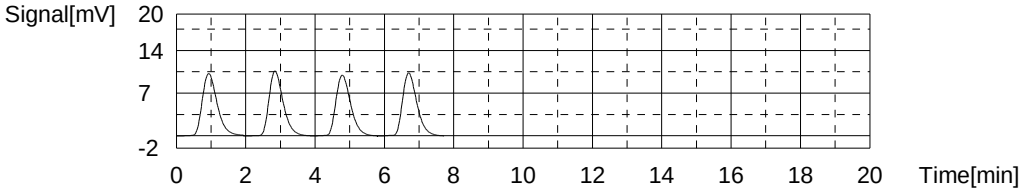
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.595ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	30.03	6.644ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:42:40 AM
2	30.16	6.672ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:44:47 AM
3	29.42	6.511ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:46:55 AM
4	29.61	6.552ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:49:03 AM

Mean Area 29.81
Mean Conc. 6.595ppm



Sample

Sample Name: 280-30787-a-9
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

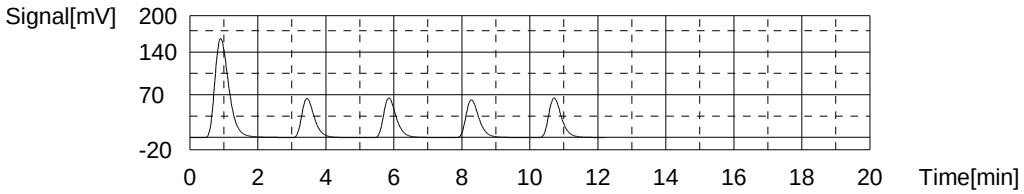
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:97.19ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	467.1	101.6ppm	50uL	1	R	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:00:09 AM
2	168.4	96.37ppm	19uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:02:45 AM
3	171.4	98.09ppm	19uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:05:26 AM
4	167.1	95.63ppm	19uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:08:04 AM
5	172.4	98.66ppm	19uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:10:38 AM

Mean Area 169.8
Mean Conc. 97.19ppm



Sample

Sample Name: 280-30787-a-10
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

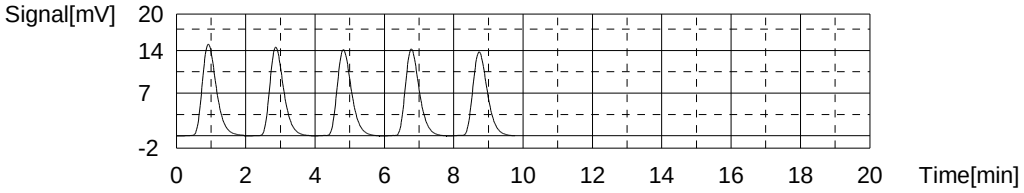
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.906ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.46	9.343ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:21:05 AM
2	40.86	8.996ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:23:13 AM
3	40.66	8.952ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:25:23 AM
4	40.07	8.824ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:27:31 AM
5	40.19	8.850ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:29:42 AM

Mean Area 40.45
Mean Conc. 8.906ppm



Sample

Sample Name: 280-30787-a-11
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

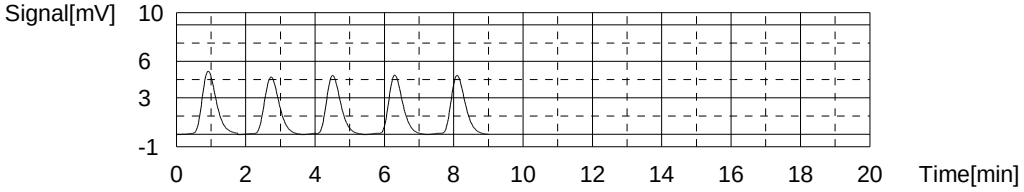
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.063ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.24	3.214ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:39:58 AM
2	13.73	3.103ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:41:59 AM
3	13.55	3.064ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:43:59 AM
4	13.38	3.027ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:45:59 AM
5	13.52	3.058ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:48:00 AM

Mean Area 13.55
Mean Conc. 3.063ppm



Sample

Sample Name: LCS
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

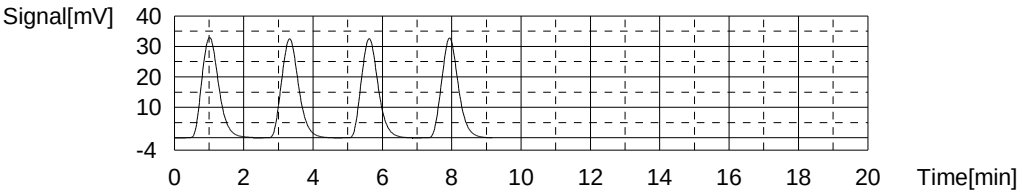
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.27ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.5	24.34ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 06:58:46 AM
2	112.1	24.47ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:01:17 AM
3	110.5	24.12ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:03:46 AM
4	110.7	24.16ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:06:16 AM

Mean Area 111.2
Mean Conc. 24.27ppm



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

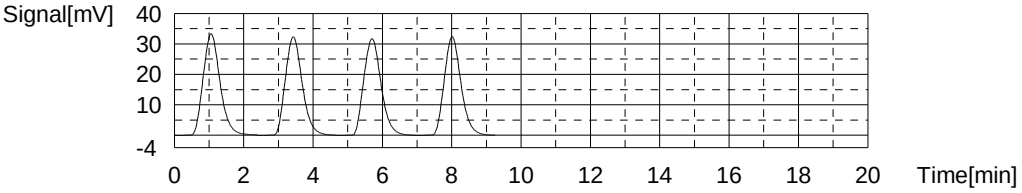
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.25ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.4	24.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:17:10 AM
2	110.1	24.03ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:19:38 AM
3	111.2	24.27ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:22:08 AM
4	109.7	23.95ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:24:38 AM

Mean Area 111.1
Mean Conc. 24.25ppm



Sample

Sample Name: MB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

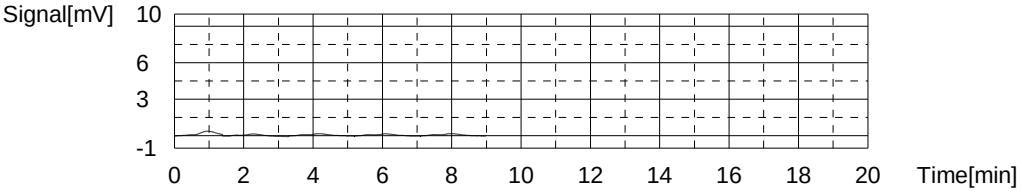
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6092	0.2536ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:34:32 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:36:38 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:38:44 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:40:50 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:42:56 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30456-c-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

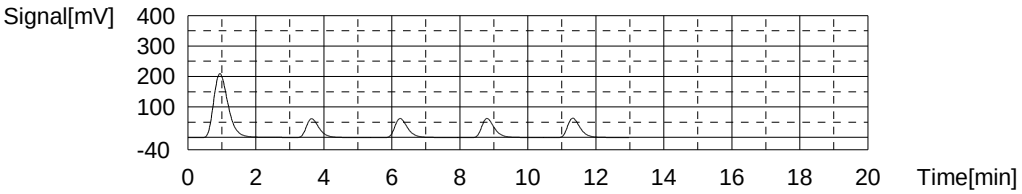
Type	Anal.	Dil.	Result
Unknown	NPOC	10.00	NPOC:1285ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	625.4	1360ppm	50uL	1	R	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:54:12 AM
2	164.1	1274ppm	14uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:57:00 AM
3	166.1	1290ppm	14uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 07:59:46 AM
4	164.7	1279ppm	14uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:02:29 AM
5	167.2	1298ppm	14uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:05:12 AM

Mean Area 165.5
Mean Conc. 1285ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

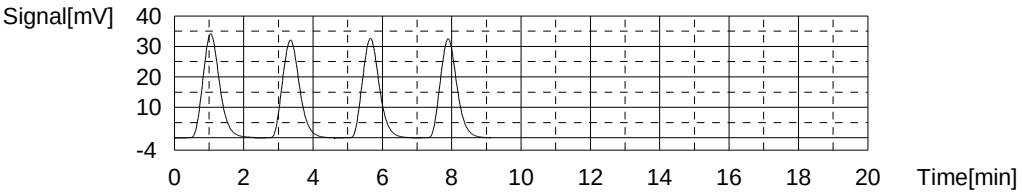
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.33ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	114.2	24.92ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:16:00 AM
2	110.7	24.16ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:18:30 AM
3	111.2	24.27ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:20:57 AM
4	109.7	23.95ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:23:25 AM

Mean Area 111.5
Mean Conc. 24.33ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

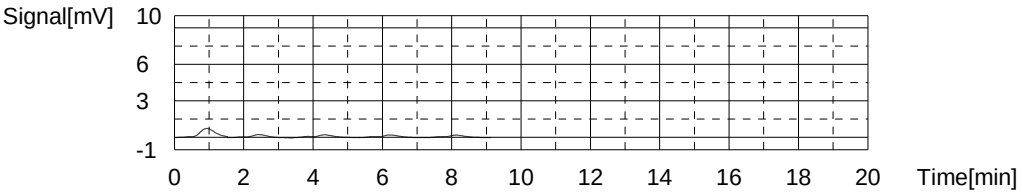
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.784	0.5088ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:33:28 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:35:34 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:37:40 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:39:46 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:41:52 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30456-c-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

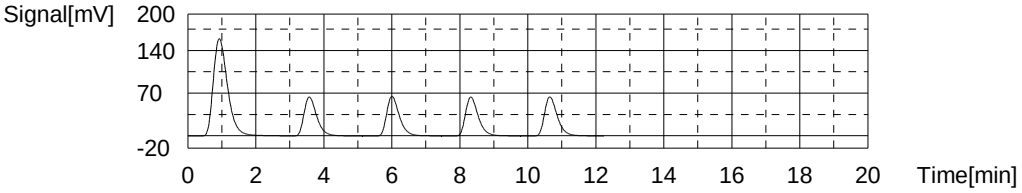
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:1938ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	467.4	2033ppm	50uL	1	R	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:53:04 AM
2	168.8	1932ppm	19uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:55:42 AM
3	170.0	1946ppm	19uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 08:58:13 AM
4	168.5	1929ppm	19uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:00:44 AM
5	170.1	1947ppm	19uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:03:24 AM

Mean Area 169.3
Mean Conc. 1938ppm



Sample

Sample Name: 280-30456-c-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

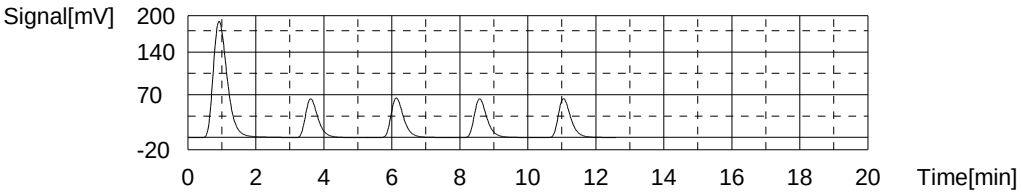
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:2261ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	549.1	2388ppm	50uL	1	R	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:14:39 AM
2	164.3	2233ppm	16uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:17:22 AM
3	169.2	2299ppm	16uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:20:00 AM
4	166.5	2263ppm	16uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:22:41 AM
5	165.5	2249ppm	16uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:25:17 AM

Mean Area 166.4
Mean Conc. 2261ppm



Sample

Sample Name: 280-30456-c-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

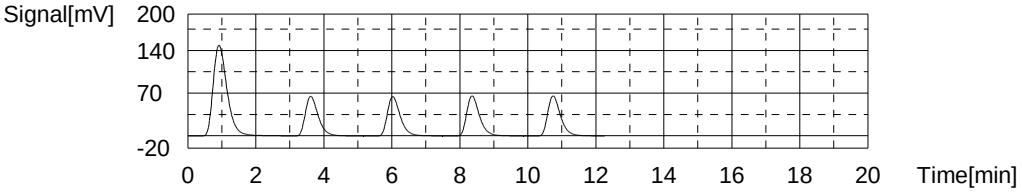
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:1792ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	424.3	1846ppm	50uL	1	R	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:36:32 AM
2	173.1	1793ppm	21uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:39:09 AM
3	171.7	1778ppm	21uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:41:41 AM
4	173.4	1796ppm	21uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:44:16 AM
5	173.8	1800ppm	21uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:46:51 AM

Mean Area 173.0
Mean Conc. 1792ppm



Sample

Sample Name: 280-30456-c-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

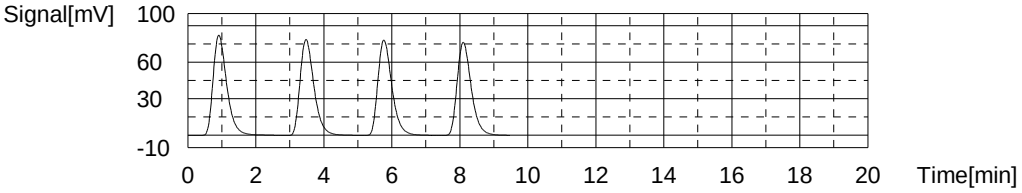
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:987.6ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	230.7	1005ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 09:57:54 AM
2	226.5	986.3ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:00:24 AM
3	226.8	987.6ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:02:55 AM
4	223.2	972.0ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:05:26 AM

Mean Area 226.8
Mean Conc. 987.6ppm



Sample

Sample Name: 280-30456-c-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

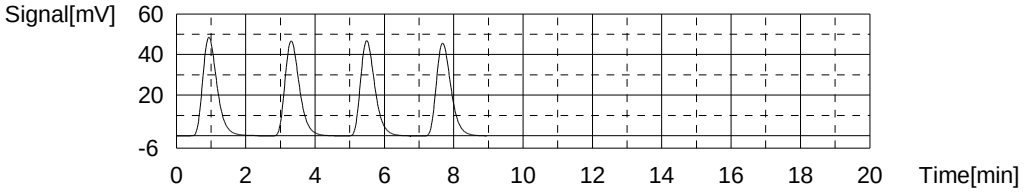
Type	Anal.	Dil.	Result
Unknown	NPOC	20.00	NPOC:599.2ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	140.4	612.3ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:16:20 AM
2	137.2	598.4ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:18:43 AM
3	136.4	594.9ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:21:06 AM
4	135.5	591.0ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:23:31 AM

Mean Area 137.4
Mean Conc. 599.2ppm



Sample

Sample Name: 280-30457-c-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

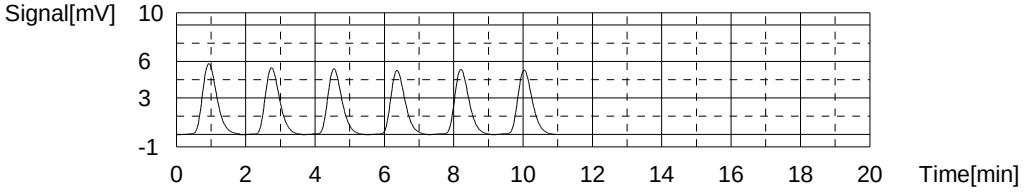
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.401ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.50	3.705ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:33:52 AM
2	15.66	3.523ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:35:52 AM
3	15.23	3.429ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:37:53 AM
4	14.95	3.368ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:39:55 AM
5	15.09	3.399ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:41:56 AM
6	15.13	3.407ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:43:58 AM

Mean Area 15.10
Mean Conc. 3.401ppm



Sample

Sample Name: MS 280-30457-c-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

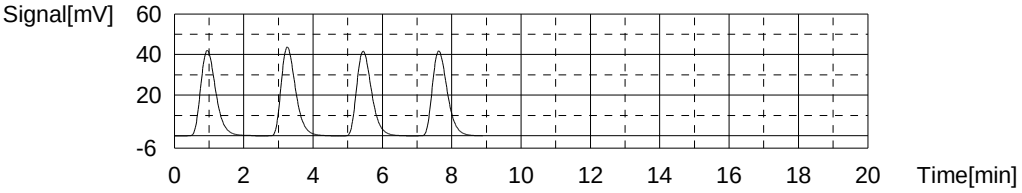
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:27.74ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	127.9	27.90ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:54:44 AM
2	127.9	27.90ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:57:06 AM
3	126.2	27.53ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 10:59:29 AM
4	126.6	27.62ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:01:53 AM

Mean Area 127.2
Mean Conc. 27.74ppm



Sample

Sample Name: MSD 280-30457-c-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

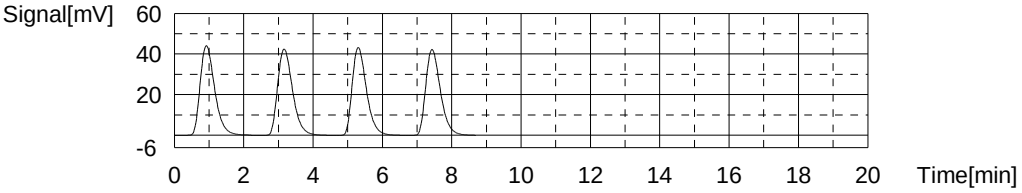
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:27.78ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	129.5	28.25ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:12:38 AM
2	128.5	28.03ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:15:00 AM
3	125.2	27.31ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:17:19 AM
4	126.2	27.53ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:19:42 AM

Mean Area 127.3
Mean Conc. 27.78ppm



Sample

Sample Name: 280-30457-c-9
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

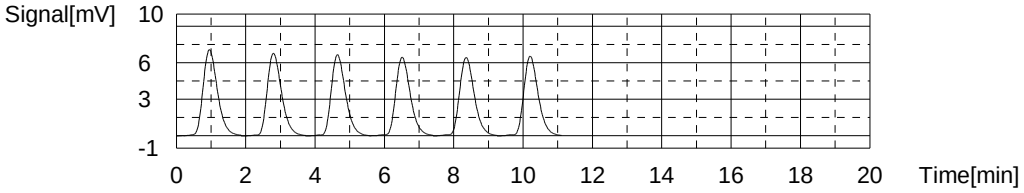
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.151ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.98	4.461ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:30:06 AM
2	19.28	4.309ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:32:09 AM
3	18.78	4.200ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:34:12 AM
4	18.38	4.113ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:36:14 AM
5	18.56	4.152ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:38:17 AM
6	18.50	4.139ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:40:20 AM

Mean Area 18.56
Mean Conc. 4.151ppm



Sample

Sample Name: 280-30457-c-10
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

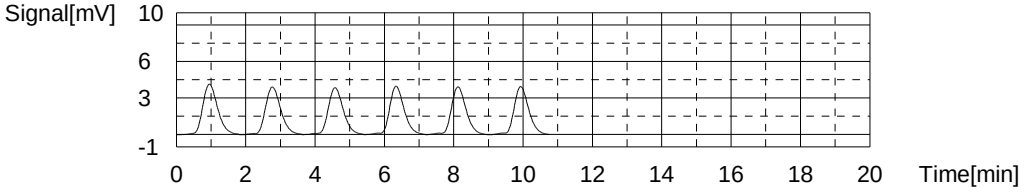
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.519ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.84	2.693ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:50:34 AM
2	11.53	2.626ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:52:35 AM
3	11.11	2.534ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:54:34 AM
4	10.98	2.506ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:56:32 AM
5	11.07	2.526ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 11:58:33 AM
6	11.00	2.510ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:00:31 PM

Mean Area 11.04
Mean Conc. 2.519ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

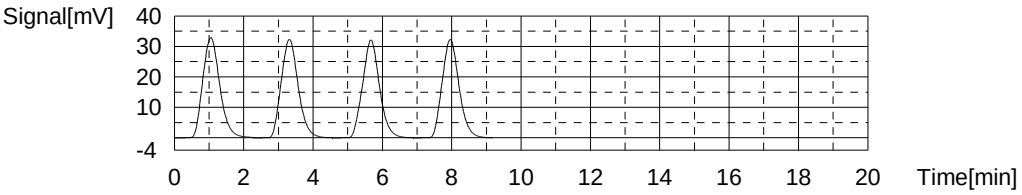
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.26ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.5	24.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:11:12 PM
2	111.1	24.25ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:13:42 PM
3	110.5	24.12ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:16:14 PM
4	110.4	24.10ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:18:43 PM

Mean Area 111.1
Mean Conc. 24.26ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

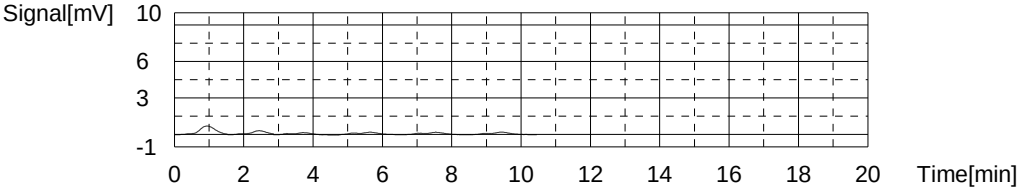
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.771	0.5059ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:28:47 PM
2	0.4671	0.2227ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:30:18 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:32:24 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:34:30 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:36:36 PM
6	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:38:42 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30457-c-11
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

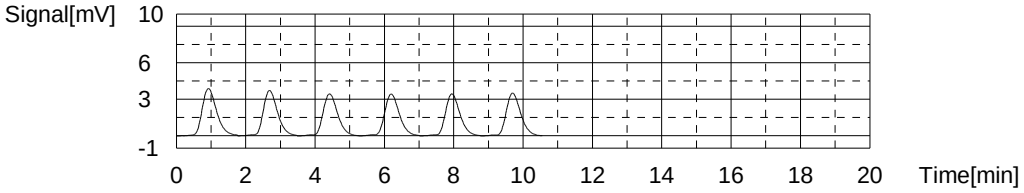
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.226ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.80	2.467ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:48:54 PM
2	10.22	2.341ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:50:49 PM
3	9.670	2.222ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:52:47 PM
4	9.680	2.224ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:54:45 PM
5	9.546	2.195ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:56:42 PM
6	9.875	2.266ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 12:58:41 PM

Mean Area 9.693
Mean Conc. 2.226ppm



Sample

Sample Name: 280-30457-c-12
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

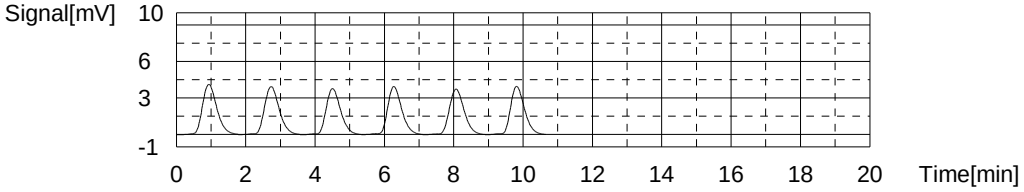
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.469ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.63	2.647ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:08:54 PM
2	11.33	2.582ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:10:53 PM
3	10.75	2.456ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:12:52 PM
4	10.81	2.469ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:14:49 PM
5	10.86	2.480ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:16:49 PM
6	10.82	2.471ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:18:46 PM

Mean Area 10.81
Mean Conc. 2.469ppm



Sample

Sample Name: 280-30457-c-13
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

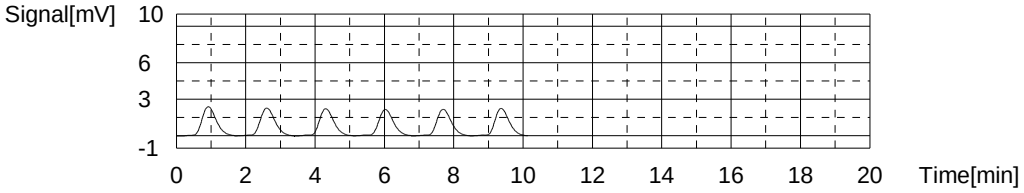
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.436ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.580	1.550ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:28:52 PM
2	6.443	1.521ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:30:47 PM
3	6.113	1.449ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:32:41 PM
4	5.983	1.421ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:34:34 PM
5	6.028	1.431ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:36:27 PM
6	6.087	1.443ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:38:20 PM

Mean Area 6.053
Mean Conc. 1.436ppm



Sample

Sample Name: 280-30497-b-13
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

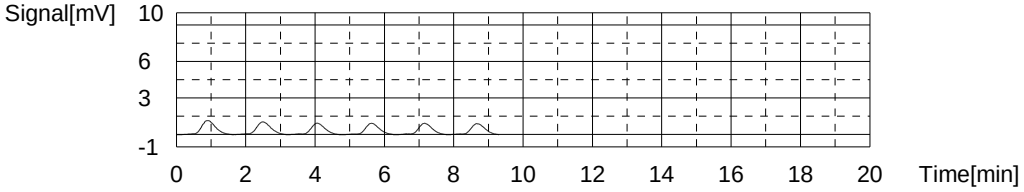
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6255ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.944	0.7607ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:48:21 PM
2	2.692	0.7060ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:50:07 PM
3	2.388	0.6400ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:51:53 PM
4	2.334	0.6282ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:53:37 PM
5	2.268	0.6139ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:55:20 PM
6	2.296	0.6200ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 01:57:04 PM

Mean Area 2.322
Mean Conc. 0.6255ppm



Sample

Sample Name: MS 280-30497-b-13
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

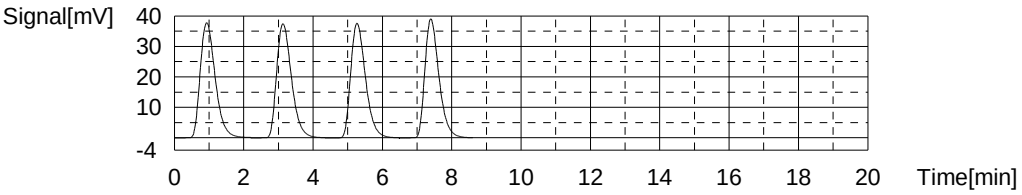
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.64ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	114.4	24.97ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:07:42 PM
2	112.7	24.60ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:10:02 PM
3	112.7	24.60ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:12:23 PM
4	111.7	24.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:14:42 PM

Mean Area 112.9
Mean Conc. 24.64ppm



Sample

Sample Name: MSD 280-30497-b-13
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

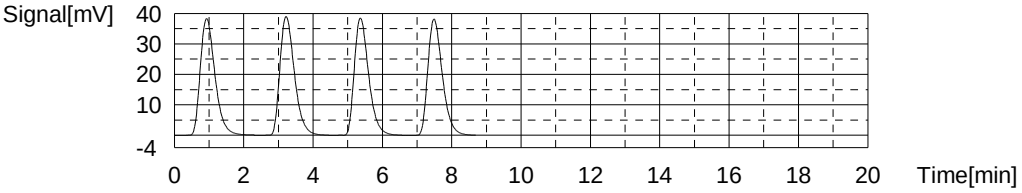
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.69ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.6	24.79ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:25:32 PM
2	114.9	25.08ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:27:53 PM
3	111.6	24.36ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:30:15 PM
4	112.4	24.53ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:32:34 PM

Mean Area 113.1
Mean Conc. 24.69ppm



Sample

Sample Name: 280-30497-b-14
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

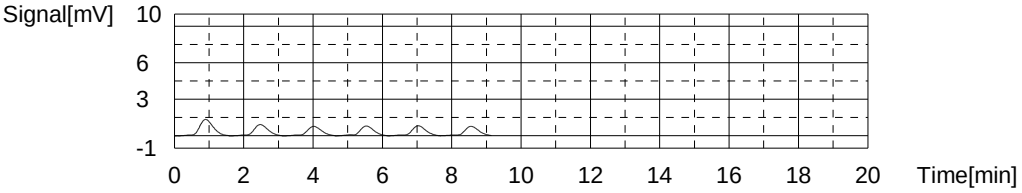
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5343ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.306	0.8393ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:42:40 PM
2	2.240	0.6078ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:44:24 PM
3	1.895	0.5329ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:46:08 PM
4	1.882	0.5301ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:47:50 PM
5	1.978	0.5509ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:49:33 PM
6	1.851	0.5233ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 02:51:17 PM

Mean Area 1.902
Mean Conc. 0.5343ppm



Sample

Sample Name: 280-30497-b-15
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

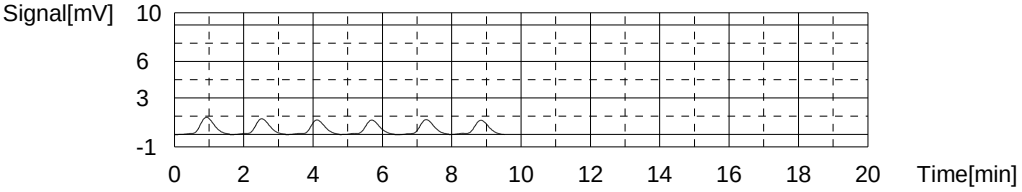
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7778ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.590	0.9010ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:01:20 PM
2	3.263	0.8300ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:03:08 PM
3	3.033	0.7800ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:04:54 PM
4	3.011	0.7753ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:06:41 PM
5	3.054	0.7846ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:08:27 PM
6	2.992	0.7711ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:10:15 PM

Mean Area 3.023
Mean Conc. 0.7778ppm



Sample

Sample Name: 280-30497-b-16
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

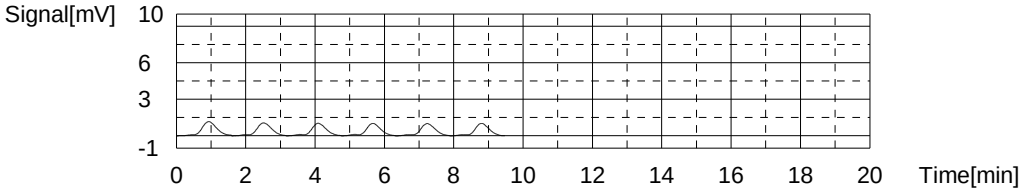
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6606ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.920	0.7555ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:20:17 PM
2	2.740	0.7164ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:22:04 PM
3	2.525	0.6697ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:23:51 PM
4	2.456	0.6547ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:25:37 PM
5	2.481	0.6602ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:27:23 PM
6	2.471	0.6580ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:29:11 PM

Mean Area 2.483
Mean Conc. 0.6606ppm



Sample

Sample Name: 280-30497-b-17
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

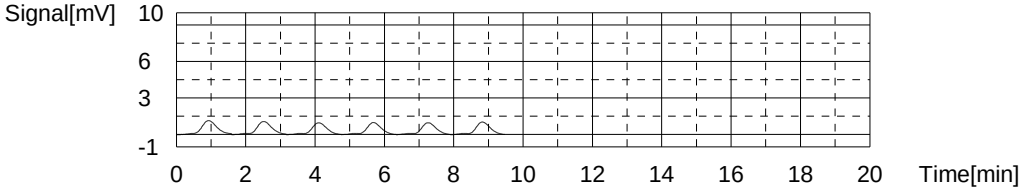
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6571ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.834	0.7368ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:39:13 PM
2	2.689	0.7053ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:41:00 PM
3	2.443	0.6519ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:42:47 PM
4	2.421	0.6471ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:44:34 PM
5	2.441	0.6515ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:46:20 PM
6	2.562	0.6777ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:48:07 PM

Mean Area 2.467
Mean Conc. 0.6571ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

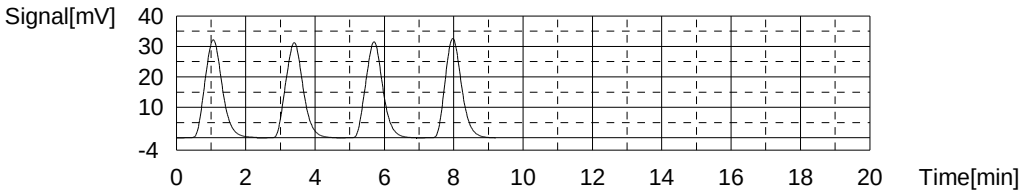
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.97ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.7	24.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 03:58:53 PM
2	110.0	24.01ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:01:23 PM
3	109.1	23.82ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:03:54 PM
4	108.5	23.69ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:06:22 PM

Mean Area 109.8
Mean Conc. 23.97ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

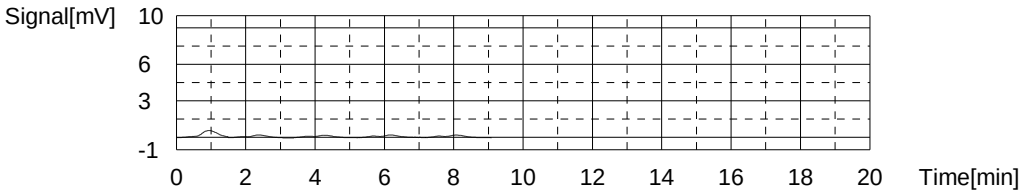
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.309	0.4056ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:16:24 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:18:30 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:20:36 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:22:42 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:24:48 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30497-b-18
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

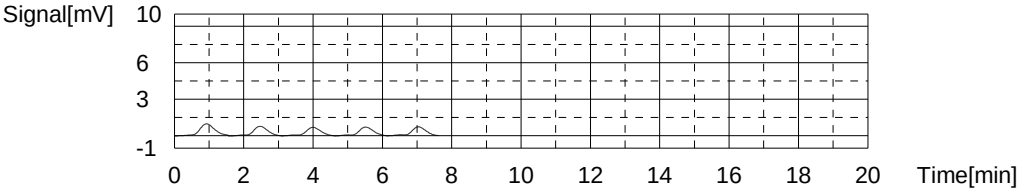
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5112ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.474	0.6586ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:34:52 PM
2	1.930	0.5405ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:36:35 PM
3	1.748	0.5009ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:38:19 PM
4	1.759	0.5033ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:40:02 PM
5	1.743	0.4999ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:41:44 PM

Mean Area 1.795
Mean Conc. 0.5112ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

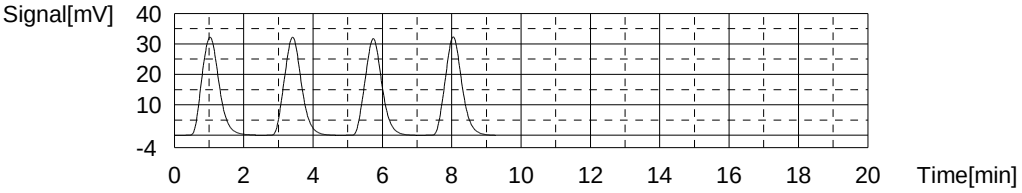
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.11ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.6	24.36ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:52:35 PM
2	111.7	24.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:55:06 PM
3	109.0	23.80ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 04:57:37 PM
4	109.5	23.90ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:00:07 PM

Mean Area 110.5
Mean Conc. 24.11ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

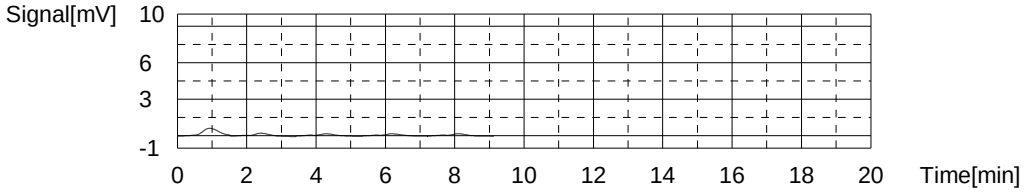
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.522	0.4519ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:10:11 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:12:17 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:14:23 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:16:29 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/14/2012 05:18:35 PM

Mean Area	0.000
Mean Conc.	0.1213ppm



TOC-V Cal Curve Information
1-50 PPM TOC.2012_07_12_09_13_34.cal

Date of Creation	11:15:53 AM 10/28/2005
User	DEANN
System	TOC-VCSH

Cal. Curve

Sample Name:	cal
Sample ID:	CAL
Cal. Curve:	1-50 PPM TOC.2012_07_12_09_13_34.cal
Status	Completed
Comment:	

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.000	50uL	1	*******		07/12/2012 09:21:59 A
2	0.000	50uL	1	*******		07/12/2012 09:24:05 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	0.000
SD Area	0.000
CV Area	0.00%
Vial	88

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.830	50uL	1	*******		07/12/2012 09:34:28 A
2	4.828	50uL	1	*******		07/12/2012 09:36:29 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	4.829
SD Area	0.00141
CV Area	0.03%
Vial	89

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	22.31	50uL	1	*******		07/12/2012 09:47:06 A
2	22.13	50uL	1	*******		07/12/2012 09:49:19 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	22.22
SD Area	0.1273
CV Area	0.57%
Vial	90

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	44.87	50uL	1	*******		07/12/2012 10:00:03 A
2	44.70	50uL	1	*******		07/12/2012 10:02:24 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	44.79
SD Area	0.1202
CV Area	0.27%
Vial	91

Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	113.2	50uL	1	*******		07/12/2012 10:13:22 A
2	113.7	50uL	1	*******		07/12/2012 10:15:53 A

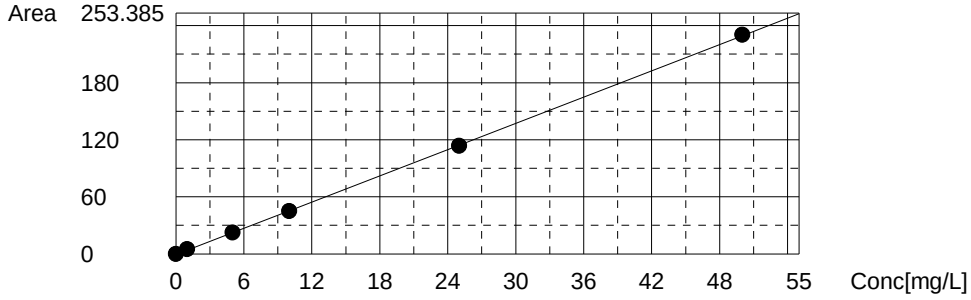
Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	113.5
SD Area	0.3536
CV Area	0.31%
Vial	92

Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	230.7	50uL	1	*******		07/12/2012 10:27:09 A
2	230.0	50uL	1	*******		07/12/2012 10:29:49 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	230.4
SD Area	0.4950
CV Area	0.21%
Vial	93

Slope:	4.604
Intercept	-0.5585
r^2	0.9999
r	1.0000
Zero Shift	No



Wet Chemistry Data Review Checklist
Direct Measurement Methods (pH, Conductance, etc.)

Test Name/Method #: Alkalinity **Analysis Date** 6/26/12

SOP #: NRC-0023 **Analyst:** B. Gilbert **Instrument:** AT3

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30282, 30290, 30326, 30335, 30338, 30361, 30376, 30378, 30379, 30380, 30385,	WQ	NA	125734	23203	

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the instrument properly standardized?	✓			✓
2. Second-source ICV analyzed immediately after instrument standardization & recovery ± 10% of true value?	✓			✓
3. ICB analyzed immediately after ICV & results < the RL?	✓			✓
4. CCV analyzed after every ten samples & recovery ± 10% of true value?	✓			✓
5. CCB analyzed after every CCV & all results < the RL?	✓			✓
B. Sample Results				
1. pH sample and duplicate within ± 0.1 units?	✓			✓
1. Are all sample dilutions appropriate and do associated RLs reflect required dilutions or limited sample volumes?	✓			✓
2. All reported results bracketed by in control CCV results?	✓			✓
3. Sample analyses done within holding time?	✓			✓
4. Preparation benchsheet completed and included in package (if applicable)?	✓			✓
5. Special client requirements reviewed and met?	✓			✓
6. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓			✓
7. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
8. STD/True Value information is updated and included?	✓			✓
9. Raw data copies prepared, scanned, and uploaded?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. Sample DUP run at required frequency and RPD within established limits?	✓			✓

Analyst: [signature] **Date:** 6/27/12

2nd Level Reviewer : [signature] **Date:** 6/28/12

TestAmerica Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Data Review Checklist For Gravimetric Methods TM 7/2/12

Test Name/Method #: TDS **Analysis Date:** ~~7/2/12~~ 6/27/12

SOP #: DV-WL-0064 **Analyst:** Brandon **Instrument:** BAL

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30282, 30297, 30301, 30307	Water	—	125747	—	—

TM 7/2/12

A. Balance, Oven, and DI Water QC Checks	Yes	No	N/A	2nd Level
1. Was the balance calibration verified before and after processing samples and noted in the "Balance Calibration Log" for the date(s) the samples were processed?	✓			—
2. Was the oven temperature within method requirements and recorded in the "Oven Temperature" logbook for the date(s) the samples were processed?	✓			—
3. Was the daily conductivity check of the deionized water recorded in the "Conductivity Logbook"?		✓		—
B. Method Requirements				
1. If sample is visibly oily, was this noted on the benchsheet?		✓		—
2. Was final residue weight within minimum/maximum requirements?	✓			—
3. Were the initial and final drying dates and times recorded on the benchsheet and were all samples dried for at least one hour?	✓			—
C. Sample Results				
1. TDS/Conductivity ratio or historical data checked?	✓	~~TM~~ TM 7/2/12		—
2. For % Moisture, was the Final Dried Weight < the Initial Pan Weight or is the result greater than 100%?			✓	—
3. Were sample analyses done within holding time?	✓			—
4. Were special client requirements met?	✓			—
5. Were data that were manually transcribed from instrument printouts into TALS verified 100% including significant figures and units?	✓			—
6. Do the prep and analysis dates in TALS reflect the actual dates? Lots/Dates report checked?	✓			—
7. STD/True Value information is updated and included?	✓			—
8. Are raw data copies prepared, scanned, and uploaded?	✓			—
D. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10 X RL?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. DUP run for batch and RPD < 20% for samples >5 X RL?	✓			—

Analyst: TM **Date:** 7/2/12

Comments:

2nd Level Reviewer : BS **Date:** 7/3/12

Comments:

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 126731 Batch Start Date: 07/05/12 09:56 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00155	NXN ICV INT 00148	AnalysisComment
ICVL 280-126731/15		350.1		100 mL	100 mL	OK		2 mL	
ICV 280-126731/16		350.1		100 mL	100 mL	OK		5 mL	
ICB 280-126731/17		350.1				OK			
MRL 280-126731/18		350.1				OK			
MB 280-126731/20		350.1				OK			ph<2
LCS 280-126731/21		350.1		100 mL	100 mL	OK	5 mL		ph<2
LCSD 280-126731/22		350.1		100 mL	100 mL	OK	5 mL		ph<2
CCV 280-126731/32		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126731/33		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126731/34		350.1				OK			
280-30282-D-1	LF6M1246QA	350.1	T			OK			ph<2
280-30282-D-1 MS	LF6M1246QA	350.1	T	5 mL	5 mL	OK	0.2 mL		ph<2
280-30282-D-1 MSD	LF6M1246QA	350.1	T	5 mL	5 mL	OK	0.2 mL		ph<2
280-30282-D-2	LF6VM17D48QA	350.1	T			OK			ph<2
280-30282-D-3	LF6VM17S15QA	350.1	T			OK			ph<2
280-30282-D-4	LF6VM2348QA	350.1	T			OK			ph<2
280-30282-D-5	LF6VM2650QA	350.1	T			OK			ph<2
280-30282-D-6	LF6VM2650QC	350.1	T			OK			ph<2
CCV 280-126731/48		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126731/49		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126731/50		350.1				OK			
280-30282-D-7	TMCUM0227QA	350.1	T			OK			ph<2
280-30282-D-7 MS	TMCUM0227QA	350.1	T	5 mL	5 mL	OK	0.2 mL		ph<2
280-30282-D-7 MSD	TMCUM0227QA	350.1	T	5 mL	5 mL	OK	0.2 mL		ph<2
280-30282-D-8	LF6SW0301QA	350.1	T			OK			ph<2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 126731 Batch Start Date: 07/05/12 09:56 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00155	NXN ICV INT 00148	AnalysisComment
280-30282-D-9	062012QE	350.1	T			OK			ph<2
CCV 280-126731/64		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126731/65		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126731/66		350.1				OK			

Batch Notes	
Buffer Reagent ID Number	NH3 Buffer_00013
Hypochlorite Reagent ID Number	Hypochlorite_00193
Sodium Nitroprusside Reagent ID	Nitroprusside_00023
Pipette ID	5000m, 1000h, 100i
Perform Calculation (0=No, 1=Yes)	1
Sodium Phenolate Reagent ID Number	Phenolate NH3_00040

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 127379 Batch Start Date: 07/11/12 20:00 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	TKN 25ppm 00097		
LCS 280-127379/1		351.2, 351.2			25 mL	25 mL	6 mL		
LCSD 280-127379/2		351.2, 351.2			25 mL	25 mL	6 mL		
MB 280-127379/3		351.2, 351.2			25 mL	25 mL			
280-30282-C-1	LF6M1246QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30282-C-1 MS	LF6M1246QA	351.2, 351.2	T	< 2	25 mL	25 mL	3 mL		
280-30282-C-1 MSD	LF6M1246QA	351.2, 351.2	T	< 2	25 mL	25 mL	3 mL		
280-30282-C-2	LF6VM17D48QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30282-C-3	LF6VM17S15QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30282-C-4	LF6VM2348QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30282-C-5	LF6VM2650QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30282-C-6	LF6VM2650QC	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30282-C-7	TMCUM0227QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30282-C-8	LF6SW0301QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30282-C-9	062012QE	351.2, 351.2	T	< 2	25 mL	25 mL			

Batch Notes	
Batch Comment	5000X
Block Digestion End time	2345
Block Digestion Start time	2000
Block Digestor Name	TKN A
Digestion Solution Used	TKN Digestion_00009
Oven, Bath or Block Temperature 1	140 Degrees C
Oven, Bath or Block Temperature 2	380 Degrees C

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 127784 Batch Start Date: 07/13/12 20:21 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TKN 25ppm 00097	TKN ICV 00003			
ICV 280-127784/13		351.2		4 mL		2 mL			
ICB 280-127784/14		351.2		4 mL					
CCV 280-127784/33		351.2		25 mL	5 mL				
CCB 280-127784/34		351.2		4 mL					
LCS 280-127379/1-A		351.2		4 mL					
LCSD 280-127379/2-A		351.2		4 mL					
MB 280-127379/3-A		351.2		4 mL					
280-30282-C-1-A	LF6M1246QA	351.2	T	4 mL					
280-30282-C-1-B MS	LF6M1246QA	351.2	T	4 mL					
280-30282-C-1-C MSD	LF6M1246QA	351.2	T	4 mL					
280-30282-C-2-A	LF6VM17D48QA	351.2	T	4 mL					
280-30282-C-3-A	LF6VM17S15QA	351.2	T	4 mL					
280-30282-C-4-A	LF6VM2348QA	351.2	T	4 mL					
CCV 280-127784/45		351.2		25 mL	5 mL				
CCB 280-127784/46		351.2		4 mL					
280-30282-C-5-A	LF6VM2650QA	351.2	T	4 mL					
280-30282-C-6-A	LF6VM2650QC	351.2	T	4 mL					
280-30282-C-7-A	TMCUM0227QA	351.2	T	4 mL					
280-30282-C-8-A	LF6SW0301QA	351.2	T	4 mL					
280-30282-C-9-A	062012QE	351.2	T	4 mL					
CCV 280-127784/57		351.2		25 mL	5 mL				
CCB 280-127784/58		351.2		4 mL					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 127784 Batch Start Date: 07/13/12 20:21 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date:

Batch Notes	
Batch Comment	5000X/1000M
Buffer Reagent ID Number	TKN Buffer_00010
Hypochlorite Solution Lot Number	TKN Hypochl_00095
Salicylate Nitroprusside Reagent ID	Sodium Nitro_000007
First Ending Temperature	57.0 Celsius
First Starting Temperature	57.0 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 124298 Batch Start Date: 06/16/12 10:55 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	COD cal std 00014			
IC 280-124298/1		410.4		50 mL	50 mL	0.5 mL			
IC 280-124298/2		410.4		50 mL	50 mL	1 mL			
IC 280-124298/3		410.4		50 mL	50 mL	2.5 mL			
IC 280-124298/4		410.4		50 mL	50 mL	5 mL			
IC 280-124298/5		410.4		50 mL	50 mL	7.5 mL			
IC 280-124298/6		410.4		50 mL	50 mL	10 mL			

Batch Notes	
Batch Comment	420nm, WC-5000-N, WC-1000-H
Block Digestion End time	AA: 13:30 BB: 13:55 AA: 15:45
Block Digestion Start time	AA: 11:30 BB:11:55 AA: 13:45
Block Digestor Name	HACH DRB 200
Oven, Bath or Block Temperature 1	AA: 150 BB:150 AA: 150
Oven, Bath or Block Temperature 2	AA: 150 BB: 150
Sufficient volume for MS/MSD?	yes
Vial Lot Number	A2130 05/31/17

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125568 Batch Start Date: 06/26/12 08:06 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	COD cal std 00014	COD icv std 00009
ICV 280-125568/1		410.4		50 mL	50 mL				5 mL
ICB 280-125568/2		410.4		2 mL	2 mL				
LCS 280-125568/3		410.4		100 mL	100 mL			10 mL	
LCSD 280-125568/4		410.4		100 mL	100 mL			10 mL	
MB 280-125568/5		410.4		2 mL	2 mL				
CCV 280-125568/16		410.4		100 mL	100 mL			10 mL	
CCB 280-125568/17		410.4		2 mL	2 mL				
280-30282-C-1	LF6M1246QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30282-C-1 MS	LF6M1246QA	410.4	T	100 mL	100 mL	<2 SU	<2 SU		
280-30282-C-1 MSD	LF6M1246QA	410.4	T	100 mL	100 mL	<2 SU	<2 SU		
280-30282-C-2	LF6VM17D48QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30282-C-3	LF6VM17S15QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30282-C-4	LF6VM2348QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
CCV 280-125568/28		410.4		100 mL	100 mL			10 mL	
CCB 280-125568/29		410.4		2 mL	2 mL				
280-30282-C-5	LF6VM2650QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30282-C-6	LF6VM2650QC	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30282-C-7	TMCUM0227QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30282-C-8	LF6SW0301QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
CCV 280-125568/36		410.4		100 mL	100 mL			10 mL	
CCB 280-125568/37		410.4		2 mL	2 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	cod ms/msd 00006	AnalysisComment				
ICV 280-125568/1		410.4							
ICB 280-125568/2		410.4							

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125568 Batch Start Date: 06/26/12 08:06 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	cod ms/msd 00006	AnalysisComment				
LCS 280-125568/3		410.4							
LCSD 280-125568/4		410.4							
MB 280-125568/5		410.4							
CCV 280-125568/16		410.4							
CCB 280-125568/17		410.4							
280-30282-C-1	LF6M1246QA	410.4	T		CL <2000				
280-30282-C-1 MS	LF6M1246QA	410.4	T	0.5 mL	CL <2000				
280-30282-C-1 MSD	LF6M1246QA	410.4	T	0.5 mL	CL <2000				
280-30282-C-2	LF6VM17D48QA	410.4	T		CL <2000				
280-30282-C-3	LF6VM17S15QA	410.4	T		CL <2000				
280-30282-C-4	LF6VM2348QA	410.4	T		CL <2000				
CCV 280-125568/28		410.4							
CCB 280-125568/29		410.4							
280-30282-C-5	LF6VM2650QA	410.4	T		CL <2000				
280-30282-C-6	LF6VM2650QC	410.4	T		CL <2000				
280-30282-C-7	TMCUM0227QA	410.4	T		CL <2000				
280-30282-C-8	LF6SW0301QA	410.4	T		CL <2000				
CCV 280-125568/36		410.4							
CCB 280-125568/37		410.4							

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125568 Batch Start Date: 06/26/12 08:06 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Batch Notes	
Acid used for pH adjustment	H2SO4
Acid used for pH adjust Lot #	H2SO4_00015
Batch Comment	420nm, WC-5000-B, WC-1000-H
Block Digestion End time	AA: 13:19 BB: 13:19 BB: 15:47
Block Digestion Start time	AA: 11:19 BB: 11:19 BB: 13:47
Block Digestor Name	HACH DRB 200
Oven, Bath or Block Temperature 1	AA: 150 BB: 150 BB: 150
Oven, Bath or Block Temperature 2	AA: 150 BB: 150 BB: 150
Sufficient volume for MS/MSD?	yes
Vial Lot Number	A2130 exp: 05/31/17

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125624 Batch Start Date: 06/26/12 11:37 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	COD cal std 00014	COD icv std 00009
ICV 280-125624/1		410.4		50 mL	50 mL				5 mL
ICB 280-125624/2		410.4		2 mL	2 mL				
LCS 280-125624/3		410.4		100 mL	100 mL			10 mL	
LCSD 280-125624/4		410.4		100 mL	100 mL			10 mL	
MB 280-125624/5		410.4		2 mL	2 mL				
280-30282-C-9	062012QE	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
CCV 280-125624/16		410.4		100 mL	100 mL			10 mL	
CCB 280-125624/17		410.4		2 mL	2 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
ICV 280-125624/1		410.4							
ICB 280-125624/2		410.4							
LCS 280-125624/3		410.4							
LCSD 280-125624/4		410.4							
MB 280-125624/5		410.4							
280-30282-C-9	062012QE	410.4	T	CL <2000					
CCV 280-125624/16		410.4							
CCB 280-125624/17		410.4							

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125624 Batch Start Date: 06/26/12 11:37 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Batch Notes	
Acid used for pH adjustment	H2SO4
Acid used for pH adjust Lot #	H2SO4_00015
Batch Comment	420nm, WC-5000-B, WC-1000-H
Block Digestion End time	AA: 15:49 BB: 15:49
Block Digestion Start time	AA: 13:49 BB: 13:47
Block Digestor Name	HACH 200 DRB
Oven, Bath or Block Temperature 1	AA: 150 BB: 150
Oven, Bath or Block Temperature 2	AA: 150 BB: 150
Sufficient volume for MS/MSD?	yes
Vial Lot Number	A2130 exp:05/31/17

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 126226 Batch Start Date: 06/21/12 13:00 Batch Analyst: Ayala, Delaina

Batch Method: SM 2120B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TurbidityRemoved				
MB 280-126226/1		SM 2120B		50 mL	N				
280-30282-A-1	LF6M1246QA	SM 2120B	T	50 mL	Y				
280-30282-A-1 DU	LF6M1246QA	SM 2120B	T	50 mL	Y				
280-30282-A-2	LF6VM17D48QA	SM 2120B	T	50 mL	Y				
280-30282-A-3	LF6VM17S15QA	SM 2120B	T	50 mL	Y				
280-30282-A-4	LF6VM2348QA	SM 2120B	T	50 mL	N				
280-30282-A-5	LF6VM2650QA	SM 2120B	T	50 mL	N				
280-30282-A-6	LF6VM2650QC	SM 2120B	T	50 mL	N				
280-30282-A-7	TMCUM0227QA	SM 2120B	T	50 mL	N				
280-30282-A-8	LF6SW0301QA	SM 2120B	T	50 mL	N				
280-30282-A-9	062012QE	SM 2120B	T	50 mL	N				

Batch Notes	
Batch Comment	NESSLER TUBES
Color Standards Lot #	1316339

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 128017 Batch Start Date: 07/17/12 09:02 Batch Analyst: Allen, Andrew J

Batch Method: SM 2340C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	BuretStart1	BuretStop1	TitrantVolume1	CalcMsg
MB 280-128017/1		SM 2340C		25 mL	25 mL	0 mL	0.00 mL	0 mL	OK
LCS 280-128017/2		SM 2340C		25 mL	25 mL	0 mL	10.05 mL	10.05 mL	OK
LCSD 280-128017/3		SM 2340C		25 mL	25 mL	0 mL	10.11 mL	10.11 mL	OK
280-30282-E-1	LF6M1246QA	SM 2340C	T	25 mL	25 mL	0 mL	11.68 mL	11.68 mL	OK
280-30282-E-1 MS	LF6M1246QA	SM 2340C	T	25 mL	25 mL	0 mL	21.42 mL	21.42 mL	OK
280-30282-E-1 MSD	LF6M1246QA	SM 2340C	T	25 mL	25 mL	0 mL	21.87 mL	21.87 mL	OK
280-30282-E-2	LF6VM17D48QA	SM 2340C	T	25 mL	25 mL	0 mL	2.34 mL	2.34 mL	OK
280-30282-E-3	LF6VM17S15QA	SM 2340C	T	25 mL	25 mL	0 mL	1.88 mL	1.88 mL	OK
280-30282-E-4	LF6VM2348QA	SM 2340C	T	25 mL	25 mL	0 mL	7.79 mL	7.79 mL	OK
280-30282-E-5	LF6VM2650QA	SM 2340C	T	25 mL	25 mL	0 mL	10.32 mL	10.32 mL	OK
280-30282-E-6	LF6VM2650QC	SM 2340C	T	25 mL	25 mL	0 mL	10.47 mL	10.47 mL	OK
280-30282-E-7	TMCUM0227QA	SM 2340C	T	25 mL	25 mL	0 mL	4.33 mL	4.33 mL	OK
280-30282-E-8	LF6SW0301QA	SM 2340C	T	25 mL	25 mL	0 mL	7.67 mL	7.67 mL	OK
280-30282-E-9	062012QE	SM 2340C	T	25 mL	25 mL	0 mL	0.00 mL	0 mL	OK

Lab Sample ID	Client Sample ID	Method Chain	Basis	Hard lcs std 00022					
MB 280-128017/1		SM 2340C							
LCS 280-128017/2		SM 2340C		10 mL					
LCSD 280-128017/3		SM 2340C		10 mL					
280-30282-E-1	LF6M1246QA	SM 2340C	T						
280-30282-E-1 MS	LF6M1246QA	SM 2340C	T	10 mL					
280-30282-E-1 MSD	LF6M1246QA	SM 2340C	T	10 mL					
280-30282-E-2	LF6VM17D48QA	SM 2340C	T						
280-30282-E-3	LF6VM17S15QA	SM 2340C	T						
280-30282-E-4	LF6VM2348QA	SM 2340C	T						
280-30282-E-5	LF6VM2650QA	SM 2340C	T						
280-30282-E-6	LF6VM2650QC	SM 2340C	T						
280-30282-E-7	TMCUM0227QA	SM 2340C	T						

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 128017 Batch Start Date: 07/17/12 09:02 Batch Analyst: Allen, Andrew J

Batch Method: SM 2340C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Hard lcs std 00022					
280-30282-E-8	LF6SW0301QA	SM 2340C	T						
280-30282-E-9	062012QE	SM 2340C	T						

Batch Notes	
Buffer Lot #	Hardness Buffer 00012
EDTA Lot Number	EDTA Titrant 00010
Indicator Lot	Calmagite 00001
Nominal Amount Used	25 mL
Pipette ID	5000-L
Perform Calculation (0=No, 1=Yes)	1
Normality of first Titrant	0.01980 N
Titrant Standardization Date	071712

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125249 Batch Start Date: 06/21/12 09:29 Batch Analyst: Phan, Thu L

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	IC CAL INT1 00159	IC daily cal 00820	IC ICV daily 00820	ICMS/MSD WEEK 00145
ICV 280-125249/1		9056A			Not Calculated. Perform Calculation left blank			5 mL	
ICB 280-125249/2		9056A			Not Calculated. Perform Calculation left blank				
MRL 280-125249/3		9056A		5 mL	Not Calculated. Perform Calculation left blank	50 uL			
LCS 280-125249/5		9056A			Not Calculated. Perform Calculation left blank		5 mL		
LCSD 280-125249/6		9056A			Not Calculated. Perform Calculation left blank		5 mL		
MB 280-125249/7		9056A			Not Calculated. Perform Calculation left blank				
280-30282-B-1	LF6M1246QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30282-B-2	LF6VM17D48QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30282-B-3	LF6VM17S15QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30282-B-3 DU	LF6VM17S15QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30282-B-3 MS	LF6VM17S15QA	9056A	T	5 mL	Not Calculated. Perform Calculation left blank				50 uL

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125249 Batch Start Date: 06/21/12 09:29 Batch Analyst: Phan, Thu L

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	IC CAL INT1 00159	IC daily cal 00820	IC ICV daily 00820	ICMS/MSD WEEK 00145
280-30282-B-3 MSD	LF6VM17S15QA	9056A	T	5 mL	Not Calculated. Perform Calculation left blank				50 uL
280-30282-B-4	LF6VM2348QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30282-B-5	LF6VM2650QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30282-B-6	LF6VM2650QC	9056A	T		Not Calculated. Perform Calculation left blank				
280-30282-B-7	TMCUM0227QA	9056A	T		Not Calculated. Perform Calculation left blank				
CCV 280-125249/18		9056A			Not Calculated. Perform Calculation left blank		5 mL		
CCB 280-125249/19		9056A			Not Calculated. Perform Calculation left blank				
280-30282-B-8	LF6SW0301QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30282-B-9	062012QE	9056A	T		Not Calculated. Perform Calculation left blank				
280-30282-B-7 DU	TMCUM0227QA	9056A	T		Not Calculated. Perform Calculation left blank				
CCV 280-125249/30		9056A			Not Calculated. Perform Calculation left blank		5 mL		

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125249 Batch Start Date: 06/21/12 09:29 Batch Analyst: Phan, Thu L

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	IC CAL INT1 00159	IC daily cal 00820	IC ICV daily 00820	ICMS/MSD WEEK 00145
CCB 280-125249/31		9056A			Not Calculated. Perform Calculation left blank				

Batch Notes	
Batch Comment	pipets: wc-5000ic, wc-1000u, wc-100
Filter Lot #	koja5815-1339
Regeneration Solution Lot	110820811019

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125250 Batch Start Date: 06/21/12 09:29 Batch Analyst: Phan, Thu L

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	IC CAL INT1 00159	IC daily cal 00820	IC ICV daily 00820	ICMS/MSD WEEK 00145	
ICV 280-125250/1		9056A					5 mL		
MRL 280-125250/4		9056A		5 mL	20 uL				
LCS 280-125250/5		9056A				5 mL			
LCSD 280-125250/6		9056A				5 mL			
280-30282-B-3 MS	LF6VM17S15QA	9056A	T	5 mL				50 uL	
280-30282-B-3 MSD	LF6VM17S15QA	9056A	T	5 mL				50 uL	
CCV 280-125250/18		9056A				5 mL			
CCV 280-125250/30		9056A				5 mL			

Batch Notes	
Filter Lot #	koja5815-1339
Pipette ID	wc-5000ic, wc-1000u, wc-100c
Regeneration Solution Lot	110820811019

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 127875 Batch Start Date: 07/13/12 17:02 Batch Analyst: Bandy, Darlene F

Batch Method: 9060A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TOC ICV Std 00012	TOC LCS Std 00013	AnalysisComment		
ICV 280-127875/1		9060A		50 mL	1 mL				
LCS 280-127875/3		9060A		200 mL		5 mL			
LCSD 280-127875/4		9060A		200 mL		5 mL			
CCV 280-127875/16		9060A		200 mL		5 mL			
280-30282-D-1	LF6M1246QA	9060A	T				pH <2		
280-30282-D-1 MS	LF6M1246QA	9060A	T	50 mL		1.25 mL	pH <2		
280-30282-D-1 MSD	LF6M1246QA	9060A	T	50 mL		1.25 mL	pH <2		
280-30282-D-2	LF6VM17D48QA	9060A	T				pH <2		
280-30282-D-3	LF6VM17S15QA	9060A	T				pH <2		
280-30282-D-4	LF6VM2348QA	9060A	T				pH <2		
280-30282-D-5	LF6VM2650QA	9060A	T				pH <2		
280-30282-D-6	LF6VM2650QC	9060A	T				pH <2		
CCV 280-127875/28		9060A		200 mL		5 mL			
280-30282-D-7	TMCUM0227QA	9060A	T				pH <2		
280-30282-D-8	LF6SW0301QA	9060A	T				pH <2		
280-30282-D-9	062012QE	9060A	T				pH <2		
CCV 280-127875/40		9060A		200 mL		5 mL			

Batch Notes	
Batch Comment	0.2% H2SO4_00044
Pipette ID	WC1000-U, WC5000-IC

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125734 Batch Start Date: 06/26/12 08:25 Batch Analyst: Gilbert, Bryan M

Batch Method: SM 2320B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	Alk daily lcs 00253				
CCV 280-125734/29		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125734/30		SM 2320B		InitialAmount is blank					
LCS 280-125734/31		SM 2320B		InitialAmount is blank	10 mL				
LCSD 280-125734/32		SM 2320B		InitialAmount is blank	10 mL				
MB 280-125734/33		SM 2320B		InitialAmount is blank					
CCV 280-125734/41		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125734/42		SM 2320B		InitialAmount is blank					
280-30282-B-1	LF6M1246QA	SM 2320B	T	InitialAmount is blank					
280-30282-B-2	LF6VM17D48QA	SM 2320B	T	InitialAmount is blank					
280-30282-B-3	LF6VM17S15QA	SM 2320B	T	InitialAmount is blank					
280-30282-B-4	LF6VM2348QA	SM 2320B	T	InitialAmount is blank					
280-30282-B-5	LF6VM2650QA	SM 2320B	T	InitialAmount is blank					
280-30282-B-6	LF6VM2650QC	SM 2320B	T	InitialAmount is blank					
CCV 280-125734/53		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125734/54		SM 2320B		InitialAmount is blank					
280-30282-B-7	TMCUM0227QA	SM 2320B	T	InitialAmount is blank					
280-30282-B-8	LF6SW0301QA	SM 2320B	T	InitialAmount is blank					
280-30282-B-9	062012QE	SM 2320B	T	InitialAmount is blank					
CCV 280-125734/59		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125734/60		SM 2320B		InitialAmount is blank					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125734 Batch Start Date: 06/26/12 08:25 Batch Analyst: Gilbert, Bryan M

Batch Method: SM 2320B Batch End Date:

Batch Notes	
pH Buffer 1 ID	pH 4 bufer_00072
pH Buffer 2 ID	pH 7 buffer_00082
pH Buffer 3 ID	pH 10 buffer_00060
First End time	14:10
Sulfuric Acid Lot Number	.02N h2so4_0075
Sulfuric Acid Vendor	ricca
Nominal Amount Used	10 mL
Pipette ID	5000Q
Probe ID	pH probe 3
First Start time	8:25
Normality of first Titrant	.02 N

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125747 Batch Start Date: 06/27/12 08:08 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	InitialAmount	TareWeight	Weight1	Weight2	Weight3
MB 280-125747/1		SM 2540C		0.42 umhos/cm	100 mL	66.6990 g	66.6977 g	66.6974 g	0 g
LCS 280-125747/2		SM 2540C			100 mL	66.9138 g	66.9616 g	66.9616 g	0 g
LCSD 280-125747/3		SM 2540C			100 mL	67.1266 g	67.1739 g	67.1737 g	0 g
280-30282-B-1	LF6M1246QA	SM 2540C	T	970 umhos/cm	100 mL	66.4892 g	66.5471 g	66.5467 g	0 g
280-30282-B-1 DU	LF6M1246QA	SM 2540C	T	970 umhos/cm	100 mL	66.8354 g	66.8939 g	66.8939 g	0 g
280-30282-B-2	LF6VM17D48QA	SM 2540C	T	192 umhos/cm	100 mL	66.0067 g	66.0165 g	66.0165 g	0 g
280-30282-B-3	LF6VM17S15QA	SM 2540C	T	68 umhos/cm	100 mL	66.5398 g	66.5435 g	66.5432 g	0 g
280-30282-B-4	LF6VM2348QA	SM 2540C	T	620 umhos/cm	100 mL	66.7359 g	66.7679 g	66.7678 g	0 g
280-30282-B-5	LF6VM2650QA	SM 2540C	T	1020 umhos/cm	100 mL	66.2189 g	66.2731 g	66.2701 g	66.2701 g
280-30282-B-6	LF6VM2650QC	SM 2540C	T	1050 umhos/cm	100 mL	66.5111 g	66.5649 g	66.5623 g	66.5623 g
280-30282-B-7	TMCUM0227QA	SM 2540C	T	370 umhos/cm	100 mL	72.4696 g	72.4905 g	72.4902 g	0 g
280-30282-B-8	LF6SW0301QA	SM 2540C	T	996 umhos/cm	100 mL	66.6816 g	66.7359 g	66.7340 g	66.7340 g
280-30282-B-9	062012QE	SM 2540C	T	1.60 umhos/cm	100 mL	67.7551 g	67.7547 g	67.7543 g	0 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	WeightOne%Diff	WeightTwo%Diff	Residue	Residue2	Residue3	FinalAmount
MB 280-125747/1		SM 2540C		PASS_D No Unit		-0.00130 g	-0.00160 g		100 mL
LCS 280-125747/2		SM 2540C		PASS_D No Unit		0.04780 g	0.04780 g		100 mL
LCSD 280-125747/3		SM 2540C		PASS_D No Unit		0.04730 g	0.04710 g		100 mL
280-30282-B-1	LF6M1246QA	SM 2540C	T	PASS_D No Unit		0.05790 g	0.05750 g		100 mL
280-30282-B-1 DU	LF6M1246QA	SM 2540C	T	PASS_D No Unit		0.05850 g	0.05850 g		100 mL
280-30282-B-2	LF6VM17D48QA	SM 2540C	T	PASS_D No Unit		0.00980 g	0.00980 g		100 mL
280-30282-B-3	LF6VM17S15QA	SM 2540C	T	PASS_D No Unit		0.00370 g	0.00340 g		100 mL
280-30282-B-4	LF6VM2348QA	SM 2540C	T	PASS_D No Unit		0.03200 g	0.03190 g		100 mL
280-30282-B-5	LF6VM2650QA	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.05420 g	0.05120 g	0.0511999999999944 g	100 mL
280-30282-B-6	LF6VM2650QC	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.05380 g	0.05120 g	0.0511999999999944 g	100 mL
280-30282-B-7	TMCUM0227QA	SM 2540C	T	PASS_D No Unit		0.02090 g	0.02060 g		100 mL
280-30282-B-8	LF6SW0301QA	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.05430 g	0.05240 g	0.0523999999999916 g	100 mL
280-30282-B-9	062012QE	SM 2540C	T	PASS_D No Unit		-0.00040 g	-0.00080 g		100 mL

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125747 Batch Start Date: 06/27/12 08:08 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TDS LCS 00279	AnalysisComment				
MB 280-125747/1		SM 2540C							
LCS 280-125747/2		SM 2540C		100 mL					
LCSD 280-125747/3		SM 2540C		100 mL					
280-30282-B-1	LF6M1246QA	SM 2540C	T						
280-30282-B-1 DU	LF6M1246QA	SM 2540C	T						
280-30282-B-2	LF6VM17D48QA	SM 2540C	T						
280-30282-B-3	LF6VM17S15QA	SM 2540C	T						
280-30282-B-4	LF6VM2348QA	SM 2540C	T						
280-30282-B-5	LF6VM2650QA	SM 2540C	T		2nd weight 66.2714				
280-30282-B-6	LF6VM2650QC	SM 2540C	T		2nd weight 66.5639				
280-30282-B-7	TMCUM0227QA	SM 2540C	T						
280-30282-B-8	LF6SW0301QA	SM 2540C	T		2nd weight 66.7347				
280-30282-B-9	062012QE	SM 2540C	T						

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125747 Batch Start Date: 06/27/12 08:08 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Batch Notes	
Balance ID	D91301
Constant Weight (WT2) Date/Time in Oven	6/28/12 9:45
Constant Weight (WT2) Date/Time Out	6/28/12 11:55
Constant Weight (WT2) Temp In	180 Celsius
Constant Weight (WT2) Temp Out	180 Celsius
Constant Weight (WT3) Date/time In	7/2/12 8:20
Constant Weight (WT3) Date/Time Out	7/2/12 10:20
Constant Weight (WT3) Temp In	180 Celsius
Constant Weight (WT3) Temp Out	180 Celsius
Filter Paper Lot Number	millipore lot# r2aa74409
Date samples were placed in the oven	6/27/12 10:05
Oven Temp when samples are put in oven	180 Celsius
Nominal Amount Used	100 mL
Date samples were removed from oven	6/28/12 5:10
Oven Temp when samples removed from oven	180 Celsius
Oven ID	A
Oven Temperature Verification	180 Celsius
ID number of the thermometer	14-983-17c
Uncorrected In Temperature	180 Celsius
Uncorrected Out Temperature	180 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125023 Batch Start Date: 06/21/12 13:00 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 06/26/12 11:34

Lab Sample ID	Client Sample ID	Method Chain	Basis	ResidualChloCheck	InitialTemp	Initial_DO	Initial pH	FinTemp	Final_DO
LCS 280-125023/4		SM5210B							
LCSD 280-125023/5		SM5210B							
MB 280-125023/6		SM5210B							
280-30282-A-1	LF6M1246QA	SM5210B	T	NEG	20.49 Celsius	7.44 mg/L	6.70	19.65 Celsius	7.58 mg/L
280-30282-A-1 DU	LF6M1246QA	SM5210B	T	NEG	20.49 Celsius	7.43 mg/L	6.70	19.75 Celsius	7.54 mg/L
280-30282-A-2	LF6VM17D48QA	SM5210B	T	NEG	20.36 Celsius	7.42 mg/L	7.50	20.41 Celsius	7.44 mg/L
280-30282-A-3	LF6VM17S15QA	SM5210B	T	NEG	20.42 Celsius	7.40 mg/L	6.50	20.49 Celsius	7.43 mg/L
280-30282-A-4	LF6VM2348QA	SM5210B	T	NEG	20.35 Celsius	7.43 mg/L	7.50	20.56 Celsius	7.42 mg/L
280-30282-A-5	LF6VM2650QA	SM5210B	T	NEG	20.60 Celsius	7.39 mg/L	6.93	20.64 Celsius	7.41 mg/L
280-30282-A-6	LF6VM2650QC	SM5210B	T	NEG	20.43 Celsius	7.43 mg/L	7.36	20.82 Celsius	7.39 mg/L
280-30282-A-7	TMCUM0227QA	SM5210B	T	NEG	20.43 Celsius	7.45 mg/L	7.43	19.94 Celsius	7.47 mg/L
280-30282-A-8	LF6SW0301QA	SM5210B	T	NEG	20.50 Celsius	7.41 mg/L	7.07	20.02 Celsius	7.43 mg/L
280-30282-A-9	062012QE	SM5210B	T	NEG	20.47 Celsius	7.46 mg/L	7.39	20.02 Celsius	7.44 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Num	Bot1Amt	Bot1IDO	Bot1FDO	Bot1Dep	Bot1BOD
LCS 280-125023/4		SM5210B		9	6 mL	7.52 mg/L	2.81 mg/L	4.71 mg/L	199.02 mg/L
LCSD 280-125023/5		SM5210B		10	6 mL	7.50 mg/L	2.56 mg/L	4.94 mg/L	210.52 mg/L
MB 280-125023/6		SM5210B		11	300 mL	7.52 mg/L	6.85 mg/L	0.67 mg/L	-0.06 mg/L
280-30282-A-1	LF6M1246QA	SM5210B	T	A	10 mL	7.53 mg/L	6.66 mg/L	0.87 mg/L	4.212 mg/L
280-30282-A-1 DU	LF6M1246QA	SM5210B	T	12	10 mL	7.53 mg/L	6.67 mg/L	0.86 mg/L	3.912 mg/L
280-30282-A-2	LF6VM17D48QA	SM5210B	T	17	10 mL	7.51 mg/L	6.88 mg/L	0.63 mg/L	-2.988 mg/L
280-30282-A-3	LF6VM17S15QA	SM5210B	T	22	10 mL	7.51 mg/L	6.87 mg/L	0.64 mg/L	-2.688 mg/L
280-30282-A-4	LF6VM2348QA	SM5210B	T	27	10 mL	7.51 mg/L	6.78 mg/L	0.73 mg/L	0.012 mg/L
280-30282-A-5	LF6VM2650QA	SM5210B	T	32	10 mL	7.47 mg/L	6.82 mg/L	0.65 mg/L	-2.388 mg/L
280-30282-A-6	LF6VM2650QC	SM5210B	T	37	10 mL	7.50 mg/L	6.87 mg/L	0.63 mg/L	-2.988 mg/L
280-30282-A-7	TMCUM0227QA	SM5210B	T	42	10 mL	7.48 mg/L	6.82 mg/L	0.66 mg/L	-2.088 mg/L
280-30282-A-8	LF6SW0301QA	SM5210B	T	47	10 mL	7.51 mg/L	6.79 mg/L	0.72 mg/L	-0.288 mg/L
280-30282-A-9	062012QE	SM5210B	T	52	10 mL	7.52 mg/L	6.92 mg/L	0.6 mg/L	-3.888 mg/L

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125023 Batch Start Date: 06/21/12 13:00 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 06/26/12 11:34

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Use	Bot2Num	Bot2Amt	Bot2IDO	Bot2FDO	Bot2Dep
LCS 280-125023/4		SM5210B		YES. Pass					
LCSD 280-125023/5		SM5210B		YES. Pass					
MB 280-125023/6		SM5210B		No. DO Deplete Fail					
280-30282-A-1	LF6M1246QA	SM5210B	T	No. DO Deplete Fail	B	25 mL	7.51 mg/L	6.33 mg/L	1.18 mg/L
280-30282-A-1 DU	LF6M1246QA	SM5210B	T	No. DO Deplete Fail	13	25 mL	7.52 mg/L	6.60 mg/L	0.92 mg/L
280-30282-A-2	LF6VM17D48QA	SM5210B	T	No. DO Deplete Fail	18	25 mL	7.60 mg/L	6.97 mg/L	0.63 mg/L
280-30282-A-3	LF6VM17S15QA	SM5210B	T	No. DO Deplete Fail	23	25 mL	7.58 mg/L	7.01 mg/L	0.57 mg/L
280-30282-A-4	LF6VM2348QA	SM5210B	T	No. DO Deplete Fail	28	25 mL	7.54 mg/L	6.78 mg/L	0.76 mg/L
280-30282-A-5	LF6VM2650QA	SM5210B	T	No. DO Deplete Fail	33	25 mL	7.56 mg/L	6.86 mg/L	0.7 mg/L
280-30282-A-6	LF6VM2650QC	SM5210B	T	No. DO Deplete Fail	38	25 mL	7.57 mg/L	6.87 mg/L	0.7 mg/L
280-30282-A-7	TMCUM0227QA	SM5210B	T	No. DO Deplete Fail	43	25 mL	7.50 mg/L	6.82 mg/L	0.68 mg/L
280-30282-A-8	LF6SW0301QA	SM5210B	T	No. DO Deplete Fail	48	25 mL	7.56 mg/L	6.77 mg/L	0.79 mg/L
280-30282-A-9	062012QE	SM5210B	T	No. DO Deplete Fail	53	25 mL	7.65 mg/L	7.04 mg/L	0.61 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot2BOD	Bot2Use	Bot3Num	Bot3Amt	Bot3IDO	Bot3FDO
LCS 280-125023/4		SM5210B							
LCSD 280-125023/5		SM5210B							
MB 280-125023/6		SM5210B							
280-30282-A-1	LF6M1246QA	SM5210B	T	5.405 mg/L	No. DO Deplete Fail	C	60 mL	7.32 mg/L	5.30 mg/L
280-30282-A-1 DU	LF6M1246QA	SM5210B	T	2.285 mg/L	No. DO Deplete Fail	14	60 mL	7.32 mg/L	5.39 mg/L
280-30282-A-2	LF6VM17D48QA	SM5210B	T	-1.195 mg/L	No. DO Deplete Fail	19	60 mL	7.87 mg/L	7.17 mg/L
280-30282-A-3	LF6VM17S15QA	SM5210B	T	-1.915 mg/L	No. DO Deplete Fail	24	60 mL	7.82 mg/L	7.19 mg/L
280-30282-A-4	LF6VM2348QA	SM5210B	T	0.365 mg/L	No. DO Deplete Fail	29	60 mL	7.73 mg/L	6.84 mg/L

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125023 Batch Start Date: 06/21/12 13:00 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 06/26/12 11:34

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot2BOD	Bot2Use	Bot3Num	Bot3Amt	Bot3IDO	Bot3FDO
280-30282-A-5	LF6VM2650QA	SM5210B	T	-0.355 mg/L	No. DO Deplete Fail	34	60 mL	7.65 mg/L	6.90 mg/L
280-30282-A-6	LF6VM2650QC	SM5210B	T	-0.355 mg/L	No. DO Deplete Fail	39	60 mL	7.78 mg/L	6.97 mg/L
280-30282-A-7	TMCUM0227QA	SM5210B	T	-0.595 mg/L	No. DO Deplete Fail	44	60 mL	7.50 mg/L	6.75 mg/L
280-30282-A-8	LF6SW0301QA	SM5210B	T	0.725 mg/L	No. DO Deplete Fail	49	60 mL	7.87 mg/L	6.95 mg/L
280-30282-A-9	062012QE	SM5210B	T	-1.435 mg/L	No. DO Deplete Fail	54	60 mL	7.98 mg/L	7.24 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot3Dep	Bot3BOD	Bot3Use	Bot4Num	Bot4Amt	Bot4IDO
LCS 280-125023/4		SM5210B							
LCSD 280-125023/5		SM5210B							
MB 280-125023/6		SM5210B							
280-30282-A-1	LF6M1246QA	SM5210B	T	2.02 mg/L	6.452 mg/L	YES. Pass	D	120 mL	6.97 mg/L
280-30282-A-1 DU	LF6M1246QA	SM5210B	T	1.93 mg/L	6.002 mg/L	NO. Deplete Fail	15	120 mL	6.97 mg/L
280-30282-A-2	LF6VM17D48QA	SM5210B	T	0.7 mg/L	-0.148 mg/L	NO. Deplete Fail	20	120 mL	8.42 mg/L
280-30282-A-3	LF6VM17S15QA	SM5210B	T	0.63 mg/L	-0.498 mg/L	NO. Deplete Fail	25	120 mL	8.32 mg/L
280-30282-A-4	LF6VM2348QA	SM5210B	T	0.89 mg/L	0.802 mg/L	NO. Deplete Fail	30	120 mL	8.09 mg/L
280-30282-A-5	LF6VM2650QA	SM5210B	T	0.75 mg/L	0.102 mg/L	NO. Deplete Fail	35	120 mL	7.86 mg/L
280-30282-A-6	LF6VM2650QC	SM5210B	T	0.81 mg/L	0.402 mg/L	NO. Deplete Fail	40	120 mL	8.13 mg/L
280-30282-A-7	TMCUM0227QA	SM5210B	T	0.75 mg/L	0.102 mg/L	NO. Deplete Fail	45	120 mL	7.46 mg/L
280-30282-A-8	LF6SW0301QA	SM5210B	T	0.92 mg/L	0.952 mg/L	NO. Deplete Fail	50	120 mL	8.42 mg/L
280-30282-A-9	062012QE	SM5210B	T	0.74 mg/L	0.052 mg/L	NO. Deplete Fail	55	120 mL	8.54 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot4FDO	Bot4Dep	Bot4BOD	Bot4Use	Bot5Num	Bot5Amt
LCS 280-125023/4		SM5210B							
LCSD 280-125023/5		SM5210B							

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125023 Batch Start Date: 06/21/12 13:00 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 06/26/12 11:34

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot4FDO	Bot4Dep	Bot4BOD	Bot4Use	Bot5Num	Bot5Amt
MB 280-125023/6		SM5210B							
280-30282-A-1	LF6M1246QA	SM5210B	T	4.10 mg/L	2.87 mg/L	5.351 mg/L	YES. Pass	E	240 mL
280-30282-A-1 DU	LF6M1246QA	SM5210B	T	3.78 mg/L	3.19 mg/L	6.151 mg/L	YES. Pass	16	240 mL
280-30282-A-2	LF6VM17D48QA	SM5210B	T	7.40 mg/L	1.02 mg/L	0.726 mg/L	NO. Deplete Fail	21	240 mL
280-30282-A-3	LF6VM17S15QA	SM5210B	T	7.30 mg/L	1.02 mg/L	0.726 mg/L	NO. Deplete Fail	26	240 mL
280-30282-A-4	LF6VM2348QA	SM5210B	T	7.05 mg/L	1.04 mg/L	0.776 mg/L	NO. Deplete Fail	31	240 mL
280-30282-A-5	LF6VM2650QA	SM5210B	T	6.72 mg/L	1.14 mg/L	1.026 mg/L	NO. Deplete Fail	36	240 mL
280-30282-A-6	LF6VM2650QC	SM5210B	T	7.02 mg/L	1.11 mg/L	0.951 mg/L	NO. Deplete Fail	41	240 mL
280-30282-A-7	TMCUM0227QA	SM5210B	T	6.61 mg/L	0.85 mg/L	0.301 mg/L	NO. Deplete Fail	46	240 mL
280-30282-A-8	LF6SW0301QA	SM5210B	T	7.10 mg/L	1.32 mg/L	1.476 mg/L	NO. Deplete Fail	51	240 mL
280-30282-A-9	062012QE	SM5210B	T	7.55 mg/L	0.99 mg/L	0.651 mg/L	NO. Deplete Fail	56	240 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot5IDO	Bot5FDO	Bot5Dep	Bot5BOD	Bot5Use	CalcMsg
LCS 280-125023/4		SM5210B							BOD OK
LCSD 280-125023/5		SM5210B							BOD OK
MB 280-125023/6		SM5210B							No dilutions passed.
280-30282-A-1	LF6M1246QA	SM5210B	T	6.04 mg/L	0.93 mg/L	5.11 mg/L	5.476 mg/L	NO. Final DO Fail	BOD OK
280-30282-A-1 DU	LF6M1246QA	SM5210B	T	6.03 mg/L	1.14 mg/L	4.89 mg/L	5.201 mg/L	YES. Pass	BOD OK
280-30282-A-2	LF6VM17D48QA	SM5210B	T	9.61 mg/L	7.73 mg/L	1.88 mg/L	1.438 mg/L	NO. Deplete Fail	No dilutions passed.
280-30282-A-3	LF6VM17S15QA	SM5210B	T	9.20 mg/L	7.63 mg/L	1.57 mg/L	1.051 mg/L	NO. Deplete Fail	No dilutions passed.
280-30282-A-4	LF6VM2348QA	SM5210B	T	8.83 mg/L	7.53 mg/L	1.3 mg/L	0.713 mg/L	NO. Deplete Fail	No dilutions passed.
280-30282-A-5	LF6VM2650QA	SM5210B	T	8.15 mg/L	6.37 mg/L	1.78 mg/L	1.313 mg/L	NO. Deplete Fail	No dilutions passed.
280-30282-A-6	LF6VM2650QC	SM5210B	T	8.75 mg/L	7.05 mg/L	1.7 mg/L	1.213 mg/L	NO. Deplete Fail	No dilutions passed.
280-30282-A-7	TMCUM0227QA	SM5210B	T	7.29 mg/L	5.69 mg/L	1.6 mg/L	1.088 mg/L	NO. Deplete Fail	No dilutions passed.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125023 Batch Start Date: 06/21/12 13:00 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 06/26/12 11:34

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot5IDO	Bot5FDO	Bot5Dep	Bot5BOD	Bot5Use	CalcMsg
280-30282-A-8	LF6SW0301QA	SM5210B	T	9.45 mg/L	7.54 mg/L	1.91 mg/L	1.476 mg/L	NO. Deplete Fail	No dilutions passed.
280-30282-A-9	062012QE	SM5210B	T	9.91 mg/L	7.97 mg/L	1.94 mg/L	1.513 mg/L	NO. Deplete Fail	No dilutions passed.

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	BOD Daily LCS 00525				
LCS 280-125023/4		SM5210B		300 mL	6 mL				
LCSD 280-125023/5		SM5210B		300 mL	6 mL				
MB 280-125023/6		SM5210B		300 mL					
280-30282-A-1	LF6M1246QA	SM5210B	T	300 mL					
280-30282-A-1 DU	LF6M1246QA	SM5210B	T	300 mL					
280-30282-A-2	LF6VM17D48QA	SM5210B	T	300 mL					
280-30282-A-3	LF6VM17S15QA	SM5210B	T	300 mL					
280-30282-A-4	LF6VM2348QA	SM5210B	T	300 mL					
280-30282-A-5	LF6VM2650QA	SM5210B	T	300 mL					
280-30282-A-6	LF6VM2650QC	SM5210B	T	300 mL					
280-30282-A-7	TMCUM0227QA	SM5210B	T	300 mL					
280-30282-A-8	LF6SW0301QA	SM5210B	T	300 mL					
280-30282-A-9	062012QE	SM5210B	T	300 mL					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30282-1

SDG No.:

Batch Number: 125023 Batch Start Date: 06/21/12 13:00 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 06/26/12 11:34

Batch Notes	
Barometric Pressure at Time of Analysis	749MMHG
Batch Comment	WC5000IC
Sulfuric Acid Lot Number	H2SO4 _00001
Incubator ID	BOD2
Incubator Temperature	19.5 Degrees C
Sodium Hydroxide Reagent ID Number	NAOH_00003
Nominal Amount Used	300 mL
Nutrient Buffer Pillow Lot #	BOD PILLOWS_00002
pH Meter ID	MO2-01543/001-1633
Perform Calculation (0=No, 1=Yes)	1
Amount of Seed added to each Sample	4 mL
Seed Correction	0.7296 mg/L
Seed Lot	POLYSEED_00003/ SEEDED @ 1330/ SEED WINDOW 1130-1730

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-30282-1

Login Number: 30282

List Source: TestAmerica Denver

List Number: 1

Creator: Paulsen, Lindsay T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	ID/DATE/TIME DISCREPANCIES
Samples are received within Holding Time.	True	
Sample containers have legible labels.	False	COLLECTION DATE/TIME MISSING FOR SEVERAL SAMPLES ON LABELS
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	NO VOC VOLUME RECEIVED FOR SAMPLE LF6VM2348QA
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	False	1/2 VIALS FOR 62012QR
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30334-1

Job Description: Griffiss AFB LF6 LTM

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga



Approved for release.
Donna R Rydberg
Project Manager II
7/20/2012 1:59 PM

Designee for
Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/20/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
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CASE NARRATIVE

Client: FPM Remediations Inc

Project: Griffiss AFB LF6 LTM

Report Number: 280-30334-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
Four samples were received on 06/21/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 2.0ºC, 3.2ºC, and 3.8ºC.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples LF6SW0101QA (280-30334-1) and LF6SW0201QA (280-30334-2) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/02/20

The percent recovery for surrogate Dibromofluoromethane (83%) failed the surrogate recovery criteria (85-115%) low for sample LF6SW0201QA (280-30334-2). Re--analysis was performed with concurring results. The original analysis has been reported. All analytes associated to this surrogate were non-detect. Data was flagged accordingly.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

COLOR
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for color in accordance with SM20 2120B - Colorimetric. The samples were analyzed on 06/22/2012.

No difficulties were encountered during the color analyses.

All quality control parameters were within the acceptance limits.

ALKALINITY
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for Alkalinity in accordance with SM20 2320B. The samples were analyzed on 06/23/2012.

No difficulties were encountered during the alkalinity analyses.

All quality control parameters were within the acceptance limits.

HARDNESS
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for hardness in accordance with SM20 2340C. The samples were analyzed on 07/17/2012.

No difficulties were encountered during the hardness analyses.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 06/27/2012.

Constant weight was not achieved after 3 drying cycles for the following TDS samples of batch 125751: LF6LH0101QA (280-30334-3), LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2).

No other difficulties were encountered during the TDS analyses.

All quality control parameters were within the acceptance limits.

AMMONIA
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 07/07/2012.

No difficulties were encountered during the ammonia analyses.

All quality control parameters were within the acceptance limits.

TOTAL KJELDAHL NITROGEN
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 07/12/2012 and analyzed on 07/13/2012.

Nitrogen, Kjeldahl was detected in method blank MB 280-127752/3-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

No other difficulties were encountered during the TKN analyses.

All other quality control parameters were within the acceptance limits.

CHEMICAL OXYGEN DEMAND
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for chemical oxygen demand in accordance with EPA Method 410.4. The samples were analyzed on 06/26/2012.

No difficulties were encountered during the COD analyses.

All quality control parameters were within the acceptance limits.

ANIONS (28 DAYS)
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for anions (28 days) in accordance with EPA SW-846 Method 9056. The samples were analyzed on 06/22/2012.

Samples LF6SW0101QA (280-30334-1) and LF6SW0201QA (280-30334-2) required a 5x dilution prior to analysis. The LOQ, LOD, and DL have been adjusted accordingly.

No other anomalies were observed.

All quality control parameters were within the acceptance limits.

ANIONS (48 HOURS)
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for anions (48 hours) in accordance with EPA SW-846 Method 9056A. The samples were analyzed on 06/22/2012.

For IC nitrate, batch 125527, the sample duplicate %RPD for (280-30334-4 DU) was outside of control limits. However, the sample is less than the laboratory's standard reporting limit (RL), and we do not control to the RPD below the RL. The %RPD for the LCS/LCSD is in control.

No other difficulties were encountered during the anions analyses.

All quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON
Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 07/17/2012.

No difficulties were encountered during the TOC analyses.

All quality control parameters were within the acceptance limits.

BIOCHEMICAL OXYGEN DEMAND

Samples LF6SW0101QA (280-30334-1), LF6SW0201QA (280-30334-2), LF6LH0101QA (280-30334-3) and LF6LH0201QA (280-30334-4) were analyzed for Biochemical Oxygen Demand in accordance with SM20 5210B. The samples were analyzed on 06/22/2012.

Sample LF6SW0101QA (280-30334-1) associated with batch 125222 for method BOD had an aliquot that was used in the final BOD calculation but did not have an initial DO reading in the range of 6.5-9.0mg/L.

No other difficulties were encountered during the BOD analyses.

All quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: MSV_R2 Analysis Batch Number: 124226

Lab Sample ID: IC 280-124226/5 Client Sample ID:

Date Analyzed: 06/15/12 08:22 Lab File ID: RR6390.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.66	Analyte not Identified by the Data System	dobranskym	06/15/12 11:00

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30334-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30334-1	LF6SW0101QA	Water	06/21/2012 1210	06/22/2012 0930
280-30334-2	LF6SW0201QA	Water	06/21/2012 1120	06/22/2012 0930
280-30334-3	LF6LH0101QA	Water	06/21/2012 1040	06/22/2012 0930
280-30334-4	LF6LH0201QA	Water	06/21/2012 1140	06/22/2012 0930

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30334-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30334-1	**LF6SW0101QA**					
Ammonia		0.070	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.86	J	1.0	mg/L	351.2
Chemical Oxygen Demand		7.0	J	20	mg/L	410.4
Bromide		0.27	J	0.50	mg/L	9056A
Nitrate as N		0.23	J	0.50	mg/L	9056A
Chloride		190		15	mg/L	9056A
Nitrate Nitrite as N		0.23	J	0.50	mg/L	9056A
Sulfate		40		5.0	mg/L	9056A
Total Organic Carbon - Quad		2.0		1.0	mg/L	9060A
Alkalinity		250		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		300		5.0	mg/L	SM 2340C
Total Dissolved Solids		590		10	mg/L	SM 2540C
Biochemical Oxygen Demand		3.1		2.5	mg/L	SM5210B
280-30334-2	**LF6SW0201QA**					
Ammonia		0.075	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.80	J	1.0	mg/L	351.2
Chemical Oxygen Demand		6.3	J	20	mg/L	410.4
Bromide		0.27	J	0.50	mg/L	9056A
Nitrate as N		0.19	J	0.50	mg/L	9056A
Chloride		180		15	mg/L	9056A
Nitrate Nitrite as N		0.19	J	0.50	mg/L	9056A
Sulfate		39		5.0	mg/L	9056A
Total Organic Carbon - Quad		2.2		1.0	mg/L	9060A
Alkalinity		250		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		310		5.0	mg/L	SM 2340C
Total Dissolved Solids		560		10	mg/L	SM 2540C
280-30334-3	**LF6LH0101QA**					
Ammonia		0.16		0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.80	J	1.0	mg/L	351.2
Chemical Oxygen Demand		41		20	mg/L	410.4
Chloride		12		3.0	mg/L	9056A
Fluoride		0.067	J	1.0	mg/L	9056A
Sulfate		2.1	J	5.0	mg/L	9056A
Total Organic Carbon - Quad		8.1		1.0	mg/L	9060A
Alkalinity		240		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		230		5.0	mg/L	SM 2340C
Total Dissolved Solids		270		10	mg/L	SM 2540C
Biochemical Oxygen Demand		3.0		2.5	mg/L	SM5210B

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30334-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-30334-4	**LF6LH0201QA**					
Ammonia		0.022	J	0.10	mg/L	350.1
Nitrogen, Kjeldahl		0.81	J	1.0	mg/L	351.2
Chemical Oxygen Demand		12	J	20	mg/L	410.4
Nitrate as N		0.079	J	0.50	mg/L	9056A
Chloride		6.7		3.0	mg/L	9056A
Fluoride		0.074	J	1.0	mg/L	9056A
Nitrate Nitrite as N		0.079	J	0.50	mg/L	9056A
Sulfate		30		5.0	mg/L	9056A
Total Organic Carbon - Quad		2.3		1.0	mg/L	9060A
Alkalinity		120		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		160		5.0	mg/L	SM 2340C
Total Dissolved Solids		190		10	mg/L	SM 2540C

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30334-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Nitrogen, Ammonia	TAL DEN	MCAWW 350.1	
Nitrogen, Total Kjeldahl	TAL DEN	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL DEN		MCAWW 351.2
COD	TAL DEN	MCAWW 410.4	
Anions, Ion Chromatography	TAL DEN	SW846 9056A	
Organic Carbon, Total (TOC)	TAL DEN	SW846 9060A	
Color, Colorimetric	TAL DEN	SM SM 2120B	
Alkalinity	TAL DEN	SM SM 2320B	
Hardness, Total	TAL DEN	SM SM 2340C	
Solids, Total Dissolved (TDS)	TAL DEN	SM SM 2540C	
BOD, 5 Day	TAL DEN	SM SM5210B	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30334-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Dobransky, Michael E	MD
MCAWW 350.1	Wolff, Brett Q	BQW
MCAWW 351.2	Woolley, Mark	MW
MCAWW 410.4	Fayard, Maria	MF
SW846 9056A	Phan, Thu L	TLP
SW846 9060A	Bandy, Darlene F	DFB
SM SM 2120B	Ayala, Delaina	DA
SM SM 2320B	Gilbert, Bryan M	BMG
SM SM 2340C	Allen, Andrew J	AJA
SM SM 2540C	Domnick, Brandon J	BJD
SM SM5210B	Ayala, Delaina	DA

Client: FPM Remediations Inc

Job Number: 280-30334-1

Client Sample ID: **LF6SW0101QA**

Lab Sample ID: 280-30334-1
Client Matrix: Water

Date Sampled: 06/21/2012 1210
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6866.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1004			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1004				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30334-1

Client Sample ID: **LF6SW0101QA**

Lab Sample ID: 280-30334-1
Client Matrix: Water

Date Sampled: 06/21/2012 1210
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6866.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1004			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1004				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	103		85 - 120
1,2-Dichloroethane-d4 (Surr)	78		70 - 120
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane (Surr)	87		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30334-1

Client Sample ID: **LF6SW0201QA**

Lab Sample ID: 280-30334-2
Client Matrix: Water

Date Sampled: 06/21/2012 1120
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6865.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0941			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0941				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U Q	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U Q	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U Q	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U Q	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U Q	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U Q	0.16	1.0
Chloroethane	1.6	U Q	0.41	2.0
Chloromethane	0.80	U Q	0.30	2.0
cis-1,2-Dichloroethene	0.20	U Q	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U Q	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc

Job Number: 280-30334-1

Client Sample ID: **LF6SW0201QA**

Lab Sample ID: 280-30334-2
Client Matrix: Water

Date Sampled: 06/21/2012 1120
Date Received: 06/22/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6865.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0941			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0941				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U Q	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U Q	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	100		85 - 120
1,2-Dichloroethane-d4 (Surr)	73		70 - 120
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane (Surr)	83	Q	85 - 115

General Chemistry

Client Sample ID: **LF6SW0101QA**

Lab Sample ID: 280-30334-1 Date Sampled: 06/21/2012 1210
Client Matrix: Water Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.070	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1157						
Nitrogen, Kjeldahl	0.86	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2042						
Prep Batch: 280-127752	Prep Date: 07/12/2012 1930						
Chemical Oxygen Demand	7.0	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.27	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1533						
Nitrate as N	0.23	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1533						
Chloride	190		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1855						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1533						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1533						
Nitrate Nitrite as N	0.23	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1533						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1533						
Sulfate	40		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1533						
Total Organic Carbon - Quad	2.0		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0403						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	250		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1236						
Hardness as calcium carbonate	300		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	590		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	3.1		mg/L	0.30	2.5	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1332						

General Chemistry

Client Sample ID: **LF6SW0201QA**

Lab Sample ID: 280-30334-2 Date Sampled: 06/21/2012 1120
Client Matrix: Water Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.075	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1158						
Nitrogen, Kjeldahl	0.80	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2050						
Prep Batch: 280-127752	Prep Date: 07/12/2012 1930						
Chemical Oxygen Demand	6.3	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.27	J	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1550						
Nitrate as N	0.19	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1550						
Chloride	180		mg/L	1.3	15	5.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1911						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1550						
Fluoride	0.10	U	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1550						
Nitrate Nitrite as N	0.19	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1550						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1550						
Sulfate	39		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1550						
Total Organic Carbon - Quad	2.2		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0459						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	250		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1241						
Hardness as calcium carbonate	310		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	560		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1333						

General Chemistry

Client Sample ID: **LF6LH0101QA**

Lab Sample ID: 280-30334-3 Date Sampled: 06/21/2012 1040
Client Matrix: Water Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.16		mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1200						
Nitrogen, Kjeldahl	0.80	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2052						
Prep Batch: 280-127752	Prep Date: 07/12/2012 1930						
Chemical Oxygen Demand	41		mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1607						
Nitrate as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1607						
Chloride	12		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1607						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1607						
Fluoride	0.067	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1607						
Nitrate Nitrite as N	0.10	U	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1607						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1607						
Sulfate	2.1	J	mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1607						
Total Organic Carbon - Quad	8.1		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0515						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	240		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1245						
Hardness as calcium carbonate	230		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	270		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	3.0		mg/L	0.30	2.5	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1335						

General Chemistry

Client Sample ID: **LF6LH0201QA**

Lab Sample ID: 280-30334-4 Date Sampled: 06/21/2012 1140
Client Matrix: Water Date Received: 06/22/2012 0930

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Ammonia	0.022	J	mg/L	0.022	0.10	1.0	350.1
Analysis Batch: 280-126890	Analysis Date: 07/07/2012 1201						
Nitrogen, Kjeldahl	0.81	J	mg/L	0.077	1.0	1.0	351.2
Analysis Batch: 280-127784	Analysis Date: 07/13/2012 2053						
Prep Batch: 280-127752	Prep Date: 07/12/2012 1930						
Chemical Oxygen Demand	12	J	mg/L	4.1	20	1.0	410.4
Analysis Batch: 280-125624	Analysis Date: 06/26/2012 1137						
Bromide	0.20	U	mg/L	0.11	0.50	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1623						
Nitrate as N	0.079	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1623						
Chloride	6.7		mg/L	0.25	3.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1623						
Nitrite as N	0.10	U	mg/L	0.049	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1623						
Fluoride	0.074	J	mg/L	0.060	1.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1623						
Nitrate Nitrite as N	0.079	J	mg/L	0.042	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1623						
Orthophosphate as P	0.20	U	mg/L	0.19	0.50	1.0	9056A
Analysis Batch: 280-125527	Analysis Date: 06/22/2012 1623						
Sulfate	30		mg/L	0.23	5.0	1.0	9056A
Analysis Batch: 280-125528	Analysis Date: 06/22/2012 1623						
Total Organic Carbon - Quad	2.3		mg/L	0.16	1.0	1.0	9060A
Analysis Batch: 280-128057	Analysis Date: 07/17/2012 0609						
Color	5.0	U	PCU	5.0	5.0	1.0	SM 2120B
Analysis Batch: 280-126227	Analysis Date: 06/22/2012 1300						
Alkalinity	120		mg/L	1.1	5.0	1.0	SM 2320B
Analysis Batch: 280-125394	Analysis Date: 06/23/2012 1250						
Hardness as calcium carbonate	160		mg/L	1.3	5.0	1.0	SM 2340C
Analysis Batch: 280-128017	Analysis Date: 07/17/2012 0902						
Total Dissolved Solids	190		mg/L	4.7	10	1.0	SM 2540C
Analysis Batch: 280-125751	Analysis Date: 06/27/2012 0819						
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-125222	Analysis Date: 06/22/2012 1340						

Client: FPM Remediations Inc

Job Number: 280-30334-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-30334-1	LF6SW0101QA	87	78	103	96
280-30334-2	LF6SW0201QA	83Q	73	100	94
MB 280-126338/7		91	86	106	98
LCS 280-126338/6		90	83	100	89
280-30334-1 MS	LF6SW0101QA MS	94	85	108	94
280-30334-1 MSD	LF6SW0101QA MSD	89	83	99	88

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Client: FPM Remediations Inc

Job Number: 280-30334-1

Method Blank - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-126338/7	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6863.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0856	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0856				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 280-30334-1

Method Blank - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-126338/7	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6863.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0856	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0856				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	106	85 - 120
1,2-Dichloroethane-d4 (Surr)	86	70 - 120
4-Bromofluorobenzene (Surr)	98	75 - 120
Dibromofluoromethane (Surr)	91	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30334-1

Lab Control Sample - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-126338/6	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6862.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0834	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0834				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	5.00	4.44	89	80 - 130	
1,1,1-Trichloroethane	5.00	4.14	83	65 - 130	
1,2,3-Trichloropropane	5.00	4.69	94	75 - 125	
1,2,3-Trichlorobenzene	5.00	4.45	89	55 - 140	
1,1-Dichloroethane	5.00	4.55	91	70 - 135	
1,2,4-Trichlorobenzene	5.00	4.42	88	65 - 135	
1,2-Dibromo-3-Chloropropane	5.00	4.42	88	50 - 130	J
1,1-Dichloropropene	5.00	4.53	91	75 - 130	
1,1-Dichloroethene	5.00	4.74	95	70 - 130	
1,1,2-Trichloroethane	5.00	4.67	93	75 - 125	
1,1,2,2-Tetrachloroethane	5.00	4.55	91	65 - 130	
1,2,4-Trimethylbenzene	5.00	4.42	88	75 - 130	
1,2-Dichlorobenzene	5.00	4.59	92	70 - 120	
1,2-Dichloroethane	5.00	4.76	95	70 - 130	
1,3-Dichlorobenzene	5.00	4.60	92	75 - 125	
1,3-Dichloropropane	5.00	4.55	91	75 - 125	
1,3,5-Trimethylbenzene	5.00	4.51	90	75 - 130	
2-Butanone (MEK)	20.0	28.0	140	30 - 150	
1,4-Dichlorobenzene	5.00	4.58	92	75 - 125	
1,2-Dichloropropane	5.00	4.61	92	75 - 125	
2,2-Dichloropropane	5.00	4.36	87	70 - 135	
2-Hexanone	20.0	22.4	112	55 - 130	
4-Methyl-2-pentanone (MIBK)	20.0	22.0	110	60 - 135	
4-Isopropyltoluene	5.00	4.53	91	75 - 130	
Benzene	5.00	4.47	89	80 - 120	
Acetone	20.0	23.2	116	40 - 140	
Bromobenzene	5.00	4.60	92	75 - 125	
Bromoform	5.00	4.55	91	70 - 130	
Bromomethane	5.00	4.95	99	30 - 145	
Carbon tetrachloride	5.00	4.29	86	65 - 140	
Carbon disulfide	5.00	4.43	89	35 - 160	
2-Chlorotoluene	5.00	4.70	94	75 - 125	
4-Chlorotoluene	5.00	4.80	96	75 - 130	
Chlorobenzene	5.00	4.48	90	80 - 120	
Chlorobromomethane	5.00	4.47	89	65 - 130	
Chlorodibromomethane	5.00	4.49	90	60 - 135	
Chloroform	5.00	4.23	85	65 - 135	
Chloroethane	5.00	4.41	88	60 - 135	
Chloromethane	5.00	4.55	91	40 - 125	
cis-1,2-Dichloroethene	5.00	4.52	90	70 - 125	
cis-1,3-Dichloropropene	5.00	4.38	88	70 - 130	
Dibromomethane	5.00	4.48	90	75 - 125	
Dichlorobromomethane	5.00	4.31	86	75 - 120	
Dichlorodifluoromethane	5.00	4.47	89	30 - 155	
Ethylbenzene	5.00	4.75	95	75 - 125	
Hexachlorobutadiene	5.00	4.29	86	50 - 140	

Client: FPM Remediations Inc

Job Number: 280-30334-1

Lab Control Sample - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-126338/6	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6862.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0834	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0834				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Isopropylbenzene	5.00	4.60	92	75 - 125	
Ethylene Dibromide	5.00	4.55	91	80 - 120	
Methylene Chloride	5.00	4.55	91	55 - 140	J
Methyl tert-butyl ether	5.00	4.29	86	65 - 125	J
m-Xylene & p-Xylene	10.0	9.26	93	75 - 130	
Naphthalene	5.00	4.29	86	55 - 140	
n-Butylbenzene	5.00	4.65	93	70 - 135	
N-Propylbenzene	5.00	4.70	94	70 - 130	
o-Xylene	5.00	4.67	93	80 - 120	
Styrene	5.00	4.39	88	65 - 135	
sec-Butylbenzene	5.00	4.69	94	70 - 125	
tert-Butylbenzene	5.00	4.55	91	70 - 130	
trans-1,2-Dichloroethene	5.00	4.54	91	60 - 140	
trans-1,3-Dichloropropene	5.00	4.45	89	55 - 140	
Tetrachloroethene	5.00	4.59	92	45 - 150	
Toluene	5.00	4.55	91	75 - 120	
Trichloroethene	5.00	4.59	92	70 - 125	
Trichlorofluoromethane	5.00	4.81	96	60 - 145	
Vinyl chloride	5.00	4.60	92	50 - 145	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	100	85 - 120
1,2-Dichloroethane-d4 (Surr)	83	70 - 120
4-Bromofluorobenzene (Surr)	89	75 - 120
Dibromofluoromethane (Surr)	90	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30334-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-30334-1	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6869.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1112			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1112				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30334-1	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6870.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1135			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1135				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	91	86	80 - 130	5	30		
1,1,1-Trichloroethane	84	79	65 - 130	6	30		
1,2,3-Trichloropropane	104	99	75 - 125	4	30		
1,2,3-Trichlorobenzene	92	92	55 - 140	0	30		
1,1-Dichloroethane	94	91	70 - 135	3	30		
1,2,4-Trichlorobenzene	89	88	65 - 135	2	30		
1,2-Dibromo-3-Chloropropane	99	96	50 - 130	3	30	J	J
1,1-Dichloropropene	89	85	75 - 130	5	30		
1,1-Dichloroethene	96	88	70 - 130	8	30		
1,1,2-Trichloroethane	99	98	75 - 125	0	30		
1,1,2,2-Tetrachloroethane	99	98	65 - 130	1	30		
1,2,4-Trimethylbenzene	95	91	75 - 130	4	30		
1,2-Dichlorobenzene	98	95	70 - 120	3	30		
1,2-Dichloroethane	93	92	70 - 130	1	30		
1,3-Dichlorobenzene	97	94	75 - 125	3	30		
1,3-Dichloropropane	97	92	75 - 125	5	30		
1,3,5-Trimethylbenzene	93	87	75 - 130	6	30		
2-Butanone (MEK)	141	146	30 - 150	4	30		
1,4-Dichlorobenzene	98	95	75 - 125	3	30		
1,2-Dichloropropane	95	94	75 - 125	1	30		
2,2-Dichloropropane	87	80	70 - 135	9	30		
2-Hexanone	105	117	55 - 130	10	30		
4-Methyl-2-pentanone (MIBK)	110	115	60 - 135	4	30		
4-Isopropyltoluene	93	87	75 - 130	8	30		
Benzene	94	91	80 - 120	3	30		
Acetone	102	113	40 - 140	11	30		
Bromobenzene	96	96	75 - 125	0	30		
Bromoform	93	90	70 - 130	4	30		
Bromomethane	99	100	30 - 145	1	30		
Carbon tetrachloride	84	79	65 - 140	6	30		
Carbon disulfide	91	86	35 - 160	5	30		
2-Chlorotoluene	98	93	75 - 125	6	30		
4-Chlorotoluene	101	98	75 - 130	3	30		

Client: FPM Remediations Inc

Job Number: 280-30334-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-30334-1	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6869.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1112			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1112				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30334-1	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6870.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1135			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1135				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chlorobenzene	94	90	80 - 120	4	30		
Chlorobromomethane	95	93	65 - 130	2	30		
Chlorodibromomethane	92	91	60 - 135	1	30		
Chloroform	89	86	65 - 135	3	30		
Chloroethane	89	90	60 - 135	0	30		
Chloromethane	88	91	40 - 125	3	30		
cis-1,2-Dichloroethene	95	93	70 - 125	2	30		
cis-1,3-Dichloropropene	88	88	70 - 130	0	30		
Dibromomethane	95	94	75 - 125	1	30		
Dichlorobromomethane	88	89	75 - 120	2	30		
Dichlorodifluoromethane	89	90	30 - 155	0	30		
Ethylbenzene	98	93	75 - 125	5	30		
Hexachlorobutadiene	83	80	50 - 140	5	30		
Isopropylbenzene	94	89	75 - 125	6	30		
Ethylene Dibromide	95	94	80 - 120	1	30		
Methylene Chloride	101	97	55 - 140	4	30		J
Methyl tert-butyl ether	87	88	65 - 125	1	30	J	J
m-Xylene & p-Xylene	95	92	75 - 130	4	30		
Naphthalene	88	92	55 - 140	4	30		
n-Butylbenzene	97	92	70 - 135	6	30		
N-Propylbenzene	97	91	70 - 130	7	30		
o-Xylene	96	91	80 - 120	5	30		
Styrene	92	90	65 - 135	2	30		
sec-Butylbenzene	92	89	70 - 125	4	30		
tert-Butylbenzene	93	90	70 - 130	4	30		
trans-1,2-Dichloroethene	91	90	60 - 140	2	30		
trans-1,3-Dichloropropene	90	91	55 - 140	1	30		
Tetrachloroethene	93	88	45 - 150	6	30		
Toluene	94	93	75 - 120	2	30		
Trichloroethene	83	89	70 - 125	7	30		
Trichlorofluoromethane	97	93	60 - 145	4	30		
Vinyl chloride	89	89	50 - 145	0	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: FPM Remediations Inc

Job Number: 280-30334-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	108	99	85 - 120
1,2-Dichloroethane-d4 (Surr)	85	83	70 - 120
4-Bromofluorobenzene (Surr)	94	88	75 - 120
Dibromofluoromethane (Surr)	94	89	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30334-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-30334-1	Units:	ug/L	MSD Lab Sample ID:	280-30334-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/02/2012 1112			Analysis Date:	07/02/2012 1135
Prep Date:	07/02/2012 1112			Prep Date:	07/02/2012 1135
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1,1,2-Tetrachloroethane	0.20	U	5.00	5.00	4.53		4.30	
1,1,1-Trichloroethane	0.20	U	5.00	5.00	4.18		3.93	
1,2,3-Trichloropropane	0.80	U	5.00	5.00	5.19		4.97	
1,2,3-Trichlorobenzene	0.40	U	5.00	5.00	4.61		4.62	
1,1-Dichloroethane	0.20	U	5.00	5.00	4.69		4.57	
1,2,4-Trichlorobenzene	0.80	U	5.00	5.00	4.47		4.40	
1,2-Dibromo-3-Chloropropane	1.6	U	5.00	5.00	4.97	J	4.82	J
1,1-Dichloropropene	0.40	U	5.00	5.00	4.44		4.24	
1,1-Dichloroethene	0.20	U	5.00	5.00	4.79		4.41	
1,1,2-Trichloroethane	0.40	U	5.00	5.00	4.93		4.91	
1,1,2,2-Tetrachloroethane	0.40	U	5.00	5.00	4.93		4.90	
1,2,4-Trimethylbenzene	0.20	U	5.00	5.00	4.74		4.57	
1,2-Dichlorobenzene	0.20	U	5.00	5.00	4.88		4.75	
1,2-Dichloroethane	0.20	U	5.00	5.00	4.66		4.61	
1,3-Dichlorobenzene	0.20	U	5.00	5.00	4.85		4.72	
1,3-Dichloropropane	0.20	U	5.00	5.00	4.86		4.62	
1,3,5-Trimethylbenzene	0.40	U	5.00	5.00	4.64		4.37	
2-Butanone (MEK)	3.2	U	20.0	20.0	28.2		29.2	
1,4-Dichlorobenzene	0.40	U	5.00	5.00	4.92		4.76	
1,2-Dichloropropane	0.20	U	5.00	5.00	4.74		4.69	
2,2-Dichloropropane	0.40	U	5.00	5.00	4.36		4.01	
2-Hexanone	3.2	U	20.0	20.0	21.1		23.3	
4-Methyl-2-pentanone (MIBK)	3.2	U	20.0	20.0	22.1		23.0	
4-Isopropyltoluene	0.40	U	5.00	5.00	4.67		4.33	
Benzene	0.20	U	5.00	5.00	4.69		4.54	
Acetone	6.4	U	20.0	20.0	20.3		22.6	
Bromobenzene	0.20	U	5.00	5.00	4.80		4.78	
Bromoform	0.40	U	5.00	5.00	4.65		4.49	
Bromomethane	0.40	U	5.00	5.00	4.93		4.99	
Carbon tetrachloride	0.40	U	5.00	5.00	4.21		3.96	
Carbon disulfide	0.80	U	5.00	5.00	4.54		4.31	
2-Chlorotoluene	0.40	U	5.00	5.00	4.92		4.63	
4-Chlorotoluene	0.40	U	5.00	5.00	5.03		4.89	
Chlorobenzene	0.20	U	5.00	5.00	4.70		4.52	
Chlorobromomethane	0.20	U	5.00	5.00	4.73		4.64	
Chlorodibromomethane	0.40	U	5.00	5.00	4.60		4.54	
Chloroform	0.20	U	5.00	5.00	4.43		4.31	
Chloroethane	1.6	U	5.00	5.00	4.46		4.48	
Chloromethane	0.80	U	5.00	5.00	4.40		4.55	
cis-1,2-Dichloroethene	0.20	U	5.00	5.00	4.75		4.64	
cis-1,3-Dichloropropene	0.20	U	5.00	5.00	4.42		4.41	
Dibromomethane	0.40	U	5.00	5.00	4.75		4.71	
Dichlorobromomethane	0.20	U	5.00	5.00	4.38		4.47	

Client: FPM Remediations Inc

Job Number: 280-30334-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-30334-1	Units:	ug/L	MSD Lab Sample ID:	280-30334-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/02/2012 1112			Analysis Date:	07/02/2012 1135
Prep Date:	07/02/2012 1112			Prep Date:	07/02/2012 1135
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Dichlorodifluoromethane	0.80	U	5.00	5.00	4.47		4.48	
Ethylbenzene	0.20	U	5.00	5.00	4.90		4.64	
Hexachlorobutadiene	0.40	U	5.00	5.00	4.17		3.98	
Isopropylbenzene	0.40	U	5.00	5.00	4.72		4.47	
Ethylene Dibromide	0.20	U	5.00	5.00	4.76		4.71	
Methylene Chloride	0.40	U	5.00	5.00	5.04		4.83	J
Methyl tert-butyl ether	0.40	U	5.00	5.00	4.36	J	4.41	J
m-Xylene & p-Xylene	0.80	U	10.0	10.0	9.55		9.20	
Naphthalene	0.80	U	5.00	5.00	4.41		4.58	
n-Butylbenzene	0.40	U	5.00	5.00	4.87		4.61	
N-Propylbenzene	0.20	U	5.00	5.00	4.87		4.56	
o-Xylene	0.40	U	5.00	5.00	4.78		4.57	
Styrene	0.40	U	5.00	5.00	4.62		4.51	
sec-Butylbenzene	0.40	U	5.00	5.00	4.62		4.44	
tert-Butylbenzene	0.40	U	5.00	5.00	4.66		4.48	
trans-1,2-Dichloroethene	0.20	U	5.00	5.00	4.57		4.49	
trans-1,3-Dichloropropene	0.40	U	5.00	5.00	4.50		4.55	
Tetrachloroethene	0.40	U	5.00	5.00	4.67		4.38	
Toluene	0.40	U	5.00	5.00	4.71		4.64	
Trichloroethene	0.20	U	5.00	5.00	4.14		4.45	
Trichlorofluoromethane	0.80	U	5.00	5.00	4.84		4.63	
Vinyl chloride	0.80	U	5.00	5.00	4.44		4.45	

Client: FPM Remediations Inc

Job Number: 280-30334-1

Method Blank - Batch: 280-126890

Method: 350.1
Preparation: N/A

Lab Sample ID:	MB 280-126890/42	Analysis Batch:	280-126890	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0707NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/07/2012 1117	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Ammonia	0.050	U	0.022	0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126890

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126890/43	Analysis Batch:	280-126890	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0707NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/07/2012 1119	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126890/44	Analysis Batch:	280-126890	Instrument ID:	WC_Alp 2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C:\FLOW_4\0707NXNX
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	07/07/2012 1120	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ammonia	101	102	90 - 110	0	10		

Client: FPM Remediations Inc

Job Number: 280-30334-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126890

Method: 350.1
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126890/43	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126890/44
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/07/2012 1119			Analysis Date:	07/07/2012 1120
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Ammonia	5.00	5.00	5.06	5.08

Client: FPM Remediations Inc

Job Number: 280-30334-1

Method Blank - Batch: 280-127752

Method: 351.2
Preparation: 351.2

Lab Sample ID:	MB 280-127752/3-A	Analysis Batch:	280-127784	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127752	Lab File ID:	071312TKNA.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 2040	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/12/2012 1930				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrogen, Kjeldahl	0.266	J	0.077	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-127752

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 280-127752/1-A	Analysis Batch:	280-127784	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127752	Lab File ID:	071312TKNA.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 2038	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/12/2012 1930				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-127752/2-A	Analysis Batch:	280-127784	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127752	Lab File ID:	071312TKNA.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 2039	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	07/12/2012 1930				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrogen, Kjeldahl	96	96	90 - 110	0	25		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-127752

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 280-127752/1-A	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-127752/2-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/13/2012 2038			Analysis Date:	07/13/2012 2039
Prep Date:	07/12/2012 1930			Prep Date:	07/12/2012 1930
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrogen, Kjeldahl	6.00	6.00	5.75	5.74

Client: FPM Remediations Inc

Job Number: 280-30334-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127752

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	280-30334-1	Analysis Batch:	280-127784	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127752	Lab File ID:	071312TKNA.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 2043			Final Weight/Volume:	25 mL
Prep Date:	07/12/2012 1930				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30334-1	Analysis Batch:	280-127784	Instrument ID:	WC_Astoria
Client Matrix:	Water	Prep Batch:	280-127752	Lab File ID:	071312TKNA.tab
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/13/2012 2044			Final Weight/Volume:	25 mL
Prep Date:	07/12/2012 1930				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrogen, Kjeldahl	79	79	90 - 110	0	25	J	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-127752

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	280-30334-1	Units:	mg/L	MSD Lab Sample ID:	280-30334-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/13/2012 2043			Analysis Date:	07/13/2012 2044
Prep Date:	07/12/2012 1930			Prep Date:	07/12/2012 1930
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Nitrogen, Kjeldahl	0.86 J	3.00	3.00	3.23 J	3.23 J

Client: FPM Remediations Inc

Job Number: 280-30334-1

Method Blank - Batch: 280-125624

Method: 410.4
Preparation: N/A

Lab Sample ID:	MB 280-125624/5	Analysis Batch:	280-125624	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	06/26/2012 1137	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Chemical Oxygen Demand	10	U	4.1	20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125624

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125624/3	Analysis Batch:	280-125624	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 1137	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125624/4	Analysis Batch:	280-125624	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 1137	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chemical Oxygen Demand	103	99	90 - 110	4	11		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125624

Method: 410.4
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125624/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125624/4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/26/2012 1137			Analysis Date:	06/26/2012 1137
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chemical Oxygen Demand	100	100	103	99.4

Client: FPM Remediations Inc

Job Number: 280-30334-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125624

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-30334-1	Analysis Batch:	280-125624	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 1137			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30334-1	Analysis Batch:	280-125624	Instrument ID:	WC_HACH SPEC
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/26/2012 1137			Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chemical Oxygen Demand	95	95	90 - 110	0	11		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-125624

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	280-30334-1	Units:	mg/L	MSD Lab Sample ID:	280-30334-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/26/2012 1137			Analysis Date:	06/26/2012 1137
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chemical Oxygen Demand	7.0	J	50.0	50.0	54.7	54.7

Client: FPM Remediations Inc

Job Number: 280-30334-1

Method Blank - Batch: 280-125527

Method: 9056A
Preparation: N/A

Lab Sample ID:	MB 280-125527/7	Analysis Batch:	280-125527	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	116.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1033	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Nitrate as N	0.10	U	0.042	0.50
Nitrite as N	0.10	U	0.049	0.50
Nitrate Nitrite as N	0.10	U	0.042	0.50
Orthophosphate as P	0.20	U	0.19	0.50

Method Reporting Limit Check - Batch: 280-125527

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-125527/3	Analysis Batch:	280-125527	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	112.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 0912	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate as N	0.500	0.502	100	50 - 150	
Nitrite as N	0.500	0.494	99	50 - 150	J
Orthophosphate as P	0.500	0.510	102	50 - 150	

Client: FPM Remediations Inc

Job Number: 280-30334-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125527

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125527/5	Analysis Batch:	280-125527	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 0945	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125527/6	Analysis Batch:	280-125527	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	115.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1002	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrate as N	102	102	87 - 110	0	10		
Nitrite as N	98	98	87 - 112	0	10		
Orthophosphate as P	95	96	90 - 110	2	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125527

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125527/5	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125527/6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/22/2012 0945			Analysis Date:	06/22/2012 1002
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Nitrate as N	5.00	5.00	5.09	5.10
Nitrite as N	5.00	5.00	4.91	4.90
Orthophosphate as P	5.00	5.00	4.73	4.81

Client: FPM Remediations Inc

Job Number: 280-30334-1

Duplicate - Batch: 280-125527

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30334-4	Analysis Batch:	280-125527	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	134.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1640	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Nitrate as N	0.079	J	0.0430	59	15	J
Nitrite as N	0.10	U	0.10	NC	15	U
Orthophosphate as P	0.20	U	0.20	NC	15	U

Client: FPM Remediations Inc

Job Number: 280-30334-1

Method Blank - Batch: 280-125528

Method: 9056A
Preparation: N/A

Lab Sample ID:	MB 280-125528/7	Analysis Batch:	280-125528	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	116.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1033	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Bromide	0.20	U	0.11	0.50
Chloride	0.50	U	0.25	3.0
Fluoride	0.10	U	0.060	1.0
Sulfate	0.50	U	0.23	5.0

Method Reporting Limit Check - Batch: 280-125528

Method: 9056A
Preparation: N/A

Lab Sample ID:	MRL 280-125528/4	Analysis Batch:	280-125528	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	113.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 0928	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	0.200	0.224	112	50 - 150	
Chloride	1.00	1.06	106	50 - 150	J
Fluoride	0.200	0.188	94	50 - 150	J
Sulfate	1.00	0.862	86	50 - 150	J

Client: FPM Remediations Inc

Job Number: 280-30334-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125528

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125528/5	Analysis Batch:	280-125528	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	114.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 0945	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125528/6	Analysis Batch:	280-125528	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	115.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1002	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bromide	101	101	86 - 110	0	10		
Chloride	102	102	89 - 110	0	10		
Fluoride	103	103	88 - 111	0	10		
Sulfate	102	102	86 - 110	0	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125528

Method: 9056A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125528/5	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125528/6
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/22/2012 0945			Analysis Date:	06/22/2012 1002
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Bromide	5.00	5.00	5.04	5.05
Chloride	25.0	25.0	25.4	25.4
Fluoride	5.00	5.00	5.15	5.15
Sulfate	25.0	25.0	25.5	25.5

Client: FPM Remediations Inc

Job Number: 280-30334-1

Duplicate - Batch: 280-125528

Method: 9056A
Preparation: N/A

Lab Sample ID:	280-30334-4	Analysis Batch:	280-125528	Instrument ID:	WC_IC8
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	134.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/22/2012 1640	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Bromide	0.20	U	0.20	NC	15	U
Chloride	6.7		6.66	0.5	15	
Fluoride	0.074	J	0.0650	13	15	J
Sulfate	30		30.5	0.4	15	

Client: FPM Remediations Inc

Job Number: 280-30334-1

Method Blank - Batch: 280-128057

Method: 9060A
Preparation: N/A

Lab Sample ID:	MB 280-128057/34	Analysis Batch:	280-128057	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071612.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/17/2012 0345	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Total Organic Carbon - Quad	0.40	U	0.16	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-128057

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128057/32	Analysis Batch:	280-128057	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071612.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/17/2012 0304	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-128057/33	Analysis Batch:	280-128057	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071612.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/17/2012 0325	Units:	mg/L	Final Weight/Volume:	200 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon - Quad	98	98	86 - 114	0	12		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-128057

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128057/32	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-128057/33
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/17/2012 0304			Analysis Date:	07/17/2012 0325
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon - Quad	25.0	25.0	24.5	24.5

Client: FPM Remediations Inc

Job Number: 280-30334-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-128057

Method: 9060A
Preparation: N/A

MS Lab Sample ID:	280-30334-1	Analysis Batch:	280-128057	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071612.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/17/2012 0420			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	280-30334-1	Analysis Batch:	280-128057	Instrument ID:	WC_SHI2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	071612.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	07/17/2012 0438			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon - Quad	94	94	86 - 114	0	12		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-128057

Method: 9060A
Preparation: N/A

MS Lab Sample ID:	280-30334-1	Units:	mg/L	MSD Lab Sample ID:	280-30334-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/17/2012 0420			Analysis Date:	07/17/2012 0438
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon - Quad	2.0	25.0	25.0	25.5	25.6

Client: FPM Remediations Inc

Job Number: 280-30334-1

Method Blank - Batch: 280-126227

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	MB 280-126227/1	Analysis Batch:	280-126227	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/22/2012 1300	Units:	PCU	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Color	5.0	U	5.0	5.0

Duplicate - Batch: 280-126227

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	280-30334-1	Analysis Batch:	280-126227	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/22/2012 1300	Units:	PCU	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Color	5.0	U	5.0	NC	20	U

Client: FPM Remediations Inc

Job Number: 280-30334-1

Method Blank - Batch: 280-125394

Method: SM 2320B
Preparation: N/A

Lab Sample ID:	MB 280-125394/33	Analysis Batch:	280-125394	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062312.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/23/2012 1049	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Alkalinity	2.0	U	1.1	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125394

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125394/31	Analysis Batch:	280-125394	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062312.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/23/2012 1040	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125394/32	Analysis Batch:	280-125394	Instrument ID:	WC-AT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	062312.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	06/23/2012 1045	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Alkalinity	103	105	90 - 110	2	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125394

Method: SM 2320B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125394/31	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125394/32
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/23/2012 1040			Analysis Date:	06/23/2012 1045
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Alkalinity	200	200	206	211

Client: FPM Remediations Inc

Job Number: 280-30334-1

Method Blank - Batch: 280-128017

Method: SM 2340C
Preparation: N/A

Lab Sample ID:	MB 280-128017/1	Analysis Batch:	280-128017	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2012 0902	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hardness as calcium carbonate	1.5	U	1.3	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-128017

Method: SM 2340C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128017/2	Analysis Batch:	280-128017	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2012 0902	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-128017/3	Analysis Batch:	280-128017	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	07/17/2012 0902	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Hardness as calcium carbonate	99	99	90 - 110	1	10		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-128017

Method: SM 2340C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-128017/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-128017/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/17/2012 0902			Analysis Date:	07/17/2012 0902
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Hardness as calcium carbonate	403	403	398	400

Client: FPM Remediations Inc

Job Number: 280-30334-1

Method Blank - Batch: 280-125751

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 280-125751/1	Analysis Batch:	280-125751	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/27/2012 0819	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Total Dissolved Solids	10	U	4.7	10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125751

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125751/2	Analysis Batch:	280-125751	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/27/2012 0819	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125751/3	Analysis Batch:	280-125751	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	06/27/2012 0819	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	94	91	86 - 110	3	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125751

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125751/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125751/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/27/2012 0819			Analysis Date:	06/27/2012 0819
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	502	502	474	458

Client: FPM Remediations Inc

Job Number: 280-30334-1

Method Blank - Batch: 280-125222

Method: SM5210B
Preparation: N/A

Lab Sample ID:	MB 280-125222/6	Analysis Batch:	280-125222	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/22/2012 1155	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Biochemical Oxygen Demand	0.60	U	0.24	2.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-125222

Method: SM5210B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125222/4	Analysis Batch:	280-125222	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/22/2012 1155	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-125222/5	Analysis Batch:	280-125222	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/22/2012 1155	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Biochemical Oxygen Demand	101	104	85 - 115	2	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-125222

Method: SM5210B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-125222/4	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-125222/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/22/2012 1155			Analysis Date:	06/22/2012 1155
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Biochemical Oxygen Demand	198	198	200	205

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-30334-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-30334-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-126338					
LCS 280-126338/6	Lab Control Sample	T	Water	8260B/DoD	
MB 280-126338/7	Method Blank	T	Water	8260B/DoD	
280-30334-1	LF6SW0101QA	T	Water	8260B/DoD	
280-30334-1MS	Matrix Spike	T	Water	8260B/DoD	
280-30334-1MSD	Matrix Spike Duplicate	T	Water	8260B/DoD	
280-30334-2	LF6SW0201QA	T	Water	8260B/DoD	

Report Basis

T = Total

Client: FPM Remediations Inc

Job Number: 280-30334-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-125222					
LCS 280-125222/4	Lab Control Sample	T	Water	SM5210B	
LCSD 280-125222/5	Lab Control Sample Duplicate	T	Water	SM5210B	
MB 280-125222/6	Method Blank	T	Water	SM5210B	
280-30334-1	LF6SW0101QA	T	Water	SM5210B	
280-30334-2	LF6SW0201QA	T	Water	SM5210B	
280-30334-3	LF6LH0101QA	T	Water	SM5210B	
280-30334-4	LF6LH0201QA	T	Water	SM5210B	
Analysis Batch:280-125394					
LCS 280-125394/31	Lab Control Sample	T	Water	SM 2320B	
LCSD 280-125394/32	Lab Control Sample Duplicate	T	Water	SM 2320B	
MB 280-125394/33	Method Blank	T	Water	SM 2320B	
280-30334-1	LF6SW0101QA	T	Water	SM 2320B	
280-30334-2	LF6SW0201QA	T	Water	SM 2320B	
280-30334-3	LF6LH0101QA	T	Water	SM 2320B	
280-30334-4	LF6LH0201QA	T	Water	SM 2320B	
Analysis Batch:280-125527					
LCS 280-125527/5	Lab Control Sample	T	Water	9056A	
LCSD 280-125527/6	Lab Control Sample Duplicate	T	Water	9056A	
MB 280-125527/7	Method Blank	T	Water	9056A	
280-30334-1	LF6SW0101QA	T	Water	9056A	
280-30334-2	LF6SW0201QA	T	Water	9056A	
280-30334-3	LF6LH0101QA	T	Water	9056A	
280-30334-4	LF6LH0201QA	T	Water	9056A	
280-30334-4DU	Duplicate	T	Water	9056A	
Analysis Batch:280-125528					
LCS 280-125528/5	Lab Control Sample	T	Water	9056A	
LCSD 280-125528/6	Lab Control Sample Duplicate	T	Water	9056A	
MB 280-125528/7	Method Blank	T	Water	9056A	
280-30334-1	LF6SW0101QA	T	Water	9056A	
280-30334-2	LF6SW0201QA	T	Water	9056A	
280-30334-3	LF6LH0101QA	T	Water	9056A	
280-30334-4	LF6LH0201QA	T	Water	9056A	
280-30334-4DU	Duplicate	T	Water	9056A	

Client: FPM Remediations Inc

Job Number: 280-30334-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-125624					
LCS 280-125624/3	Lab Control Sample	T	Water	410.4	
LCSD 280-125624/4	Lab Control Sample Duplicate	T	Water	410.4	
MB 280-125624/5	Method Blank	T	Water	410.4	
280-30334-1	LF6SW0101QA	T	Water	410.4	
280-30334-1MS	Matrix Spike	T	Water	410.4	
280-30334-1MSD	Matrix Spike Duplicate	T	Water	410.4	
280-30334-2	LF6SW0201QA	T	Water	410.4	
280-30334-3	LF6LH0101QA	T	Water	410.4	
280-30334-4	LF6LH0201QA	T	Water	410.4	
Analysis Batch:280-125751					
LCS 280-125751/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 280-125751/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 280-125751/1	Method Blank	T	Water	SM 2540C	
280-30334-1	LF6SW0101QA	T	Water	SM 2540C	
280-30334-2	LF6SW0201QA	T	Water	SM 2540C	
280-30334-3	LF6LH0101QA	T	Water	SM 2540C	
280-30334-4	LF6LH0201QA	T	Water	SM 2540C	
Analysis Batch:280-126227					
MB 280-126227/1	Method Blank	T	Water	SM 2120B	
280-30334-1	LF6SW0101QA	T	Water	SM 2120B	
280-30334-1DU	Duplicate	T	Water	SM 2120B	
280-30334-2	LF6SW0201QA	T	Water	SM 2120B	
280-30334-3	LF6LH0101QA	T	Water	SM 2120B	
280-30334-4	LF6LH0201QA	T	Water	SM 2120B	
Analysis Batch:280-126890					
LCS 280-126890/43	Lab Control Sample	T	Water	350.1	
LCSD 280-126890/44	Lab Control Sample Duplicate	T	Water	350.1	
MB 280-126890/42	Method Blank	T	Water	350.1	
280-30334-1	LF6SW0101QA	T	Water	350.1	
280-30334-2	LF6SW0201QA	T	Water	350.1	
280-30334-3	LF6LH0101QA	T	Water	350.1	
280-30334-4	LF6LH0201QA	T	Water	350.1	

Client: FPM Remediations Inc

Job Number: 280-30334-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 280-127752					
LCS 280-127752/1-A	Lab Control Sample	T	Water	351.2	
LCSD 280-127752/2-A	Lab Control Sample Duplicate	T	Water	351.2	
MB 280-127752/3-A	Method Blank	T	Water	351.2	
280-30334-1	LF6SW0101QA	T	Water	351.2	
280-30334-1MS	Matrix Spike	T	Water	351.2	
280-30334-1MSD	Matrix Spike Duplicate	T	Water	351.2	
280-30334-2	LF6SW0201QA	T	Water	351.2	
280-30334-3	LF6LH0101QA	T	Water	351.2	
280-30334-4	LF6LH0201QA	T	Water	351.2	
Analysis Batch:280-127784					
LCS 280-127752/1-A	Lab Control Sample	T	Water	351.2	280-127752
LCSD 280-127752/2-A	Lab Control Sample Duplicate	T	Water	351.2	280-127752
MB 280-127752/3-A	Method Blank	T	Water	351.2	280-127752
280-30334-1	LF6SW0101QA	T	Water	351.2	280-127752
280-30334-1MS	Matrix Spike	T	Water	351.2	280-127752
280-30334-1MSD	Matrix Spike Duplicate	T	Water	351.2	280-127752
280-30334-2	LF6SW0201QA	T	Water	351.2	280-127752
280-30334-3	LF6LH0101QA	T	Water	351.2	280-127752
280-30334-4	LF6LH0201QA	T	Water	351.2	280-127752
Analysis Batch:280-128017					
LCS 280-128017/2	Lab Control Sample	T	Water	SM 2340C	
LCSD 280-128017/3	Lab Control Sample Duplicate	T	Water	SM 2340C	
MB 280-128017/1	Method Blank	T	Water	SM 2340C	
280-30334-1	LF6SW0101QA	T	Water	SM 2340C	
280-30334-2	LF6SW0201QA	T	Water	SM 2340C	
280-30334-3	LF6LH0101QA	T	Water	SM 2340C	
280-30334-4	LF6LH0201QA	T	Water	SM 2340C	
Analysis Batch:280-128057					
LCS 280-128057/32	Lab Control Sample	T	Water	9060A	
LCSD 280-128057/33	Lab Control Sample Duplicate	T	Water	9060A	
MB 280-128057/34	Method Blank	T	Water	9060A	
280-30334-1	LF6SW0101QA	T	Water	9060A	
280-30334-1MS	Matrix Spike	T	Water	9060A	
280-30334-1MSD	Matrix Spike Duplicate	T	Water	9060A	
280-30334-2	LF6SW0201QA	T	Water	9060A	
280-30334-3	LF6LH0101QA	T	Water	9060A	
280-30334-4	LF6LH0201QA	T	Water	9060A	

Report Basis

T = Total

Client: FPM Remediations Inc

Job Number: 280-30334-1

Laboratory Chronicle

Lab ID: 280-30334-1 **Client ID:** LF6SW0101QA

Sample Date/Time: 06/21/2012 12:10 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30334-F-1		280-126338		07/02/2012 10:04	1	TAL DEN	MD
A:8260B/DoD	280-30334-F-1		280-126338		07/02/2012 10:04	1	TAL DEN	MD
A:350.1	280-30334-A-1		280-126890		07/07/2012 11:57	1	TAL DEN	BQW
P:351.2	280-30334-C-1-A		280-127784	280-127752	07/12/2012 19:30	1	TAL DEN	MW
A:351.2	280-30334-C-1-A		280-127784	280-127752	07/13/2012 20:42	1	TAL DEN	MW
A:410.4	280-30334-C-1		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	280-30334-B-1		280-125527		06/22/2012 15:33	1	TAL DEN	TLP
A:9056A	280-30334-B-1		280-125528		06/22/2012 15:33	1	TAL DEN	TLP
A:9056A	280-30334-B-1		280-125528		06/22/2012 18:55	5	TAL DEN	TLP
A:9060A	280-30334-D-1		280-128057		07/17/2012 04:03	1	TAL DEN	DFB
A:SM 2120B	280-30334-A-1		280-126227		06/22/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30334-B-1		280-125394		06/23/2012 12:36	1	TAL DEN	BMG
A:SM 2340C	280-30334-E-1		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30334-A-1		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM5210B	280-30334-A-1		280-125222		06/22/2012 13:32	1	TAL DEN	DA

Lab ID: 280-30334-1 MS **Client ID:** LF6SW0101QA

Sample Date/Time: 06/21/2012 12:10 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30334-G-1 MS		280-126338		07/02/2012 11:12	1	TAL DEN	MD
A:8260B/DoD	280-30334-G-1 MS		280-126338		07/02/2012 11:12	1	TAL DEN	MD
P:351.2	280-30334-C-1-B MS		280-127784	280-127752	07/12/2012 19:30	1	TAL DEN	MW
A:351.2	280-30334-C-1-B MS		280-127784	280-127752	07/13/2012 20:43	1	TAL DEN	MW
A:410.4	280-30334-C-1 MS		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9060A	280-30334-D-1 MS		280-128057		07/17/2012 04:20	1	TAL DEN	DFB

Lab ID: 280-30334-1 MSD **Client ID:** LF6SW0101QA

Sample Date/Time: 06/21/2012 12:10 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30334-G-1 MSD		280-126338		07/02/2012 11:35	1	TAL DEN	MD
A:8260B/DoD	280-30334-G-1 MSD		280-126338		07/02/2012 11:35	1	TAL DEN	MD
P:351.2	280-30334-C-1-C MSD		280-127784	280-127752	07/12/2012 19:30	1	TAL DEN	MW
A:351.2	280-30334-C-1-C MSD		280-127784	280-127752	07/13/2012 20:44	1	TAL DEN	MW
A:410.4	280-30334-C-1 MSD		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9060A	280-30334-D-1 MSD		280-128057		07/17/2012 04:38	1	TAL DEN	DFB

Client: FPM Remediations Inc

Job Number: 280-30334-1

Laboratory Chronicle

Lab ID: 280-30334-1 DU **Client ID:** LF6SW0101QA

Sample Date/Time: 06/21/2012 12:10 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2120B	280-30334-A-1 DU		280-126227		06/22/2012 13:00	1	TAL DEN	DA

Lab ID: 280-30334-2 **Client ID:** LF6SW0201QA

Sample Date/Time: 06/21/2012 11:20 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30334-F-2		280-126338		07/02/2012 09:41	1	TAL DEN	MD
A:8260B/DoD	280-30334-F-2		280-126338		07/02/2012 09:41	1	TAL DEN	MD
A:350.1	280-30334-A-2		280-126890		07/07/2012 11:58	1	TAL DEN	BQW
P:351.2	280-30334-C-2-A		280-127784	280-127752	07/12/2012 19:30	1	TAL DEN	MW
A:351.2	280-30334-C-2-A		280-127784	280-127752	07/13/2012 20:50	1	TAL DEN	MW
A:410.4	280-30334-C-2		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	280-30334-B-2		280-125527		06/22/2012 15:50	1	TAL DEN	TLP
A:9056A	280-30334-B-2		280-125528		06/22/2012 15:50	1	TAL DEN	TLP
A:9056A	280-30334-B-2		280-125528		06/22/2012 19:11	5	TAL DEN	TLP
A:9060A	280-30334-D-2		280-128057		07/17/2012 04:59	1	TAL DEN	DFB
A:SM 2120B	280-30334-A-2		280-126227		06/22/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30334-B-2		280-125394		06/23/2012 12:41	1	TAL DEN	BMG
A:SM 2340C	280-30334-E-2		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30334-A-2		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM5210B	280-30334-A-2		280-125222		06/22/2012 13:33	1	TAL DEN	DA

Lab ID: 280-30334-3 **Client ID:** LF6LH0101QA

Sample Date/Time: 06/21/2012 10:40 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30334-A-3		280-126890		07/07/2012 12:00	1	TAL DEN	BQW
P:351.2	280-30334-C-3-A		280-127784	280-127752	07/12/2012 19:30	1	TAL DEN	MW
A:351.2	280-30334-C-3-A		280-127784	280-127752	07/13/2012 20:52	1	TAL DEN	MW
A:410.4	280-30334-C-3		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	280-30334-B-3		280-125527		06/22/2012 16:07	1	TAL DEN	TLP
A:9056A	280-30334-B-3		280-125528		06/22/2012 16:07	1	TAL DEN	TLP
A:9060A	280-30334-D-3		280-128057		07/17/2012 05:15	1	TAL DEN	DFB
A:SM 2120B	280-30334-A-3		280-126227		06/22/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30334-B-3		280-125394		06/23/2012 12:45	1	TAL DEN	BMG
A:SM 2340C	280-30334-E-3		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30334-A-3		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM5210B	280-30334-A-3		280-125222		06/22/2012 13:35	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30334-1

Laboratory Chronicle

Lab ID: 280-30334-4 **Client ID:** LF6LH0201QA

Sample Date/Time: 06/21/2012 11:40 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	280-30334-A-4		280-126890		07/07/2012 12:01	1	TAL DEN	BQW
P:351.2	280-30334-C-4-A		280-127784	280-127752	07/12/2012 19:30	1	TAL DEN	MW
A:351.2	280-30334-C-4-A		280-127784	280-127752	07/13/2012 20:53	1	TAL DEN	MW
A:410.4	280-30334-C-4		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	280-30334-B-4		280-125527		06/22/2012 16:23	1	TAL DEN	TLP
A:9056A	280-30334-B-4		280-125528		06/22/2012 16:23	1	TAL DEN	TLP
A:9060A	280-30334-D-4		280-128057		07/17/2012 06:09	1	TAL DEN	DFB
A:SM 2120B	280-30334-A-4		280-126227		06/22/2012 13:00	1	TAL DEN	DA
A:SM 2320B	280-30334-B-4		280-125394		06/23/2012 12:50	1	TAL DEN	BMG
A:SM 2340C	280-30334-E-4		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	280-30334-A-4		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM5210B	280-30334-A-4		280-125222		06/22/2012 13:40	1	TAL DEN	DA

Lab ID: 280-30334-4 DU **Client ID:** LF6LH0201QA

Sample Date/Time: 06/21/2012 11:40 Received Date/Time: 06/22/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9056A	280-30334-B-4 DU		280-125527		06/22/2012 16:40	1	TAL DEN	TLP
A:9056A	280-30334-B-4 DU		280-125528		06/22/2012 16:40	1	TAL DEN	TLP

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 280-126338/7		280-126338		07/02/2012 08:56	1	TAL DEN	MD
A:8260B/DoD	MB 280-126338/7		280-126338		07/02/2012 08:56	1	TAL DEN	MD
A:350.1	MB 280-126890/42		280-126890		07/07/2012 11:17	1	TAL DEN	BQW
P:351.2	MB 280-127752/3-A		280-127784	280-127752	07/12/2012 19:30	1	TAL DEN	MW
A:351.2	MB 280-127752/3-A		280-127784	280-127752	07/13/2012 20:40	1	TAL DEN	MW
A:410.4	MB 280-125624/5		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	MB 280-125527/7		280-125527		06/22/2012 10:33	1	TAL DEN	TLP
A:9056A	MB 280-125528/7		280-125528		06/22/2012 10:33	1	TAL DEN	TLP
A:9060A	MB 280-128057/34		280-128057		07/17/2012 03:45	1	TAL DEN	DFB
A:SM 2120B	MB 280-126227/1		280-126227		06/22/2012 13:00	1	TAL DEN	DA
A:SM 2320B	MB 280-125394/33		280-125394		06/23/2012 10:49	1	TAL DEN	BMG
A:SM 2340C	MB 280-128017/1		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	MB 280-125751/1		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM5210B	MB 280-125222/6		280-125222		06/22/2012 11:55	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30334-1

Laboratory Chronicle

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-126338/6		280-126338		07/02/2012 08:34	1	TAL DEN	MD
A:8260B/DoD	LCS 280-126338/6		280-126338		07/02/2012 08:34	1	TAL DEN	MD
A:350.1	LCS 280-126890/43		280-126890		07/07/2012 11:19	1	TAL DEN	BQW
P:351.2	LCS 280-127752/1-A		280-127784	280-127752	07/12/2012 19:30	1	TAL DEN	MW
A:351.2	LCS 280-127752/1-A		280-127784	280-127752	07/13/2012 20:38	1	TAL DEN	MW
A:410.4	LCS 280-125624/3		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	LCS 280-125527/5		280-125527		06/22/2012 09:45	1	TAL DEN	TLP
A:9056A	LCS 280-125528/5		280-125528		06/22/2012 09:45	1	TAL DEN	TLP
A:9060A	LCS 280-128057/32		280-128057		07/17/2012 03:04	1	TAL DEN	DFB
A:SM 2320B	LCS 280-125394/31		280-125394		06/23/2012 10:40	1	TAL DEN	BMG
A:SM 2340C	LCS 280-128017/2		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	LCS 280-125751/2		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM5210B	LCS 280-125222/4		280-125222		06/22/2012 11:55	1	TAL DEN	DA

Lab ID: LCSD **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	LCSD 280-126890/44		280-126890		07/07/2012 11:20	1	TAL DEN	BQW
P:351.2	LCSD 280-127752/2-A		280-127784	280-127752	07/12/2012 19:30	1	TAL DEN	MW
A:351.2	LCSD 280-127752/2-A		280-127784	280-127752	07/13/2012 20:39	1	TAL DEN	MW
A:410.4	LCSD 280-125624/4		280-125624		06/26/2012 11:37	1	TAL DEN	MF
A:9056A	LCSD 280-125527/6		280-125527		06/22/2012 10:02	1	TAL DEN	TLP
A:9056A	LCSD 280-125528/6		280-125528		06/22/2012 10:02	1	TAL DEN	TLP
A:9060A	LCSD 280-128057/33		280-128057		07/17/2012 03:25	1	TAL DEN	DFB
A:SM 2320B	LCSD 280-125394/32		280-125394		06/23/2012 10:45	1	TAL DEN	BMG
A:SM 2340C	LCSD 280-128017/3		280-128017		07/17/2012 09:02	1	TAL DEN	AJA
A:SM 2540C	LCSD 280-125751/3		280-125751		06/27/2012 08:19	1	TAL DEN	BJD
A:SM5210B	LCSD 280-125222/5		280-125222		06/22/2012 11:55	1	TAL DEN	DA

Lab ID: MRL **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:350.1	MRL 280-126890/18		280-126890		07/07/2012 10:41	1	TAL DEN	BQW
A:9056A	MRL 280-125527/3		280-125527		06/22/2012 09:12	1	TAL DEN	TLP
A:9056A	MRL 280-125528/4		280-125528		06/22/2012 09:28	1	TAL DEN	TLP

Lab References:

TAL DEN = TestAmerica Denver

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Alk daily lcs_00252	06/24/12	06/23/12	Di Water, Lot na	1000 mL	Alk stk std_00003	4 mg/L	Alkalinity	200 mg/L
.Alk stk std_00003	02/01/13	Fischer, Lot 110214			(Purchased Reagent)		Alkalinity	50 g/L
BOD Daily LCS_00526	06/22/12	06/22/12	BOD Dilution H20, Lot na	300 mL	BOD LCS INT_00498	6 mg/L	Biochemical Oxygen Demand	198 mg/L
.BOD LCS INT_00498	06/22/12	06/22/12	Di Water, Lot na	1000 mL	BOD Dextrose_00006	4.95 mg/L	Biochemical Oxygen Demand	9900 mg/L
					BOD Glutamic_00008	4.95 mg/L	Biochemical Oxygen Demand	9900 mg/L
..BOD Dextrose_00006	07/31/12	Fisher, Lot 110346			(Purchased Reagent)		Biochemical Oxygen Demand	1 g/g
..BOD Glutamic_00008	11/16/16	Fisher, Lot 103647a			(Purchased Reagent)		Biochemical Oxygen Demand	1 g/g
COD cal std_00014	10/31/13	Ricca, Lot 1204273			(Purchased Reagent)		Chemical Oxygen Demand	1000 mg/L
COD icv std_00009	05/31/13	HACH, Lot A2132			(Purchased Reagent)		Chemical Oxygen Demand	1000 mg/L
cod ms/msd_00006	02/01/13	Chemetrics, Lot 78777			(Purchased Reagent)		Chemical Oxygen Demand	10000 mg/L
Hard lcs std_00022	01/19/14	Lab Chem, Lot B017-22			(Purchased Reagent)		Hardness as calcium carbonate	1.008 mg/mL
IC CAL INT1_00159	06/26/12	06/19/12	Di Water, Lot na	100 mL	IC Br cal_00005	5 mL	Bromide	50 mg/L
					IC CL cal_00008	25 mL	Chloride	250 mg/L
					IC FL cal_00004	5 mL	Fluoride	50 mg/L
					IC N02 CAL_00020	5 mL	Nitrite as N	50 mg/L
					IC N03 cal_00008	5 mL	Nitrate as N	50 mg/L
					IC P04 cal_00008	5 mL	Orthophosphate as P	50 mg/L
					IC sulfatecal_00007	25 mL	Sulfate	250 mg/L
.IC Br cal_00005	07/30/12	Ricca, Lot 4101497			(Purchased Reagent)		Bromide	1000 mg/L
.IC CL cal_00008	09/30/12	Ricca, Lot 1103357			(Purchased Reagent)		Chloride	1000 mg/L
.IC FL cal_00004	11/30/12	Ricca, Lot 4106066			(Purchased Reagent)		Fluoride	1000 mg/L
.IC N02 CAL_00020	08/31/12	RICCA, Lot 1202582			(Purchased Reagent)		Nitrite as N	1000 ppm
.IC N03 cal_00008	11/30/12	Ricca, Lot 1105365			(Purchased Reagent)		Nitrate as N	1000 mg/L
.IC P04 cal_00008	09/30/13	Ricca, Lot 4110047			(Purchased Reagent)		Orthophosphate as P	1000 mg/L
.IC sulfatecal_00007	01/31/13	RICCA, Lot 2108045			(Purchased Reagent)		Sulfate	1000 mg/L
IC daily cal_00821	06/23/12	06/22/12	Di Water, Lot na	100 mL	IC CAL INT1_00159	10 mL	Bromide	5 mg/L
							Chloride	25 mg/L
							Fluoride	5 mg/L
							Nitrite as N	5 mg/L
							Nitrate as N	5 mg/L
							Orthophosphate as P	5 mg/L
							Sulfate	25 mg/L
.IC CAL INT1_00159	06/26/12	06/19/12	Di Water, Lot na	100 mL	IC Br cal_00005	5 mL	Bromide	50 mg/L
					IC CL cal_00008	25 mL	Chloride	250 mg/L
					IC FL cal_00004	5 mL	Fluoride	50 mg/L
					IC N02 CAL_00020	5 mL	Nitrite as N	50 mg/L
					IC N03 cal_00008	5 mL	Nitrate as N	50 mg/L
					IC P04 cal_00008	5 mL	Orthophosphate as P	50 mg/L
					IC sulfatecal_00007	25 mL	Sulfate	250 mg/L
..IC Br cal_00005	07/30/12	Ricca, Lot 4101497			(Purchased Reagent)		Bromide	1000 mg/L
..IC CL cal_00008	09/30/12	Ricca, Lot 1103357			(Purchased Reagent)		Chloride	1000 mg/L
..IC FL cal_00004	11/30/12	Ricca, Lot 4106066			(Purchased Reagent)		Fluoride	1000 mg/L
..IC N02 CAL_00020	08/31/12	RICCA, Lot 1202582			(Purchased Reagent)		Nitrite as N	1000 ppm
..IC N03 cal_00008	11/30/12	Ricca, Lot 1105365			(Purchased Reagent)		Nitrate as N	1000 mg/L
..IC P04 cal_00008	09/30/13	Ricca, Lot 4110047			(Purchased Reagent)		Orthophosphate as P	1000 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..IC sulfatecal_00007	01/31/13		RICCA, Lot 2108045		(Purchased Reagent)		Sulfate	1000 mg/L
IC ICV daily_00821	06/23/12	06/22/12	Di Water, Lot na	25 mL	IC ICV weekly_00153	1 mL	Bromide	2 mg/L
							Chloride	10 mg/L
							Fluoride	2 mg/L
							Nitrite as N	2 mg/L
							Nitrate as N	2 mg/L
							Orthophosphate as P	2 mg/L
							Sulfate	10 mg/L
.IC ICV weekly_00153	06/26/12	06/19/12	Di Water, Lot na	10 mL	IC BR ICV_00005	0.5 mL	Bromide	50 mg/L
					IC CL ICV_00004	2.5 mL	Chloride	250 mg/L
					IC F ICV_00003	0.5 mL	Fluoride	50 mg/L
					IC NO2 ICV_00004	0.5 mL	Nitrite as N	50 mg/L
					IC NO3 ICV_00003	0.5 mL	Nitrate as N	50 mg/L
					IC PO4 ICV_00006	0.5 mL	Orthophosphate as P	50 mg/L
					IC SO4 ICV_00004	2.5 mL	Sulfate	250 mg/L
..IC BR ICV_00005	02/28/13		SPEX, Lot 2-89br-2		(Purchased Reagent)		Bromide	1000 mg/L
..IC CL ICV_00004	07/15/13		LAB CHEM, Lot A195-13		(Purchased Reagent)		Chloride	1000 mg/L
..IC F ICV_00003	06/28/12		LAB CHEM, Lot 0169-19		(Purchased Reagent)		Fluoride	1000 mg/L
..IC NO2 ICV_00004	06/29/13		ERA, Lot 250611		(Purchased Reagent)		Nitrite as N	1000 mg/L
..IC NO3 ICV_00003	11/09/12		LAB CHEM, Lot 0312-12		(Purchased Reagent)		Nitrate as N	1000 mg/L
..IC PO4 ICV_00006	01/17/13		LAB CHEM, Lot A014-13		(Purchased Reagent)		Orthophosphate as P	1000 mg/L
..IC SO4 ICV_00004	07/15/13		LAB CHEM, Lot A195-12		(Purchased Reagent)		Sulfate	1000 mg/L
MV-2 Cleve_00012	10/28/12	04/28/12	P&T Methanol, Lot DE977	10 mL	MV-30265_00015	200 uL	2-Chloroethyl vinyl ether	40 ug/mL
.MV-30265_00015	01/31/16		RESTEK, Lot A079020		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
MV-524 A_00014	09/30/12	03/14/12	Methanol, Lot df233	10 mL	MV-DWM589N_00041	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-EPA1208_00027	400 uL	1-Chlorohexane	40 ug/mL
					MV-STS440_00035	200 uL	Methyl tert-butyl ether	40 ug/mL
.MV-DWM589N_00041	12/31/13	Ultra Scientific, Lot CG-3928			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-EPA1208_00027	10/31/12	Ultra Scientific, Lot CF-3752			(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
.MV-STS440_00035	01/31/15	Ultra, Lot cc-4444			(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
MV-624 A_00018	12/19/12	06/19/12	Methanol, Lot DF369	10 mL	MV-30462_00012	0.2 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
					MV-567117_00001	0.2 mL	Carbon disulfide	40 ug/mL
.MV-30462_00012	11/30/13	Restek, Lot A077815			(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
.MV-567117_00001	05/31/14	RESTEK, Lot A088372			(Purchased Reagent)		Carbon disulfide	2000 ug/mL
MV-Acetates_00001	09/30/12	06/21/12	P&T Methanol, Lot DG256	10 mL	MV-cus14016_00001	200 uL	Methyl acetate	200 ug/mL
.MV-cus14016_00001	09/30/12	ULTRA, Lot CJ-2028			(Purchased Reagent)		Methyl acetate	10000 ug/mL
MV-Archon IS_00519	11/04/12	Supelco, Lot LB88967			(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
MV-Archon SS_00657	12/11/12	Restek, Lot A087857			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene-d8 (Surr)	250 ug/mL
MV-Archon SS_00664	12/29/12		Restek, Lot A087857		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
MV-Main GasKe_00029	06/22/12	05/22/12	P&T Methanol, Lot DF369	10 mL	MV- Acrolein_00010	100 uL	Acrolein	397.818 ug/mL
					MV-5M06036_00033	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-861149_00048	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
					MV-861149_00049	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
.MV- Acrolein_00010	06/22/12	12/22/11	P&T Methanol, Lot De997	5 mL	MV-48501_00005	0.2038 g	Acrolein	39781.8 ug/mL
..MV-48501_00005	06/30/12		Supelco, Lot LB85669v		(Purchased Reagent)		Acrolein	0.976 mL/mL
.MV-5M06036_00033	11/30/12		Supelco, Lot LB86965		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-861149_00048	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
.MV-861149_00049	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
MV-Main GasKe_00031	07/30/12	05/22/12	P&T Methanol, Lot DF369	10 mL	MV-5M06036_00033	200 uL	Chloromethane	40 ug/mL
.MV-5M06036_00033	11/30/12		Supelco, Lot LB86965		(Purchased Reagent)		Chloromethane	2000 ug/mL
MV-Main_00023	06/30/12	01/25/12	P&T Methanol, Lot de997	10 mL	MV-1-Ch Hex_00008	10.2 uL	1-Chlorohexane	39.944 ug/mL
					MV-502111_00024	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloroethene, Total	80 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
							Xylenes, Total	120 ug/mL
					280-572252_00025	200 uL	Iodomethane	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MV-861145_00020	200 uL	2-Chloro-1,3-butadiene	40 ug/mL
					MV-CUS11338_00029	500 uL	1,4-Dioxane	2000 ug/mL
							2-Methyl-2-propanol	800 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Isobutyl alcohol	800 ug/mL
							Isopropyl ether	200 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
					MV-CUS11338_00030	500 uL	1,4-Dioxane	2000 ug/mL
							2-Methyl-2-propanol	800 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Isobutyl alcohol	800 ug/mL
							Isopropyl ether	200 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
.MV-1-Ch Hex_00008	07/25/12	01/25/12	P&T Methanol, Lot dd946	5 mL	MV-442258_00002	0.196 g	1-Chlorohexane	39160.8 ug/mL
..MV-442258_00002	07/31/13		Supelco, Lot LB77927		(Purchased Reagent)		1-Chlorohexane	0.999 mL/mL
.MV-502111_00024	04/30/13		Supelco, Lot LB83949		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	6000 ug/mL
.MV-506052_00025	01/31/13		Supelco, Lot LB89742		(Purchased Reagent)		Iodomethane	2000 ug/mL
.MV-861145_00020	06/30/12		Supelco, Lot LB85068		(Purchased Reagent)		2-Chloro-1,3-butadiene	2000 ug/mL
.MV-CUS11338_00029	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							2-Methyl-2-propanol	8000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Ethanol	20000 ug/mL
							Isobutyl alcohol	8000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	4000 ug/mL
							Propionitrile	4000 ug/mL
.MV-CUS11338_00030	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							2-Methyl-2-propanol	8000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Ethanol	20000 ug/mL
							Isobutyl alcohol	8000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	4000 ug/mL
							Propionitrile	4000 ug/mL
MV-Main_00024	12/22/12	06/22/12	P&T Methanol, Lot dg256	10 mL	MV-1-Ch Hex_00009	10 uL	1-Chlorohexane	40.999 ug/mL
					MV-502111_00025	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MV-CUS11338_00033	500 uL	1,4-Dioxane	2000 ug/mL
					MV-CUS11338_00034	500 uL	1,4-Dioxane	2000 ug/mL
.MV-1-Ch Hex_00009	12/22/12	06/22/12	P&T Methanol, Lot dg256	5 mL	MV-442258_00003	0.2052 g	1-Chlorohexane	40999 ug/mL
..MV-442258_00003	11/30/14		Supelco, Lot LB89038v		(Purchased Reagent)		1-Chlorohexane	0.999 mL/mL
.MV-502111_00025	04/30/13		Supelco, Lot LB83949		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-CUS11338_00033	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
.MV-CUS11338_00034	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
MV-SecSrc B_00007	10/18/12	04/18/12	P&T Methanol, Lot df233	5 mL	MV-8240CR310x_00014	100 uL	1,4-Dioxane	800 ug/mL
.MV-8240CR310x_00014	10/25/13		AccuStandard, Lot 210041266		(Purchased Reagent)		1,4-Dioxane	40000 ug/mL
MV-SS GasKe_00020	12/01/12	06/01/12	P&T Methanol, Lot De997	10 mL	MV-30006_00035	320 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-5s06036_00018	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MV-30006_00035	04/30/14		Restek, Lot A079446		(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
.MV-5s06036_00018	02/28/15		Supelco, Lot LB92231		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MV-SS Supp_00011	05/20/12	02/17/12	P&T Methanol, Lot de997	5 mL	MV-562811_00013	100 uL	Methyl acetate	200 ug/mL
					MV-564150_00011	100 uL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
.MV-562811_00013	07/31/13		RESTEK, Lot A086189		(Purchased Reagent)		Methyl acetate	10000 ug/mL
.MV-564150_00011	05/30/12		RESTEK, Lot A081643		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
MV-Supp Std_00023	12/19/12	05/17/12	P&T Methanol, Lot DF700	10 mL	MV-562811_00013	200 uL	Ethyl acetate	80 ug/mL
							Methyl acetate	200 ug/mL
							Vinyl acetate	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MV-564150_00012	200 uL	1,1,1-Trifluoro-2,2-dichloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							2-Nitropropane	40 ug/mL
							2-Pentanone	160 ug/mL
							3-Chloro-1-propene	40 ug/mL
							Carbon disulfide	40 ug/mL
							cis-1,4-Dichloro-2-butene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dichlorofluoromethane	40 ug/mL
							Ethyl ether	40 ug/mL
							Ethyl methacrylate	80 ug/mL
							Hexane	40 ug/mL
							Isopropyl alcohol	800 ug/mL
							Methyl methacrylate	80 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							Tert-amyl methyl ether	200 ug/mL
							Tert-butyl ethyl ether	200 ug/mL
							Tetrahydrofuran	80 ug/mL
							trans-1,4-Dichloro-2-butene	40 ug/mL
					MV-565364_00010	1000 uL	Propene oxide	2000 ug/mL
					MV-565364_00012	1000 uL	Propene oxide	2000 ug/mL
					MV-CUS13060_00013	240 uL	sec-Butyl Alcohol	1205.76 ug/mL
.MV-562811_00013	07/31/13		RESTEK, Lot A086189		(Purchased Reagent)		Ethyl acetate	4000 ug/mL
							Methyl acetate	10000 ug/mL
							Vinyl acetate	4000 ug/mL
.MV-564150_00012	01/30/13		RESTEK, Lot A086228		(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							2-Nitropropane	2000 ug/mL
							2-Pentanone	8000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							cis-1,4-Dichloro-2-butene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	4000 ug/mL
							Hexane	2000 ug/mL
							Isopropyl alcohol	40000 ug/mL
							Methyl methacrylate	4000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Tert-amyl methyl ether	10000 ug/mL
							Tert-butyl ethyl ether	10000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
.MV-565364_00010	02/28/13		RESTEK, Lot A086529		(Purchased Reagent)		Propene oxide	10000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MV-565364_00012	02/28/13	RESTEK, Lot A086529			(Purchased Reagent)		Propene oxide	10000 ug/mL
.MV-CUS13060_00013	05/31/13	Ultra, Lot CH-1383			(Purchased Reagent)		sec-Butyl Alcohol	50240 ug/mL
MV-Supp Std_00025	10/02/12	06/19/12	P&T Methanol, Lot DF700	10 mL	MV-CUS14015_00001	200 uL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
.MV-CUS14015_00001	07/31/13	Ultra, Lot CJ-2219			(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
NXN CAL INT_00154	07/09/12	07/02/12	Di Water, Lot NA	100 mL	NH3 CAL STD_00014	10 mg/L	Ammonia	100 mg/L
.NH3 CAL STD_00014	02/28/13	Ricca, Lot 1108313			(Purchased Reagent)		Ammonia	1000 mg/L
NXN ICV INT_00148	07/09/12	07/02/12	Di Water, Lot NA	100 mL	NH3 ICV STD_00011	10 mg/L	Ammonia	100 mg/L
.NH3 ICV STD_00011	01/27/14	LAB CHEM, Lot b025-07			(Purchased Reagent)		Ammonia	1000 mg/L
TDS LCS_00279	09/25/12	06/25/12	Di Water, Lot na	1000 mL	NaCl f_00004	0.5018 g	Total Dissolved Solids	501.8 mg/L
.NaCl f_00004	04/14/21	JT Baker, Lot J48622			(Purchased Reagent)		Total Dissolved Solids	1 g/g
TKN 25ppm_00097	07/12/12	07/11/12	Di Water, Lot 1	100 mL	TKN 100PPM_00008	25 mL	Nitrogen, Kjeldahl	25 mg/L
.TKN 100PPM_00008	08/16/12	06/16/12	Di Water, Lot 1	500 mL	TKN CAL STD_00003	50 mL	Nitrogen, Kjeldahl	100 mg/L
..TKN CAL STD_00003	06/24/13	Lab Chem, Lot A174-20			(Purchased Reagent)		Nitrogen, Kjeldahl	1000 mg/L
TKN 25ppm_00098	07/13/12	07/12/12	Di Water, Lot 1	100 mL	TKN 100PPM_00008	25 mL	Nitrogen, Kjeldahl	25 mg/L
.TKN 100PPM_00008	08/16/12	06/16/12	Di Water, Lot 1	500 mL	TKN CAL STD_00003	50 mL	Nitrogen, Kjeldahl	100 mg/L
..TKN CAL STD_00003	06/24/13	Lab Chem, Lot A174-20			(Purchased Reagent)		Nitrogen, Kjeldahl	1000 mg/L
TKN ICV_00003	12/31/14	ERA, Lot P200-525			(Purchased Reagent)		Nitrogen, Kjeldahl	9.92 mg/L
TOC ICV Std_00012	01/31/13	Ricca, Lot 1201330			(Purchased Reagent)		Total Organic Carbon - Quad	1000 ppm
TOC LCS Std_00013	11/30/13	Ultra Scientific, Lot M01122			(Purchased Reagent)		Total Organic Carbon - Quad	1000 ppm

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB LF6 LTM

TestAmerica Job ID: 280-30334-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alabama	State Program	4	40730
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAC	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAC	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAC	7	E-10166
TestAmerica Denver	Louisiana	NELAC	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAC	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Hampshire	NELAC	1	205310
TestAmerica Denver	New Jersey	NELAC	2	CO004
TestAmerica Denver	New Mexico	State Program	6	N/A
TestAmerica Denver	New York	NELAC	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAC	10	CO200001
TestAmerica Denver	Pennsylvania	NELAC	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Tennessee	State Program	4	TN02944
TestAmerica Denver	Texas	NELAC	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-08-00036
TestAmerica Denver	Utah	NELAC	8	QUAN5
TestAmerica Denver	Virginia	NELAC	3	
TestAmerica Denver	Washington	State Program	10	C1284
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
LF6SW0101QA	280-30334-1	87	78	103	96
LF6SW0201QA	280-30334-2	83 Q	73	100	94
	MB 280-126338/7	91	86	106	98
	LCS 280-126338/6	90	83	100	89
LF6SW0101QA MS	280-30334-1 MS	94	85	108	94
LF6SW0101QA MSD	280-30334-1 MSD	89	83	99	88

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6862.D

Lab ID: LCS 280-126338/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.44	89	80-130	
1,1,1-Trichloroethane	5.00	4.14	83	65-130	
1,2,3-Trichloropropane	5.00	4.69	94	75-125	
1,2,3-Trichlorobenzene	5.00	4.45	89	55-140	
1,1-Dichloroethane	5.00	4.55	91	70-135	
1,2,4-Trichlorobenzene	5.00	4.42	88	65-135	
1,2-Dibromo-3-Chloropropane	5.00	4.42 J	88	50-130	
1,1-Dichloropropene	5.00	4.53	91	75-130	
1,1-Dichloroethene	5.00	4.74	95	70-130	
1,1,2-Trichloroethane	5.00	4.67	93	75-125	
1,1,2,2-Tetrachloroethane	5.00	4.55	91	65-130	
1,2,4-Trimethylbenzene	5.00	4.42	88	75-130	
1,2-Dichlorobenzene	5.00	4.59	92	70-120	
1,2-Dichloroethane	5.00	4.76	95	70-130	
1,3-Dichlorobenzene	5.00	4.60	92	75-125	
1,3-Dichloropropane	5.00	4.55	91	75-125	
1,3,5-Trimethylbenzene	5.00	4.51	90	75-130	
2-Butanone (MEK)	20.0	28.0	140	30-150	
1,4-Dichlorobenzene	5.00	4.58	92	75-125	
1,2-Dichloropropane	5.00	4.61	92	75-125	
2,2-Dichloropropane	5.00	4.36	87	70-135	
2-Hexanone	20.0	22.4	112	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	22.0	110	60-135	
4-Isopropyltoluene	5.00	4.53	91	75-130	
Benzene	5.00	4.47	89	80-120	
Acetone	20.0	23.2	116	40-140	
Bromobenzene	5.00	4.60	92	75-125	
Bromoform	5.00	4.55	91	70-130	
Bromomethane	5.00	4.95	99	30-145	
Carbon tetrachloride	5.00	4.29	86	65-140	
Carbon disulfide	5.00	4.43	89	35-160	
2-Chlorotoluene	5.00	4.70	94	75-125	
4-Chlorotoluene	5.00	4.80	96	75-130	
Chlorobenzene	5.00	4.48	90	80-120	
Chlorobromomethane	5.00	4.47	89	65-130	
Chlorodibromomethane	5.00	4.49	90	60-135	
Chloroform	5.00	4.23	85	65-135	
Chloroethane	5.00	4.41	88	60-135	
Chloromethane	5.00	4.55	91	40-125	
cis-1,2-Dichloroethene	5.00	4.52	90	70-125	
cis-1,3-Dichloropropene	5.00	4.38	88	70-130	
Dibromomethane	5.00	4.48	90	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6862.D

Lab ID: LCS 280-126338/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorobromomethane	5.00	4.31	86	75-120	
Dichlorodifluoromethane	5.00	4.47	89	30-155	
Ethylbenzene	5.00	4.75	95	75-125	
Hexachlorobutadiene	5.00	4.29	86	50-140	
Isopropylbenzene	5.00	4.60	92	75-125	
Ethylene Dibromide	5.00	4.55	91	80-120	
Methylene Chloride	5.00	4.55 J	91	55-140	
Methyl tert-butyl ether	5.00	4.29 J	86	65-125	
m-Xylene & p-Xylene	10.0	9.26	93	75-130	
Naphthalene	5.00	4.29	86	55-140	
n-Butylbenzene	5.00	4.65	93	70-135	
N-Propylbenzene	5.00	4.70	94	70-130	
o-Xylene	5.00	4.67	93	80-120	
Styrene	5.00	4.39	88	65-135	
sec-Butylbenzene	5.00	4.69	94	70-125	
tert-Butylbenzene	5.00	4.55	91	70-130	
trans-1,2-Dichloroethene	5.00	4.54	91	60-140	
trans-1,3-Dichloropropene	5.00	4.45	89	55-140	
Tetrachloroethene	5.00	4.59	92	45-150	
Toluene	5.00	4.55	91	75-120	
Trichloroethene	5.00	4.59	92	70-125	
Trichlorofluoromethane	5.00	4.81	96	60-145	
Vinyl chloride	5.00	4.60	92	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6869.D

Lab ID: 280-30334-1 MS Client ID: LF6SW0101QA MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	0.20 U	4.53	91	80-130	
1,1,1-Trichloroethane	5.00	0.20 U	4.18	84	65-130	
1,2,3-Trichloropropane	5.00	0.80 U	5.19	104	75-125	
1,2,3-Trichlorobenzene	5.00	0.40 U	4.61	92	55-140	
1,1-Dichloroethane	5.00	0.20 U	4.69	94	70-135	
1,2,4-Trichlorobenzene	5.00	0.80 U	4.47	89	65-135	
1,2-Dibromo-3-Chloropropane	5.00	1.6 U	4.97 J	99	50-130	
1,1-Dichloropropene	5.00	0.40 U	4.44	89	75-130	
1,1-Dichloroethene	5.00	0.20 U	4.79	96	70-130	
1,1,2-Trichloroethane	5.00	0.40 U	4.93	99	75-125	
1,1,2,2-Tetrachloroethane	5.00	0.40 U	4.93	99	65-130	
1,2,4-Trimethylbenzene	5.00	0.20 U	4.74	95	75-130	
1,2-Dichlorobenzene	5.00	0.20 U	4.88	98	70-120	
1,2-Dichloroethane	5.00	0.20 U	4.66	93	70-130	
1,3-Dichlorobenzene	5.00	0.20 U	4.85	97	75-125	
1,3-Dichloropropane	5.00	0.20 U	4.86	97	75-125	
1,3,5-Trimethylbenzene	5.00	0.40 U	4.64	93	75-130	
2-Butanone (MEK)	20.0	3.2 U	28.2	141	30-150	
1,4-Dichlorobenzene	5.00	0.40 U	4.92	98	75-125	
1,2-Dichloropropane	5.00	0.20 U	4.74	95	75-125	
2,2-Dichloropropane	5.00	0.40 U	4.36	87	70-135	
2-Hexanone	20.0	3.2 U	21.1	105	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	3.2 U	22.1	110	60-135	
4-Isopropyltoluene	5.00	0.40 U	4.67	93	75-130	
Benzene	5.00	0.20 U	4.69	94	80-120	
Acetone	20.0	6.4 U	20.3	102	40-140	
Bromobenzene	5.00	0.20 U	4.80	96	75-125	
Bromoform	5.00	0.40 U	4.65	93	70-130	
Bromomethane	5.00	0.40 U	4.93	99	30-145	
Carbon tetrachloride	5.00	0.40 U	4.21	84	65-140	
Carbon disulfide	5.00	0.80 U	4.54	91	35-160	
2-Chlorotoluene	5.00	0.40 U	4.92	98	75-125	
4-Chlorotoluene	5.00	0.40 U	5.03	101	75-130	
Chlorobenzene	5.00	0.20 U	4.70	94	80-120	
Chlorobromomethane	5.00	0.20 U	4.73	95	65-130	
Chlorodibromomethane	5.00	0.40 U	4.60	92	60-135	
Chloroform	5.00	0.20 U	4.43	89	65-135	
Chloroethane	5.00	1.6 U	4.46	89	60-135	
Chloromethane	5.00	0.80 U	4.40	88	40-125	
cis-1,2-Dichloroethene	5.00	0.20 U	4.75	95	70-125	
cis-1,3-Dichloropropene	5.00	0.20 U	4.42	88	70-130	
Dibromomethane	5.00	0.40 U	4.75	95	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6869.D

Lab ID: 280-30334-1 MS Client ID: LF6SW0101QA MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Dichlorobromomethane	5.00	0.20 U	4.38	88	75-120	
Dichlorodifluoromethane	5.00	0.80 U	4.47	89	30-155	
Ethylbenzene	5.00	0.20 U	4.90	98	75-125	
Hexachlorobutadiene	5.00	0.40 U	4.17	83	50-140	
Isopropylbenzene	5.00	0.40 U	4.72	94	75-125	
Ethylene Dibromide	5.00	0.20 U	4.76	95	80-120	
Methylene Chloride	5.00	0.40 U	5.04	101	55-140	
Methyl tert-butyl ether	5.00	0.40 U	4.36 J	87	65-125	
m-Xylene & p-Xylene	10.0	0.80 U	9.55	95	75-130	
Naphthalene	5.00	0.80 U	4.41	88	55-140	
n-Butylbenzene	5.00	0.40 U	4.87	97	70-135	
N-Propylbenzene	5.00	0.20 U	4.87	97	70-130	
o-Xylene	5.00	0.40 U	4.78	96	80-120	
Styrene	5.00	0.40 U	4.62	92	65-135	
sec-Butylbenzene	5.00	0.40 U	4.62	92	70-125	
tert-Butylbenzene	5.00	0.40 U	4.66	93	70-130	
trans-1,2-Dichloroethene	5.00	0.20 U	4.57	91	60-140	
trans-1,3-Dichloropropene	5.00	0.40 U	4.50	90	55-140	
Tetrachloroethene	5.00	0.40 U	4.67	93	45-150	
Toluene	5.00	0.40 U	4.71	94	75-120	
Trichloroethene	5.00	0.20 U	4.14	83	70-125	
Trichlorofluoromethane	5.00	0.80 U	4.84	97	60-145	
Vinyl chloride	5.00	0.80 U	4.44	89	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6870.D

Lab ID: 280-30334-1 MSD Client ID: LF6SW0101QA MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.30	86	5	30	80-130	
1,1,1-Trichloroethane	5.00	3.93	79	6	30	65-130	
1,2,3-Trichloropropane	5.00	4.97	99	4	30	75-125	
1,2,3-Trichlorobenzene	5.00	4.62	92	0	30	55-140	
1,1-Dichloroethane	5.00	4.57	91	3	30	70-135	
1,2,4-Trichlorobenzene	5.00	4.40	88	2	30	65-135	
1,2-Dibromo-3-Chloropropane	5.00	4.82 J	96	3	30	50-130	
1,1-Dichloropropene	5.00	4.24	85	5	30	75-130	
1,1-Dichloroethene	5.00	4.41	88	8	30	70-130	
1,1,2-Trichloroethane	5.00	4.91	98	0	30	75-125	
1,1,2,2-Tetrachloroethane	5.00	4.90	98	1	30	65-130	
1,2,4-Trimethylbenzene	5.00	4.57	91	4	30	75-130	
1,2-Dichlorobenzene	5.00	4.75	95	3	30	70-120	
1,2-Dichloroethane	5.00	4.61	92	1	30	70-130	
1,3-Dichlorobenzene	5.00	4.72	94	3	30	75-125	
1,3-Dichloropropane	5.00	4.62	92	5	30	75-125	
1,3,5-Trimethylbenzene	5.00	4.37	87	6	30	75-130	
2-Butanone (MEK)	20.0	29.2	146	4	30	30-150	
1,4-Dichlorobenzene	5.00	4.76	95	3	30	75-125	
1,2-Dichloropropane	5.00	4.69	94	1	30	75-125	
2,2-Dichloropropane	5.00	4.01	80	9	30	70-135	
2-Hexanone	20.0	23.3	117	10	30	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	23.0	115	4	30	60-135	
4-Isopropyltoluene	5.00	4.33	87	8	30	75-130	
Benzene	5.00	4.54	91	3	30	80-120	
Acetone	20.0	22.6	113	11	30	40-140	
Bromobenzene	5.00	4.78	96	0	30	75-125	
Bromoform	5.00	4.49	90	4	30	70-130	
Bromomethane	5.00	4.99	100	1	30	30-145	
Carbon tetrachloride	5.00	3.96	79	6	30	65-140	
Carbon disulfide	5.00	4.31	86	5	30	35-160	
2-Chlorotoluene	5.00	4.63	93	6	30	75-125	
4-Chlorotoluene	5.00	4.89	98	3	30	75-130	
Chlorobenzene	5.00	4.52	90	4	30	80-120	
Chlorobromomethane	5.00	4.64	93	2	30	65-130	
Chlorodibromomethane	5.00	4.54	91	1	30	60-135	
Chloroform	5.00	4.31	86	3	30	65-135	
Chloroethane	5.00	4.48	90	0	30	60-135	
Chloromethane	5.00	4.55	91	3	30	40-125	
cis-1,2-Dichloroethene	5.00	4.64	93	2	30	70-125	
cis-1,3-Dichloropropene	5.00	4.41	88	0	30	70-130	
Dibromomethane	5.00	4.71	94	1	30	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6870.D

Lab ID: 280-30334-1 MSD Client ID: LF6SW0101QA MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dichlorobromomethane	5.00	4.47	89	2	30	75-120	
Dichlorodifluoromethane	5.00	4.48	90	0	30	30-155	
Ethylbenzene	5.00	4.64	93	5	30	75-125	
Hexachlorobutadiene	5.00	3.98	80	5	30	50-140	
Isopropylbenzene	5.00	4.47	89	6	30	75-125	
Ethylene Dibromide	5.00	4.71	94	1	30	80-120	
Methylene Chloride	5.00	4.83 J	97	4	30	55-140	
Methyl tert-butyl ether	5.00	4.41 J	88	1	30	65-125	
m-Xylene & p-Xylene	10.0	9.20	92	4	30	75-130	
Naphthalene	5.00	4.58	92	4	30	55-140	
n-Butylbenzene	5.00	4.61	92	6	30	70-135	
N-Propylbenzene	5.00	4.56	91	7	30	70-130	
o-Xylene	5.00	4.57	91	5	30	80-120	
Styrene	5.00	4.51	90	2	30	65-135	
sec-Butylbenzene	5.00	4.44	89	4	30	70-125	
tert-Butylbenzene	5.00	4.48	90	4	30	70-130	
trans-1,2-Dichloroethene	5.00	4.49	90	2	30	60-140	
trans-1,3-Dichloropropene	5.00	4.55	91	1	30	55-140	
Tetrachloroethene	5.00	4.38	88	6	30	45-150	
Toluene	5.00	4.64	93	2	30	75-120	
Trichloroethene	5.00	4.45	89	7	30	70-125	
Trichlorofluoromethane	5.00	4.63	93	4	30	60-145	
Vinyl chloride	5.00	4.45	89	0	30	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Lab File ID: RR6863.D Lab Sample ID: MB 280-126338/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: MSV_R2 Date Analyzed: 07/02/2012 08:56

GC Column: DB-624 (60.25) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-126338/6	RR6862.D	07/02/2012 08:34
LF6SW0201QA	280-30334-2	RR6865.D	07/02/2012 09:41
LF6SW0101QA	280-30334-1	RR6866.D	07/02/2012 10:04
LF6SW0101QA MS	280-30334-1 MS	RR6869.D	07/02/2012 11:12
LF6SW0101QA MSD	280-30334-1 MSD	RR6870.D	07/02/2012 11:35

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Lab File ID: RR6351.D BFB Injection Date: 06/14/2012

Instrument ID: MSV_R2 BFB Injection Time: 06:38

Analysis Batch No.: 124040

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	49.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.0	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	96.7	
175	5.0 - 9.0 % of mass 174	7.5	(7.7)1
176	95.0 - 101.0 % of mass 174	95.8	(99.1)1
177	5.0 - 9.0 % of mass 176	7.7	(8.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-124040/3	RR6354.D	06/14/2012	07:32
	IC 280-124040/4	RR6355.D	06/14/2012	07:54
	IC 280-124040/5	RR6356.D	06/14/2012	08:17
	ICIS 280-124040/6	RR6357.D	06/14/2012	08:39
	IC 280-124040/7	RR6358.D	06/14/2012	09:01
	IC 280-124040/8	RR6359.D	06/14/2012	09:23
	ICV 280-124040/9	RR6360.D	06/14/2012	09:46

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Lab File ID: RR6385.D BFB Injection Date: 06/15/2012

Instrument ID: MSV_R2 BFB Injection Time: 06:43

Analysis Batch No.: 124226

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.3	
75	30.0 - 60.0 % of mass 95	49.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.2	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	100.0	
175	5.0 - 9.0 % of mass 174	7.4	(7.4)1
176	95.0 - 101.0 % of mass 174	95.0	(95.0)1
177	5.0 - 9.0 % of mass 176	7.3	(7.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-124226/3	RR6388.D	06/15/2012	07:37
	IC 280-124226/4	RR6389.D	06/15/2012	08:00
	IC 280-124226/5	RR6390.D	06/15/2012	08:22
	IC 280-124226/6	RR6391.D	06/15/2012	08:45
	IC 280-124226/7	RR6392.D	06/15/2012	09:07
	IC 280-124226/8	RR6393.D	06/15/2012	09:30
	IC 280-124226/9	RR6394.D	06/15/2012	09:52
	ICV 280-124226/10	RR6395.D	06/15/2012	10:15
	ICV 280-124226/11	RR6396.D	06/15/2012	10:37
	ICV 280-124226/12	RR6397.D	06/15/2012	11:00
	ICV 280-124226/13	RR6398.D	06/15/2012	11:22

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Lab File ID: RR6855.D BFB Injection Date: 07/02/2012

Instrument ID: MSV_R2 BFB Injection Time: 06:11

Analysis Batch No.: 126338

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.1	
75	30.0 - 60.0 % of mass 95	46.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	101.5	
175	5.0 - 9.0 % of mass 174	7.4	(7.3)1
176	95.0 - 101.0 % of mass 174	101.5	(99.9)1
177	5.0 - 9.0 % of mass 176	6.8	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-126338/2	RR6857.D	07/02/2012	06:43
	CCV 280-126338/3	RR6859.D	07/02/2012	07:27
	CCV 280-126338/4	RR6860.D	07/02/2012	07:49
	LCS 280-126338/6	RR6862.D	07/02/2012	08:34
	MB 280-126338/7	RR6863.D	07/02/2012	08:56
LF6SW0201QA	280-30334-2	RR6865.D	07/02/2012	09:41
LF6SW0101QA	280-30334-1	RR6866.D	07/02/2012	10:04
LF6SW0101QA MS	280-30334-1 MS	RR6869.D	07/02/2012	11:12
LF6SW0101QA MSD	280-30334-1 MSD	RR6870.D	07/02/2012	11:35

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Sample No.: ICIS 280-124040/6 Date Analyzed: 06/14/2012 08:39

Instrument ID: MSV_R2 GC Column: DB-624 (60.25) ID: 0.25(mm)

Lab File ID (Standard): RR6357.D Heated Purge: (Y/N) N

Calibration ID: 9710

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		976634	8.56	189086	11.43	271569	14.04
UPPER LIMIT		1953268	9.06	378172	11.93	543138	14.54
LOWER LIMIT		488317	8.06	94543	10.93	135785	13.54
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-124040/9		995420	8.56	212474	11.43	296826	14.05
ICV 280-124226/10		1228623	8.56	256376	11.43	350169	14.05
ICV 280-124226/11		1172093	8.57	246742	11.44	371869	14.05
ICV 280-124226/12		1169423	8.57	236834	11.44	347912	14.05
ICV 280-124226/13		1038187	8.56	220666	11.44	311462	14.05
CCV 280-126338/2		1468900	8.56	311657	11.43	472261	14.05
CCV 280-126338/3		1517888	8.57	302470	11.44	421263	14.05
CCV 280-126338/4		1306497	8.56	262206	11.43	368815	14.04
LCS 280-126338/6		1213193	8.56	248180	11.43	378219	14.05
MB 280-126338/7		1175315	8.57	235446	11.44	322611	14.04
280-30334-2	LF6SW0201QA	1161665	8.56	228242	11.43	295575	14.05
280-30334-1	LF6SW0101QA	1133369	8.57	221119	11.44	300487	14.05
280-30334-1 MS	LF6SW0101QA MS	1081403	8.57	215853	11.44	327163	14.05
280-30334-1 MSD	LF6SW0101QA MSD	1108585	8.57	228760	11.44	344206	14.05

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30334-1

SDG No.:

Client Sample ID: LF6SW0101QA | Lab Sample ID: 280-30334-1

Matrix: Water | Lab File ID: RR6866.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 12:10

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 10:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30334-1

SDG No.:

Client Sample ID: LF6SW0101QA | Lab Sample ID: 280-30334-1

Matrix: Water | Lab File ID: RR6866.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 12:10

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 10:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Client Sample ID: LF6SW0101QA Lab Sample ID: 280-30334-1

Matrix: Water Lab File ID: RR6866.D

Analysis Method: 8260B/DoD Date Collected: 06/21/2012 12:10

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 10:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	78		70-120
460-00-4	4-Bromofluorobenzene (Surr)	96		75-120
1868-53-7	Dibromofluoromethane (Surr)	87		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6866.D
Lab Smp Id: 280-30334-F-1 Client Smp ID: LF6SW0101QA
Inj Date : 02-JUL-2012 10:04
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30334-f-1,,PH<2
Misc Info : 280-30334-F-1
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 08:27 dobranskym Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	62 Fluorobenzene	96	8.566	8.564	(1.000)	1133369	12.5000	
*	88 Chlorobenzene-d5	119	11.436	11.434	(1.000)	221119	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.049	14.047	(1.000)	300487	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.965	7.964	(0.930)	386757	9.79049	9.79049
$	58 1,2-Dichloroethane-d4	65	8.290	8.290	(0.968)	230660	8.75685	8.75685
$	76 Toluene-d8	98	9.957	9.956	(0.871)	1247719	11.5618	11.5618
$	99 4-Bromofluorobenzene (Surr)	95	12.738	12.737	(0.907)	336857	10.8172	10.8172
M	2 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	3 Xylene (total)	106	Compound Not Detected.					
	7 dichlorodifluoromethane	85	Compound Not Detected.					
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	17 1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
	19 Ethyl Ether	59	Compound Not Detected.					
	20 2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

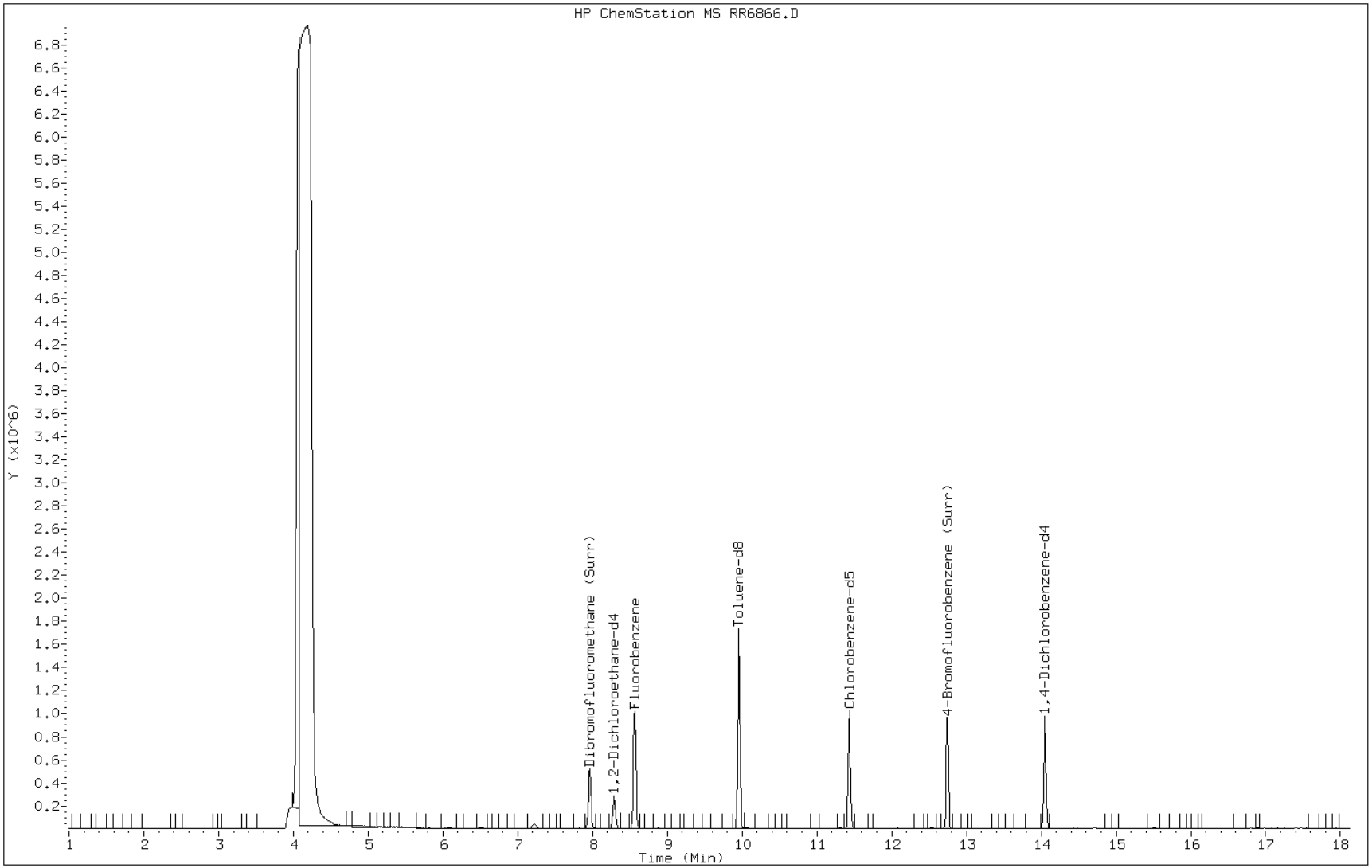
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR6866.D

Date: 02-JUL-2012 10:04

Client ID: LF6SW0101QA Instrument: R2.i

Sample Info: 280-30334-f-1,,PH<2 Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30334-1

SDG No.:

Client Sample ID: LF6SW0201QA | Lab Sample ID: 280-30334-2

Matrix: Water | Lab File ID: RR6865.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 11:20

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 09:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U Q	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U Q	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U Q	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U Q	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U Q	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30334-1

SDG No.:

Client Sample ID: LF6SW0201QA | Lab Sample ID: 280-30334-2

Matrix: Water | Lab File ID: RR6865.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 11:20

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 09:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U Q	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U Q	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U Q	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U Q	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U Q	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U Q	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U Q	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Client Sample ID: LF6SW0201QA Lab Sample ID: 280-30334-2

Matrix: Water Lab File ID: RR6865.D

Analysis Method: 8260B/DoD Date Collected: 06/21/2012 11:20

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 09:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	73		70-120
460-00-4	4-Bromofluorobenzene (Surr)	94		75-120
1868-53-7	Dibromofluoromethane (Surr)	83	Q	85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6865.D
Lab Smp Id: 280-30334-F-2 Client Smp ID: LF6SW0201QA
Inj Date : 02-JUL-2012 09:41
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30334-f-2,,PH<2
Misc Info : 280-30334-F-2
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 08:27 dobranskym Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.561	8.564	(1.000)	1161665	12.5000	
* 88	Chlorobenzene-d5	119	11.430	11.434	(1.000)	228242	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.053	14.047	(1.000)	295575	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.959	7.964	(0.930)	379228	9.28462	9.28462(R)
$ 58	1,2-Dichloroethane-d4	65	8.285	8.290	(0.968)	223647	8.20851	8.20851
$ 76	Toluene-d8	98	9.961	9.956	(0.871)	1257077	11.2255	11.2255
$ 99	4-Bromofluorobenzene (Surr)	95	12.742	12.737	(0.907)	324666	10.5548	10.5548
M 2	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 3	Xylene (total)	106	Compound Not Detected.					
7	dichlorodifluoromethane	85	Compound Not Detected.					
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
17	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
19	Ethyl Ether	59	Compound Not Detected.					
20	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

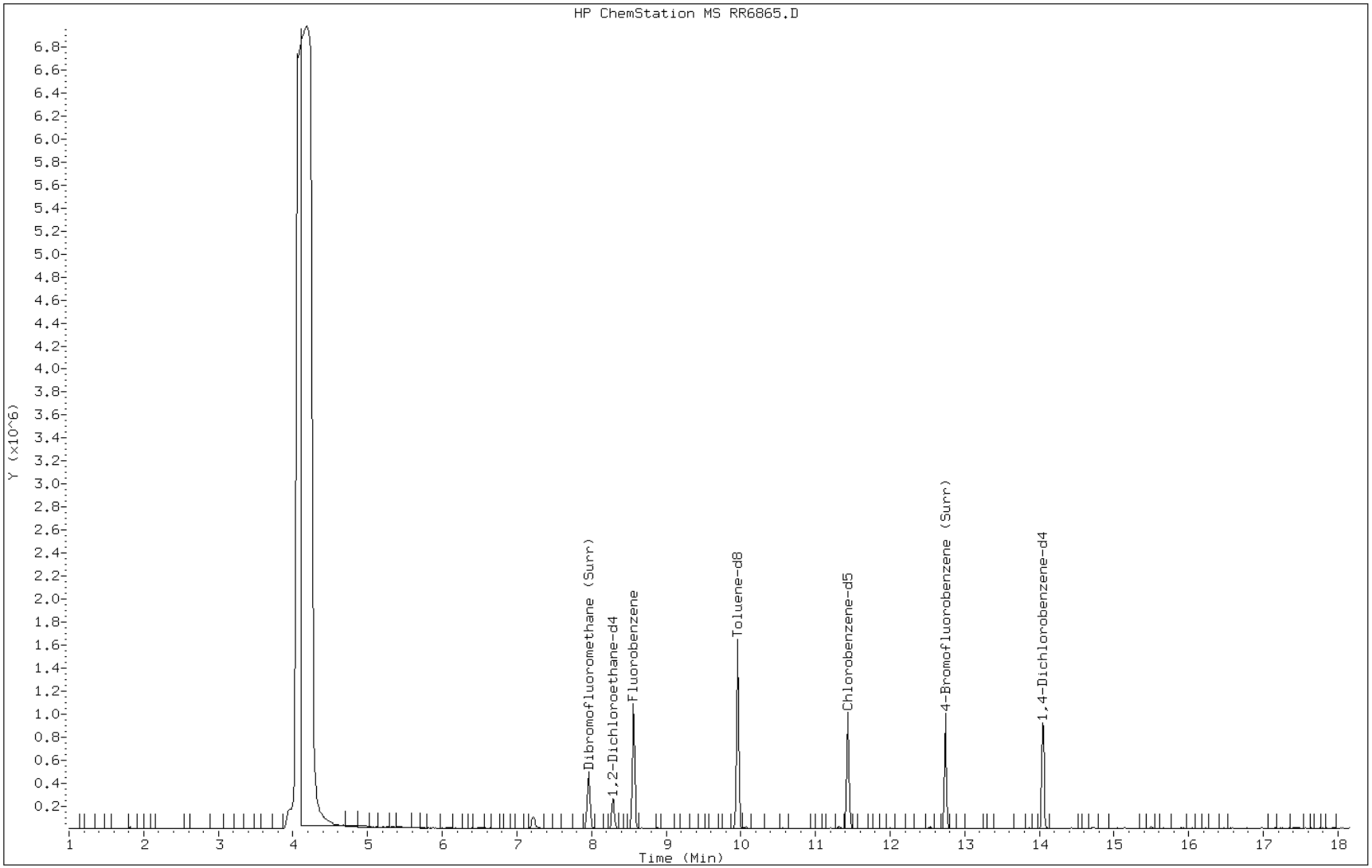
R - Spike/Surrogate failed recovery limits.

Data File: RR6865.D

Date: 02-JUL-2012 09:41

Client ID: LF6SW0201QA Instrument: R2.i

Sample Info: 280-30334-f-2,,PH<2 Operator: DOBRANSKYM



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30334-1 Analy Batch No.: 124040

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2012 07:32 Calibration End Date: 06/14/2012 09:23 Calibration ID: 9710

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-124040/3	RR6354.D
Level 2	IC 280-124040/4	RR6355.D
Level 3	IC 280-124040/5	RR6356.D
Level 4	ICIS 280-124040/6	RR6357.D
Level 5	IC 280-124040/7	RR6358.D
Level 6	IC 280-124040/8	RR6359.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorofluoromethane	0.6923 0.7075	0.6806	0.8073	0.7340	0.6916	Ave		0.7189				6.6		15.0			
Ethyl ether	0.1126 0.1254	0.1153	0.1356	0.1183	0.1183	Ave		0.1209				6.9		15.0			
Isopropyl alcohol	0.0047 0.0047	0.0045	0.0053	0.0047	0.0045	Ave		0.0047				5.7		15.0			
2,2-Dichloro-1,1,1-trifluoroethane	0.5296 0.5319	0.5482	0.6026	0.5570	0.5313	Ave		0.5501				5.1		15.0			
Propene oxide	0.0160 0.0193	0.0171	0.0195	0.0188	0.0176	Ave		0.0181				7.6		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2878 0.2866	0.2808	0.3211	0.2932	0.2824	Ave		0.2920				5.1		15.0			
Methyl acetate	0.0598 0.0611	0.0597	0.0663	0.0603	0.0570	Ave		0.0607				5.0		15.0			
Allyl chloride	0.4631 0.4648	0.4655	0.5335	0.4922	0.4653	Ave		0.4807				5.8		15.0			
Carbon disulfide	1.2780 1.3338	1.2982	1.5128	1.3917	1.3211	Ave		1.3559				6.3		15.0			
Tetrahydrofuran	+++++ 0.0211	0.0200	0.0229	0.0209	0.0192	Ave		0.0208				6.8		15.0			
Methyl tert-butyl ether	0.3007 0.3712	0.3033	0.3618	0.3446	0.3382	Ave		0.3366				8.7		15.0			
Hexane	+++++ 2.0708	2.2896	2.6803	2.4758	2.1636	Ave		2.3360				10.5		15.0			
Vinyl acetate	0.2313 0.2606	0.2312	0.2692	0.2527	0.2422	Ave		0.2479				6.3		15.0			
Tert-butyl ethyl ether	0.5008 0.6249	0.5250	0.6088	0.5800	0.5699	Ave		0.5682				8.4		15.0			
Ethyl acetate	0.1016 0.0982	0.1022	0.0928	0.0805	0.0911	Ave		0.0944				8.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30334-1 Analy Batch No.: 124040

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2012 07:32 Calibration End Date: 06/14/2012 09:23 Calibration ID: 9710

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Butanol	0.0046 0.0057	0.0047	0.0057	0.0055	0.0051	Ave		0.0052				9.1		15.0			
Cyclohexane	0.5462 0.5401	0.5392	0.6042	0.5597	0.5551	Ave		0.5574				4.4		15.0			
Tert-amyl methyl ether	0.3495 0.4615	0.3681	0.4316	0.4108	0.4108	Ave		0.4054				10.1		15.0			
2-Pentanone	0.0695 0.0614	0.0713	0.0602	0.0566	0.0620	Ave		0.0635				8.9		15.0			
Methyl methacrylate	0.0171 0.0255	0.0207	0.0222	0.0207	0.0223	Ave		0.0214				12.7		15.0			
Methylcyclohexane	0.4742 0.4680	0.4821	0.5372	0.4900	0.4816	Ave		0.4888				5.1		15.0			
2-Chloroethyl vinyl ether	0.0519 0.0716	0.0529	0.0556	0.0561	0.0615	Ave		0.0583				12.6		15.0			
2-Nitropropane	+++++ 0.0250	0.0194	0.0229	0.0209	0.0217	Ave		0.0220				9.5		15.0			
Ethyl methacrylate	0.5277 0.6831	0.5483	0.6467	0.6415	0.6492	Ave		0.6161				10.2		15.0			
cis-1,4-Dichloro-2-butene	+++++ 0.1221	0.0970	0.1118	0.1119	0.1119	Ave		0.1110				8.1		15.0			
trans-1,4-Dichloro-2-butene	0.0631 0.1056	0.0756	0.1039	0.0991	0.0968	Lin1	0.0335	0.1041							0.9981		0.9900
Dibromofluoromethane (Surr)	+++++ 0.3860	0.7017	0.5226	0.4420	0.3795	Lin2	-0.150	0.3655							0.9972		0.9900
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2691	0.4452	0.3454	0.2892	0.2478	Lin	-0.111	0.2506							0.9932		
Toluene-d8 (Surr)	+++++ 5.3025	10.718	7.8350	6.7100	5.5649	Lin1	-0.199	5.0212							0.9962		0.9900
4-Bromofluorobenzene (Surr)	+++++ 1.1156	2.2349	1.6138	1.3091	1.1912	Lin2	-0.175	1.0774							0.9978		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30334-1 Analy Batch No.: 124040

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2012 07:32 Calibration End Date: 06/14/2012 09:23 Calibration ID: 9710

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-124040/3	RR6354.D
Level 2	IC 280-124040/4	RR6355.D
Level 3	IC 280-124040/5	RR6356.D
Level 4	ICIS 280-124040/6	RR6357.D
Level 5	IC 280-124040/7	RR6358.D
Level 6	IC 280-124040/8	RR6359.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorofluoromethane	FB	Ave	65385 3377999	116677	323170	573495	1731366	1.00 60.0	2.00	5.00	10.0	30.0
Ethyl ether	FB	Ave	10632 598821	19767	54260	92394	296094	1.00 60.0	2.00	5.00	10.0	30.0
Isopropyl alcohol	FB	Ave	8885 450596	15451	42061	74213	226935	20.0 1200	40.0	100	200	600
2,2-Dichloro-1,1,1-trifluoroethane	FB	Ave	50021 2539571	93968	241209	435152	1330004	1.00 60.0	2.00	5.00	10.0	30.0
Propene oxide	FB	Ave	75755 4608379	146404	391005	735644	2209218	50.0 3000	100	250	500	1500
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	27185 1368632	48127	128518	229085	706955	1.00 60.0	2.00	5.00	10.0	30.0
Methyl acetate	FB	Ave	28260 1458495	51199	132610	235605	713204	5.00 300	10.0	25.0	50.0	150
Allyl chloride	FB	Ave	43741 2219226	79804	213533	384568	1164794	1.00 60.0	2.00	5.00	10.0	30.0
Carbon disulfide	FB	Ave	120707 6368567	222539	605561	1087335	3307190	1.00 60.0	2.00	5.00	10.0	30.0
Tetrahydrofuran	FB	Ave	+++++ 201395	6859	18349	32648	95894	+++++ 120	4.00	10.0	20.0	60.0
Methyl tert-butyl ether	FB	Ave	28397 1772366	51987	144825	269274	846631	1.00 60.0	2.00	5.00	10.0	30.0
Hexane	CBZ	Ave	+++++ 2144701	80267	212445	374513	1156013	+++++ 60.0	2.00	5.00	10.0	30.0
Vinyl acetate	FB	Ave	43699 2488215	79265	215526	394883	1212588	2.00 120	4.00	10.0	20.0	60.0
Tert-butyl ethyl ether	FB	Ave	236500 14918883	449958	1218502	2265888	7133532	5.00 300	10.0	25.0	50.0	150
Ethyl acetate	FB	Ave	19198 937859	35047	74329	125753	456266	2.00 120	4.00	10.0	20.0	60.0
2-Butanol	FB	Ave	13078 814851	24405	68501	128626	386006	30.0 1800	60.0	150	300	900

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30334-1 Analy Batch No.: 124040

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2012 07:32 Calibration End Date: 06/14/2012 09:23 Calibration ID: 9710

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Cyclohexane	FB	Ave	51587 2578788	92439	241833	437316	1389724	1.00 60.0	2.00	5.00	10.0	30.0
Tert-amyl methyl ether	FB	Ave	165029 11016897	315492	863742	1604846	5141813	5.00 300	10.0	25.0	50.0	150
2-Pentanone	FB	Ave	26247 1173486	48883	96353	177017	620974	4.00 240	8.00	20.0	40.0	120
Methyl methacrylate	FB	Ave	3236 243050	7087	17795	32297	111466	2.00 120	4.00	10.0	20.0	60.0
Methylcyclohexane	FB	Ave	44783 2234675	82646	215016	382820	1205776	1.00 60.0	2.00	5.00	10.0	30.0
2-Chloroethyl vinyl ether	FB	Ave	4906 341903	9072	22261	43816	153949	1.00 60.0	2.00	5.00	10.0	30.0
2-Nitropropane	FB	Ave	+++++ 119190	3328	9163	16318	54331	+++++ 60.0	2.00	5.00	10.0	30.0
Ethyl methacrylate	CBZ	Ave	20256 1414991	38443	102513	194068	693717	2.00 120	4.00	10.0	20.0	60.0
cis-1,4-Dichloro-2-butene	DCB	Ave	+++++ 185188	4680	12457	24314	82955	+++++ 60.0	2.00	5.00	10.0	30.0
trans-1,4-Dichloro-2-butene	DCB	Lin1	1666 160219	3648	11575	21524	71771	1.00 60.0	2.00	5.00	10.0	30.0
Dibromofluoromethane (Surr)	FB	Lin2	+++++ 921546	120280	209196	345366	633338	+++++ 30.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Lin	+++++ 642490	76316	138275	225969	413489	+++++ 30.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Lin1	+++++ 2745828	375729	621012	1015019	1982197	+++++ 30.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene (Surr)	DCB	Lin2	+++++ 845979	107774	179805	284413	588778	+++++ 30.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6354.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 07:32
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 1.0 5uL 190x LOT:DF700
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.560	8.561	(1.000)	1180587	12.5000	
*	88 Chlorobenzene-d5	119	11.430	11.431	(1.000)	239897	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.043	14.044	(1.000)	330049	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.968	7.959	(0.931)	127148	1.00000	1.80416
$	58 1,2-Dichloroethane-d4	65	8.294	8.285	(0.969)	81124	1.00000	2.03365
$	76 Toluene-d8	98	9.951	9.951	(0.871)	408290	1.00000	1.75144
$	99 4-Bromofluorobenzene (Surr)	95	12.741	12.742	(0.907)	113421	1.00000	1.79764
	11 Ethylene Oxide	43	5.207	5.198	(0.608)	61454	125.000	132.929(Q)
	14 Dichlorofluoromethane	67	5.543	5.534	(0.648)	65385	1.00000	0.962998(a)
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.809	5.810	(0.679)	32221	1.00000	0.983219(a)
	21 Propylene Oxide	58	5.927	5.908	(0.692)	75755	50.0000	44.3786
	19 Ethyl Ether	59	5.799	5.790	(0.677)	10632	1.00000	0.931136(a)
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.858	5.849	(0.684)	50021	1.00000	0.962807(a)
	23 Trichlorotrifluoroethane	151	6.105	6.096	(0.713)	27185	1.00000	0.985794(a)
	18 2-propanol	45	5.809	5.790	(0.679)	8885	20.0000	19.8297
	27 Methyl Acetate	43	6.351	6.332	(0.742)	28260	5.00000	4.92921
	29 Allyl Chloride	41	6.410	6.391	(0.749)	43741	1.00000	0.963382(a)
	30 Carbon Disulfide	76	6.420	6.411	(0.750)	120707	1.00000	0.942555(a)
	34 Methyl t-butyl ether	73	6.696	6.687	(0.782)	28397	1.00000	0.893172(a)
	36 Hexane	57	6.913	6.904	(0.605)	43310	1.00000	0.966038(a)
	37 Vinyl acetate	43	7.041	7.023	(0.823)	43699	2.00000	1.86666(a)
	41 ETBE	59	7.357	7.348	(0.859)	236500	5.00000	4.40670
	42 Ethyl Acetate	43	7.515	7.496	(0.878)	19198	2.00000	2.15282

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44 2-Butanol	45	7.574	7.565	(0.885)	13078	30.0000	26.4747
51 Tetrahydrofuran	42	Compound Not Detected.					
55 Cyclohexane	56	8.126	8.127	(0.949)	51587	1.00000	0.979869(a)
59 TAME	73	8.343	8.344	(0.975)	165029	5.00000	4.31053
65 2-Pentanone	43	8.935	8.926	(1.044)	26247	4.00000	4.37597
67 Methyl Cyclohexane	55	9.083	9.084	(1.061)	44783	1.00000	0.969960(a)
66 Methyl Methacrylate	100	9.024	9.024	(1.054)	3236	2.00000	1.60090
73 2-nitropropane	41	9.477	9.478	(1.107)	1243	1.00000	0.599006(aQ)
72 2-Chloroethyl vinyl ether	63	9.467	9.458	(1.106)	4906	1.00000	0.891342(a)
78 Ethyl methacrylate	69	10.118	10.119	(0.885)	20256	2.00000	1.71318
85 Tetrahydrothiophene	60	10.868	10.859	(0.951)	2625	1.00000	1.53173
97 cis-1,4-dichloro-2-butene	53	12.564	12.574	(0.895)	2335	1.00000	0.797042(a)
101 t-1,4-Dichloro-2-butene	53	12.869	12.870	(0.916)	1666	1.00000	1.02444
115 1,2,3-Trimethylbenzene	105	14.082	14.083	(1.003)	77770	1.00000	0.944851(a)
119 Tetralin	104	Compound Not Detected.					

QC Flag Legend

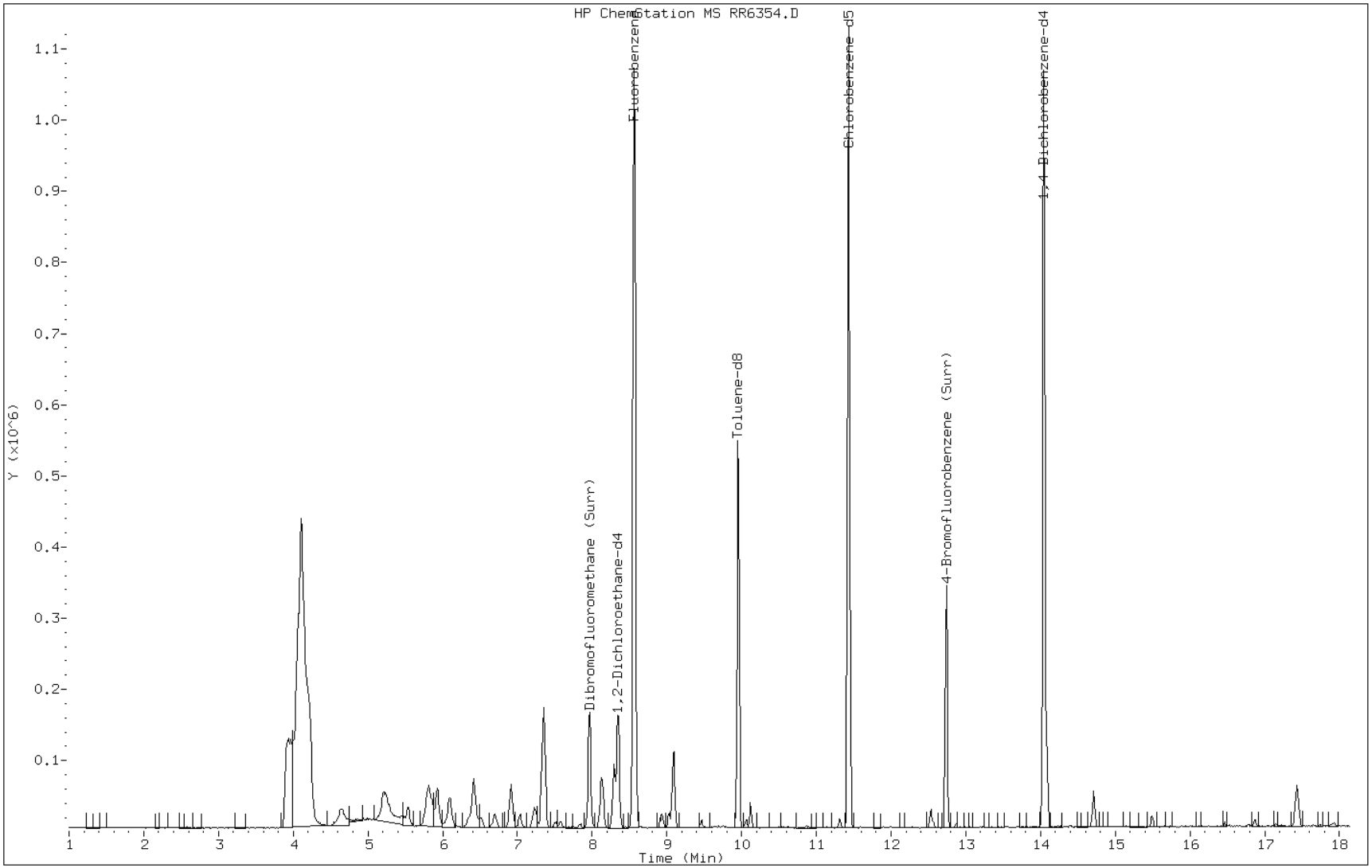
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6354.D

Date: 14-JUN-2012 07:32

Client ID: Instrument: R2.i

Sample Info: IC,,S 1.0 5uL 190x LOT:DF700 Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6355.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 07:54
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 2.0 10uL 10x
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.559	8.561	(1.000)	1071390	12.5000	
*	88 Chlorobenzene-d5	119	11.429	11.431	(1.000)	219106	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.042	14.044	(1.000)	301399	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.968	7.959	(0.931)	120280	2.00000	1.96031
$	58 1,2-Dichloroethane-d4	65	8.293	8.285	(0.969)	76316	2.00000	2.15913
$	76 Toluene-d8	98	9.960	9.951	(0.871)	375729	2.00000	1.78353
$	99 4-Bromofluorobenzene (Surr)	95	12.741	12.742	(0.907)	107774	2.00000	1.95927
	11 Ethylene Oxide	43	5.226	5.198	(0.611)	104738	250.000	249.646(Q)
	14 Dichlorofluoromethane	67	5.542	5.534	(0.647)	116677	2.00000	1.89358
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.808	5.810	(0.679)	59377	2.00000	1.99655
	21 Propylene Oxide	58	5.927	5.908	(0.692)	146404	100.000	94.5075
	19 Ethyl Ether	59	5.798	5.790	(0.677)	19767	2.00000	1.90761
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.848	5.849	(0.683)	93968	2.00000	1.99305
	23 Trichlorotrifluoroethane	151	6.094	6.096	(0.712)	48127	2.00000	1.92307
	18 2-propanol	45	5.798	5.790	(0.677)	15451	40.0000	37.9985
	27 Methyl Acetate	43	6.351	6.332	(0.742)	51199	10.0000	9.84050
	29 Allyl Chloride	41	6.400	6.391	(0.748)	79804	2.00000	1.93680
	30 Carbon Disulfide	76	6.420	6.411	(0.750)	222539	2.00000	1.91483
	34 Methyl t-butyl ether	73	6.696	6.687	(0.782)	51987	2.00000	1.80180
	36 Hexane	57	6.913	6.904	(0.605)	80267	2.00000	1.96026
	37 Vinyl acetate	43	7.041	7.023	(0.823)	79265	4.00000	3.73100
	41 ETBE	59	7.347	7.348	(0.858)	449958	10.0000	9.23857
	42 Ethyl Acetate	43	7.504	7.496	(0.877)	35047	4.00000	4.33064

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44	2-Butanol	45	7.573	7.565	(0.885)	24405	60.0000	54.4402
51	Tetrahydrofuran	42	7.840	7.841	(0.916)	6859	4.00000	3.84508
55	Cyclohexane	56	8.126	8.127	(0.949)	92439	2.00000	1.93479
59	TAME	73	8.343	8.344	(0.975)	315492	10.0000	9.08048
65	2-Pentanone	43	8.934	8.926	(1.044)	48883	8.00000	8.98054
67	Methyl Cyclohexane	55	9.092	9.084	(1.062)	82646	2.00000	1.97248
66	Methyl Methacrylate	100	9.023	9.024	(1.054)	7087	4.00000	3.86338(Q)
73	2-nitropropane	41	9.477	9.478	(1.107)	3328	2.00000	1.76723(Q)
72	2-Chloroethyl vinyl ether	63	9.457	9.458	(1.105)	9072	2.00000	1.81623
78	Ethyl methacrylate	69	10.118	10.119	(0.885)	38443	4.00000	3.55989
85	Tetrahydrothiophene	60	10.867	10.859	(0.951)	5451	2.00000	2.04644
97	cis-1,4-dichloro-2-butene	53	12.573	12.574	(0.895)	4680	2.00000	1.74935
101	t-1,4-Dichloro-2-butene	53	12.869	12.870	(0.916)	3648	2.00000	1.87145
115	1,2,3-Trimethylbenzene	105	14.082	14.083	(1.003)	141644	2.00000	1.88446
119	Tetralin	104	Compound Not Detected.					

QC Flag Legend

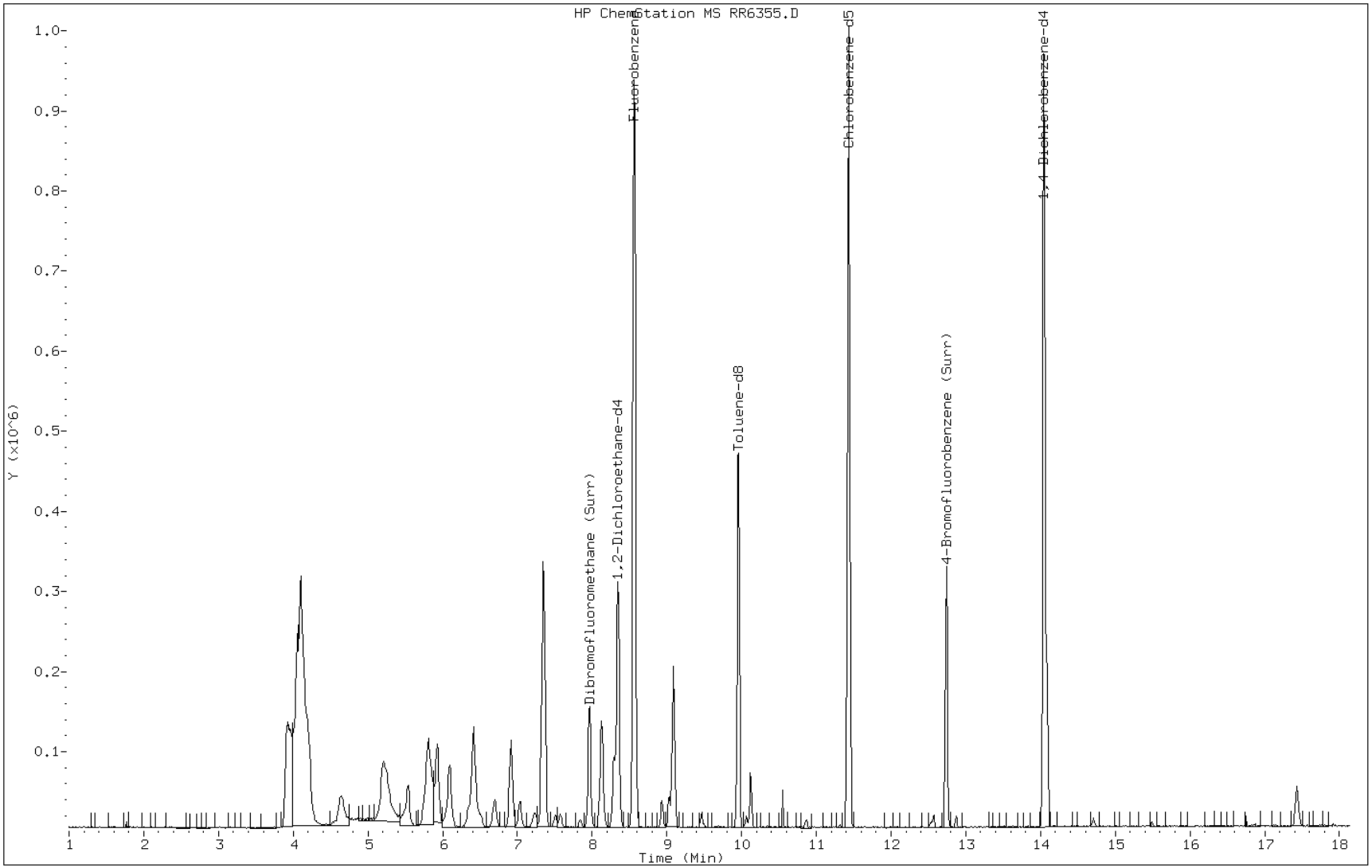
Q - Qualifier signal failed the ratio test.

Data File: RR6355.D

Date: 14-JUN-2012 07:54

Client ID: Instrument: R2.i

Sample Info: IC,,S 2.0 10uL 10x Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6356.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 08:17
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 5.0 2.5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.557	8.561	(1.000)	1000714	12.5000	
*	88 Chlorobenzene-d5	119	11.427	11.431	(1.000)	198154	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.040	14.044	(1.000)	278541	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.956	7.959	(0.930)	209196	5.00000	5.26984
$	58 1,2-Dichloroethane-d4	65	8.281	8.285	(0.968)	138275	5.00000	5.49801
$	76 Toluene-d8	98	9.948	9.951	(0.871)	621012	5.00000	5.31642
$	99 4-Bromofluorobenzene (Surr)	95	12.738	12.742	(0.907)	179805	5.00000	5.30013
	11 Ethylene Oxide	43	5.204	5.198	(0.608)	278063	625.000	709.580
	14 Dichlorofluoromethane	67	5.530	5.534	(0.646)	323170	5.00000	5.61521
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.806	5.810	(0.678)	150731	5.00000	5.42627
	21 Propylene Oxide	58	5.914	5.908	(0.691)	391005	250.000	270.230
	19 Ethyl Ether	59	5.796	5.790	(0.677)	54260	5.00000	5.60616
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.855	5.849	(0.684)	241209	5.00000	5.47732
	23 Trichlorotrifluoroethane	151	6.092	6.096	(0.712)	128518	5.00000	5.49805
	18 2-propanol	45	5.786	5.790	(0.676)	42061	100.000	110.746
	27 Methyl Acetate	43	6.338	6.332	(0.741)	132610	25.0000	27.2879
	29 Allyl Chloride	41	6.397	6.391	(0.748)	213533	5.00000	5.54834
	30 Carbon Disulfide	76	6.417	6.411	(0.750)	605561	5.00000	5.57854
	34 Methyl t-butyl ether	73	6.693	6.687	(0.782)	144825	5.00000	5.37396
	36 Hexane	57	6.910	6.904	(0.605)	212445	5.00000	5.73686
	37 Vinyl acetate	43	7.029	7.023	(0.821)	215526	10.0000	10.8613
	41 ETBE	59	7.344	7.348	(0.858)	1218502	25.0000	26.7853
	42 Ethyl Acetate	43	7.502	7.496	(0.877)	74329	10.0000	9.83326

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
44	2-Butanol	45	7.571	7.565	(0.885)	68501	150.000	163.597
51	Tetrahydrofuran	42	7.837	7.841	(0.916)	18349	10.0000	11.0127
55	Cyclohexane	56	8.123	8.127	(0.949)	241833	5.00000	5.41915
59	TAME	73	8.340	8.344	(0.975)	863742	25.0000	26.6160
65	2-Pentanone	43	8.932	8.926	(1.044)	96353	20.0000	18.9517
67	Methyl Cyclohexane	55	9.090	9.084	(1.062)	215016	5.00000	5.49413
66	Methyl Methacrylate	100	9.030	9.024	(1.055)	17795	10.0000	10.3858
73	2-nitropropane	41	9.474	9.478	(1.107)	9163	5.00000	5.20937
72	2-Chloroethyl vinyl ether	63	9.464	9.458	(1.106)	22261	5.00000	4.77144
78	Ethyl methacrylate	69	10.115	10.119	(0.885)	102513	10.0000	10.4966
85	Tetrahydrothiophene	60	10.865	10.859	(0.951)	20091	5.00000	4.87225
97	cis-1,4-dichloro-2-butene	53	12.571	12.574	(0.895)	12457	5.00000	5.03845
101	t-1,4-Dichloro-2-butene	53	12.866	12.870	(0.916)	11575	5.00000	5.40704
115	1,2,3-Trimethylbenzene	105	14.079	14.083	(1.003)	373997	5.00000	5.38405
119	Tetralin	104	Compound Not Detected.					

Data File: RR6356.D

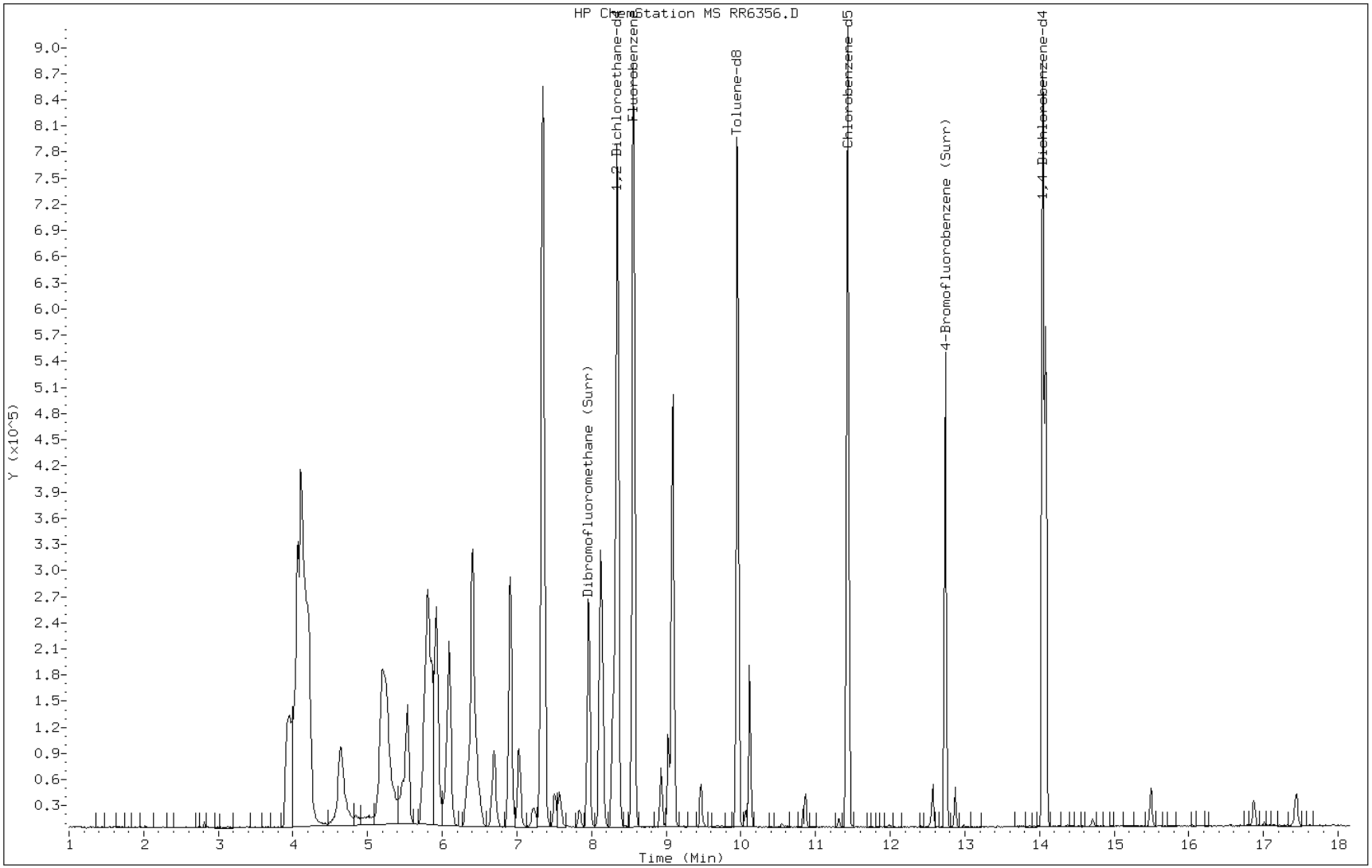
Date: 14-JUN-2012 08:17

Client ID:

Instrument: R2.i

Sample Info: IC,,S 5.0 2.5uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6357.D
Lab Smp Id: ICIS
Inj Date : 14-JUN-2012 08:39
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICIS,,S 10 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.556	8.561	(1.000)	976634	12.5000	
*	88 Chlorobenzene-d5	119	11.426	11.431	(1.000)	189086	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.039	14.044	(1.000)	271569	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.955	7.959	(0.930)	345366	10.0000	10.2140
$	58 1,2-Dichloroethane-d4	65	8.280	8.285	(0.968)	225969	10.0000	10.1463
$	76 Toluene-d8	98	9.947	9.951	(0.871)	1015019	10.0000	10.8779
$	99 4-Bromofluorobenzene (Surr)	95	12.737	12.742	(0.907)	284413	10.0000	9.96165
	11 Ethylene Oxide	43	5.194	5.198	(0.607)	490235	1250.00	1281.86
	14 Dichlorofluoromethane	67	5.529	5.534	(0.646)	573495	10.0000	10.2104
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.805	5.810	(0.678)	271599	10.0000	10.0186
	21 Propylene Oxide	58	5.913	5.908	(0.691)	735644	500.000	520.951
	19 Ethyl Ether	59	5.785	5.790	(0.676)	92394	10.0000	9.78155
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.844	5.849	(0.683)	435152	10.0000	10.1250
	23 Trichlorotrifluoroethane	151	6.091	6.096	(0.712)	229085	10.0000	10.0420
	18 2-propanol	45	5.785	5.790	(0.676)	74213	200.000	200.219
	27 Methyl Acetate	43	6.328	6.332	(0.740)	235605	50.0000	49.6771
	29 Allyl Chloride	41	6.387	6.391	(0.746)	384568	10.0000	10.2388
	30 Carbon Disulfide	76	6.406	6.411	(0.749)	1087335	10.0000	10.2637
	34 Methyl t-butyl ether	73	6.683	6.687	(0.781)	269274	10.0000	10.2382
	36 Hexane	57	6.900	6.904	(0.604)	374513	10.0000	10.5984
	37 Vinyl acetate	43	7.018	7.023	(0.820)	394883	20.0000	20.3905
	41 ETBE	59	7.343	7.348	(0.858)	2265888	50.0000	51.0372
	42 Ethyl Acetate	43	7.501	7.496	(0.877)	125753	20.0000	17.0465

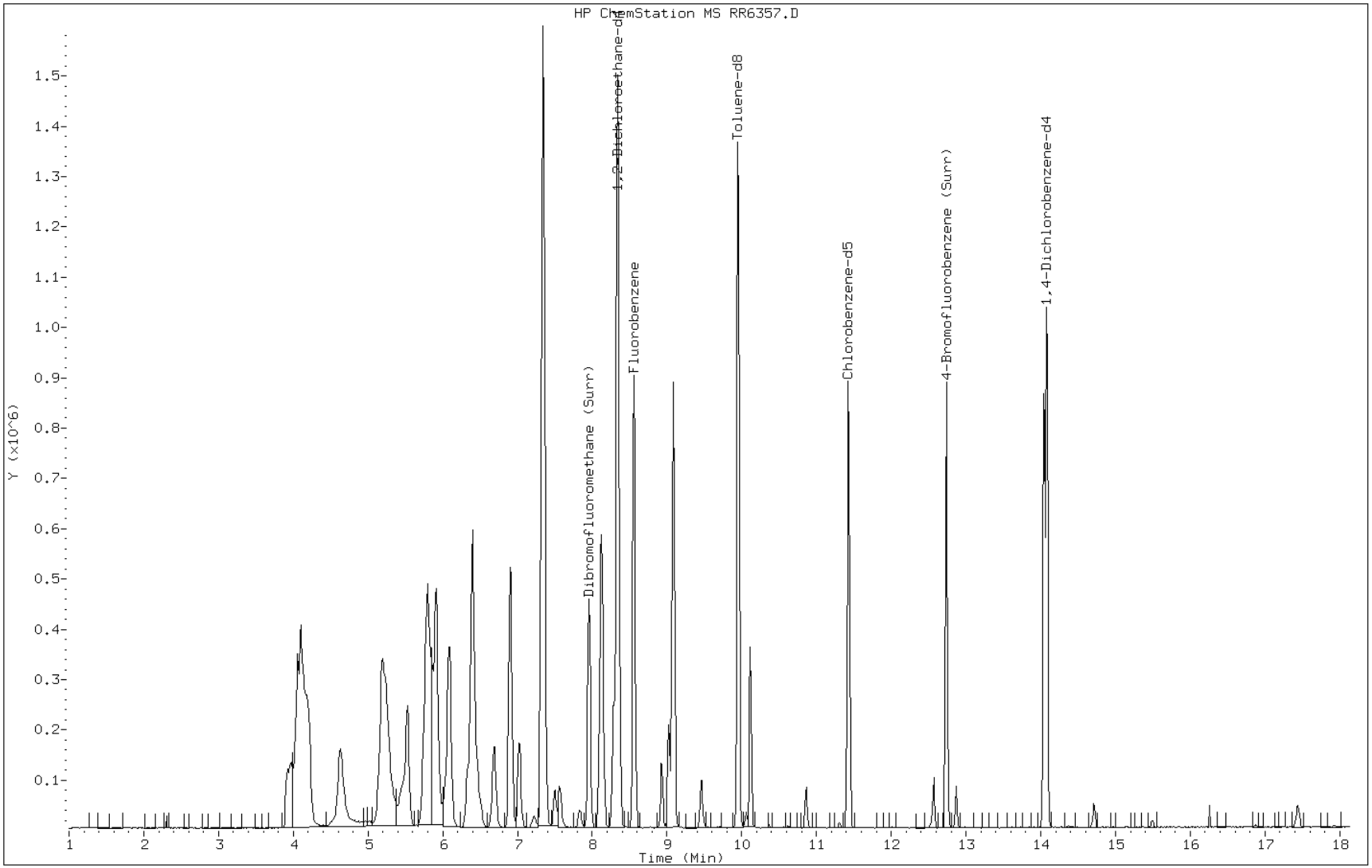
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
44	2-Butanol	45	7.560	7.565	(0.884)	128626	300.000	314.764
51	Tetrahydrofuran	42	7.836	7.841	(0.916)	32648	20.0000	20.0778
55	Cyclohexane	56	8.122	8.127	(0.949)	437316	10.0000	10.0413
59	TAME	73	8.339	8.344	(0.975)	1604846	50.0000	50.6722
65	2-Pentanone	43	8.921	8.926	(1.043)	177017	40.0000	35.6759
67	Methyl Cyclohexane	55	9.089	9.084	(1.062)	382820	10.0000	10.0231
66	Methyl Methacrylate	100	9.020	9.024	(1.054)	32297	20.0000	19.3145
73	2-nitropropane	41	9.473	9.478	(1.107)	16318	10.0000	9.50589
72	2-Chloroethyl vinyl ether	63	9.454	9.458	(1.105)	43816	10.0000	9.62311
78	Ethyl methacrylate	69	10.114	10.119	(0.885)	194068	20.0000	20.8242
85	Tetrahydrothiophene	60	10.864	10.859	(0.951)	42117	10.0000	9.35401
97	cis-1,4-dichloro-2-butene	53	12.570	12.574	(0.895)	24314	10.0000	10.0867
101	t-1,4-Dichloro-2-butene	53	12.866	12.870	(0.916)	21524	10.0000	9.93298
115	1,2,3-Trimethylbenzene	105	14.079	14.083	(1.003)	687985	10.0000	10.1585
119	Tetralin	104	Compound Not Detected.					

Data File: RR6357.D

Date: 14-JUN-2012 08:39

Client ID: Instrument: R2.i

Sample Info: ICIS,,S 10 5uL Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6358.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 09:01
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 30 15uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:01 Cal File: RR6358.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.560	8.561	(1.000)	1043101	12.5000	
* 88 Chlorobenzene-d5	119	11.429	11.431	(1.000)	222624	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.043	14.044	(1.000)	308909	12.5000	
$ 52 Dibromofluoromethane (Surr)	111	7.958	7.959	(0.930)	633338	20.0000	18.8840
$ 58 1,2-Dichloroethane-d4	65	8.284	8.285	(0.968)	413489	20.0000	18.3770
$ 76 Toluene-d8	98	9.950	9.951	(0.871)	1982197	20.0000	19.6799
$ 99 4-Bromofluorobenzene (Surr)	95	12.741	12.742	(0.907)	588778	20.0000	19.9246
11 Ethylene Oxide	43	5.197	5.198	(0.607)	1344218	3750.00	3290.88
14 Dichlorofluoromethane	67	5.532	5.534	(0.646)	1731366	30.0000	28.8608
17 1,2-dichloro-1,1,2-trifluoroe	117	5.809	5.810	(0.679)	830852	30.0000	28.6950
21 Propylene Oxide	58	5.917	5.908	(0.691)	2209218	1500.00	1464.78
19 Ethyl Ether	59	5.789	5.790	(0.676)	296094	30.0000	29.3494
20 2,2-dichloro-1,1,1-trifluoroe	83	5.848	5.849	(0.683)	1330004	30.0000	28.9742
23 Trichlorotrifluoroethane	151	6.085	6.096	(0.711)	706955	30.0000	29.0148
18 2-propanol	45	5.789	5.790	(0.676)	226935	600.000	573.235
27 Methyl Acetate	43	6.331	6.332	(0.740)	713204	150.000	140.796(A)
29 Allyl Chloride	41	6.390	6.391	(0.747)	1164794	30.0000	29.0356
30 Carbon Disulfide	76	6.410	6.411	(0.749)	3307190	30.0000	29.2284
34 Methyl t-butyl ether	73	6.686	6.687	(0.781)	846631	30.0000	30.1390
36 Hexane	57	6.903	6.904	(0.604)	1156013	30.0000	27.7857
37 Vinyl acetate	43	7.022	7.023	(0.820)	1212588	60.0000	58.6243
41 ETBE	59	7.347	7.348	(0.858)	7133532	150.000	150.438(A)
42 Ethyl Acetate	43	7.505	7.496	(0.877)	456266	60.0000	57.9083

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44	2-Butanol	45	7.564	7.565	(0.884)	386006	900.000	884.415
51	Tetrahydrofuran	42	7.840	7.841	(0.916)	95894	60.0000	55.2150
55	Cyclohexane	56	8.126	8.127	(0.949)	1389724	30.0000	29.8764
59	TAME	73	8.343	8.344	(0.975)	5141813	150.000	152.005(A)
65	2-Pentanone	43	8.935	8.926	(1.044)	620974	120.000	117.176(A)
67	Methyl Cyclohexane	55	9.083	9.084	(1.061)	1205776	30.0000	29.5582
66	Methyl Methacrylate	100	9.023	9.024	(1.054)	111466	60.0000	62.4121(A)
73	2-nitropropane	41	9.477	9.478	(1.107)	54331	30.0000	29.6332
72	2-Chloroethyl vinyl ether	63	9.467	9.458	(1.106)	153949	30.0000	31.6567
78	Ethyl methacrylate	69	10.118	10.119	(0.885)	693717	60.0000	63.2243(A)
85	Tetrahydrothiophene	60	10.867	10.859	(0.951)	164770	30.0000	28.4625
97	cis-1,4-dichloro-2-butene	53	12.573	12.574	(0.895)	82955	30.0000	30.2541
101	t-1,4-Dichloro-2-butene	53	12.869	12.870	(0.916)	71771	30.0000	28.3093
115	1,2,3-Trimethylbenzene	105	14.082	14.083	(1.003)	2347744	30.0000	30.4754
119	Tetralin	104	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: RR6358.D

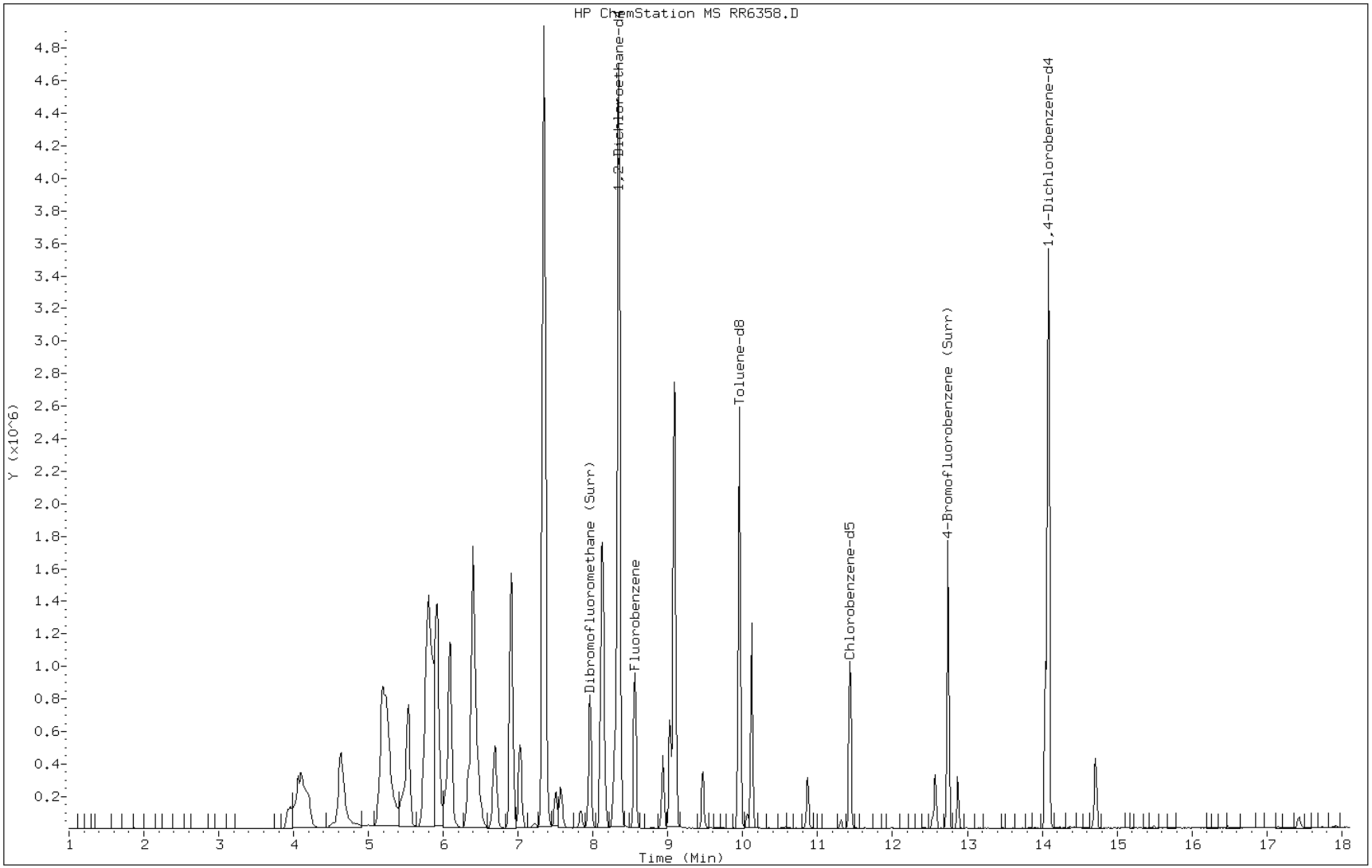
Date: 14-JUN-2012 09:01

Client ID:

Instrument: R2.i

Sample Info: IC,,S 30 15uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6359.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 09:23
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 60 30uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.561	8.561	(1.000)	994747	12.5000	
*	88 Chlorobenzene-d5	119	11.431	11.431	(1.000)	215765	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.044	14.044	(1.000)	315971	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.959	7.959	(0.930)	921546	30.0000	29.8008
$	58 1,2-Dichloroethane-d4	65	8.285	8.285	(0.968)	642490	30.0000	30.8196
$	76 Toluene-d8	98	9.951	9.951	(0.871)	2745828	30.0000	29.1950
$	99 4-Bromofluorobenzene (Surr)	95	12.742	12.742	(0.907)	845979	30.0000	28.8747
	11 Ethylene Oxide	43	5.198	5.198	(0.607)	2628170	7500.00	6746.98
	14 Dichlorofluoromethane	67	5.534	5.534	(0.646)	3377999	60.0000	59.0462
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.810	5.810	(0.679)	1615151	60.0000	58.4938
	21 Propylene Oxide	58	5.908	5.908	(0.690)	4608379	3000.00	3204.03(A)
	19 Ethyl Ether	59	5.790	5.790	(0.676)	598821	60.0000	62.2415(A)
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.849	5.849	(0.683)	2539571	60.0000	58.0140
	23 Trichlorotrifluoroethane	151	6.096	6.096	(0.712)	1368632	60.0000	58.9018
	18 2-propanol	45	5.790	5.790	(0.676)	450596	1200.00	1193.53
	27 Methyl Acetate	43	6.332	6.332	(0.740)	1458495	300.000	301.923(A)
	29 Allyl Chloride	41	6.391	6.391	(0.747)	2219226	60.0000	58.0092
	30 Carbon Disulfide	76	6.411	6.411	(0.749)	6368567	60.0000	59.0203
	34 Methyl t-butyl ether	73	6.687	6.687	(0.781)	1772366	60.0000	66.1609(A)
	36 Hexane	57	6.904	6.904	(0.604)	2144701	60.0000	53.1883
	37 Vinyl acetate	43	7.023	7.023	(0.820)	2488215	120.000	126.144(A)
	41 ETBE	59	7.348	7.348	(0.858)	14918883	300.000	329.917(A)
	42 Ethyl Acetate	43	7.496	7.496	(0.876)	937859	120.000	124.817(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44	2-Butanol	45	7.565	7.565	(0.884)	814851	1800.00	1957.73(A)
51	Tetrahydrofuran	42	7.841	7.841	(0.916)	201395	120.000	121.598(A)
55	Cyclohexane	56	8.127	8.127	(0.949)	2578788	60.0000	58.1338
59	TAME	73	8.344	8.344	(0.975)	11016897	300.000	341.519(A)
65	2-Pentanone	43	8.926	8.926	(1.043)	1173486	240.000	232.198(A)
67	Methyl Cyclohexane	55	9.084	9.084	(1.061)	2234675	60.0000	57.4434
66	Methyl Methacrylate	100	9.024	9.024	(1.054)	243050	120.000	142.704(A)
73	2-nitropropane	41	9.478	9.478	(1.107)	119190	60.0000	68.1687(A)
72	2-Chloroethyl vinyl ether	63	9.458	9.458	(1.105)	341903	60.0000	73.7233(A)
78	Ethyl methacrylate	69	10.119	10.119	(0.885)	1414991	120.000	133.060(A)
85	Tetrahydrothiophene	60	10.859	10.859	(0.950)	379046	60.0000	66.0094(A)
97	cis-1,4-dichloro-2-butene	53	12.574	12.574	(0.895)	185188	60.0000	66.0296(A)
101	t-1,4-Dichloro-2-butene	53	12.870	12.870	(0.916)	160219	60.0000	61.2894(A)
115	1,2,3-Trimethylbenzene	105	14.083	14.083	(1.003)	4748781	60.0000	60.2649(A)
119	Tetralin	104	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: RR6359.D

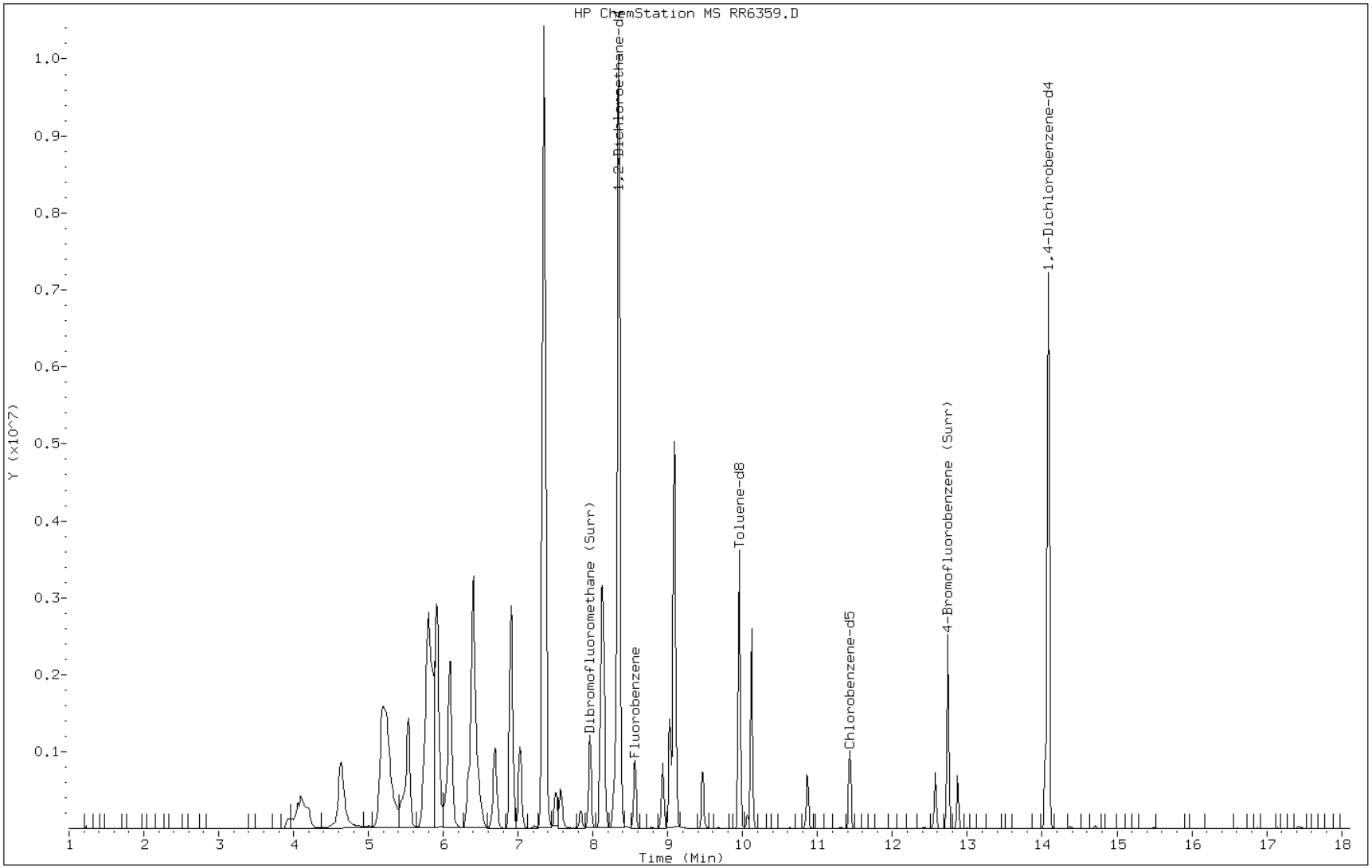
Date: 14-JUN-2012 09:23

Client ID:

Instrument: R2.i

Sample Info: IC,,S 60 30uL

Operator: DOBRANSKYM



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30334-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-124226/3	RR6388.D
Level 2	IC 280-124226/4	RR6389.D
Level 3	IC 280-124226/5	RR6390.D
Level 4	IC 280-124226/6	RR6391.D
Level 5	IC 280-124226/7	RR6392.D
Level 6	IC 280-124226/8	RR6393.D
Level 7	IC 280-124226/9	RR6394.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloroethene, Total	+++++ 0.3349	0.3657 0.3326	0.3326	0.3842	0.3324	Ave		0.3471				6.5		15.0			
Xylenes, Total	+++++ 2.4369	2.2788 2.4230	2.1435	2.6018	2.2827	Ave		2.3611				6.8		15.0			
Ethanol	+++++ 0.0007	+++++ 0.0008	0.0007	0.0009	0.0008	Ave		0.0008				9.9		15.0			
Dichlorodifluoromethane	+++++ 0.3461	0.3173 0.3138	0.3334	0.4054	0.3531	Ave		0.3448				9.7		15.0			
Chloromethane	+++++ 0.2775	0.3256 0.2696	0.2861	0.3354	0.2872	Ave		0.2969			0.1000	9.1		15.0			
Vinyl chloride	+++++ 0.3153	0.2985 0.2967	0.3060	0.3733	0.3253	Ave		0.3192				9.0		30.0			
Bromomethane	+++++ 0.2794	0.3159 0.2714	0.2935	0.3328	0.2987	Ave		0.2986				7.6		15.0			
Chloroethane	+++++ 0.1892	0.2370 0.1821	0.2019	0.2287	0.1989	Ave		0.2063				10.6		15.0			
Trichlorofluoromethane	+++++ 0.5501	0.4556 0.5094	0.5430	0.6310	0.5500	Ave		0.5398				10.7		15.0			
Acrolein	+++++ 0.0128	+++++ 0.0126	0.0121	0.0135	0.0126	Ave		0.0127				3.9		15.0			
Acetone	+++++ 0.0230	0.0497 0.0214	0.0344	0.0315	0.0241	Lin	-0.567	0.0210							0.9991		
1,1-Dichloroethene	+++++ 0.3123	0.3697 0.3079	0.3248	0.3712	0.3263	Ave		0.3354				8.4		30.0			
Iodomethane	+++++ 0.6530	0.7307 0.6699	0.6474	0.7568	0.6598	Ave		0.6862				6.7		15.0			
Acetonitrile	+++++ 0.0076	0.0096 0.0075	0.0095	0.0102	0.0084	Ave		0.0088				12.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30334-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Butanone (MEK)	+++++ 0.0351	0.0372 0.0338	0.0333	0.0369	0.0337	Ave		0.0350				4.9		15.0			
2-Methyl-2-propanol	+++++ 0.0059	0.0059 0.0060	0.0057	0.0067	0.0059	Ave		0.0060				5.8		15.0			
Methylene Chloride	+++++ 0.2619	0.3766 0.2549	0.3066	0.3286	0.2705	Lin	-0.066	0.2523							0.9997		
1,4-Dioxane	+++++ 0.0007	+++++ 0.0007	0.0006	0.0008	0.0007	Ave		0.0007				9.5		15.0			
Acrylonitrile	+++++ 0.0264	0.0273 0.0252	0.0253	0.0303	0.0262	Ave		0.0268				7.0		15.0			
trans-1,2-Dichloroethene	+++++ 0.3438	0.3914 0.3385	0.3487	0.4004	0.3469	Ave		0.3616				7.4		15.0			
Isopropyl ether	+++++ 0.1629	0.1577 0.1670	0.1514	0.1781	0.1593	Ave		0.1627				5.6		15.0			
1,1-Dichloroethane	+++++ 0.5776	0.6154 0.5738	0.5818	0.6667	0.5775	Ave		0.5988			0.1000	6.1		15.0			
2-Chloro-1,3-butadiene	+++++ 0.5750	0.5840 0.5583	0.5302	0.6375	0.5513	Ave		0.5727				6.4		15.0			
cis-1,2-Dichloroethene	+++++ 0.3260	0.3399 0.3267	0.3164	0.3680	0.3180	Ave		0.3325				5.8		15.0			
Propionitrile	+++++ 0.0094	+++++ 0.0093	0.0088	0.0106	0.0094	Ave		0.0095				7.0		15.0			
2,2-Dichloropropane	+++++ 0.4564	0.5149 0.4527	0.4697	0.5339	0.4638	Ave		0.4819				7.0		15.0			
Methacrylonitrile	+++++ 0.0507	0.0509 0.0497	0.0490	0.0584	0.0499	Ave		0.0514				6.8		15.0			
Chlorobromomethane	+++++ 0.1253	0.1256 0.1249	0.1174	0.1384	0.1218	Ave		0.1256				5.6		15.0			
Chloroform	0.7018 0.5654	0.6002 0.5654	0.5420	0.6325	0.5475	Ave		0.5936				9.6		30.0			
Isobutyl alcohol	+++++ 0.0021	0.0021 0.0021	0.0019	0.0023	0.0021	Ave		0.0021				5.4		15.0			
1,1,1-Trichloroethane	+++++ 0.5398	0.5604 0.5381	0.5086	0.6014	0.5294	Ave		0.5463				5.8		15.0			
1,1-Dichloropropene	+++++ 0.4904	0.5172 0.4754	0.4616	0.5418	0.4745	Ave		0.4935				6.2		15.0			
Carbon tetrachloride	+++++ 0.5071	0.5283 0.4983	0.4872	0.5698	0.4973	Ave		0.5147				5.9		15.0			
1,2-Dichloroethane	0.1839 0.2529	0.2524 0.2478	0.2374	0.2759	0.2468	Ave		0.2424				11.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30334-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzene	1.3794 1.1215	1.1783 1.1061	1.0595	1.2275	1.0686	Ave		1.1630				9.7		15.0			
Trichloroethene	+++++ 0.3540	0.3556 0.3489	0.3253	0.3912	0.3315	Ave		0.3511				6.6		15.0			
1,2-Dichloropropane	+++++ 0.2479	0.2579 0.2453	0.2292	0.2771	0.2411	Ave		0.2498				6.5		30.0			
Dibromomethane	+++++ 0.1184	0.1221 0.1171	0.1106	0.1300	0.1155	Ave		0.1189				5.6		15.0			
Dichlorobromomethane	0.3777 0.3289	0.3144 0.3263	0.3052	0.3557	0.3157	Ave		0.3320				7.8		15.0			
cis-1,3-Dichloropropene	0.3930 0.3348	0.3113 0.3355	0.2947	0.3572	0.3136	Ave		0.3343				9.8		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.0791	0.0738 0.0769	0.0720	0.0859	0.0779	Ave		0.0776				6.2		15.0			
Toluene	+++++ 1.1533	1.1029 1.1581	1.1003	1.3093	1.1403	Ave		1.1607				6.6		30.0			
trans-1,3-Dichloropropene	+++++ 0.2479	0.2190 0.2431	0.2216	0.2605	0.2349	Ave		0.2378				6.7		15.0			
1,1,2-Trichloroethane	+++++ 0.1209	0.1173 0.1209	0.1191	0.1372	0.1176	Ave		0.1222				6.2		15.0			
2-Hexanone	+++++ 0.2538	0.2666 0.2403	0.2208	0.2731	0.2481	Ave		0.2504				7.5		15.0			
1,3-Dichloropropane	1.3392 1.0475	1.0467 1.0128	0.9185	1.1279	1.0132	Ave		1.0722				12.4		15.0			
Tetrachloroethene	+++++ 1.5891	1.5834 1.5523	1.3930	1.6618	1.4896	Ave		1.5449				6.0		15.0			
Chlorodibromomethane	1.0504 0.9635	0.9278 0.9492	0.8527	1.0055	0.9060	Ave		0.9507				6.8		15.0			
Ethylene Dibromide	+++++ 0.6473	0.6256 0.6330	0.5965	0.7015	0.6130	Ave		0.6361				5.7		15.0			
1,2,3-Trichloropropane	+++++ 0.0991	0.0927 0.0975	0.0917	0.1074	0.0953	Ave		0.0973				5.9		15.0			
1-Chlorohexane	+++++ 2.2955	2.1766 2.1844	2.0825	2.5200	2.1975	Ave		2.2427				6.8		15.0			
Chlorobenzene	4.4599 3.5035	3.4649 3.4801	3.2431	3.8174	3.3737	Ave		3.6204			0.3000	11.3		15.0			
Ethylbenzene	+++++ 2.0372	1.9247 2.0126	1.7973	2.2268	1.9423	Ave		1.9901				7.2		30.0			
1,1,1,2-Tetrachloroethane	1.3159 1.2346	1.2181 1.2472	1.0588	1.2812	1.1347	Ave		1.2129				7.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30334-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
m-Xylene & p-Xylene	+++++ 2.5300	2.3273 2.5051	2.2303	2.6941	2.3575	Ave		2.4407				6.9		15.0			
o-Xylene	+++++ 2.2506	2.1817 2.2589	1.9699	2.4172	2.1332	Ave		2.2019				6.8		15.0			
Styrene	+++++ 3.4062	2.8335 3.4929	2.8118	3.5436	3.1742	Ave		3.2104				10.2		15.0			
Bromoform	+++++ 0.5491	0.5335 0.5411	0.4751	0.5884	0.5086	Ave		0.5326			0.1000	7.2		15.0			
Isopropylbenzene	+++++ 4.2496	3.9756 4.2926	3.8576	4.7375	4.0723	Ave		4.1975				7.4		15.0			
Cyclohexanone	+++++ 0.0134	0.0139 0.0126	0.0115	0.0136	0.0123	Ave		0.0129				7.1		15.0			
1,1,2,2-Tetrachloroethane	0.5781 0.3833	0.3886 0.3788	0.3638	0.4312	0.3776	Lin1	-0.010	0.3801			0.3000				0.9990		0.9900
Bromobenzene	+++++ 0.9898	0.9184 1.0381	0.8675	1.0567	0.9247	Ave		0.9659				7.7		15.0			
N-Propylbenzene	+++++ 1.1509	1.0902 1.1871	1.0553	1.2762	1.1237	Ave		1.1473				6.8		15.0			
1,3,5-Trimethylbenzene	+++++ 3.4751	3.1116 3.5744	3.0015	3.6763	3.2187	Ave		3.3429				8.1		15.0			
2-Chlorotoluene	+++++ 1.0102	0.9744 1.0398	0.9149	1.1111	0.9547	Ave		1.0008				6.9		15.0			
4-Chlorotoluene	+++++ 0.9528	0.9159 0.9714	0.9008	1.0562	0.9141	Ave		0.9519				6.1		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.0649	+++++ 0.0662	0.0576	0.0664	0.0619	Ave		0.0634				5.9		15.0			
tert-Butylbenzene	+++++ 3.0016	2.9048 3.0432	2.6601	3.2771	2.8990	Ave		2.9643				6.8		15.0			
1,2,4-Trimethylbenzene	+++++ 3.2867	3.1779 3.3990	2.9581	3.6188	3.1301	Ave		3.2618				7.0		15.0			
sec-Butylbenzene	+++++ 0.9381	0.8554 0.9396	0.8218	1.0370	0.8927	Ave		0.9141				8.3		15.0			
4-Isopropyltoluene	+++++ 3.8983	3.6773 3.9027	3.3656	4.1995	3.6142	Ave		3.7763				7.6		15.0			
1,3-Dichlorobenzene	+++++ 1.8700	1.8910 1.8875	1.7600	2.0171	1.7738	Ave		1.8666				5.0		15.0			
1,4-Dichlorobenzene	2.1790 1.7789	1.7912 1.7738	1.6262	1.9363	1.6887	Ave		1.8249				10.0		15.0			
n-Butylbenzene	+++++ 3.9317	3.9826 3.9162	3.5772	4.3239	3.6707	Ave		3.9004				6.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30334-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	+++++ 1.4437	1.4329 1.4552	1.3129	1.5697	1.3620	Ave		1.4294				6.2		15.0			
Naphthalene	+++++ 0.9993	0.9257 1.0134	0.8148	1.0076	0.9250	Ave		0.9476				8.1		15.0			
1,2,4-Trichlorobenzene	+++++ 1.0544	1.1130 1.0635	0.8897	1.0742	0.9728	Ave		1.0279				8.0		15.0			
Hexachlorobutadiene	1.1716 0.9616	0.9996 0.9351	0.8515	1.0203	0.8702	Ave		0.9728				11.0		15.0			
1,2,3-Trichlorobenzene	+++++ 0.7783	0.7770 0.7847	0.7115	0.8103	0.7401	Ave		0.7670				4.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30334-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-124226/3	RR6388.D
Level 2	IC 280-124226/4	RR6389.D
Level 3	IC 280-124226/5	RR6390.D
Level 4	IC 280-124226/6	RR6391.D
Level 5	IC 280-124226/7	RR6392.D
Level 6	IC 280-124226/8	RR6393.D
Level 7	IC 280-124226/9	RR6394.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloroethene, Total	FB	Ave	+++++ 1876476	62803 4057069	111075	317955	601701	+++++ 60.0	2.00 120	4.00	10.0	20.0
Xylenes, Total	CBZ	Ave	+++++ 4233844	114808 9368163	231307	692589	1318478	+++++ 90.0	3.00 180	6.00	15.0	30.0
Ethanol	FB	Ave	+++++ 104745	+++++ 235730	5696	18469	36228	+++++ 1500	+++++ 3000	100	250	500
Dichlorodifluoromethane	FB	Ave	+++++ 969592	27244 1913520	55682	167730	319515	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloromethane	FB	Ave	+++++ 777372	27960 1644300	47781	138774	259867	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 883176	25635 1809301	51093	154436	294376	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromomethane	FB	Ave	+++++ 782617	27125 1655442	49018	137682	270270	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroethane	FB	Ave	+++++ 530103	20351 1110468	33724	94606	179954	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 1541013	39125 3106492	90681	261061	497723	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acrolein	FB	Ave	+++++ 357758	+++++ 770894	20141	55657	113878	+++++ 300	+++++ 600	20.0	50.0	100
Acetone	FB	Lin	+++++ 257466	17086 522936	22970	52072	87133	+++++ 120	4.00 240	8.00	20.0	40.0
1,1-Dichloroethene	FB	Ave	+++++ 874743	31745 1877764	54248	153566	295287	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Iodomethane	FB	Ave	+++++ 1829151	62743 4085287	108107	313107	597109	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acetonitrile	FB	Ave	+++++ 211668	8241 458541	15877	42175	76318	+++++ 300	10.0 600	20.0	50.0	100
2-Butanone (MEK)	FB	Ave	+++++ 393752	12774 823447	22221	61056	121857	+++++ 120	4.00 240	8.00	20.0	40.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30334-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Methyl-2-propanol	FB	Ave	+++++ 329867	10216 733287	19150	55676	107088	+++++ 600	20.0 1200	40.0	100	200
Methylene Chloride	FB	Lin	+++++ 733686	32336 1554552	51204	135972	244805	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dioxane	FB	Ave	+++++ 99904	+++++ 210678	4917	15860	30176	+++++ 1500	+++++ 3000	100	250	500
Acrylonitrile	FB	Ave	+++++ 739916	23472 1536241	42329	125272	237416	+++++ 300	10.0 600	20.0	50.0	100
trans-1,2-Dichloroethene	FB	Ave	+++++ 963142	33613 2064700	58238	165680	313903	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Isopropyl ether	FB	Ave	+++++ 2281827	67707 5091301	126447	368483	720939	+++++ 150	5.00 300	10.0	25.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 1618005	52845 3499530	97150	275830	522606	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 1610782	50145 3404770	88541	263779	498874	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 913334	29190 1992369	52837	152275	287798	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Propionitrile	FB	Ave	+++++ 261936	+++++ 565986	14654	43786	85062	+++++ 300	+++++ 600	20.0	50.0	100
2,2-Dichloropropane	FB	Ave	+++++ 1278653	44217 2760959	78431	220883	419761	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Methacrylonitrile	FB	Ave	+++++ 1421494	43667 3030913	81762	241598	451726	+++++ 300	10.0 600	20.0	50.0	100
Chlorobromomethane	FB	Ave	+++++ 351070	10787 761765	19604	57272	110200	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroform	FB	Ave	18171 1583967	51541 3448295	90512	261677	495511	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Isobutyl alcohol	FB	Ave	+++++ 115790	3565 251476	6444	18829	37215	+++++ 600	20.0 1200	40.0	100	200
1,1,1-Trichloroethane	FB	Ave	+++++ 1512290	48119 3281463	84940	248817	479120	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 1373881	44415 2899163	77089	224178	429396	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 1420630	45366 3038969	81358	235771	450016	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichloroethane	FB	Ave	7936 708403	21672 1511106	39643	114137	223306	0.500 30.0	1.00 60.0	2.00	5.00	10.0
Benzene	FB	Ave	35715 3141757	101178 6745735	176931	507892	967058	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Trichloroethene	FB	Ave	+++++ 991787	30532 2127679	54326	161844	300035	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30334-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloropropane	FB	Ave	+++++ 694574	22149 1495870	38283	114669	218163	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dibromomethane	FB	Ave	+++++ 331594	10485 714016	18472	53804	104481	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dichlorobromomethane	FB	Ave	9779 921244	26994 1989941	50970	147167	285737	0.300 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	10176 937879	26732 2045848	49213	147786	283823	0.300 30.0	1.00 60.0	2.00	5.00	10.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	+++++ 886461	25356 1877122	48086	142159	282047	+++++ 120	4.00 240	8.00	20.0	40.0
Toluene	FB	Ave	+++++ 3230723	94708 7062780	183738	541709	1031955	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
trans-1,3-Dichloropropene	FB	Ave	+++++ 694543	18805 1482375	37003	107766	212539	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,2-Trichloroethane	FB	Ave	+++++ 338681	10072 737265	19895	56756	106401	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Hexanone	CBZ	Ave	+++++ 587901	17906 1238894	31766	96918	191078	+++++ 120	4.00 240	8.00	20.0	40.0
1,3-Dichloropropane	CBZ	Ave	7344 606627	17578 1305219	33038	100083	195065	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Tetrachloroethene	CBZ	Ave	+++++ 920319	26592 2000513	50108	147458	286783	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorodibromomethane	CBZ	Ave	5760 557985	15582 1223273	30670	89221	174428	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylene Dibromide	CBZ	Ave	+++++ 374886	10506 815744	21457	62243	118028	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 91077	2521 193520	4968	14582	28405	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1-Chlorohexane	CBZ	Ave	+++++ 1329385	36554 2815227	74908	223604	423079	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorobenzene	CBZ	Ave	24457 2028987	58189 4485069	116655	338730	649530	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 1179831	32323 2593746	64648	197590	373941	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	7216 715019	20456 1607419	38086	113682	218470	0.300 30.0	1.00 60.0	2.00	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	+++++ 2930423	78169 6456936	160449	478103	907786	+++++ 60.0	2.00 120	4.00	10.0	20.0
o-Xylene	CBZ	Ave	+++++ 1303421	36639 2911227	70858	214486	410692	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Styrene	CBZ	Ave	+++++ 1972668	47585 4501646	101139	314431	611115	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30334-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromoform	CBZ	Ave	+++++ 317999	8959 697345	17091	52208	97921	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Isopropylbenzene	DCB	Ave	+++++ 3904794	108169 8521869	208984	643097	1214101	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Cyclohexanone	CBZ	Ave	+++++ 310036	9319 648328	16548	48438	94686	+++++ 1200	40.0 2400	80.0	200	400
1,1,2,2-Tetrachloroethane	DCB	Lin1	4503 352180	10573 752032	19707	58527	112566	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Bromobenzene	DCB	Ave	+++++ 909471	24989 2060966	46999	143447	275687	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
N-Propylbenzene	DCB	Ave	+++++ 1057544	29664 2356619	57172	173244	335024	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 3193116	84663 7096193	162604	499040	959611	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Chlorotoluene	DCB	Ave	+++++ 928221	26511 2064231	49565	150821	284641	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Chlorotoluene	DCB	Ave	+++++ 875452	24920 1928388	48799	143374	272541	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 59651	+++++ 131507	3120	9020	18468	+++++ 30.0	+++++ 60.0	2.00	5.00	10.0
tert-Butylbenzene	DCB	Ave	+++++ 2758088	79036 6041554	144110	444852	864300	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 3019990	86467 6748010	160252	491228	933196	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
sec-Butylbenzene	DCB	Ave	+++++ 862018	23275 1865257	44523	140764	266157	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Isopropyltoluene	DCB	Ave	+++++ 3582028	100055 7747914	182332	570066	1077544	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 1718306	51451 3747144	95345	273807	528843	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	16973 1634592	48736 3521412	88099	262849	503454	0.300 30.0	1.00 60.0	2.00	5.00	10.0
n-Butylbenzene	DCB	Ave	+++++ 3612731	108362 7774732	193792	586947	1094377	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 1326574	38988 2889015	71123	213082	406080	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Naphthalene	DCB	Ave	+++++ 918216	25188 2011769	44143	136778	275771	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 968879	30282 2111392	48198	145822	290025	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Hexachlorobutadiene	DCB	Ave	9126 883618	27199 1856369	46128	138497	259455	0.300 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30334-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 715189	21142 1557829	38545	110001	220652	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6388.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 07:37
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 0.3 1.5uL 10x LOT:DF700
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.559	8.559	(1.000)	1078825	12.5000	
*	88 Chlorobenzene-d5	119	11.428	11.428	(1.000)	228488	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.042	14.042	(1.000)	324560	12.5000	
M	2 1,2-Dichloroethene (total)	96				22957	0.60000	0.766838(a)
M	1 Trihalomethanes (total)	100				37600	1.20000	1.42702
M	4 1,3-Dichloropropene (total)	100				17509	0.60000	0.709969(a)
M	3 Xylene (total)	106				46053	0.90000	1.06647
	7 dichlorodifluoromethane	85	4.447	4.447	(0.520)	8914	0.30000	0.299511(aQ)
	9 Chloromethane	50	4.693	4.693	(0.548)	10206	0.30000	0.398292(a)
	10 Vinyl Chloride	62	4.871	4.871	(0.569)	9638	0.30000	0.349891(a)
	12 Bromomethane	94	5.275	5.275	(0.616)	14088	0.30000	0.546646(a)
	13 Chloroethane	64	5.334	5.334	(0.623)	7614	0.30000	0.427646(a)
	15 Trichlorofluoromethane	101	5.650	5.650	(0.660)	16339	0.30000	0.350683(a)
	16 Ethanol	45	Compound Not Detected.					
	22 Acrolein	56	5.965	5.965	(0.697)	2465	3.00000	2.24863(a)
	24 Acetone	43	6.084	6.084	(0.711)	11501	1.20000	-0.741963(a)
	25 1,1-Dichloroethene	96	6.103	6.103	(0.713)	10624	0.30000	0.367062(a)
	26 Iodomethane	142	6.301	6.301	(0.736)	22009	0.30000	0.371607(a)
	28 Acetonitrile	41	6.340	6.340	(0.741)	3620	3.00000	4.76581(a)
	31 tert-Butyl alcohol	59	6.449	6.449	(0.753)	1941	6.00000	3.72484(a)
	32 Methylene Chloride	84	6.498	6.498	(0.759)	15163	0.30000	-0.124289(a)
	33 Acrylonitrile	53	6.685	6.685	(0.781)	8422	3.00000	3.64123(a)

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
35 trans-1,2-Dichloroethene	96	6.744	6.744	(0.788)	11797	0.30000	0.377966(a)
38 Isopropyl ether	87	7.030	7.030	(0.821)	23095	1.50000	1.64428(aQ)
39 1,1-Dichloroethane	63	7.099	7.099	(0.829)	19946	0.30000	0.385961(a)
40 Chloroprene	53	7.168	7.168	(0.838)	18557	0.30000	0.375434(a)
43 2-Butanone	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	7.583	7.583	(0.886)	11160	0.30000	0.388872(a)
46 Propionitrile	54	7.602	7.602	(0.888)	2442	3.00000	2.98541(aQ)
47 2,2-Dichloropropane	77	7.612	7.612	(0.889)	16094	0.30000	0.386953(a)
48 Methacrylonitrile	41	7.731	7.731	(0.903)	15925	3.00000	3.58794(a)
49 Bromochloromethane	128	7.800	7.800	(0.911)	3896	0.30000	0.359486(a)
50 Chloroform	83	7.809	7.809	(0.912)	18171	0.30000	0.354713(a)
54 1,1,1-Trichloroethane	97	8.046	8.046	(0.940)	17233	0.30000	0.365510(a)
53 Isobutanol	41	8.026	8.026	(0.938)	1362	6.00000	7.59605(aQ)
56 1,1-Dichloropropene	75	8.155	8.155	(0.953)	16377	0.30000	0.384511(a)
57 Carbon Tetrachloride	117	8.194	8.194	(0.957)	16484	0.30000	0.371099(a)
60 1,2-Dichloroethane	62	8.352	8.352	(0.976)	7936	0.50000	0.379306(a)
61 Benzene	78	8.362	8.362	(0.977)	35715	0.30000	0.355822(a)
63 n-Butanol	56	8.559	8.559	(1.000)	12112	9.00000	29.1906(aQ)
64 Trichloroethene	95	8.874	8.874	(1.037)	11929	0.30000	0.393688(a)
68 1,2-Dichloropropane	63	9.091	9.091	(1.062)	8301	0.30000	0.385077(a)
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	9.220	9.220	(1.077)	3470	0.30000	0.338026(a)
71 Bromodichloromethane	83	9.289	9.289	(1.085)	9779	0.30000	0.341306(a)
74 cis-1,3-Dichloropropene	75	9.673	9.673	(1.130)	10176	0.30000	0.352696(aQ)
75 4-Methyl-2-pentanone	43	9.742	9.742	(1.138)	10237	1.20000	1.52825(a)
77 Toluene	91	10.018	10.018	(1.171)	37607	0.30000	0.375414(a)
79 trans-1,3-Dichloropropene	75	10.156	10.156	(1.187)	7333	0.30000	0.357273(a)
80 1,1,2-Trichloroethane	97	10.354	10.354	(1.210)	3811	0.30000	0.361463(a)
81 2-Hexanone	43	10.511	10.511	(0.920)	6550	1.20000	1.43084(a)
82 1,3-Dichloropropane	76	10.541	10.541	(0.922)	7344	0.30000	0.374701(a)
83 Tetrachloroethene	164	10.561	10.561	(0.924)	11376	0.30000	0.402850(a)
84 Dibromochloromethane	129	10.807	10.807	(0.946)	5760	0.30000	0.331450(a)
86 1,2-Dibromoethane	107	10.985	10.985	(0.961)	4410	0.30000	0.379251(a)
87 1-Chlorohexane	91	11.290	11.290	(0.988)	14768	0.30000	0.360237(aQ)
89 Chlorobenzene	112	11.468	11.468	(1.003)	24457	0.30000	0.369570(a)
90 1,1,1,2-Tetrachloroethane	131	11.517	11.517	(1.008)	7216	0.30000	0.325465(a)
91 Ethylbenzene	106	11.507	11.507	(1.007)	13678	0.30000	0.375999(a)
92 m and p-Xylene	106	11.626	11.626	(1.017)	31978	0.60000	0.716773
93 o-Xylene	106	12.129	12.129	(1.061)	14075	0.30000	0.349699(a)
94 Styrene	104	12.129	12.129	(1.061)	18222	0.30000	0.310520(a)
95 Bromoform	173	12.434	12.434	(1.088)	3890	0.30000	0.399550(a)
96 isopropyl benzene	105	12.513	12.513	(0.891)	41709	0.30000	0.382694(a)
98 Cyclohexanone	55	12.730	12.730	(1.114)	4220	12.0000	17.9253(a)
100 1,1,2,2-Tetrachloroethane	83	12.819	12.819	(0.913)	4503	0.30000	0.334081(a)
102 1,2,3-Trichloropropane	110	Compound Not Detected.					
103 Bromobenzene	156	12.957	12.957	(0.923)	9337	0.30000	0.372303(a)
104 n-Propylbenzene	120	12.957	12.957	(0.923)	11196	0.30000	0.375854(a)
106 2-Chlorotoluene	126	13.125	13.125	(0.935)	9406	0.30000	0.361957(a)
105 1,3,5-Trimethylbenzene	105	13.115	13.115	(0.934)	30875	0.30000	0.355709(a)
107 4-Chlorotoluene	126	13.233	13.233	(0.942)	8831	0.30000	0.357319(a)
108 tert-Butylbenzene	119	13.519	13.519	(0.963)	27711	0.30000	0.360034(a)
109 1,2,4-Trimethylbenzene	105	13.559	13.559	(0.966)	30353	0.30000	0.358398(a)
110 sec-Butylbenzene	134	13.766	13.766	(0.980)	8431	0.30000	0.355218(a)
111 4-Isopropyltoluene	119	13.894	13.894	(0.989)	34216	0.30000	0.348962(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
112	1,3-Dichlorobenzene	146	13.983	13.983	(0.996)	18464	0.30000	0.380978(a)
114	1,4-dichlorobenzene	146	14.071	14.071	(1.002)	16973	0.30000	0.358213(a)
116	n-Butylbenzene	91	14.397	14.397	(1.025)	37045	0.30000	0.365794(a)
117	1,2-Dichlorobenzene	146	14.555	14.555	(1.037)	14325	0.30000	0.385968(a)
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	16.783	16.783	(1.195)	9586	0.30000	0.359158(a)
121	Hexachlorobutadiene	225	16.980	16.980	(1.209)	9126	0.30000	0.361285(a)
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	17.651	17.651	(1.257)	7161	0.30000	0.359577(a)

QC Flag Legend

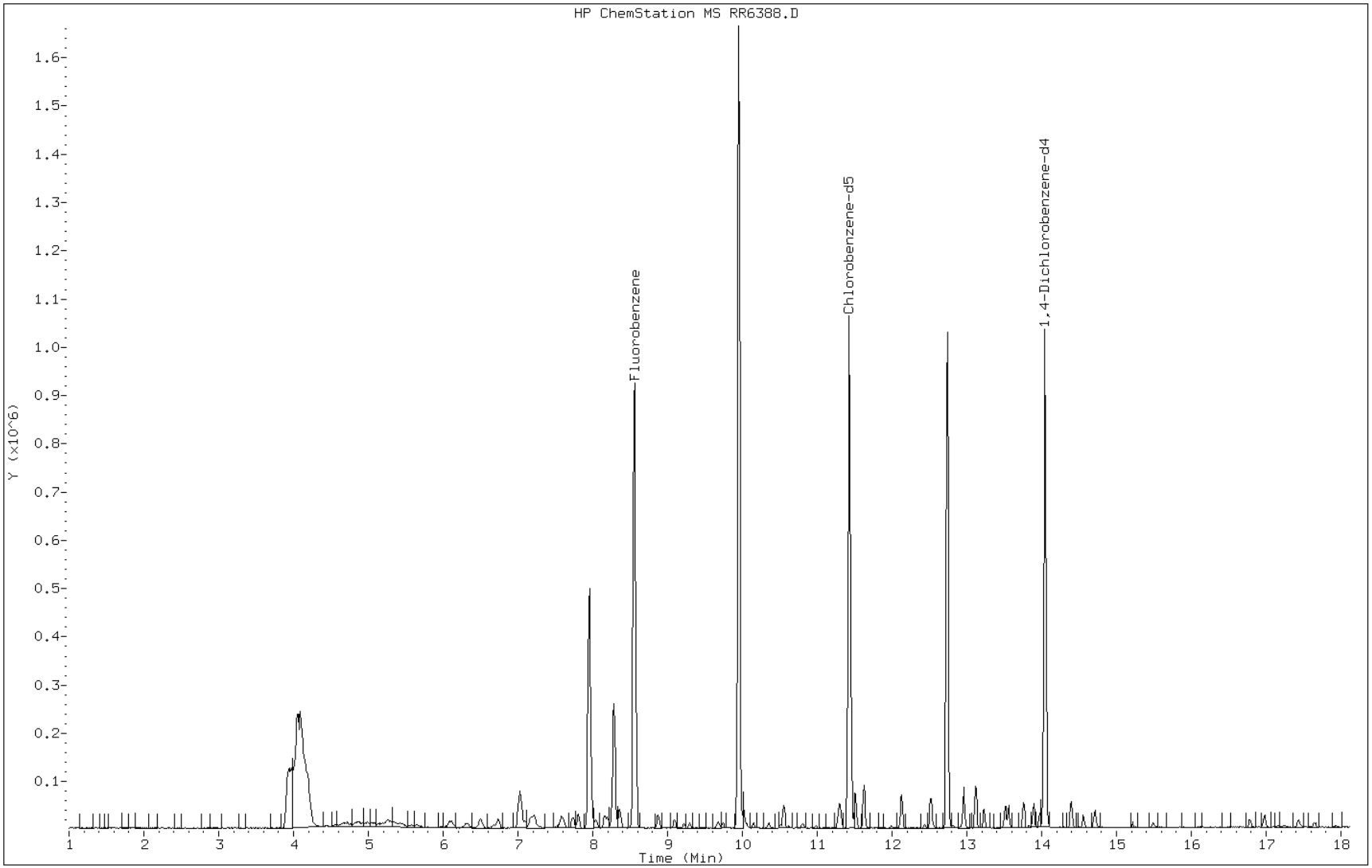
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6388.D

Date: 15-JUN-2012 07:37

Client ID: Instrument: R2.i

Sample Info: IC,,M 0.3 1.5uL 10x LOT:DF700 Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6389.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 08:00
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 1.0 5uL 10x
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 15-JUN-2012 07:37 Cal File: RR6388.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.559	8.559	(1.000)	1073380	12.5000	
*	88 Chlorobenzene-d5	119	11.429	11.429	(1.000)	209925	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.042	14.042	(1.000)	340107	12.5000	
M	2 1,2-Dichloroethene (total)	96				62803	2.00000	2.10468
M	1 Trihalomethanes (total)	100				103076	4.00000	3.93565
M	4 1,3-Dichloropropene (total)	100				45537	2.00000	1.85207
M	3 Xylene (total)	106				114808	3.00000	2.89786
	7 dichlorodifluoromethane	85	4.467	4.467	(0.522)	27244	1.00000	0.920045(aQ)
	9 Chloromethane	50	4.704	4.704	(0.550)	27960	1.00000	1.09668(a)
	10 Vinyl Chloride	62	4.871	4.871	(0.569)	25635	1.00000	0.935356(a)
	12 Bromomethane	94	5.276	5.276	(0.616)	27125	1.00000	1.05785(a)
	13 Chloroethane	64	5.335	5.335	(0.623)	20351	1.00000	1.14883(a)
	15 Trichlorofluoromethane	101	5.660	5.660	(0.661)	39125	1.00000	0.843997(a)
	16 Ethanol	45	Compound Not Detected.					
	22 Acrolein	56	5.976	5.976	(0.698)	10661	10.0000	9.77456(a)
	24 Acetone	43	6.084	6.084	(0.711)	17086	4.00000	2.38629(a)
	25 1,1-Dichloroethene	96	6.104	6.104	(0.713)	31745	1.00000	1.10236
	26 Iodomethane	142	6.301	6.301	(0.736)	62743	1.00000	1.06475
	28 Acetonitrile	41	6.380	6.380	(0.745)	8241	10.0000	10.9045(a)
	31 tert-Butyl alcohol	59	6.449	6.449	(0.753)	10216	20.0000	19.7042(a)
	32 Methylene Chloride	84	6.498	6.498	(0.759)	32336	1.00000	0.671940(a)
	33 Acrylonitrile	53	6.686	6.686	(0.781)	23472	10.0000	10.1995(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.735	6.735	(0.787)	33613	1.00000	1.08239
38 Isopropyl ether	87	7.031	7.031	(0.821)	67707	5.00000	4.84493(a)
39 1,1-Dichloroethane	63	7.100	7.100	(0.829)	52845	1.00000	1.02775
40 Chloroprene	53	7.169	7.169	(0.838)	50145	1.00000	1.01965
43 2-Butanone	43	7.524	7.524	(0.879)	12774	4.00000	4.25216(a)
45 cis-1,2-Dichloroethene	96	7.583	7.583	(0.886)	29190	1.00000	1.02229
46 Propionitrile	54	7.593	7.593	(0.887)	8430	10.0000	10.3582(Q)
47 2,2-Dichloropropane	77	7.613	7.613	(0.889)	44217	1.00000	1.06852(a)
48 Methacrylonitrile	41	7.731	7.731	(0.903)	43667	10.0000	9.88819(a)
49 Bromochloromethane	128	7.800	7.800	(0.911)	10787	1.00000	1.00037
50 Chloroform	83	7.810	7.810	(0.912)	51541	1.00000	1.01123
54 1,1,1-Trichloroethane	97	8.047	8.047	(0.940)	48119	1.00000	1.02577
53 Isobutanol	41	8.017	8.017	(0.937)	3565	20.0000	19.9833(a)
56 1,1-Dichloropropene	75	8.155	8.155	(0.953)	44415	1.00000	1.04810
57 Carbon Tetrachloride	117	8.194	8.194	(0.957)	45366	1.00000	1.02649
60 1,2-Dichloroethane	62	8.352	8.352	(0.976)	21672	1.00000	1.04108
61 Benzene	78	8.362	8.362	(0.977)	101178	1.00000	1.01313
63 n-Butanol	56	8.549	8.549	(0.999)	13171	30.0000	36.7737(a)
64 Trichloroethene	95	8.875	8.875	(1.037)	30532	1.00000	1.01275
68 1,2-Dichloropropane	63	9.092	9.092	(1.062)	22149	1.00000	1.03269
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	9.220	9.220	(1.077)	10485	1.00000	1.02656
71 Bromodichloromethane	83	9.299	9.299	(1.086)	26994	1.00000	0.946921(a)
74 cis-1,3-Dichloropropene	75	9.674	9.674	(1.130)	26732	1.00000	0.931220(a)
75 4-Methyl-2-pentanone	43	9.743	9.743	(1.138)	25356	4.00000	3.80453(a)
77 Toluene	91	10.009	10.009	(1.169)	94708	1.00000	0.950225(a)
79 trans-1,3-Dichloropropene	75	10.147	10.147	(1.185)	18805	1.00000	0.920850(a)
80 1,1,2-Trichloroethane	97	10.364	10.364	(1.211)	10072	1.00000	0.960149(a)
81 2-Hexanone	43	10.502	10.502	(0.919)	17906	4.00000	4.25742(a)
82 1,3-Dichloropropane	76	10.541	10.541	(0.922)	17578	1.00000	0.976159(a)
83 Tetrachloroethene	164	10.561	10.561	(0.924)	26592	1.00000	1.02495
84 Dibromochloromethane	129	10.808	10.808	(0.946)	15582	1.00000	0.975929(a)
86 1,2-Dibromoethane	107	10.985	10.985	(0.961)	10506	1.00000	0.983387(a)
87 1-Chlorohexane	91	11.291	11.291	(0.988)	36554	1.00000	0.970512(aQ)
89 Chlorobenzene	112	11.459	11.459	(1.003)	58189	1.00000	0.957048(a)
90 1,1,1,2-Tetrachloroethane	131	11.508	11.508	(1.007)	20456	1.00000	1.00422
91 Ethylbenzene	106	11.508	11.508	(1.007)	32323	1.00000	0.967108(a)
92 m and p-Xylene	106	11.626	11.626	(1.017)	78169	2.00000	1.90706
93 o-Xylene	106	12.119	12.119	(1.060)	36639	1.00000	0.990806
94 Styrene	104	12.129	12.129	(1.061)	47585	1.00000	0.882598(a)
95 Bromoform	173	12.435	12.435	(1.088)	8959	1.00000	1.00157
96 isopropyl benzene	105	12.514	12.514	(0.891)	108169	1.00000	0.947119(a)
98 Cyclohexanone	55	12.711	12.711	(1.112)	9319	40.0000	43.0846
100 1,1,2,2-Tetrachloroethane	83	12.819	12.819	(0.913)	10573	1.00000	0.900203(a)
102 1,2,3-Trichloropropane	110	12.908	12.908	(0.919)	2521	1.00000	0.952499(aQ)
103 Bromobenzene	156	12.957	12.957	(0.923)	24989	1.00000	0.950862(a)
104 n-Propylbenzene	120	12.957	12.957	(0.923)	29664	1.00000	0.950309(a)
106 2-Chlorotoluene	126	13.125	13.125	(0.935)	26511	1.00000	0.973548(a)
105 1,3,5-Trimethylbenzene	105	13.115	13.115	(0.934)	84663	1.00000	0.930809(a)
107 4-Chlorotoluene	126	13.234	13.234	(0.942)	24920	1.00000	0.962218(a)
108 tert-Butylbenzene	119	13.510	13.510	(0.962)	79036	1.00000	0.979932(a)
109 1,2,4-Trimethylbenzene	105	13.559	13.559	(0.966)	86467	1.00000	0.974302(a)
110 sec-Butylbenzene	134	13.756	13.756	(0.980)	23275	1.00000	0.935806(a)
111 4-Isopropyltoluene	119	13.894	13.894	(0.989)	100055	1.00000	0.973794(a)

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
112 1,3-Dichlorobenzene	146	13.973	13.973	(0.995)	51451	1.00000	1.01309
114 1,4-dichlorobenzene	146	14.072	14.072	(1.002)	48736	1.00000	0.981550(a)
116 n-Butylbenzene	91	14.387	14.387	(1.025)	108362	1.00000	1.02109
117 1,2-Dichlorobenzene	146	14.555	14.555	(1.037)	38988	1.00000	1.00246
118 1,2-Dibromo-3-chloropropane	157	15.561	15.561	(1.108)	1355	1.00000	0.785141(aQ)
120 1,2,4-Trichlorobenzene	180	16.784	16.784	(1.195)	30282	1.00000	1.08271
121 Hexachlorobutadiene	225	16.981	16.981	(1.209)	27199	1.00000	1.02755
122 Naphthalene	128	17.237	17.237	(1.228)	25188	1.00000	0.976895(a)
123 1,2,3-Trichlorobenzene	180	17.651	17.651	(1.257)	21142	1.00000	1.01308

QC Flag Legend

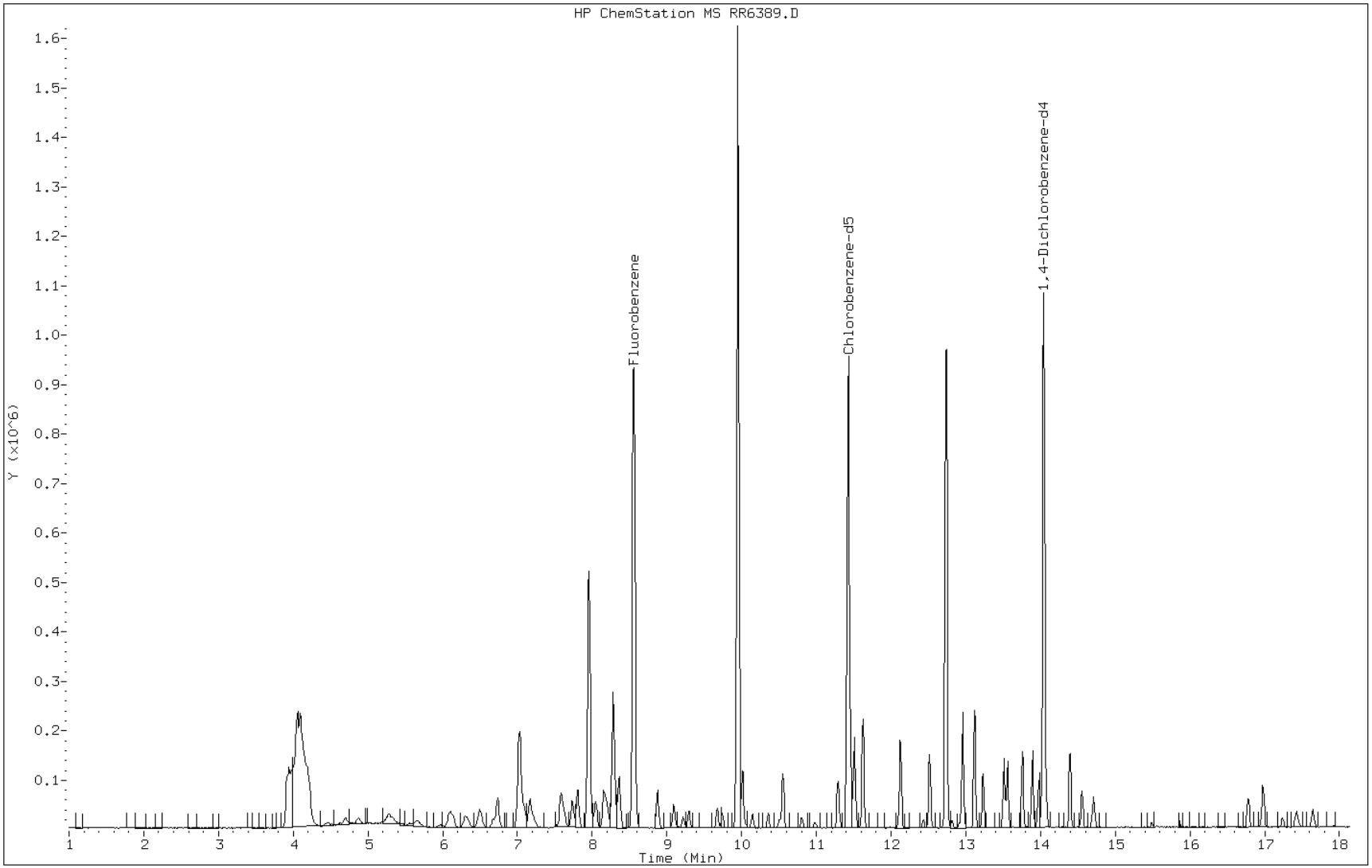
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6389.D

Date: 15-JUN-2012 08:00

Client ID: Instrument: R2.i

Sample Info: IC,,M 1.0 5uL 10x Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6390.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 08:22
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 2.0 10uL 10x
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 07:32 Cal File: RR6354.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.560	8.560	(1.000)	1043719	12.5000	
*	88 Chlorobenzene-d5	119	11.430	11.430	(1.000)	224813	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.043	14.043	(1.000)	338590	12.5000	
M	2 1,2-Dichloroethene (total)	96				111075	4.00000	3.83170
M	1 Trihalomethanes (total)	100				189243	8.00000	7.24294
M	4 1,3-Dichloropropene (total)	100				86216	4.00000	3.62654
M	3 Xylene (total)	106				231307	6.00000	5.44446
	7 dichlorodifluoromethane	85	4.458	4.458	(0.521)	55682	2.00000	1.93385(a)
	9 Chloromethane	50	4.695	4.695	(0.548)	47781	2.00000	1.92739(a)
	10 Vinyl Chloride	62	4.862	4.862	(0.568)	51093	2.00000	1.91723
	12 Bromomethane	94	5.267	5.267	(0.615)	49018	2.00000	1.96598(a)
	13 Chloroethane	64	5.326	5.326	(0.622)	33724	2.00000	1.95784(a)
	15 Trichlorofluoromethane	101	5.651	5.651	(0.660)	90681	2.00000	2.01174
	16 Ethanol	45	5.661	5.661	(0.661)	5696	100.000	87.5377(aM)
	22 Acrolein	56	5.967	5.967	(0.697)	20141	20.0000	18.9911(a)
	24 Acetone	43	6.075	6.075	(0.710)	22970	8.00000	6.00998(a)
	25 1,1-Dichloroethene	96	6.095	6.095	(0.712)	54248	2.00000	1.93732
	26 Iodomethane	142	6.312	6.312	(0.737)	108107	2.00000	1.88671
	28 Acetonitrile	41	6.351	6.351	(0.742)	15877	20.0000	21.6055
	31 tert-Butyl alcohol	59	6.460	6.460	(0.755)	19150	40.0000	37.9855(a)
	32 Methylene Chloride	84	6.499	6.499	(0.759)	51204	2.00000	1.61005
	33 Acrylonitrile	53	6.687	6.687	(0.781)	42329	20.0000	18.9164(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.736	6.736	(0.787)	58238	2.00000	1.92865
38 Isopropyl ether	87	7.032	7.032	(0.821)	126447	10.0000	9.30535(a)
39 1,1-Dichloroethane	63	7.101	7.101	(0.830)	97150	2.00000	1.94311
40 Chloroprene	53	7.170	7.170	(0.838)	88541	2.00000	1.85156
43 2-Butanone	43	7.525	7.525	(0.879)	22221	8.00000	7.60705
45 cis-1,2-Dichloroethene	96	7.584	7.584	(0.886)	52837	2.00000	1.90304
46 Propionitrile	54	7.604	7.604	(0.888)	14654	20.0000	18.5175
47 2,2-Dichloropropane	77	7.614	7.614	(0.889)	78431	2.00000	1.94917(a)
48 Methacrylonitrile	41	7.732	7.732	(0.903)	81762	20.0000	19.0408
49 Bromochloromethane	128	7.811	7.811	(0.912)	19604	2.00000	1.86972
50 Chloroform	83	7.811	7.811	(0.912)	90512	2.00000	1.82630
54 1,1,1-Trichloroethane	97	8.048	8.048	(0.940)	84940	2.00000	1.86216
53 Isobutanol	41	8.038	8.038	(0.939)	6444	40.0000	37.1479(a)
56 1,1-Dichloropropene	75	8.156	8.156	(0.953)	77089	2.00000	1.87083
57 Carbon Tetrachloride	117	8.195	8.195	(0.957)	81358	2.00000	1.89319
60 1,2-Dichloroethane	62	8.353	8.353	(0.976)	39643	2.00000	1.95849
61 Benzene	78	8.363	8.363	(0.977)	176931	2.00000	1.82202
63 n-Butanol	56	8.590	8.590	(1.003)	17146	60.0000	66.9821(M)
64 Trichloroethene	95	8.876	8.876	(1.037)	54326	2.00000	1.85321
68 1,2-Dichloropropane	63	9.093	9.093	(1.062)	38283	2.00000	1.83565
69 1,4-Dioxane	88	9.152	9.152	(1.069)	4917	100.000	85.9280(a)
70 Dibromomethane	93	9.221	9.221	(1.077)	18472	2.00000	1.85995
71 Bromodichloromethane	83	9.300	9.300	(1.086)	50970	2.00000	1.83878
74 cis-1,3-Dichloropropene	75	9.675	9.675	(1.130)	49213	2.00000	1.76307
75 4-Methyl-2-pentanone	43	9.744	9.744	(1.138)	48086	8.00000	7.42008
77 Toluene	91	10.020	10.020	(1.170)	183738	2.00000	1.89587
79 trans-1,3-Dichloropropene	75	10.148	10.148	(1.185)	37003	2.00000	1.86347
80 1,1,2-Trichloroethane	97	10.365	10.365	(1.211)	19895	2.00000	1.95046
81 2-Hexanone	43	10.503	10.503	(0.919)	31766	8.00000	7.05266
82 1,3-Dichloropropane	76	10.542	10.542	(0.922)	33038	2.00000	1.71320
83 Tetrachloroethene	164	10.562	10.562	(0.924)	50108	2.00000	1.80344
84 Dibromochloromethane	129	10.809	10.809	(0.946)	30670	2.00000	1.79371
86 1,2-Dibromoethane	107	10.986	10.986	(0.961)	21457	2.00000	1.87542
87 1-Chlorohexane	91	11.292	11.292	(0.988)	74908	2.00000	1.85711
89 Chlorobenzene	112	11.469	11.469	(1.003)	116655	2.00000	1.79159
90 1,1,1,2-Tetrachloroethane	131	11.519	11.519	(1.008)	38086	2.00000	1.74588
91 Ethylbenzene	106	11.509	11.509	(1.007)	64648	2.00000	1.80618
92 m and p-Xylene	106	11.627	11.627	(1.017)	160449	4.00000	3.65518
93 o-Xylene	106	12.130	12.130	(1.061)	70858	2.00000	1.78927
94 Styrene	104	12.130	12.130	(1.061)	101139	2.00000	1.75168
95 Bromoform	173	12.436	12.436	(1.088)	17091	2.00000	1.78415
96 isopropyl benzene	105	12.515	12.515	(0.891)	208984	2.00000	1.83805
98 Cyclohexanone	55	12.712	12.712	(1.112)	16548	80.0000	71.4399
100 1,1,2,2-Tetrachloroethane	83	12.820	12.820	(0.913)	19707	2.00000	1.79202
102 1,2,3-Trichloropropane	110	12.919	12.919	(0.920)	4968	2.00000	1.88545
103 Bromobenzene	156	12.958	12.958	(0.923)	46999	2.00000	1.79638
104 n-Propylbenzene	120	12.958	12.958	(0.923)	57172	2.00000	1.83976
106 2-Chlorotoluene	126	13.126	13.126	(0.935)	49565	2.00000	1.82830
105 1,3,5-Trimethylbenzene	105	13.116	13.116	(0.934)	162604	2.00000	1.79572
107 4-Chlorotoluene	126	13.235	13.235	(0.942)	48799	2.00000	1.89268
108 tert-Butylbenzene	119	13.511	13.511	(0.962)	144110	2.00000	1.79476
109 1,2,4-Trimethylbenzene	105	13.560	13.560	(0.966)	160252	2.00000	1.81379
110 sec-Butylbenzene	134	13.767	13.767	(0.980)	44523	2.00000	1.79813
111 4-Isopropyltoluene	119	13.895	13.895	(0.989)	182332	2.00000	1.78251

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
112 1,3-Dichlorobenzene	146	13.974	13.974	(0.995)	95345	2.00000	1.88579
114 1,4-dichlorobenzene	146	14.073	14.073	(1.002)	88099	2.00000	1.78228
116 n-Butylbenzene	91	14.388	14.388	(1.025)	193792	2.00000	1.83427
117 1,2-Dichlorobenzene	146	14.556	14.556	(1.037)	71123	2.00000	1.83691
118 1,2-Dibromo-3-chloropropane	157	15.562	15.562	(1.108)	3120	2.00000	1.81595(aQ)
120 1,2,4-Trichlorobenzene	180	16.785	16.785	(1.195)	48198	2.00000	1.73100
121 Hexachlorobutadiene	225	16.982	16.982	(1.209)	46128	2.00000	1.75047
122 Naphthalene	128	17.238	17.238	(1.228)	44143	2.00000	1.71972
123 1,2,3-Trichlorobenzene	180	17.643	17.643	(1.256)	38545	2.00000	1.85527

QC Flag Legend

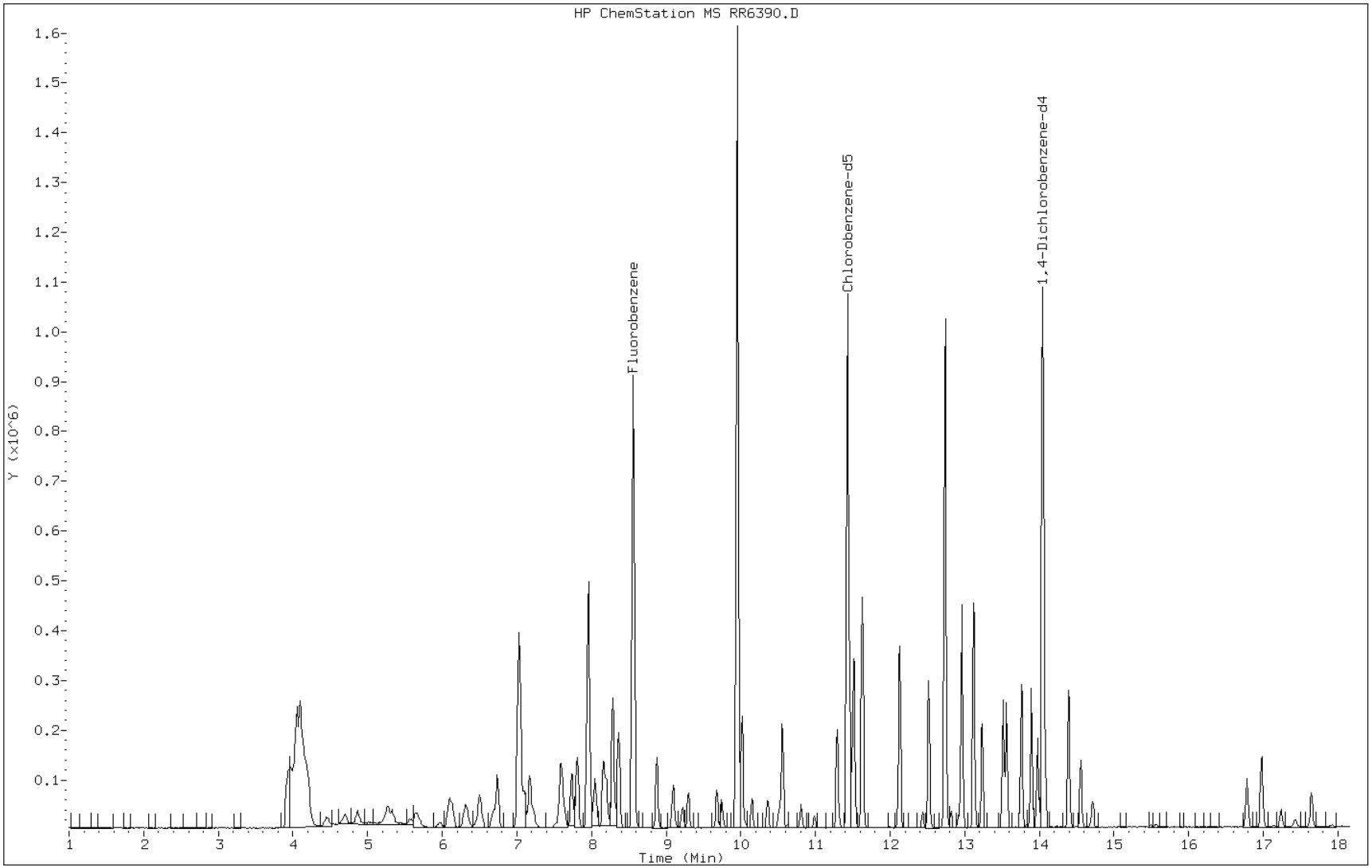
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: RR6390.D

Date: 15-JUN-2012 08:22

Client ID: Instrument: R2.i

Sample Info: IC,,M 2.0 10uL 10x Operator: DOBRANSKYM



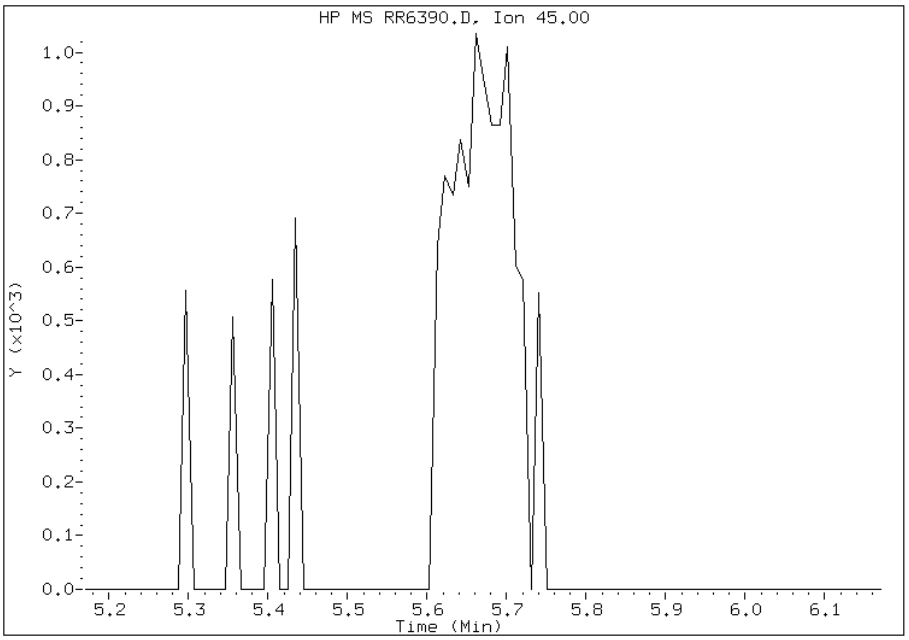
Manual Integration Report

Data File: RR6390.D
Inj. Date and Time: 15-JUN-2012 08:22
Instrument ID: R2.i
Client ID:
Compound: 16 Ethanol
CAS #: 64-17-5
Report Date: 06/15/2012

Processing Integration Results

Not Detected

Expected RT: 5.67



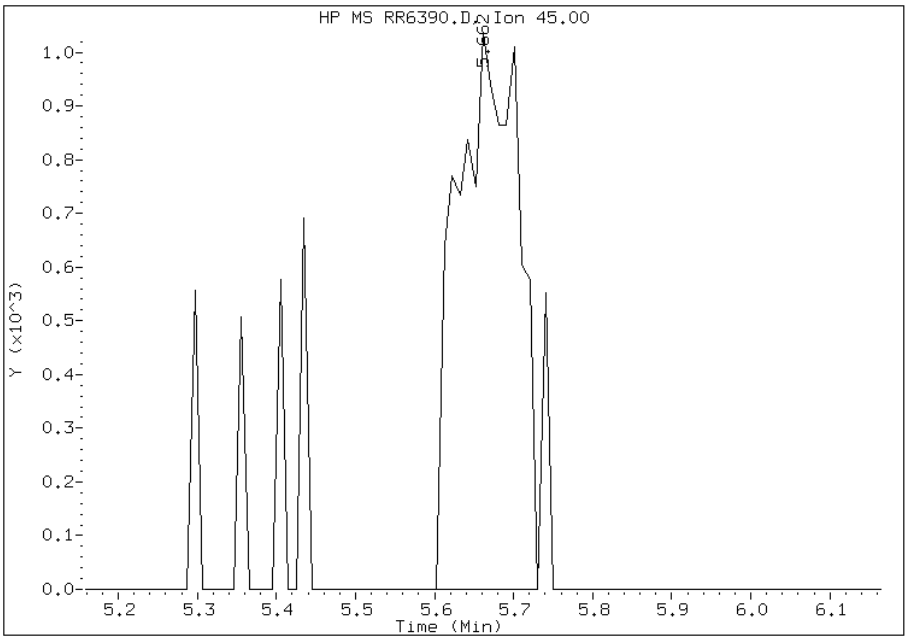
Manual Integration Results

RT: 5.66

Response: 5696

Amount: 88

Conc: 88



Manually Integrated By: dobranskym
Manual Integration Reason: Analyte not Identified by the Data System

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6391.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 08:45
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 5.0 2.5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 07:54 Cal File: RR6355.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.565	8.565	(1.000)	1034367	12.5000	
* 88	Chlorobenzene-d5	119	11.434	11.434	(1.000)	221831	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.047	14.047	(1.000)	339363	12.5000	
M 2	1,2-Dichloroethene (total)	96				317955	10.0000	11.0705
M 1	Trihalomethanes (total)	100				550273	20.0000	21.4964
M 4	1,3-Dichloropropene (total)	100				255552	10.0000	10.8185
M 3	Xylene (total)	106				692589	15.0000	16.5270
7	dichlorodifluoromethane	85	4.462	4.462	(0.521)	167730	5.00000	5.87797
9	Chloromethane	50	4.709	4.709	(0.550)	138774	5.00000	5.64847
10	Vinyl Chloride	62	4.867	4.867	(0.568)	154436	5.00000	5.84751
12	Bromomethane	94	5.271	5.271	(0.615)	137682	5.00000	5.57199
13	Chloroethane	64	5.340	5.340	(0.624)	94606	5.00000	5.54200
15	Trichlorofluoromethane	101	5.656	5.656	(0.660)	261061	5.00000	5.84396
16	Ethanol	45	5.646	5.646	(0.659)	18469	250.000	286.403
22	Acrolein	56	5.971	5.971	(0.697)	55657	50.0000	52.9539
24	Acetone	43	6.089	6.089	(0.711)	52072	20.0000	22.8697
25	1,1-Dichloroethene	96	6.119	6.119	(0.714)	153566	5.00000	5.53378
26	Iodomethane	142	6.316	6.316	(0.737)	313107	5.00000	5.51382
28	Acetonitrile	41	6.356	6.356	(0.742)	42175	50.0000	57.9108
31	tert-Butyl alcohol	59	6.454	6.454	(0.754)	55676	100.000	111.436
32	Methylene Chloride	84	6.504	6.504	(0.759)	135972	5.00000	5.69245
33	Acrylonitrile	53	6.691	6.691	(0.781)	125272	50.0000	56.4890

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.740	6.740	(0.787)	165680	5.00000	5.53639
38 Isopropyl ether	87	7.036	7.036	(0.822)	368483	25.0000	27.3622
39 1,1-Dichloroethane	63	7.105	7.105	(0.830)	275830	5.00000	5.56680
40 Chloroprene	53	7.174	7.174	(0.838)	263779	5.00000	5.56599
43 2-Butanone	43	7.529	7.529	(0.879)	61056	20.0000	21.0906
45 cis-1,2-Dichloroethene	96	7.578	7.578	(0.885)	152275	5.00000	5.53411
46 Propionitrile	54	7.608	7.608	(0.888)	43786	50.0000	55.8303
47 2,2-Dichloropropane	77	7.608	7.608	(0.888)	220883	5.00000	5.53902
48 Methacrylonitrile	41	7.736	7.736	(0.903)	241598	50.0000	56.7722
49 Bromochloromethane	128	7.805	7.805	(0.911)	57272	5.00000	5.51166
50 Chloroform	83	7.815	7.815	(0.912)	261677	5.00000	5.32771
54 1,1,1-Trichloroethane	97	8.052	8.052	(0.940)	248817	5.00000	5.50420
53 Isobutanol	41	8.032	8.032	(0.938)	18829	100.000	109.525(Q)
56 1,1-Dichloropropene	75	8.160	8.160	(0.953)	224178	5.00000	5.48963
57 Carbon Tetrachloride	117	8.200	8.200	(0.957)	235771	5.00000	5.53597
60 1,2-Dichloroethane	62	8.357	8.357	(0.976)	114137	5.00000	5.68972
61 Benzene	78	8.367	8.367	(0.977)	507892	5.00000	5.27753
63 n-Butanol	56	8.594	8.594	(1.003)	31248	150.000	167.129
64 Trichloroethene	95	8.880	8.880	(1.037)	161844	5.00000	5.57085
68 1,2-Dichloropropane	63	9.097	9.097	(1.062)	114669	5.00000	5.54804
69 1,4-Dioxane	88	9.156	9.156	(1.069)	15860	250.000	279.670
70 Dibromomethane	93	9.225	9.225	(1.077)	53804	5.00000	5.46652
71 Bromodichloromethane	83	9.294	9.294	(1.085)	147167	5.00000	5.35717
74 cis-1,3-Dichloropropene	75	9.679	9.679	(1.130)	147786	5.00000	5.34236
75 4-Methyl-2-pentanone	43	9.748	9.748	(1.138)	142159	20.0000	22.1347
77 Toluene	91	10.024	10.024	(1.170)	541709	5.00000	5.64007
79 trans-1,3-Dichloropropene	75	10.152	10.152	(1.185)	107766	5.00000	5.47616
80 1,1,2-Trichloroethane	97	10.359	10.359	(1.210)	56756	5.00000	5.61453
81 2-Hexanone	43	10.507	10.507	(0.919)	96918	20.0000	21.8069
82 1,3-Dichloropropane	76	10.547	10.547	(0.922)	100083	5.00000	5.25961
83 Tetrachloroethene	164	10.566	10.566	(0.924)	147458	5.00000	5.37853
84 Dibromochloromethane	129	10.813	10.813	(0.946)	89221	5.00000	5.28816
86 1,2-Dibromoethane	107	10.990	10.990	(0.961)	62243	5.00000	5.51340
87 1-Chlorohexane	91	11.296	11.296	(0.988)	223604	5.00000	5.61808
89 Chlorobenzene	112	11.464	11.464	(1.003)	338730	5.00000	5.27216
90 1,1,1,2-Tetrachloroethane	131	11.523	11.523	(1.008)	113682	5.00000	5.28130
91 Ethylbenzene	106	11.513	11.513	(1.007)	197590	5.00000	5.59462
92 m and p-Xylene	106	11.631	11.631	(1.017)	478103	10.0000	11.0381
93 o-Xylene	106	12.125	12.125	(1.060)	214486	5.00000	5.48891
94 Styrene	104	12.134	12.134	(1.061)	314431	5.00000	5.51900
95 Bromoform	173	12.440	12.440	(1.088)	52208	5.00000	5.52332
96 isopropyl benzene	105	12.519	12.519	(0.891)	643097	5.00000	5.64325
98 Cyclohexanone	55	12.716	12.716	(1.112)	48438	200.000	211.924
100 1,1,2,2-Tetrachloroethane	83	12.815	12.815	(0.912)	58527	5.00000	5.54986
102 1,2,3-Trichloropropane	110	12.923	12.923	(0.920)	14582	5.00000	5.52154(Q)
103 Bromobenzene	156	12.963	12.963	(0.923)	143447	5.00000	5.47030
104 n-Propylbenzene	120	12.963	12.963	(0.923)	173244	5.00000	5.56217
106 2-Chlorotoluene	126	13.130	13.130	(0.935)	150821	5.00000	5.55065
105 1,3,5-Trimethylbenzene	105	13.120	13.120	(0.934)	499040	5.00000	5.49862
107 4-Chlorotoluene	126	13.239	13.239	(0.942)	143374	5.00000	5.54813
108 tert-Butylbenzene	119	13.515	13.515	(0.962)	444852	5.00000	5.52761
109 1,2,4-Trimethylbenzene	105	13.564	13.564	(0.966)	491228	5.00000	5.54724
110 sec-Butylbenzene	134	13.761	13.761	(0.980)	140764	5.00000	5.67203
111 4-Isopropyltoluene	119	13.900	13.900	(0.989)	570066	5.00000	5.56038

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
112 1,3-Dichlorobenzene	146	13.978	13.978	(0.995)	273807	5.00000	5.40317
114 1,4-dichlorobenzene	146	14.077	14.077	(1.002)	262849	5.00000	5.30542
116 n-Butylbenzene	91	14.393	14.393	(1.025)	586947	5.00000	5.54288
117 1,2-Dichlorobenzene	146	14.560	14.560	(1.037)	213082	5.00000	5.49078
118 1,2-Dibromo-3-chloropropane	157	15.566	15.566	(1.108)	9020	5.00000	5.23800
120 1,2,4-Trichlorobenzene	180	16.779	16.779	(1.194)	145822	5.00000	5.22519
121 Hexachlorobutadiene	225	16.986	16.986	(1.209)	138497	5.00000	5.24373
122 Naphthalene	128	17.243	17.243	(1.227)	136778	5.00000	5.31645
123 1,2,3-Trichlorobenzene	180	17.657	17.657	(1.257)	110001	5.00000	5.28257

QC Flag Legend

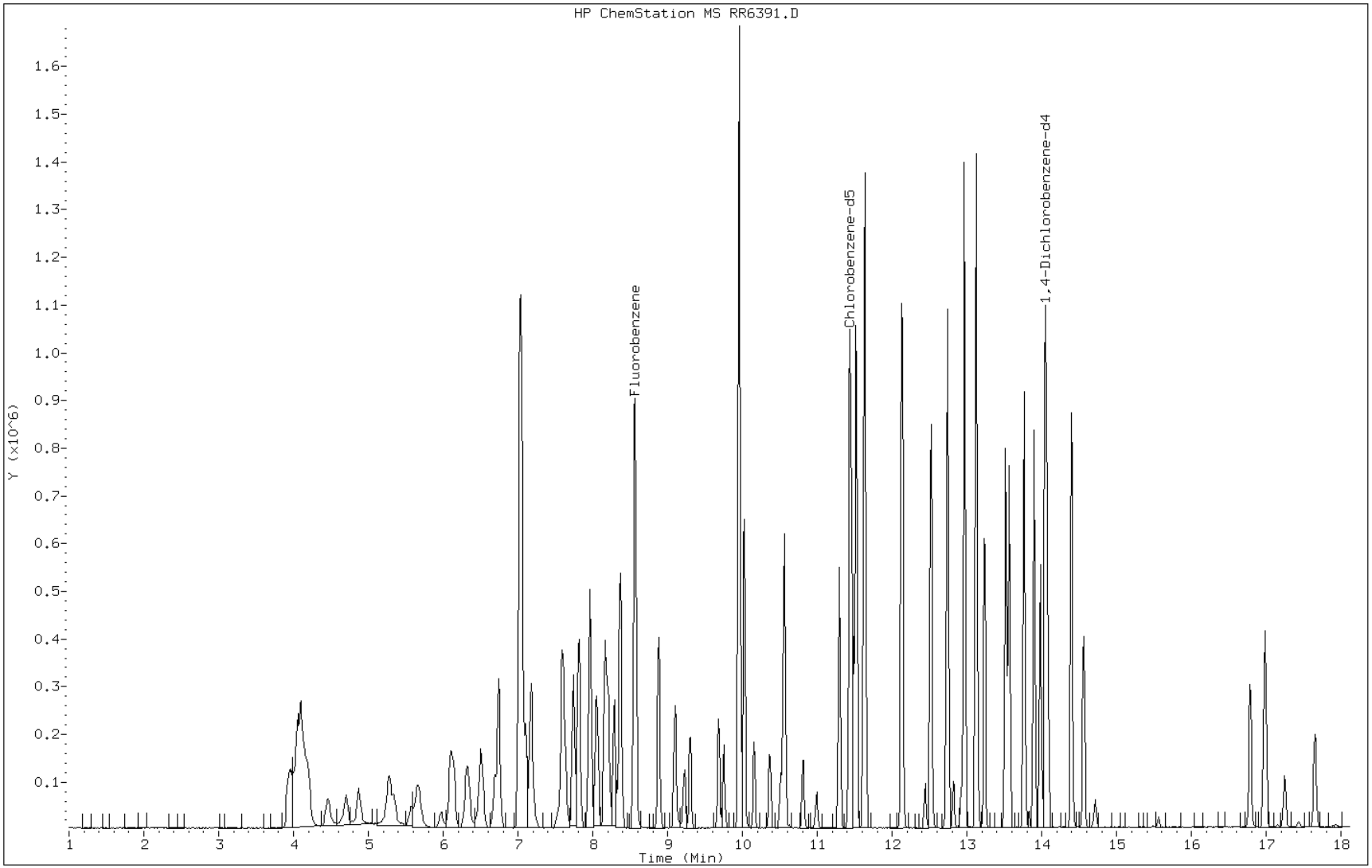
Q - Qualifier signal failed the ratio test.

Data File: RR6391.D

Date: 15-JUN-2012 08:45

Client ID: Instrument: R2.i

Sample Info: IC,,M 5.0 2.5uL Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6392.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 09:07
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 10 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 08:17 Cal File: RR6356.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.565	8.565	(1.000)	1131208	12.5000	
* 88	Chlorobenzene-d5	119	11.435	11.435	(1.000)	240660	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.048	14.048	(1.000)	372674	12.5000	
M 2	1,2-Dichloroethene (total)	96				601701	20.0000	19.1554
M 1	Trihalomethanes (total)	100				1053597	40.0000	37.8143
M 4	1,3-Dichloropropene (total)	100				496362	20.0000	19.2573
M 3	Xylene (total)	106				1318478	30.0000	29.0062
7	dichlorodifluoromethane	85	4.453	4.453	(0.520)	319515	10.0000	10.2386
9	Chloromethane	50	4.709	4.709	(0.550)	259867	10.0000	9.67177
10	Vinyl Chloride	62	4.877	4.877	(0.569)	294376	10.0000	10.1919
12	Bromomethane	94	5.281	5.281	(0.617)	270270	10.0000	10.0015
13	Chloroethane	64	5.350	5.350	(0.625)	179954	10.0000	9.63921
15	Trichlorofluoromethane	101	5.656	5.656	(0.660)	497723	10.0000	10.1879
16	Ethanol	45	5.656	5.656	(0.660)	36228	500.000	513.701
22	Acrolein	56	5.971	5.971	(0.697)	113878	100.000	99.0718
24	Acetone	43	6.080	6.080	(0.710)	87133	40.0000	38.7480
25	1,1-Dichloroethene	96	6.119	6.119	(0.714)	295287	10.0000	9.72980
26	Iodomethane	142	6.317	6.317	(0.738)	597109	10.0000	9.61492
28	Acetonitrile	41	6.366	6.366	(0.743)	76318	100.000	95.8217
31	tert-Butyl alcohol	59	6.464	6.464	(0.755)	107088	200.000	195.989(Q)
32	Methylene Chloride	84	6.504	6.504	(0.759)	244805	10.0000	9.90174
33	Acrylonitrile	53	6.691	6.691	(0.781)	237416	100.000	97.8930

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.741	6.741	(0.787)	313903	10.0000	9.59146
38 Isopropyl ether	87	7.036	7.036	(0.822)	720939	50.0000	48.9512
39 1,1-Dichloroethane	63	7.105	7.105	(0.830)	522606	10.0000	9.64430
40 Chloroprene	53	7.174	7.174	(0.838)	498874	10.0000	9.62554
43 2-Butanone	43	7.529	7.529	(0.879)	121857	40.0000	38.4897
45 cis-1,2-Dichloroethene	96	7.589	7.589	(0.886)	287798	10.0000	9.56398
46 Propionitrile	54	7.608	7.608	(0.888)	85062	100.000	99.1750
47 2,2-Dichloropropane	77	7.618	7.618	(0.889)	419761	10.0000	9.62510
48 Methacrylonitrile	41	7.737	7.737	(0.903)	451726	100.000	97.0620
49 Bromochloromethane	128	7.806	7.806	(0.911)	110200	10.0000	9.69736
50 Chloroform	83	7.815	7.815	(0.913)	495511	10.0000	9.22487
54 1,1,1-Trichloroethane	97	8.052	8.052	(0.940)	479120	10.0000	9.69150
53 Isobutanol	41	8.032	8.032	(0.938)	37215	200.000	197.942
56 1,1-Dichloropropene	75	8.161	8.161	(0.953)	429396	10.0000	9.61481
57 Carbon Tetrachloride	117	8.200	8.200	(0.957)	450016	10.0000	9.66193
60 1,2-Dichloroethane	62	8.358	8.358	(0.976)	223306	10.0000	10.1788
61 Benzene	78	8.368	8.368	(0.977)	967058	10.0000	9.18848
63 n-Butanol	56	8.594	8.594	(1.003)	51192	300.000	276.450
64 Trichloroethene	95	8.880	8.880	(1.037)	300035	10.0000	9.44342
68 1,2-Dichloropropane	63	9.097	9.097	(1.062)	218163	10.0000	9.65177
69 1,4-Dioxane	88	9.157	9.157	(1.069)	30176	500.000	486.561
70 Dibromomethane	93	9.226	9.226	(1.077)	104481	10.0000	9.70658
71 Bromodichloromethane	83	9.295	9.295	(1.085)	285737	10.0000	9.51095
74 cis-1,3-Dichloropropene	75	9.679	9.679	(1.130)	283823	10.0000	9.38165
75 4-Methyl-2-pentanone	43	9.748	9.748	(1.138)	282047	40.0000	40.1562
77 Toluene	91	10.024	10.024	(1.170)	1031955	10.0000	9.82453
79 trans-1,3-Dichloropropene	75	10.153	10.153	(1.185)	212539	10.0000	9.87564
80 1,1,2-Trichloroethane	97	10.370	10.370	(1.211)	106401	10.0000	9.62453
81 2-Hexanone	43	10.508	10.508	(0.919)	191078	40.0000	39.6295
82 1,3-Dichloropropane	76	10.547	10.547	(0.922)	195065	10.0000	9.44911
83 Tetrachloroethene	164	10.557	10.557	(0.923)	286783	10.0000	9.64199
84 Dibromochloromethane	129	10.813	10.813	(0.946)	174428	10.0000	9.52953
86 1,2-Dibromoethane	107	10.991	10.991	(0.961)	118028	10.0000	9.63679
87 1-Chlorohexane	91	11.296	11.296	(0.988)	423079	10.0000	9.79824
89 Chlorobenzene	112	11.464	11.464	(1.003)	649530	10.0000	9.31863
90 1,1,1,2-Tetrachloroethane	131	11.513	11.513	(1.007)	218470	10.0000	9.35533
91 Ethylbenzene	106	11.513	11.513	(1.007)	373941	10.0000	9.75948
92 m and p-Xylene	106	11.632	11.632	(1.017)	907786	20.0000	19.3185
93 o-Xylene	106	12.125	12.125	(1.060)	410692	10.0000	9.68772
94 Styrene	104	12.135	12.135	(1.061)	611115	10.0000	9.88726
95 Bromoform	173	12.440	12.440	(1.088)	97921	10.0000	9.54899
96 isopropyl benzene	105	12.519	12.519	(0.891)	1214101	10.0000	9.70160
98 Cyclohexanone	55	12.716	12.716	(1.112)	94686	400.000	381.855
100 1,1,2,2-Tetrachloroethane	83	12.815	12.815	(0.912)	112566	10.0000	9.81188
102 1,2,3-Trichloropropane	110	12.924	12.924	(0.920)	28405	10.0000	9.79429
103 Bromobenzene	156	12.963	12.963	(0.923)	275687	10.0000	9.57352
104 n-Propylbenzene	120	12.963	12.963	(0.923)	335024	10.0000	9.79484
106 2-Chlorotoluene	126	13.131	13.131	(0.935)	284641	10.0000	9.53927
105 1,3,5-Trimethylbenzene	105	13.121	13.121	(0.934)	959611	10.0000	9.62828
107 4-Chlorotoluene	126	13.229	13.229	(0.942)	272541	10.0000	9.60381
108 tert-Butylbenzene	119	13.515	13.515	(0.962)	864300	10.0000	9.77962
109 1,2,4-Trimethylbenzene	105	13.565	13.565	(0.966)	933196	10.0000	9.59627
110 sec-Butylbenzene	134	13.762	13.762	(0.980)	266157	10.0000	9.76608
111 4-Isopropyltoluene	119	13.900	13.900	(0.989)	1077544	10.0000	9.57084

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
112 1,3-Dichlorobenzene	146	13.979	13.979	(0.995)	528843	10.0000	9.50313
114 1,4-dichlorobenzene	146	14.077	14.077	(1.002)	503454	10.0000	9.25356
116 n-Butylbenzene	91	14.393	14.393	(1.025)	1094377	10.0000	9.41108
117 1,2-Dichlorobenzene	146	14.561	14.561	(1.037)	406080	10.0000	9.52871
118 1,2-Dibromo-3-chloropropane	157	15.566	15.566	(1.108)	18468	10.0000	9.76595
120 1,2,4-Trichlorobenzene	180	16.779	16.779	(1.194)	290025	10.0000	9.46346
121 Hexachlorobutadiene	225	16.986	16.986	(1.209)	259455	10.0000	8.94536
122 Naphthalene	128	17.243	17.243	(1.227)	275771	10.0000	9.76089
123 1,2,3-Trichlorobenzene	180	17.647	17.647	(1.256)	220652	10.0000	9.64921

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR6392.D

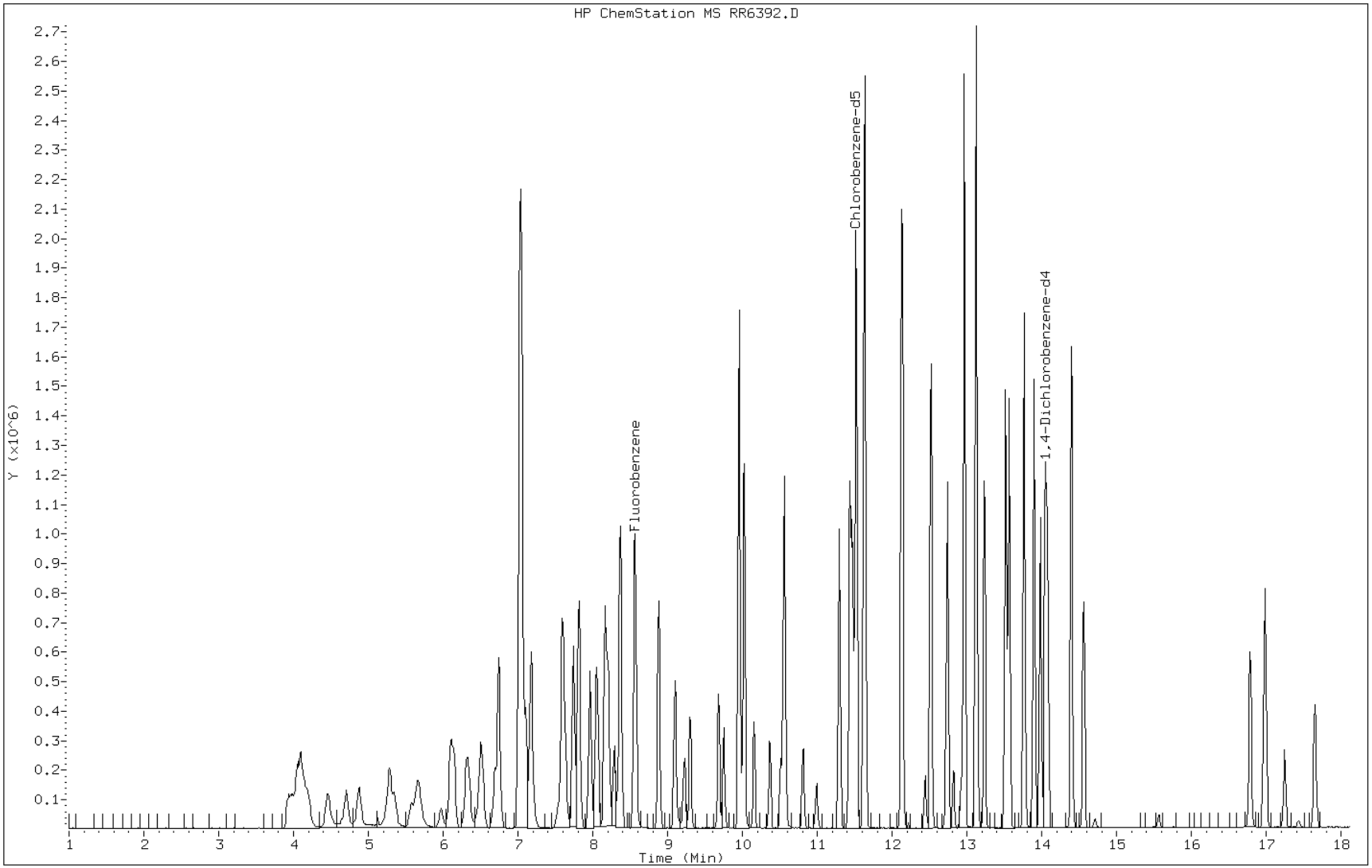
Date: 15-JUN-2012 09:07

Client ID:

Instrument: R2.i

Sample Info: IC,,M 10 5uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6393.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 09:30
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 30 15uL
Misc Info :
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Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 08:39 Cal File: RR6357.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.566	8.566	(1.000)	1167221	12.5000	
* 88	Chlorobenzene-d5	119	11.435	11.435	(1.000)	241307	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.048	14.048	(1.000)	382860	12.5000	
M 2	1,2-Dichloroethene (total)	96				1876476	60.0000	57.9364
M 1	Trihalomethanes (total)	100				3381195	120.000	119.627
M 4	1,3-Dichloropropene (total)	100				1632422	60.0000	61.3210
M 3	Xylene (total)	106				4233844	90.0000	92.8585
7	dichlorodifluoromethane	85	4.453	4.453	(0.520)	969592	30.0000	30.1112
9	Chloromethane	50	4.700	4.700	(0.549)	777372	30.0000	28.0397
10	Vinyl Chloride	62	4.877	4.877	(0.569)	883176	30.0000	29.6341
12	Bromomethane	94	5.282	5.282	(0.617)	782617	30.0000	28.0675
13	Chloroethane	64	5.351	5.351	(0.625)	530103	30.0000	27.5188
15	Trichlorofluoromethane	101	5.656	5.656	(0.660)	1541013	30.0000	30.5698
16	Ethanol	45	5.647	5.647	(0.659)	104745	1500.00	1439.42
22	Acrolein	56	5.972	5.972	(0.697)	357758	300.000	301.640
24	Acetone	43	6.090	6.090	(0.711)	257466	120.000	124.167
25	1,1-Dichloroethene	96	6.110	6.110	(0.713)	874743	30.0000	27.9338
26	Iodomethane	142	6.317	6.317	(0.738)	1829151	30.0000	28.5451
28	Acetonitrile	41	6.366	6.366	(0.743)	211668	300.000	257.562
31	tert-Butyl alcohol	59	6.465	6.465	(0.755)	329867	600.000	585.084
32	Methylene Chloride	84	6.505	6.505	(0.759)	733686	30.0000	30.3231
33	Acrylonitrile	53	6.692	6.692	(0.781)	739916	300.000	295.674

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.741	6.741	(0.787)	963142	30.0000	28.5213
38 Isopropyl ether	87	7.037	7.037	(0.822)	2281827	150.000	150.154
39 1,1-Dichloroethane	63	7.106	7.106	(0.830)	1618005	30.0000	28.9378
40 Chloroprene	53	7.175	7.175	(0.838)	1610782	30.0000	30.1204
43 2-Butanone	43	7.530	7.530	(0.879)	393752	120.000	120.533
45 cis-1,2-Dichloroethene	96	7.589	7.589	(0.886)	913334	30.0000	29.4151
46 Propionitrile	54	7.609	7.609	(0.888)	261936	300.000	295.972
47 2,2-Dichloropropane	77	7.619	7.619	(0.889)	1278653	30.0000	28.4148
48 Methacrylonitrile	41	7.737	7.737	(0.903)	1421494	300.000	296.012
49 Bromochloromethane	128	7.806	7.806	(0.911)	351070	30.0000	29.9402
50 Chloroform	83	7.816	7.816	(0.913)	1583967	30.0000	28.5787
54 1,1,1-Trichloroethane	97	8.053	8.053	(0.940)	1512290	30.0000	29.6463
53 Isobutanol	41	8.033	8.033	(0.938)	115790	600.000	596.870
56 1,1-Dichloropropene	75	8.161	8.161	(0.953)	1373881	30.0000	29.8141
57 Carbon Tetrachloride	117	8.201	8.201	(0.957)	1420630	30.0000	29.5601
60 1,2-Dichloroethane	62	8.349	8.349	(0.975)	708403	30.0000	31.2944
61 Benzene	78	8.368	8.368	(0.977)	3141757	30.0000	28.9303
63 n-Butanol	56	8.585	8.585	(1.002)	150176	900.000	882.527
64 Trichloroethene	95	8.881	8.881	(1.037)	991787	30.0000	30.2528
68 1,2-Dichloropropane	63	9.098	9.098	(1.062)	694574	30.0000	29.7806
69 1,4-Dioxane	88	9.157	9.157	(1.069)	99904	1500.00	1561.16
70 Dibromomethane	93	9.226	9.226	(1.077)	331594	30.0000	29.8555
71 Bromodichloromethane	83	9.295	9.295	(1.085)	921244	30.0000	29.7181
74 cis-1,3-Dichloropropene	75	9.680	9.680	(1.130)	937879	30.0000	30.0447
75 4-Methyl-2-pentanone	43	9.749	9.749	(1.138)	886461	120.000	122.315
77 Toluene	91	10.015	10.015	(1.169)	3230723	30.0000	29.8085
79 trans-1,3-Dichloropropene	75	10.153	10.153	(1.185)	694543	30.0000	31.2763
80 1,1,2-Trichloroethane	97	10.360	10.360	(1.210)	338681	30.0000	29.6902
81 2-Hexanone	43	10.508	10.508	(0.919)	587901	120.000	121.604
82 1,3-Dichloropropane	76	10.548	10.548	(0.922)	606627	30.0000	29.3067
83 Tetrachloroethene	164	10.558	10.558	(0.923)	920319	30.0000	30.8593
84 Dibromochloromethane	129	10.804	10.804	(0.945)	557985	30.0000	30.4027
86 1,2-Dibromoethane	107	10.991	10.991	(0.961)	374886	30.0000	30.5268
87 1-Chlorohexane	91	11.287	11.287	(0.987)	1329385	30.0000	30.7051
89 Chlorobenzene	112	11.465	11.465	(1.003)	2028987	30.0000	29.0313
90 1,1,1,2-Tetrachloroethane	131	11.514	11.514	(1.007)	715019	30.0000	30.5365
91 Ethylbenzene	106	11.514	11.514	(1.007)	1179831	30.0000	30.7098
92 m and p-Xylene	106	11.632	11.632	(1.017)	2930423	60.0000	62.1948
93 o-Xylene	106	12.125	12.125	(1.060)	1303421	30.0000	30.6637
94 Styrene	104	12.135	12.135	(1.061)	1972668	30.0000	31.8303
95 Bromoform	173	12.441	12.441	(1.088)	317999	30.0000	30.9272
96 isopropyl benzene	105	12.520	12.520	(0.891)	3904794	30.0000	30.3722
98 Cyclohexanone	55	12.717	12.717	(1.112)	310036	1200.00	1246.98
100 1,1,2,2-Tetrachloroethane	83	12.816	12.816	(0.912)	352180	30.0000	30.1312
102 1,2,3-Trichloropropane	110	12.914	12.914	(0.919)	91077	30.0000	30.5686(Q)
103 Bromobenzene	156	12.964	12.964	(0.923)	909471	30.0000	30.7421
104 n-Propylbenzene	120	12.964	12.964	(0.923)	1057544	30.0000	30.0960
106 2-Chlorotoluene	126	13.131	13.131	(0.935)	928221	30.0000	30.2802
105 1,3,5-Trimethylbenzene	105	13.121	13.121	(0.934)	3193116	30.0000	31.1858
107 4-Chlorotoluene	126	13.230	13.230	(0.942)	875452	30.0000	30.0285
108 tert-Butylbenzene	119	13.516	13.516	(0.962)	2758088	30.0000	30.3777
109 1,2,4-Trimethylbenzene	105	13.565	13.565	(0.966)	3019990	30.0000	30.2290
110 sec-Butylbenzene	134	13.762	13.762	(0.980)	862018	30.0000	30.7884
111 4-Isopropyltoluene	119	13.900	13.900	(0.989)	3582028	30.0000	30.9694

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
112 1,3-Dichlorobenzene	146	13.979	13.979	(0.995)	1718306	30.0000	30.0559
114 1,4-dichlorobenzene	146	14.078	14.078	(1.002)	1634592	30.0000	29.2447
116 n-Butylbenzene	91	14.394	14.394	(1.025)	3612731	30.0000	30.2411
117 1,2-Dichlorobenzene	146	14.561	14.561	(1.036)	1326574	30.0000	30.3000
118 1,2-Dibromo-3-chloropropane	157	15.567	15.567	(1.108)	59651	30.0000	30.7045
120 1,2,4-Trichlorobenzene	180	16.780	16.780	(1.194)	968879	30.0000	30.7732
121 Hexachlorobutadiene	225	16.977	16.977	(1.208)	883618	30.0000	29.6544
122 Naphthalene	128	17.243	17.243	(1.227)	918216	30.0000	31.6355
123 1,2,3-Trichlorobenzene	180	17.648	17.648	(1.256)	715189	30.0000	30.4435

QC Flag Legend

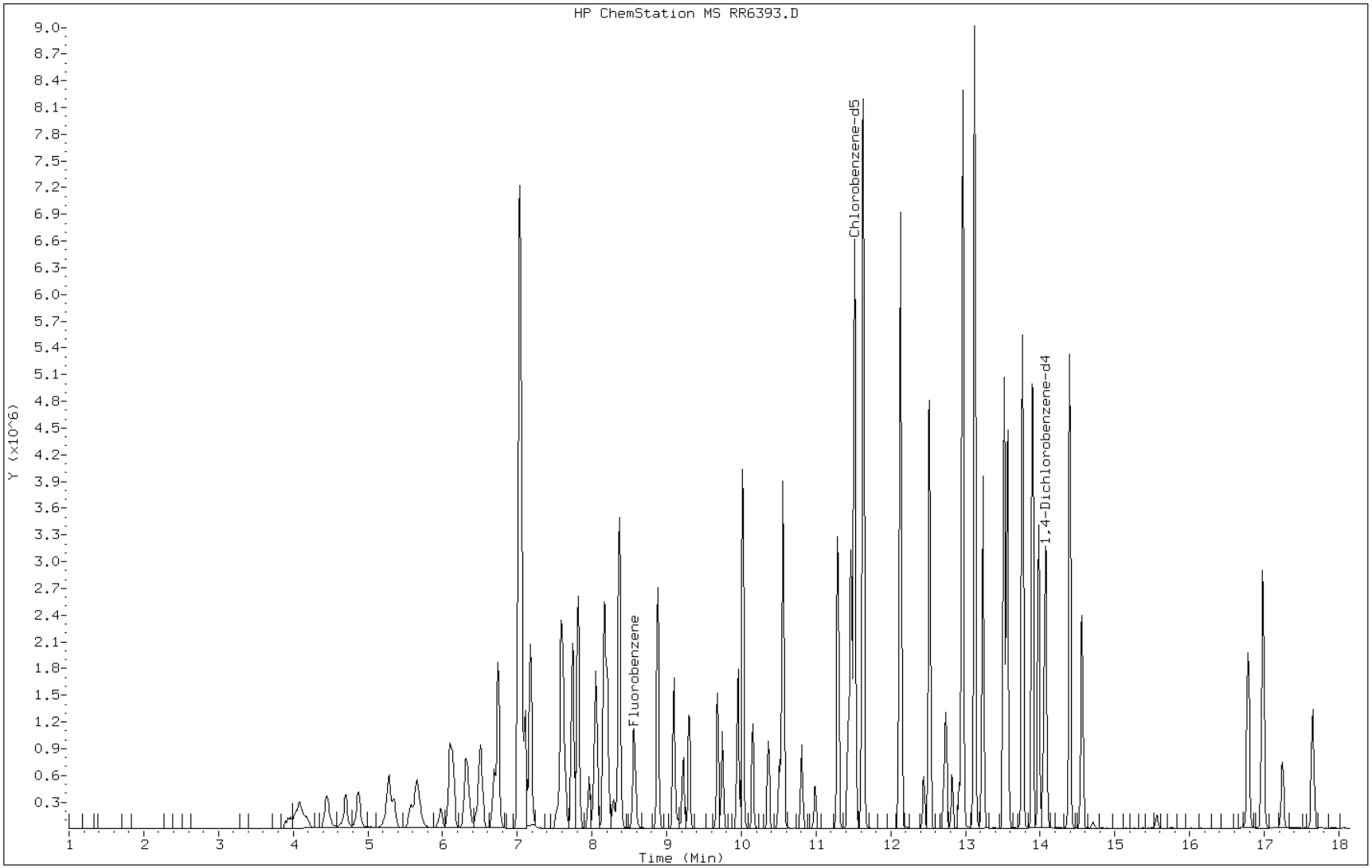
Q - Qualifier signal failed the ratio test.

Data File: RR6393.D

Date: 15-JUN-2012 09:30

Client ID: Instrument: R2.i

Sample Info: IC,,M 30 15uL Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6394.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 09:52
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 60 30uL
Misc Info :
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Meth Date : 15-Jun-2012 13:53 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.559	8.555	(1.000)	1270557	12.5000	
* 88	Chlorobenzene-d5	119	11.439	11.425	(1.000)	268496	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.052	14.038	(1.000)	413597	12.5000	
M 2	1,2-Dichloroethene (total)	96				4057069	120.000	115.117
M 1	Trihalomethanes (total)	100				7358854	240.000	236.983
M 4	1,3-Dichloropropene (total)	100				3528223	120.000	121.532
M 3	Xylene (total)	106				9368163	180.000	184.716
7	dichlorodifluoromethane	85	4.447	4.447	(0.520)	1913520	60.0000	54.5922
9	Chloromethane	50	4.704	4.704	(0.550)	1644300	60.0000	54.4859
10	Vinyl Chloride	62	4.871	4.871	(0.569)	1809301	60.0000	55.7717
12	Bromomethane	94	5.285	5.285	(0.618)	1655442	60.0000	54.5416
13	Chloroethane	64	5.354	5.354	(0.626)	1110468	60.0000	52.9583
15	Trichlorofluoromethane	101	5.660	5.660	(0.661)	3106492	60.0000	56.6130
16	Ethanol	45	5.670	5.670	(0.662)	235730	3000.00	2975.98
22	Acrolein	56	5.976	5.976	(0.698)	770894	600.000	597.109
24	Acetone	43	6.084	6.084	(0.711)	522936	240.000	237.819
25	1,1-Dichloroethene	96	6.133	6.133	(0.717)	1877764	60.0000	55.0870
26	Iodomethane	142	6.311	6.311	(0.737)	4085287	60.0000	58.5684
28	Acetonitrile	41	6.360	6.360	(0.743)	458541	600.000	512.582
31	tert-Butyl alcohol	59	6.459	6.459	(0.755)	733287	1200.00	1194.85
32	Methylene Chloride	84	6.508	6.508	(0.760)	1554552	60.0000	59.8007
33	Acrylonitrile	53	6.686	6.686	(0.781)	1536241	600.000	563.961
35	trans-1,2-Dichloroethene	96	6.745	6.745	(0.788)	2064700	60.0000	56.1687

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
38 Isopropyl ether	87	7.031	7.031	(0.821)	5091301	300.000	307.781(A)
39 1,1-Dichloroethane	63	7.110	7.110	(0.831)	3499530	60.0000	57.4982
40 Chloroprene	53	7.179	7.179	(0.839)	3404770	60.0000	58.4885
43 2-Butanone	43	7.524	7.524	(0.879)	823447	240.000	231.567
45 cis-1,2-Dichloroethene	96	7.583	7.583	(0.886)	1992369	60.0000	58.9480
46 Propionitrile	54	7.613	7.613	(0.889)	565986	600.000	587.517
47 2,2-Dichloropropane	77	7.613	7.613	(0.889)	2760959	60.0000	56.3652
48 Methacrylonitrile	41	7.741	7.741	(0.904)	3030913	600.000	579.824
49 Bromochloromethane	128	7.810	7.810	(0.912)	761765	60.0000	59.6817
50 Chloroform	83	7.820	7.820	(0.914)	3448295	60.0000	57.1557
54 1,1,1-Trichloroethane	97	8.056	8.056	(0.941)	3281463	60.0000	59.0966
53 Isobutanol	41	8.037	8.037	(0.939)	251476	1200.00	1190.87
56 1,1-Dichloropropene	75	8.165	8.165	(0.954)	2899163	60.0000	57.7968
57 Carbon Tetrachloride	117	8.204	8.204	(0.959)	3038969	60.0000	58.0912
60 1,2-Dichloroethane	62	8.352	8.352	(0.976)	1511106	60.0000	61.3253(A)
61 Benzene	78	8.372	8.372	(0.978)	6745735	60.0000	57.0649
63 n-Butanol	56	8.589	8.589	(1.003)	325665	1800.00	1810.14(A)
64 Trichloroethene	95	8.875	8.875	(1.037)	2127679	60.0000	59.6227
68 1,2-Dichloropropane	63	9.102	9.102	(1.063)	1495870	60.0000	58.9207
69 1,4-Dioxane	88	9.161	9.161	(1.070)	210678	3000.00	3024.43(A)
70 Dibromomethane	93	9.220	9.220	(1.077)	714016	60.0000	59.0588
71 Bromodichloromethane	83	9.299	9.299	(1.086)	1989941	60.0000	58.9720
74 cis-1,3-Dichloropropene	75	9.684	9.684	(1.131)	2045848	60.0000	60.2079(A)
75 4-Methyl-2-pentanone	43	9.743	9.743	(1.138)	1877122	240.000	237.942
77 Toluene	91	10.019	10.019	(1.171)	7062780	60.0000	59.8653
79 trans-1,3-Dichloropropene	75	10.157	10.157	(1.187)	1482375	60.0000	61.3244(A)
80 1,1,2-Trichloroethane	97	10.364	10.364	(1.211)	737265	60.0000	59.3753
81 2-Hexanone	43	10.512	10.512	(0.919)	1238894	240.000	230.308
82 1,3-Dichloropropane	76	10.551	10.551	(0.922)	1305219	60.0000	56.6710
83 Tetrachloroethene	164	10.561	10.561	(0.923)	2000513	60.0000	60.2866(A)
84 Dibromochloromethane	129	10.808	10.808	(0.945)	1223273	60.0000	59.9025
86 1,2-Dibromoethane	107	10.985	10.985	(0.960)	815744	60.0000	59.6990
87 1-Chlorohexane	91	11.291	11.291	(0.987)	2815227	60.0000	58.4394
89 Chlorobenzene	112	11.468	11.468	(1.003)	4485069	60.0000	57.6751
90 1,1,1,2-Tetrachloroethane	131	11.518	11.518	(1.007)	1607419	60.0000	61.6968(A)
91 Ethylbenzene	106	11.518	11.518	(1.007)	2593746	60.0000	60.6760(A)
92 m and p-Xylene	106	11.636	11.636	(1.017)	6456936	120.000	123.164(A)
93 o-Xylene	106	12.129	12.129	(1.060)	2911227	60.0000	61.5528(A)
94 Styrene	104	12.129	12.129	(1.060)	4501646	60.0000	65.2816(A)
95 Bromoform	173	12.445	12.445	(1.088)	697345	60.0000	60.9530(A)
96 isopropyl benzene	105	12.514	12.514	(0.891)	8521869	60.0000	61.3585(A)
98 Cyclohexanone	55	12.721	12.721	(1.112)	648328	2400.00	2343.55
100 1,1,2,2-Tetrachloroethane	83	12.819	12.819	(0.912)	752032	60.0000	59.6789
102 1,2,3-Trichloropropane	110	12.918	12.918	(0.919)	193520	60.0000	60.1251(AQ)
103 Bromobenzene	156	12.967	12.967	(0.923)	2060966	60.0000	64.4878(A)
104 n-Propylbenzene	120	12.967	12.967	(0.923)	2356619	60.0000	62.0816(A)
106 2-Chlorotoluene	126	13.135	13.135	(0.935)	2064231	60.0000	62.3344(A)
105 1,3,5-Trimethylbenzene	105	13.125	13.125	(0.934)	7096193	60.0000	64.1550(A)
107 4-Chlorotoluene	126	13.234	13.234	(0.942)	1928388	60.0000	61.2291(A)
108 tert-Butylbenzene	119	13.520	13.520	(0.962)	6041554	60.0000	61.5968(A)
109 1,2,4-Trimethylbenzene	105	13.569	13.569	(0.966)	6748010	60.0000	62.5255(A)
110 sec-Butylbenzene	134	13.766	13.766	(0.980)	1865257	60.0000	61.6698(A)
111 4-Isopropyltoluene	119	13.904	13.904	(0.989)	7747914	60.0000	62.0085(A)
112 1,3-Dichlorobenzene	146	13.983	13.983	(0.995)	3747144	60.0000	60.6725(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
114 1,4-dichlorobenzene	146	14.082	14.082	(1.002)	3521412	60.0000	58.3200
116 n-Butylbenzene	91	14.397	14.397	(1.025)	7774732	60.0000	60.2434(A)
117 1,2-Dichlorobenzene	146	14.565	14.565	(1.036)	2889015	60.0000	61.0835(A)
118 1,2-Dibromo-3-chloropropane	157	15.571	15.571	(1.108)	131507	60.0000	62.6607(A)
120 1,2,4-Trichlorobenzene	180	16.784	16.784	(1.194)	2111392	60.0000	62.0776(A)
121 Hexachlorobutadiene	225	16.981	16.981	(1.208)	1856369	60.0000	57.6702
122 Naphthalene	128	17.247	17.247	(1.227)	2011769	60.0000	64.1609(A)
123 1,2,3-Trichlorobenzene	180	17.651	17.651	(1.256)	1557829	60.0000	61.3840(A)

QC Flag Legend

A - Target compound detected but, quantitated amount
    exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: RR6394.D

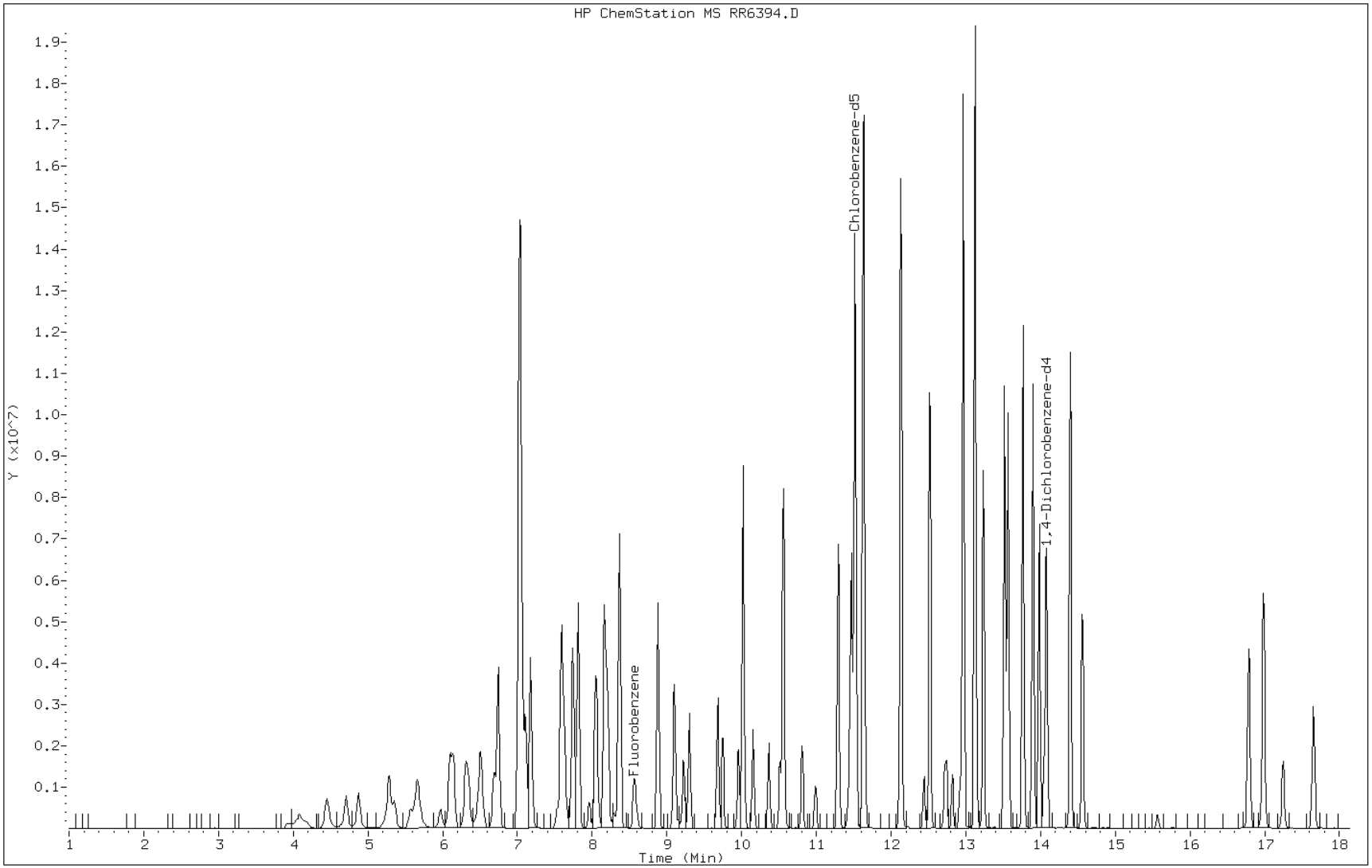
Date: 15-JUN-2012 09:52

Client ID:

Instrument: R2.i

Sample Info: IC,,M 60 30uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Lab Sample ID: ICV 280-124040/9 Calibration Date: 06/14/2012 09:46

Instrument ID: MSV_R2 Calib Start Date: 06/14/2012 07:32

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/14/2012 09:23

Lab File ID: RR6360.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.7189	0.7829		10.9	10.0	8.9	50.0
Ethyl ether	Ave	0.1209	0.1228		10.2	10.0	1.5	35.0
Isopropyl alcohol	Ave	0.0047	0.0048		201	200	0.3	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.5501	0.6119		11.1	10.0	11.2	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2920	0.3286		11.3	10.0	12.5	35.0
Methyl acetate	Ave	0.0607	0.0620		51.1	50.0	2.2	55.0
Allyl chloride	Ave	0.4807	0.5216		10.9	10.0	8.5	35.0
Carbon disulfide	Ave	1.356	1.313		9.68	10.0	-3.2	20.0
Methyl tert-butyl ether	Ave	0.3366	0.3546		10.5	10.0	5.3	20.0
Hexane	Ave	2.336	2.308		9.88	10.0	-1.2	20.0
Vinyl acetate	Ave	0.2479	0.2209		17.8	20.0	-10.9	55.0
Tert-butyl ethyl ether	Ave	0.5682	0.6036		53.1	50.0	6.2	35.0
Ethyl acetate	Ave	0.0944	0.0986		20.9	20.0	4.4	55.0
2-Butanol	Ave	0.0052	0.0052		302	301	0.3	50.0
Tetrahydrofuran	Ave	0.0208	0.0207		19.9	20.0	-0.6	55.0
Cyclohexane	Ave	0.5574	0.6182		11.1	10.0	10.9	35.0
Tert-amyl methyl ether	Ave	0.4054	0.4192		51.7	50.0	3.4	35.0
2-Pentanone	Ave	0.0635	0.0700		44.1	40.0	10.3	55.0
Methyl methacrylate	Ave	0.0214	0.0223		20.8	20.0	4.0	35.0
Methylcyclohexane	Ave	0.4888	0.5405		11.1	10.0	10.6	35.0
2-Chloroethyl vinyl ether	Ave	0.0583	0.0620		10.6	10.0	6.4	55.0
2-Nitropropane	Ave	0.0220	0.0232		10.5	10.0	5.4	55.0
Ethyl methacrylate	Ave	0.6161	0.6319		20.5	20.0	2.6	35.0
cis-1,4-Dichloro-2-butene	Ave	0.1110	0.1031		9.29	10.0	-7.1	55.0
trans-1,4-Dichloro-2-butene	Lin1	0.0907	0.0916		9.22	10.0	-7.8	55.0
Dibromofluoromethane (Surr)	Lin2	0.4864	0.4306		9.90	10.0	-1.0	35.0
1,2-Dichloroethane-d4 (Surr)	Lin	0.3193	0.2783		9.71	10.0	-2.9	35.0
Toluene-d8 (Surr)	Lin1	7.226	6.252		9.96	10.0	-0.4	35.0
4-Bromofluorobenzene (Surr)	Lin2	1.493	1.286		9.74	10.0	-2.6	35.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6360.D
Lab Smp Id: ICV
Inj Date : 14-JUN-2012 09:46
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,S 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	8.564	8.561	(1.000)	995420	12.5000	
* 88 Chlorobenzene-d5	119	11.434	11.431	(1.000)	212474	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.047	14.044	(1.000)	296826	12.5000	
$ 52 Dibromofluoromethane (Surr)	111	7.963	7.959	(0.930)	342936	9.90226	9.90226
$ 58 1,2-Dichloroethane-d4	65	8.288	8.285	(0.968)	221616	9.71038	9.71038
$ 76 Toluene-d8	98	9.955	9.951	(0.871)	1062636	9.96483	9.96483
$ 99 4-Bromofluorobenzene (Surr)	95	12.736	12.742	(0.907)	305256	9.74242	9.74242
11 Ethylene Oxide	43	5.192	5.198	(0.606)	460316	1180.91	1180.91
14 Dichlorofluoromethane	67	5.527	5.534	(0.645)	623465	10.8906	10.8906
17 1,2-dichloro-1,1,2-trifluoroe	117	5.803	5.810	(0.678)	306920	11.1078	11.1078
21 Propylene Oxide	58	5.912	5.908	(0.690)	784590	545.126	545.126
19 Ethyl Ether	59	5.783	5.790	(0.675)	97762	10.1545	10.1545
20 2,2-dichloro-1,1,1-trifluoroe	83	5.852	5.849	(0.683)	487303	11.1244	11.1244
23 Trichlorotrifluoroethane	151	6.089	6.096	(0.711)	261695	11.2550	11.2550
18 2-propanol	45	5.783	5.790	(0.675)	75776	200.578	200.578
27 Methyl Acetate	43	6.336	6.332	(0.740)	246968	51.0902	51.0902
29 Allyl Chloride	41	6.395	6.391	(0.747)	415364	10.8500	10.8500
30 Carbon Disulfide	76	6.405	6.411	(0.748)	1045258	9.68031	9.68031
34 Methyl t-butyl ether	73	6.691	6.687	(0.781)	282405	10.5348	10.5348
36 Hexane	57	6.908	6.904	(0.604)	392252	9.87848	9.87848
37 Vinyl acetate	43	7.026	7.023	(0.820)	351806	17.8233	17.8233
41 ETBE	59	7.341	7.348	(0.857)	2403291	53.1105	53.1105

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
42	Ethyl Acetate	43	7.499	7.496	(0.876)	157069	20.8897	20.8897
44	2-Butanol	45	7.568	7.565	(0.884)	125886	302.245	302.245
51	Tetrahydrofuran	42	7.835	7.841	(0.915)	32948	19.8799	19.8799
55	Cyclohexane	56	8.121	8.127	(0.948)	492284	11.0901	11.0901
59	TAME	73	8.337	8.344	(0.974)	1668941	51.7015	51.7014
65	2-Pentanone	43	8.929	8.926	(1.043)	223053	44.1056	44.1056
67	Methyl Cyclohexane	55	9.087	9.084	(1.061)	430415	11.0565	11.0565
66	Methyl Methacrylate	100	9.028	9.024	(1.054)	35455	20.8029	20.8029
73	2-nitropropane	41	9.471	9.478	(1.106)	18440	10.5393	10.5393
72	2-Chloroethyl vinyl ether	63	9.462	9.458	(1.105)	49377	10.6398	10.6398
78	Ethyl methacrylate	69	10.122	10.119	(0.885)	214822	20.5138	20.5138
85	Tetrahydrothiophene	60	10.862	10.859	(0.950)	39878	8.05930	8.05930
97	cis-1,4-dichloro-2-butene	53	12.568	12.574	(0.895)	24470	9.28763	9.28763
101	t-1,4-Dichloro-2-butene	53	12.874	12.870	(0.916)	21754	9.21640	9.21640
115	1,2,3-Trimethylbenzene	105	14.087	14.083	(1.003)	764269	10.3246	10.3246
119	Tetralin	104	Compound Not Detected.					

Data File: RR6360.D

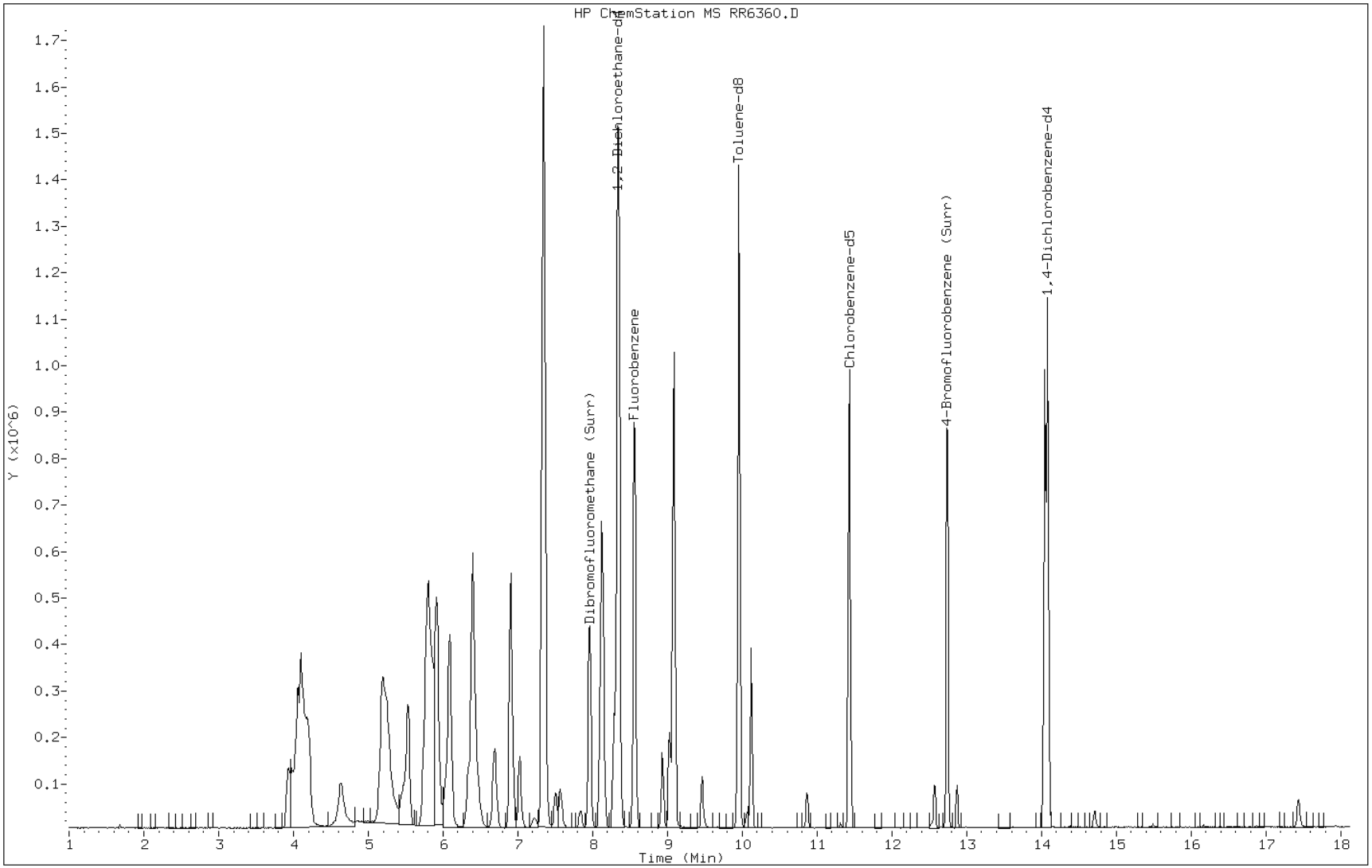
Date: 14-JUN-2012 09:46

Client ID:

Instrument: R2.i

Sample Info: ICV,,S 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Lab Sample ID: ICV 280-124226/10 Calibration Date: 06/15/2012 10:15

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6395.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Ave	0.0008	0.0009		227	200	13.5	50.0
2-Chloro-1,3-butadiene	Ave	0.5727	0.5547		9.69	10.0	-3.1	35.0
Propionitrile	Ave	0.0095	0.0095		100	100	0.2	35.0
Methacrylonitrile	Ave	0.0514	0.0534		104	100	3.7	50.0
Isobutyl alcohol	Ave	0.0021	0.0021		201	200	0.6	50.0
1,4-Dioxane	Ave	0.0007	0.0007		199	200	-0.3	55.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6395.D
Lab Smp Id: ICV
Inj Date : 15-JUN-2012 10:15
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,MB 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvmb.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	8.564	8.559	(1.000)	1228623	12.5000	
* 88 Chlorobenzene-d5	119	11.433	11.439	(1.000)	256376	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.046	14.052	(1.000)	350169	12.5000	(Q)
16 Ethanol	45	5.654	5.670	(0.660)	17394	227.086	227.086
40 Chloroprene	53	7.183	7.179	(0.839)	545204	9.68539	9.68539
46 Propionitrile	54	7.607	7.613	(0.888)	93354	100.213	100.213
48 Methacrylonitrile	41	7.745	7.741	(0.904)	524389	103.741	103.741
53 Isobutanol	41	8.041	8.037	(0.939)	41077	201.160	201.160
69 1,4-Dioxane	88	9.165	9.161	(1.070)	13426	199.318	199.318(a)

QC Flag Legend

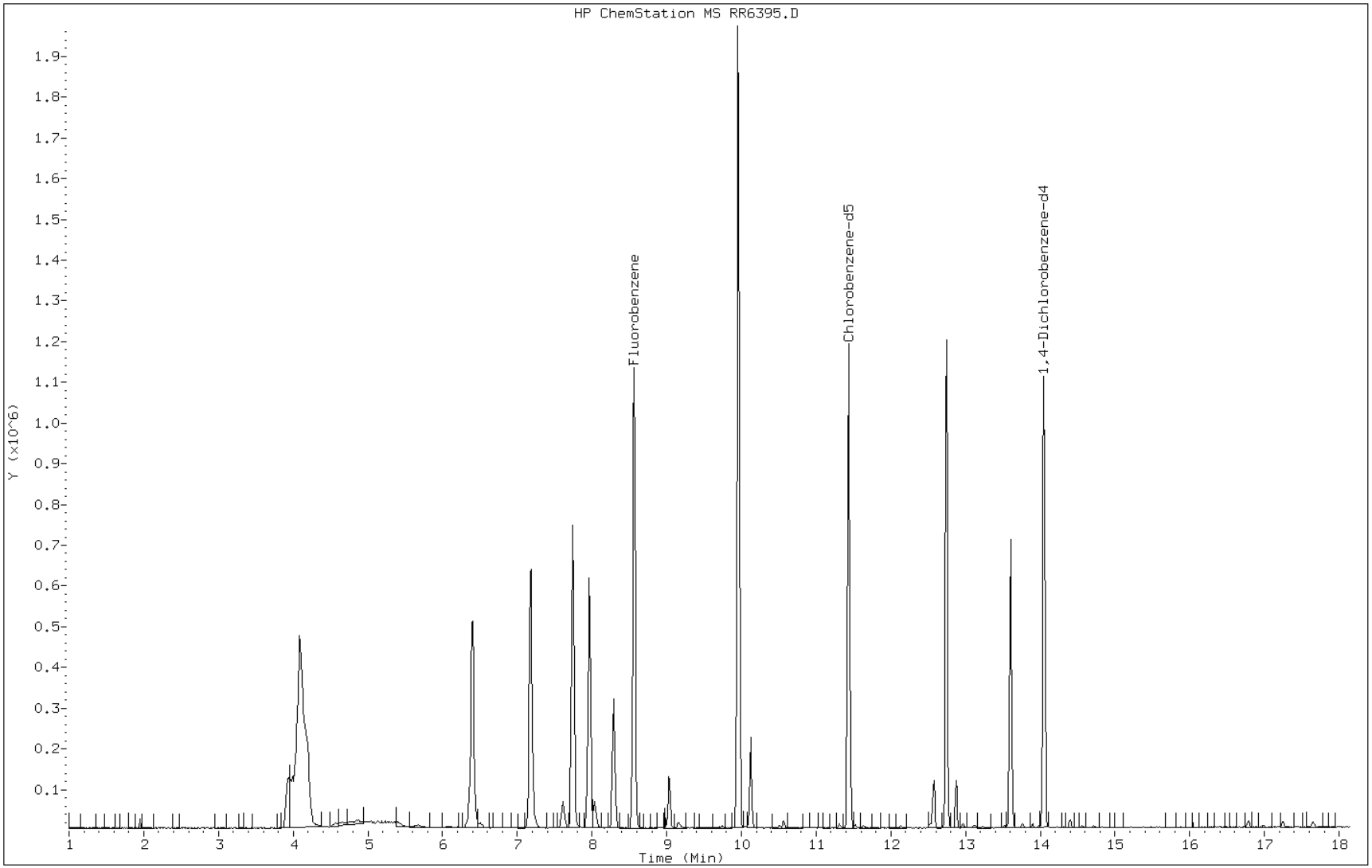
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6395.D

Date: 15-JUN-2012 10:15

Client ID: Instrument: R2.i

Sample Info: ICV,,MB 5uL Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Lab Sample ID: ICV 280-124226/11 Calibration Date: 06/15/2012 10:37

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6396.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3471	0.3470		20.0	20.0	-0.0	20.0
Xylenes, Total	Ave	2.361	2.385		30.3	30.0	1.0	35.0
Dichlorodifluoromethane	Ave	0.3448	0.3205		9.29	10.0	-7.1	20.0
Chloromethane	Ave	0.2969	0.3102	0.1000	10.4	10.0	4.5	20.0
Vinyl chloride	Ave	0.3192	0.3275		10.3	10.0	2.6	20.0
Bromomethane	Ave	0.2986	0.2971		9.95	10.0	-0.5	20.0
Chloroethane	Ave	0.2063	0.2075		10.1	10.0	0.6	20.0
Trichlorofluoromethane	Ave	0.5398	0.5485		10.2	10.0	1.6	20.0
Acrolein	Ave	0.0127	0.0123		97.1	100	-2.9	55.0
1,1-Dichloroethene	Ave	0.3354	0.3376		10.1	10.0	0.7	20.0
Iodomethane	Ave	0.6862	0.6383		9.30	10.0	-7.0	35.0
Methylene Chloride	Lin	0.2999	0.2795		10.3	10.0	2.6	20.0
Acrylonitrile	Ave	0.0268	0.0288		107	100	7.3	55.0
trans-1,2-Dichloroethene	Ave	0.3616	0.3605		9.97	10.0	-0.3	20.0
1,1-Dichloroethane	Ave	0.5988	0.5850	0.1000	9.77	10.0	-2.3	20.0
2-Butanone (MEK)	Ave	0.0350	0.0373		42.6	40.0	6.6	20.0
cis-1,2-Dichloroethene	Ave	0.3325	0.3336		10.0	10.0	0.3	20.0
2,2-Dichloropropane	Ave	0.4819	0.4798		9.96	10.0	-0.4	20.0
Chlorobromomethane	Ave	0.1256	0.1248		9.94	10.0	-0.6	20.0
Chloroform	Ave	0.5936	0.5635		9.49	10.0	-5.1	20.0
1,1,1-Trichloroethane	Ave	0.5463	0.5219		9.55	10.0	-4.5	20.0
1,1-Dichloropropene	Ave	0.4935	0.4936		10.0	10.0	0.0	20.0
Carbon tetrachloride	Ave	0.5147	0.5038		9.79	10.0	-2.1	20.0
1,2-Dichloroethane	Ave	0.2424	0.2619		10.8	10.0	8.0	20.0
Benzene	Ave	1.163	1.134		9.75	10.0	-2.5	20.0
Trichloroethene	Ave	0.3511	0.3522		10.0	10.0	0.3	20.0
1,2-Dichloropropane	Ave	0.2498	0.2508		10.0	10.0	0.4	20.0
Dibromomethane	Ave	0.1189	0.1211		10.2	10.0	1.8	20.0
Dichlorobromomethane	Ave	0.3320	0.3278		9.87	10.0	-1.3	20.0
cis-1,3-Dichloropropene	Ave	0.3343	0.3405		10.2	10.0	1.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0776	0.0862		44.4	40.0	11.1	20.0
Toluene	Ave	1.161	1.193		10.3	10.0	2.7	20.0
trans-1,3-Dichloropropene	Ave	0.2378	0.2523		10.6	10.0	6.1	20.0
1,1,2-Trichloroethane	Ave	0.1222	0.1274		10.4	10.0	4.3	20.0
2-Hexanone	Ave	0.2504	0.2783		44.5	40.0	11.1	20.0
1,3-Dichloropropane	Ave	1.072	1.071		9.99	10.0	-0.1	20.0
Tetrachloroethene	Ave	1.545	1.547		10.0	10.0	0.2	20.0
Chlorodibromomethane	Ave	0.9507	0.9526		10.0	10.0	0.2	20.0
Ethylene Dibromide	Ave	0.6361	0.6602		10.4	10.0	3.8	20.0
1-Chlorohexane	Ave	2.243	2.270		10.1	10.0	1.2	35.0
Chlorobenzene	Ave	3.620	3.491	0.3000	9.64	10.0	-3.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Lab Sample ID: ICV 280-124226/11 Calibration Date: 06/15/2012 10:37

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6396.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,1,2-Tetrachloroethane	Ave	1.213	1.187		9.78	10.0	-2.2	20.0
Ethylbenzene	Ave	1.990	2.040		10.3	10.0	2.5	20.0
m-Xylene & p-Xylene	Ave	2.441	2.479		20.3	20.0	1.6	20.0
o-Xylene	Ave	2.202	2.197		9.98	10.0	-0.2	20.0
Styrene	Ave	3.210	3.281		10.2	10.0	2.2	20.0
Bromoform	Ave	0.5326	0.5328	0.1000	10.0	10.0	0.0	20.0
Isopropylbenzene	Ave	4.198	4.352		10.4	10.0	3.7	20.0
Cyclohexanone	Ave	0.0129	0.0115		224	250	-10.5	35.0
1,1,2,2-Tetrachloroethane	Lin1	0.4145	0.4089	0.3000	10.6	10.0	6.4	20.0
1,2,3-Trichloropropane	Ave	0.0973	0.0999		10.3	10.0	2.7	20.0
Bromobenzene	Ave	0.9659	0.9885		10.2	10.0	2.3	20.0
N-Propylbenzene	Ave	1.147	1.164		10.1	10.0	1.4	20.0
1,3,5-Trimethylbenzene	Ave	3.343	3.425		10.2	10.0	2.4	20.0
2-Chlorotoluene	Ave	1.001	1.002		10.0	10.0	0.0	20.0
4-Chlorotoluene	Ave	0.9519	0.9757		10.3	10.0	2.5	20.0
tert-Butylbenzene	Ave	2.964	3.034		10.2	10.0	2.4	20.0
1,2,4-Trimethylbenzene	Ave	3.262	3.256		9.98	10.0	-0.2	20.0
sec-Butylbenzene	Ave	0.9141	0.9351		10.2	10.0	2.3	20.0
4-Isopropyltoluene	Ave	3.776	3.775		10.0	10.0	-0.0	20.0
1,3-Dichlorobenzene	Ave	1.867	1.845		9.89	10.0	-1.1	20.0
1,4-Dichlorobenzene	Ave	1.825	1.750		9.59	10.0	-4.1	20.0
n-Butylbenzene	Ave	3.900	3.928		10.1	10.0	0.7	20.0
1,2-Dichlorobenzene	Ave	1.429	1.308		9.15	10.0	-8.5	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0634	0.0629		9.92	10.0	-0.8	20.0
1,2,4-Trichlorobenzene	Ave	1.028	1.006		9.79	10.0	-2.1	20.0
Hexachlorobutadiene	Ave	0.9728	0.9150		9.41	10.0	-5.9	20.0
Naphthalene	Ave	0.9476	0.9746		10.3	10.0	2.8	20.0
1,2,3-Trichlorobenzene	Ave	0.7670	0.7553		9.85	10.0	-1.5	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6396.D
Lab Smp Id: ICV
Inj Date : 15-JUN-2012 10:37
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,MA 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvma-Ace.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
*	62 Fluorobenzene	96	8.571	8.559	(1.000)	1172093	12.5000		
*	88 Chlorobenzene-d5	119	11.441	11.439	(1.000)	246742	12.5000		
*	113 1,4-Dichlorobenzene-d4	152	14.054	14.052	(1.000)	371869	12.5000		(Q)
M	2 1,2-Dichloroethene (total)	96				650792	19.9995	19.9994	
M	3 Xylene (total)	106				1412262	30.2894	30.2894	
M	4 1,3-Dichloropropene (total)	100				555898	20.7963	20.7963	
M	1 Trihalomethanes (total)	100				1128906	39.3895	39.3894	
	7 dichlorodifluoromethane	85	4.459	4.447	(0.520)	300536	9.29450	9.29450	
	9 Chloromethane	50	4.715	4.704	(0.550)	290861	10.4477	10.4477	
	10 Vinyl Chloride	62	4.873	4.871	(0.569)	307078	10.2609	10.2609	
	12 Bromomethane	94	5.287	5.285	(0.617)	278577	9.94927	9.94927	
	13 Chloroethane	64	5.346	5.354	(0.624)	194534	10.0567	10.0567	
	15 Trichlorofluoromethane	101	5.672	5.660	(0.662)	514301	10.1600	10.1600	
	22 Acrolein	56	5.987	5.976	(0.699)	115603	97.0644	97.0644	
	25 1,1-Dichloroethene	96	6.116	6.133	(0.714)	316547	10.0665	10.0665	
	26 Iodomethane	142	6.323	6.311	(0.738)	598527	9.30157	9.30157	
	32 Methylene Chloride	84	6.520	6.508	(0.761)	262049	10.2567	10.2566	
	33 Acrylonitrile	53	6.697	6.686	(0.781)	269610	107.290	107.290	
	35 trans-1,2-Dichloroethene	96	6.757	6.745	(0.788)	338012	9.96785	9.96785	
	39 1,1-Dichloroethane	63	7.112	7.110	(0.830)	548546	9.76990	9.76990	
	43 2-Butanone	43	7.536	7.524	(0.879)	139890	42.6443	42.6443	
	45 cis-1,2-Dichloroethene	96	7.595	7.583	(0.886)	312780	10.0316	10.0316	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
47	2,2-Dichloropropane	77	7.624	7.613	(0.890)	449913	9.95663	9.95662
49	Bromochloromethane	128	7.822	7.810	(0.913)	117036	9.93967	9.93967
50	Chloroform	83	7.822	7.820	(0.913)	528360	9.49330	9.49330
54	1,1,1-Trichloroethane	97	8.058	8.056	(0.940)	489406	9.55424	9.55424
56	1,1-Dichloropropene	75	8.167	8.165	(0.953)	462797	10.0012	10.0012
57	Carbon Tetrachloride	117	8.206	8.204	(0.957)	472389	9.78850	9.78850
60	1,2-Dichloroethane	62	8.364	8.352	(0.976)	245592	10.8042	10.8042
61	Benzene	78	8.374	8.372	(0.977)	1063002	9.74778	9.74778
64	Trichloroethene	95	8.887	8.875	(1.037)	330280	10.0327	10.0327
68	1,2-Dichloropropane	63	9.104	9.102	(1.062)	235118	10.0390	10.0390
70	Dibromomethane	93	9.232	9.220	(1.077)	113541	10.1803	10.1803
71	Bromodichloromethane	83	9.301	9.299	(1.085)	307338	9.87311	9.87311
74	cis-1,3-Dichloropropene	75	9.685	9.684	(1.130)	319292	10.1859	10.1859
75	4-Methyl-2-pentanone	43	9.754	9.743	(1.138)	323391	44.4365	44.4364
77	Toluene	91	10.021	10.019	(1.169)	1118179	10.2741	10.2741
79	trans-1,3-Dichloropropene	75	10.159	10.157	(1.185)	236606	10.6104	10.6104
80	1,1,2-Trichloroethane	97	10.366	10.364	(1.209)	119416	10.4250	10.4250
81	2-Hexanone	43	10.514	10.512	(0.919)	219737	44.4500	44.4500
82	1,3-Dichloropropane	76	10.553	10.551	(0.922)	211421	9.98896	9.98896
83	Tetrachloroethene	164	10.563	10.561	(0.923)	305410	10.0151	10.0151
84	Dibromochloromethane	129	10.810	10.808	(0.945)	188036	10.0198	10.0198
86	1,2-Dibromoethane	107	10.997	10.985	(0.961)	130318	10.3780	10.3780
87	1-Chlorohexane	91	11.293	11.291	(0.987)	448046	10.1207	10.1207
89	Chlorobenzene	112	11.470	11.468	(1.003)	689021	9.64154	9.64154
90	1,1,1,2-Tetrachloroethane	131	11.520	11.518	(1.007)	234210	9.78214	9.78214
91	Ethylbenzene	106	11.520	11.518	(1.007)	402762	10.2526	10.2526
92	m and p-Xylene	106	11.638	11.636	(1.017)	978683	20.3139	20.3139
93	o-Xylene	106	12.131	12.129	(1.060)	433579	9.97550	9.97550
94	Styrene	104	12.141	12.129	(1.061)	647554	10.2186	10.2186
95	Bromoform	173	12.447	12.445	(1.088)	105172	10.0033	10.0033
96	isopropyl benzene	105	12.516	12.514	(0.891)	1294674	10.3678	10.3678
98	Cyclohexanone	55	12.723	12.721	(1.112)	56880	223.735	223.735
100	1,1,2,2-Tetrachloroethane	83	12.821	12.819	(0.912)	121659	10.6376	10.6376
102	1,2,3-Trichloropropane	110	12.920	12.918	(0.919)	29720	10.2699	10.2699(Q)
103	Bromobenzene	156	12.969	12.967	(0.923)	294060	10.2336	10.2336
104	n-Propylbenzene	120	12.969	12.967	(0.923)	346237	10.1446	10.1446
106	2-Chlorotoluene	126	13.137	13.135	(0.935)	297991	10.0083	10.0083
105	1,3,5-Trimethylbenzene	105	13.117	13.125	(0.933)	1018861	10.2449	10.2449
107	4-Chlorotoluene	126	13.235	13.234	(0.942)	290269	10.2507	10.2506
108	tert-Butylbenzene	119	13.521	13.520	(0.962)	902716	10.2364	10.2364
109	1,2,4-Trimethylbenzene	105	13.561	13.569	(0.965)	968695	9.98288	9.98288
110	sec-Butylbenzene	134	13.768	13.766	(0.980)	278188	10.2296	10.2296
111	4-Isopropyltoluene	119	13.896	13.904	(0.989)	1122955	9.99577	9.99577
112	1,3-Dichlorobenzene	146	13.985	13.983	(0.995)	548995	9.88661	9.88661
114	1,4-dichlorobenzene	146	14.084	14.082	(1.002)	520492	9.58743	9.58743
116	n-Butylbenzene	91	14.399	14.397	(1.025)	1168544	10.0706	10.0706
117	1,2-Dichlorobenzene	146	14.567	14.565	(1.036)	389266	9.15394	9.15394
118	1,2-Dibromo-3-chloropropane	157	15.573	15.571	(1.108)	18715	9.91799	9.91799
120	1,2,4-Trichlorobenzene	180	16.785	16.784	(1.194)	299284	9.78672	9.78672
121	Hexachlorobutadiene	225	16.993	16.981	(1.209)	272212	9.40550	9.40550
122	Naphthalene	128	17.249	17.247	(1.227)	289929	10.2842	10.2842
123	1,2,3-Trichlorobenzene	180	17.653	17.651	(1.256)	224686	9.84689	9.84689

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR6396.D

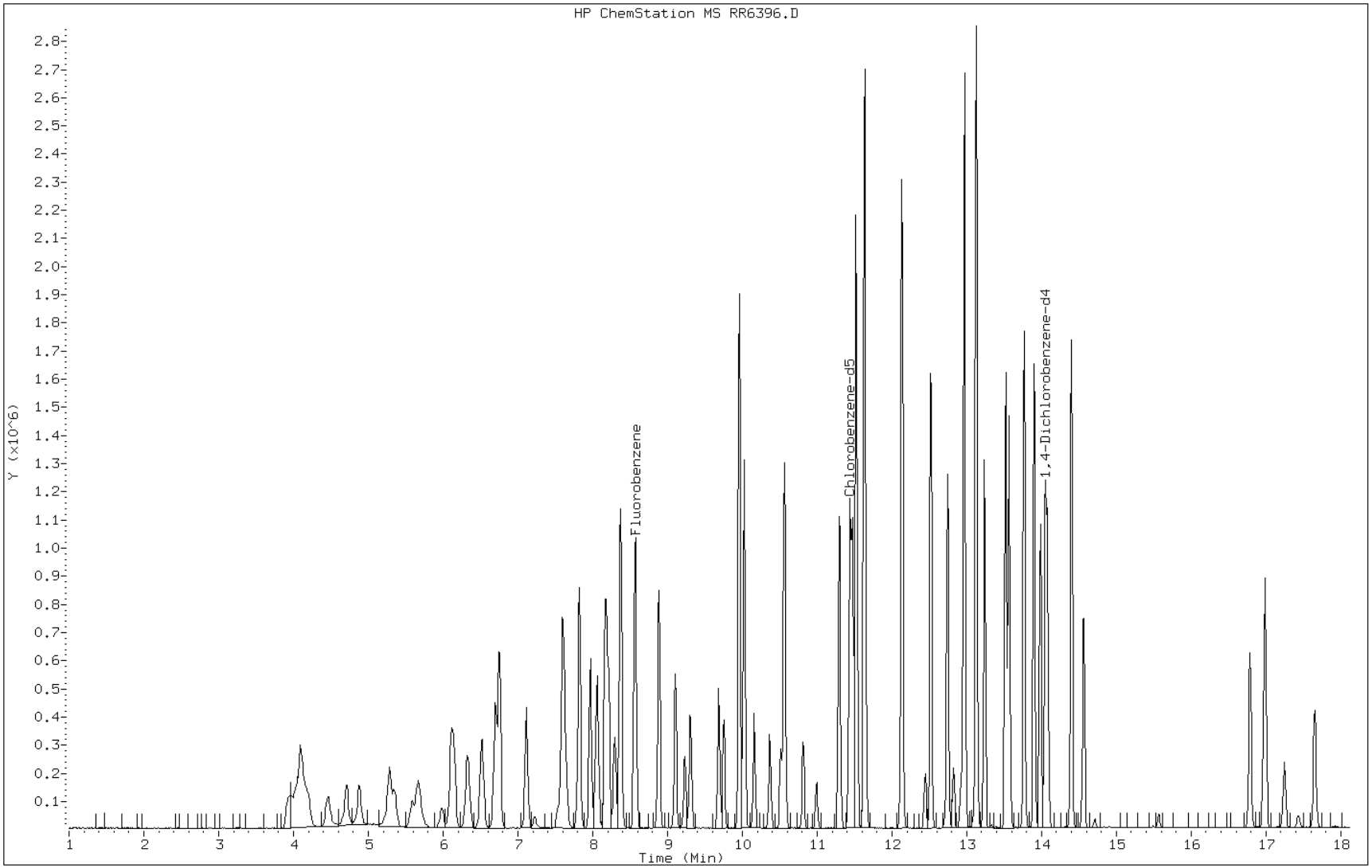
Date: 15-JUN-2012 10:37

Client ID:

Instrument: R2.i

Sample Info: ICV,,MA 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Lab Sample ID: ICV 280-124226/13 Calibration Date: 06/15/2012 11:22

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6398.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetone	Lin	0.0307	0.0269		44.2	40.0	10.4	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6398.D
Lab Smp Id: ICV
Inj Date : 15-JUN-2012 11:22
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,MAcetone 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvmAcetone.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 62 Fluorobenzene	96	8.559	8.559	(1.000)	1038187	12.5000		
* 88 Chlorobenzene-d5	119	11.439	11.439	(1.000)	220666	12.5000		
* 113 1,4-Dichlorobenzene-d4	152	14.052	14.052	(1.000)	311462	12.5000		(Q)
24 Acetone	43	6.084	6.084	(0.711)	89396	44.1516	44.1516	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR6398.D

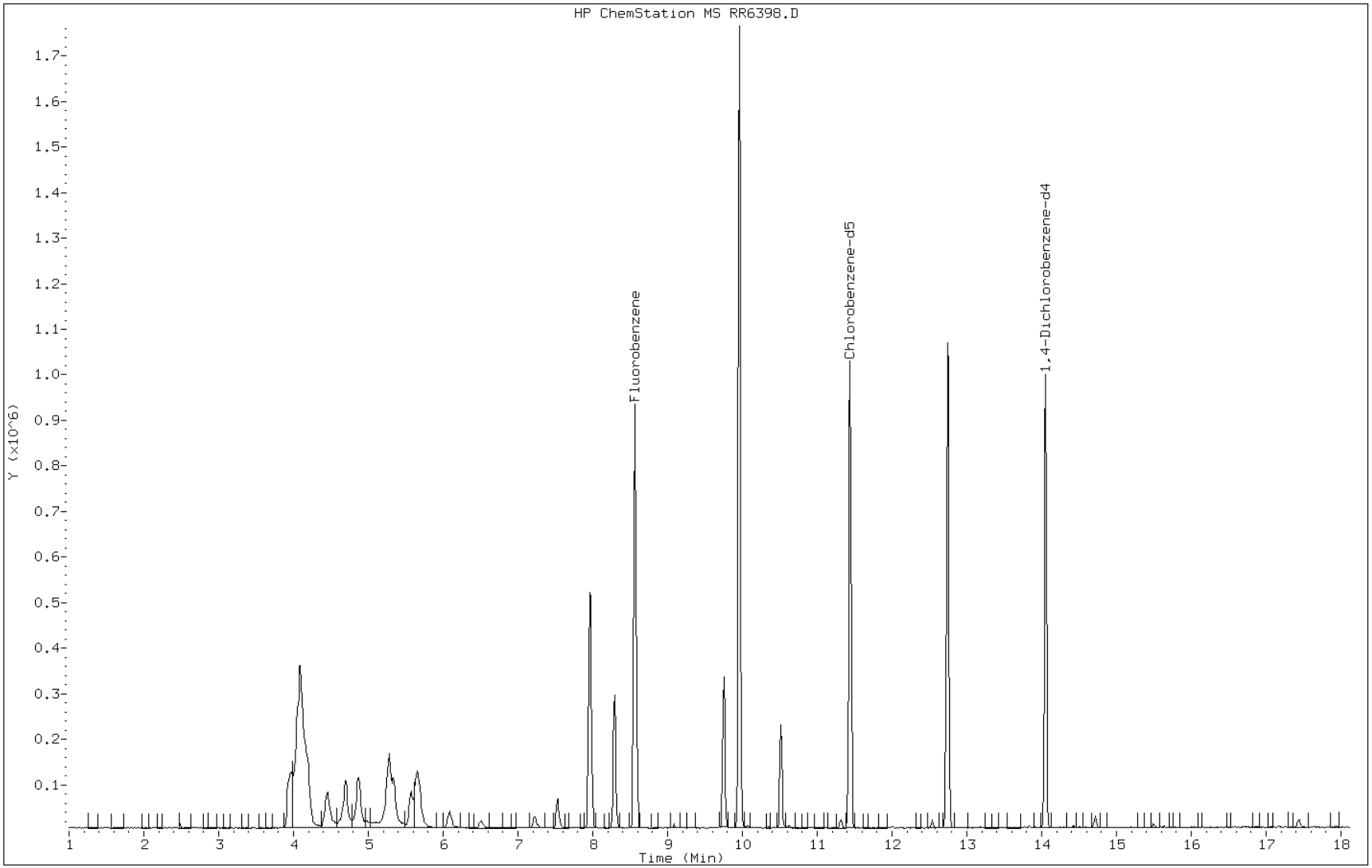
Date: 15-JUN-2012 11:22

Client ID:

Instrument: R2.i

Sample Info: ICV,,MAcetone 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Lab Sample ID: CCV 280-126338/2 Calibration Date: 07/02/2012 06:43

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6857.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3471	0.3407		19.6	20.0	-1.8	20.0
Xylenes, Total	Ave	2.361	2.364		30.0	30.0	0.1	35.0
Ethanol	Ave	0.0008	0.0008		542	500	8.4	50.0
1,1-Dichloroethene	Ave	0.3354	0.3304		9.85	10.0	-1.5	20.0
Iodomethane	Ave	0.6862	0.6627		9.66	10.0	-3.4	35.0
Acetonitrile	Ave	0.0088	0.0088		99.9	100	-0.0	50.0
2-Methyl-2-propanol	Ave	0.0060	0.0056		186	200	-7.0	50.0
Methylene Chloride	Lin	0.2999	0.2797		10.3	10.0	2.7	20.0
Acrylonitrile	Ave	0.0268	0.0276		103	100	3.0	50.0
trans-1,2-Dichloroethene	Ave	0.3616	0.3540		9.79	10.0	-2.1	20.0
Isopropyl ether	Ave	0.1627	0.1597		49.0	50.0	-1.9	35.0
1,1-Dichloroethane	Ave	0.5988	0.5755	0.1000	9.61	10.0	-3.9	20.0
2-Chloro-1,3-butadiene	Ave	0.5727	0.4527		7.91	10.0	-20.9	35.0
cis-1,2-Dichloroethene	Ave	0.3325	0.3274		9.85	10.0	-1.5	20.0
Propionitrile	Ave	0.0095	0.0098		104	100	3.6	50.0
2,2-Dichloropropane	Ave	0.4819	0.4627		9.60	10.0	-4.0	20.0
Methacrylonitrile	Ave	0.0514	0.0509		99.0	100	-1.0	50.0
Chlorobromomethane	Ave	0.1256	0.1216		9.68	10.0	-3.2	20.0
Chloroform	Ave	0.5936	0.5341		9.00	10.0	-10.0	20.0
Isobutyl alcohol	Ave	0.0021	0.0021		197	200	-1.3	50.0
1,1,1-Trichloroethane	Ave	0.5463	0.5034		9.21	10.0	-7.9	20.0
1,1-Dichloropropene	Ave	0.4935	0.4770		9.67	10.0	-3.3	20.0
Carbon tetrachloride	Ave	0.5147	0.4755		9.24	10.0	-7.6	20.0
1,2-Dichloroethane	Ave	0.2424	0.2331		9.61	10.0	-3.9	20.0
Benzene	Ave	1.163	1.093		9.40	10.0	-6.0	20.0
Trichloroethene	Ave	0.3511	0.3240		9.23	10.0	-7.7	20.0
1,2-Dichloropropane	Ave	0.2498	0.2450		9.81	10.0	-1.9	20.0
1,4-Dioxane	Ave	0.0007	0.0007		506	500	1.1	50.0
Dibromomethane	Ave	0.1189	0.1175		9.87	10.0	-1.3	20.0
Dichlorobromomethane	Ave	0.3320	0.3021		9.10	10.0	-9.0	20.0
cis-1,3-Dichloropropene	Ave	0.3343	0.3261		9.76	10.0	-2.4	20.0
Toluene	Ave	1.161	1.151		9.92	10.0	-0.8	20.0
trans-1,3-Dichloropropene	Ave	0.2378	0.2372		9.97	10.0	-0.3	20.0
1,1,2-Trichloroethane	Ave	0.1222	0.1229		10.1	10.0	0.6	20.0
1,3-Dichloropropane	Ave	1.072	1.055		9.84	10.0	-1.6	20.0
Tetrachloroethene	Ave	1.545	1.578		10.2	10.0	2.1	20.0
Chlorodibromomethane	Ave	0.9507	0.9125		9.60	10.0	-4.0	20.0
Ethylene Dibromide	Ave	0.6361	0.6341		9.97	10.0	-0.3	20.0
1-Chlorohexane	Ave	2.243	2.357		10.8	10.2	5.1	35.0
Chlorobenzene	Ave	3.620	3.477	0.3000	9.60	10.0	-4.0	20.0
Ethylbenzene	Ave	1.990	1.990		10.0	10.0	-0.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Lab Sample ID: CCV 280-126338/2 Calibration Date: 07/02/2012 06:43

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6857.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,1,2-Tetrachloroethane	Ave	1.213	1.125		9.28	10.0	-7.2	20.0
m-Xylene & p-Xylene	Ave	2.441	2.449		20.1	20.0	0.3	20.0
o-Xylene	Ave	2.202	2.195		9.97	10.0	-0.3	20.0
Styrene	Ave	3.210	2.984		9.30	10.0	-7.0	20.0
Bromoform	Ave	0.5326	0.4976	0.1000	9.34	10.0	-6.6	20.0
Isopropylbenzene	Ave	4.198	4.217		10.0	10.0	0.5	20.0
1,1,2,2-Tetrachloroethane	Lin1	0.4145	0.3907	0.3000	9.43	10.0	-5.7	20.0
1,2,3-Trichloropropane	Ave	0.0973	0.0984		10.1	10.0	1.1	20.0
Bromobenzene	Ave	0.9659	0.9778		10.1	10.0	1.2	20.0
N-Propylbenzene	Ave	1.147	1.188		10.4	10.0	3.5	20.0
1,3,5-Trimethylbenzene	Ave	3.343	3.259		9.75	10.0	-2.5	20.0
2-Chlorotoluene	Ave	1.001	1.009		10.1	10.0	0.8	20.0
4-Chlorotoluene	Ave	0.9519	0.9939		10.4	10.0	4.4	20.0
tert-Butylbenzene	Ave	2.964	3.037		10.2	10.0	2.4	20.0
1,2,4-Trimethylbenzene	Ave	3.262	3.278		10.1	10.0	0.5	20.0
sec-Butylbenzene	Ave	0.9141	0.9697		10.6	10.0	6.1	20.0
4-Isopropyltoluene	Ave	3.776	3.872		10.3	10.0	2.5	20.0
1,3-Dichlorobenzene	Ave	1.867	1.920		10.3	10.0	2.9	20.0
1,4-Dichlorobenzene	Ave	1.825	1.827		10.0	10.0	0.1	20.0
n-Butylbenzene	Ave	3.900	3.941		10.1	10.0	1.0	20.0
1,2-Dichlorobenzene	Ave	1.429	1.484		10.4	10.0	3.8	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0634	0.0631		9.94	10.0	-0.6	20.0
1,2,4-Trichlorobenzene	Ave	1.028	1.055		10.3	10.0	2.6	20.0
Hexachlorobutadiene	Ave	0.9728	0.9440		9.70	10.0	-3.0	20.0
Naphthalene	Ave	0.9476	0.9731		10.3	10.0	2.7	20.0
1,2,3-Trichlorobenzene	Ave	0.7670	0.7894		10.3	10.0	2.9	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6857.D
Lab Smp Id: CCV
Inj Date : 02-JUL-2012 06:43
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,M 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main-Chlometh.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.564	8.564	(1.000)	1468900	12.5000	
*	88 Chlorobenzene-d5	119	11.434	11.434	(1.000)	311657	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.047	14.047	(1.000)	472261	12.5000	
M	2 1,2-Dichloroethene (total)	96				800770	20.0000	19.6358
M	1 Trihalomethanes (total)	100				1334223	40.0000	37.0381
M	4 1,3-Dichloropropene (total)	100				661991	20.0000	19.7302
M	3 Xylene (total)	106				1768325	30.0000	30.0344
	7 dichlorodifluoromethane	85	4.462	4.462	(0.521)	403662	10.0000	9.96133
	10 Vinyl Chloride	62	4.876	4.876	(0.569)	341944	10.0000	9.11717
	12 Bromomethane	94	5.291	5.291	(0.618)	299960	10.0000	8.54829
	13 Chloroethane	64	5.350	5.350	(0.625)	199395	10.0000	8.22516
	15 Trichlorofluoromethane	101	5.665	5.665	(0.661)	629931	10.0000	9.92981
	16 Ethanol	45	5.655	5.655	(0.660)	49642	500.000	542.083
	22 Acrolein	56	5.971	5.971	(0.697)	142498	100.000	95.4705
	24 Acetone	43	6.089	6.089	(0.711)	107390	40.0000	36.4170
	25 1,1-Dichloroethene	96	6.109	6.109	(0.713)	388242	10.0000	9.85172
	26 Iodomethane	142	6.316	6.316	(0.737)	778743	10.0000	9.65687
	28 Acetonitrile	41	6.365	6.365	(0.743)	103368	100.000	99.9478
	31 tert-Butyl alcohol	59	6.474	6.474	(0.756)	131907	200.000	185.912
	32 Methylene Chloride	84	6.513	6.513	(0.761)	328657	10.0000	10.2651
	33 Acrylonitrile	53	6.691	6.691	(0.781)	324265	100.000	102.966
	35 trans-1,2-Dichloroethene	96	6.750	6.750	(0.788)	415999	10.0000	9.78885

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
38 Isopropyl ether	87	7.036	7.036	(0.822)	938028	50.0000	49.0491
39 1,1-Dichloroethane	63	7.105	7.105	(0.830)	676222	10.0000	9.61028
40 Chloroprene	53	7.174	7.174	(0.838)	532015	10.0000	7.90512
43 2-Butanone	43	7.529	7.529	(0.879)	162677	40.0000	39.5704
45 cis-1,2-Dichloroethene	96	7.588	7.588	(0.886)	384771	10.0000	9.84699
46 Propionitrile	54	7.608	7.608	(0.888)	115332	100.000	103.554
47 2,2-Dichloropropane	77	7.618	7.618	(0.889)	543687	10.0000	9.60069
48 Methacrylonitrile	41	7.736	7.736	(0.903)	598009	100.000	98.9538
49 Bromochloromethane	128	7.815	7.815	(0.912)	142914	10.0000	9.68494
50 Chloroform	83	7.815	7.815	(0.912)	627672	10.0000	8.99891
54 1,1,1-Trichloroethane	97	8.052	8.052	(0.940)	591523	10.0000	9.21443
53 Isobutanol	41	8.032	8.032	(0.938)	48195	200.000	197.411
56 1,1-Dichloropropene	75	8.160	8.160	(0.953)	560500	10.0000	9.66515
57 Carbon Tetrachloride	117	8.209	8.209	(0.959)	558743	10.0000	9.23843
60 1,2-Dichloroethane	62	8.357	8.357	(0.976)	273886	10.0000	9.61428
61 Benzene	78	8.367	8.367	(0.977)	1284434	10.0000	9.39839
63 n-Butanol	56	8.594	8.594	(1.003)	66646	300.000	277.301
64 Trichloroethene	95	8.880	8.880	(1.037)	380713	10.0000	9.22795
68 1,2-Dichloropropane	63	9.097	9.097	(1.062)	287933	10.0000	9.80997
69 1,4-Dioxane	88	9.156	9.156	(1.069)	40713	500.000	505.544
70 Dibromomethane	93	9.225	9.225	(1.077)	138016	10.0000	9.87435
71 Bromodichloromethane	83	9.304	9.304	(1.086)	354993	10.0000	9.09971
74 cis-1,3-Dichloropropene	75	9.679	9.679	(1.130)	383228	10.0000	9.75527
75 4-Methyl-2-pentanone	43	9.748	9.748	(1.138)	354095	40.0000	38.8241
77 Toluene	91	10.024	10.024	(1.170)	1352390	10.0000	9.91524
79 trans-1,3-Dichloropropene	75	10.152	10.152	(1.185)	278763	10.0000	9.97498
80 1,1,2-Trichloroethane	97	10.369	10.369	(1.211)	144430	10.0000	10.0610
81 2-Hexanone	43	10.507	10.507	(0.919)	235291	40.0000	37.6826
82 1,3-Dichloropropane	76	10.547	10.547	(0.922)	262994	10.0000	9.83749
83 Tetrachloroethene	164	10.566	10.566	(0.924)	393427	10.0000	10.2142
84 Dibromochloromethane	129	10.813	10.813	(0.946)	227499	10.0000	9.59758
86 1,2-Dibromoethane	107	10.990	10.990	(0.961)	158098	10.0000	9.96783
87 1-Chlorohexane	91	11.296	11.296	(0.988)	602451	10.0000	10.7740
89 Chlorobenzene	112	11.474	11.474	(1.003)	866946	10.0000	9.60444
90 1,1,1,2-Tetrachloroethane	131	11.523	11.523	(1.008)	280577	10.0000	9.27783
91 Ethylbenzene	106	11.513	11.513	(1.007)	496169	10.0000	9.99955
92 m and p-Xylene	106	11.631	11.631	(1.017)	1220965	20.0000	20.0641
93 o-Xylene	106	12.124	12.124	(1.060)	547360	10.0000	9.97024
94 Styrene	104	12.134	12.134	(1.061)	744043	10.0000	9.29562
95 Bromoform	173	12.440	12.440	(1.088)	124059	10.0000	9.34194
96 isopropyl benzene	105	12.519	12.519	(0.891)	1593296	10.0000	10.0469
98 Cyclohexanone	55	12.716	12.716	(1.112)	118276	400.000	368.330
100 1,1,2,2-Tetrachloroethane	83	12.825	12.825	(0.913)	147598	10.0000	9.42586
102 1,2,3-Trichloropropane	110	12.923	12.923	(0.920)	37174	10.0000	10.1150(Q)
103 Bromobenzene	156	12.963	12.963	(0.923)	369427	10.0000	10.1235
104 n-Propylbenzene	120	12.963	12.963	(0.923)	448750	10.0000	10.3532
106 2-Chlorotoluene	126	13.130	13.130	(0.935)	381329	10.0000	10.0847
105 1,3,5-Trimethylbenzene	105	13.120	13.120	(0.934)	1231246	10.0000	9.74867
107 4-Chlorotoluene	126	13.239	13.239	(0.942)	375485	10.0000	10.4412
108 tert-Butylbenzene	119	13.515	13.515	(0.962)	1147291	10.0000	10.2442
109 1,2,4-Trimethylbenzene	105	13.564	13.564	(0.966)	1238590	10.0000	10.0509
110 sec-Butylbenzene	134	13.761	13.761	(0.980)	366353	10.0000	10.6079
111 4-Isopropyltoluene	119	13.899	13.899	(0.989)	1462873	10.0000	10.2534
112 1,3-Dichlorobenzene	146	13.978	13.978	(0.995)	725490	10.0000	10.2877

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
114 1,4-dichlorobenzene	146	14.077	14.077	(1.002)	690418	10.0000	10.0140
116 n-Butylbenzene	91	14.402	14.402	(1.025)	1488943	10.0000	10.1041
117 1,2-Dichlorobenzene	146	14.560	14.560	(1.037)	560589	10.0000	10.3804
118 1,2-Dibromo-3-chloropropane	157	15.566	15.566	(1.108)	23822	10.0000	9.94077
120 1,2,4-Trichlorobenzene	180	16.789	16.789	(1.195)	398543	10.0000	10.2621
121 Hexachlorobutadiene	225	16.986	16.986	(1.209)	356665	10.0000	9.70383
122 Naphthalene	128	17.252	17.252	(1.228)	367658	10.0000	10.2691
123 1,2,3-Trichlorobenzene	180	17.657	17.657	(1.257)	298253	10.0000	10.2924

QC Flag Legend

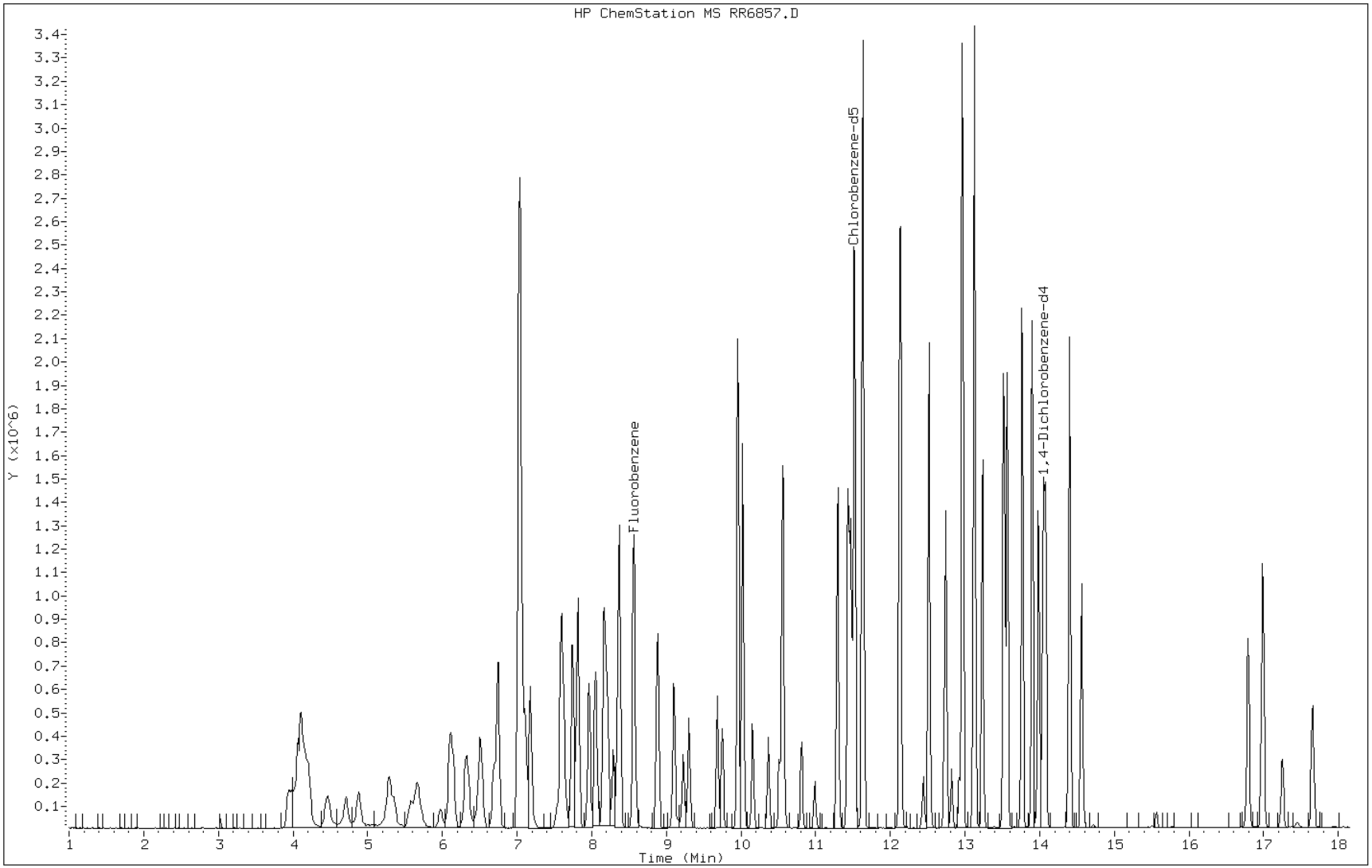
Q - Qualifier signal failed the ratio test.

Data File: RR6857.D

Date: 02-JUL-2012 06:43

Client ID: Instrument: R2.i

Sample Info: CCV,,M 5uL Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Lab Sample ID: CCV 280-126338/3 Calibration Date: 07/02/2012 07:27

Instrument ID: MSV_R2 Calib Start Date: 06/14/2012 07:32

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/14/2012 09:23

Lab File ID: RR6859.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.7189	0.6099		8.48	10.0	-15.2	50.0
Ethyl ether	Ave	0.1209	0.1094		9.05	10.0	-9.5	35.0
Isopropyl alcohol	Ave	0.0047	0.0044		186	200	-7.1	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.5501	0.4946		8.99	10.0	-10.1	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2920	0.2613		8.95	10.0	-10.5	50.0
Methyl acetate	Ave	0.0607	0.0644		53.0	50.0	6.0	50.0
Allyl chloride	Ave	0.4807	0.4320		8.99	10.0	-10.1	35.0
Carbon disulfide	Ave	1.356	1.198		8.83	10.0	-11.7	20.0
Methyl tert-butyl ether	Ave	0.3366	0.3046		9.05	10.0	-9.5	20.0
Hexane	Ave	2.336	2.351		10.1	10.0	0.6	20.0
Vinyl acetate	Ave	0.2479	0.1825		14.7	20.0	-26.4	50.0
Tert-butyl ethyl ether	Ave	0.5682	0.5038		44.3	50.0	-11.3	35.0
Ethyl acetate	Ave	0.0944	0.0816		17.3	20.0	-13.6	50.0
2-Butanol	Ave	0.0052	0.0049		278	300	-7.2	50.0
Tetrahydrofuran	Ave	0.0208	0.0181		17.4	20.0	-13.2	50.0
Cyclohexane	Ave	0.5574	0.5378		9.65	10.0	-3.5	35.0
Tert-amyl methyl ether	Ave	0.4054	0.3607		44.5	50.0	-11.0	35.0
2-Pentanone	Ave	0.0635	0.0543		34.2	40.0	-14.6	50.0
Methyl methacrylate	Ave	0.0214	0.0200		18.7	20.0	-6.5	35.0
Methylcyclohexane	Ave	0.4888	0.4609		9.43	10.0	-5.7	35.0
2-Chloroethyl vinyl ether	Ave	0.0583	0.0523		8.97	10.0	-10.3	50.0
2-Nitropropane	Ave	0.0220	0.0180		8.20	10.0	-18.0	50.0
Ethyl methacrylate	Ave	0.6161	0.5379		17.5	20.0	-12.7	35.0
cis-1,4-Dichloro-2-butene	Ave	0.1110	0.0543		4.89	10.0	-51.1*	50.0
trans-1,4-Dichloro-2-butene	Lin1	0.0907	0.0720		7.33	10.0	-26.7	50.0
Dibromofluoromethane (Surr)	Lin2	0.4864	0.3781		9.76	11.3	-13.3	20.0
1,2-Dichloroethane-d4 (Surr)	Lin	0.3193	0.2360		9.20	11.3	-18.2	20.0
Toluene-d8 (Surr)	Lin1	7.226	6.164		11.3	11.3	0.7	20.0
4-Bromofluorobenzene (Surr)	Lin2	1.493	1.201		10.3	11.3	-8.0	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6859.D
Lab Smp Id: CCV
Inj Date : 02-JUL-2012 07:27
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,S 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.566	8.566	(1.000)	1517888	12.5000	
* 88 Chlorobenzene-d5	119	11.435	11.435	(1.000)	302470	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.049	14.049	(1.000)	421263	12.5000	
$ 52 Dibromofluoromethane (Surr)	111	7.964	7.964	(0.930)	516571	10.0000	9.75892
$ 58 1,2-Dichloroethane-d4	65	8.290	8.290	(0.968)	322411	10.0000	9.20026
$ 76 Toluene-d8	98	9.956	9.956	(0.871)	1677853	10.0000	11.3238
$ 99 4-Bromofluorobenzene (Surr)	95	12.737	12.737	(0.907)	455214	10.0000	10.3480
11 Ethylene Oxide	43	5.203	5.203	(0.607)	518214	1250.00	871.842
14 Dichlorofluoromethane	67	5.538	5.538	(0.647)	740602	10.0000	8.48380
17 1,2-dichloro-1,1,2-trifluoroe	117	5.805	5.805	(0.678)	395746	10.0000	9.39260
21 Propylene Oxide	58	5.923	5.923	(0.691)	964089	500.000	439.277
19 Ethyl Ether	59	5.805	5.805	(0.678)	132796	10.0000	9.04568
20 2,2-dichloro-1,1,1-trifluoroe	83	5.844	5.844	(0.682)	600593	10.0000	8.99136
23 Trichlorotrifluoroethane	151	6.090	6.090	(0.711)	317278	10.0000	8.94860
18 2-propanol	45	5.805	5.805	(0.678)	107088	200.000	185.891
27 Methyl Acetate	43	6.347	6.347	(0.741)	390844	50.0000	53.0234
29 Allyl Chloride	41	6.406	6.406	(0.748)	524523	10.0000	8.98530
30 Carbon Disulfide	76	6.416	6.416	(0.749)	1454584	10.0000	8.83428
34 Methyl t-butyl ether	73	6.702	6.702	(0.782)	369865	10.0000	9.04824
36 Hexane	57	6.919	6.919	(0.605)	568892	10.0000	10.0642
37 Vinyl acetate	43	7.037	7.037	(0.822)	443142	20.0000	14.7229
41 ETBE	59	7.353	7.353	(0.858)	3058908	50.0000	44.3310

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
42 Ethyl Acetate	43	7.511	7.511	(0.877)	198180	20.0000	17.2850
44 2-Butanol	45	7.580	7.580	(0.885)	176840	300.000	278.438
51 Tetrahydrofuran	42	7.846	7.846	(0.916)	43858	20.0000	17.3540
55 Cyclohexane	56	8.122	8.122	(0.948)	653049	10.0000	9.64788
59 TAME	73	8.349	8.349	(0.975)	2190244	50.0000	44.4960
65 2-Pentanone	43	8.931	8.931	(1.043)	263518	40.0000	34.1714
67 Methyl Cyclohexane	55	9.088	9.088	(1.061)	559621	10.0000	9.42742
66 Methyl Methacrylate	100	9.029	9.029	(1.054)	48594	20.0000	18.6980
73 2-nitropropane	41	9.483	9.483	(1.107)	21872	10.0000	8.19798
72 2-Chloroethyl vinyl ether	63	9.463	9.463	(1.105)	63461	10.0000	8.96772
78 Ethyl methacrylate	69	10.124	10.124	(0.885)	260299	20.0000	17.4608
85 Tetrahydrothiophene	60	10.863	10.863	(0.950)	39762	10.0000	5.98270
97 cis-1,4-dichloro-2-butene	53	12.569	12.569	(0.895)	18293	10.0000	4.89220
101 t-1,4-Dichloro-2-butene	53	12.875	12.875	(0.916)	24270	10.0000	7.33455
115 1,2,3-Trimethylbenzene	105	14.078	14.078	(1.002)	885302	10.0000	8.42690
119 Tetralin	104	Compound Not Detected.					

Data File: RR6859.D

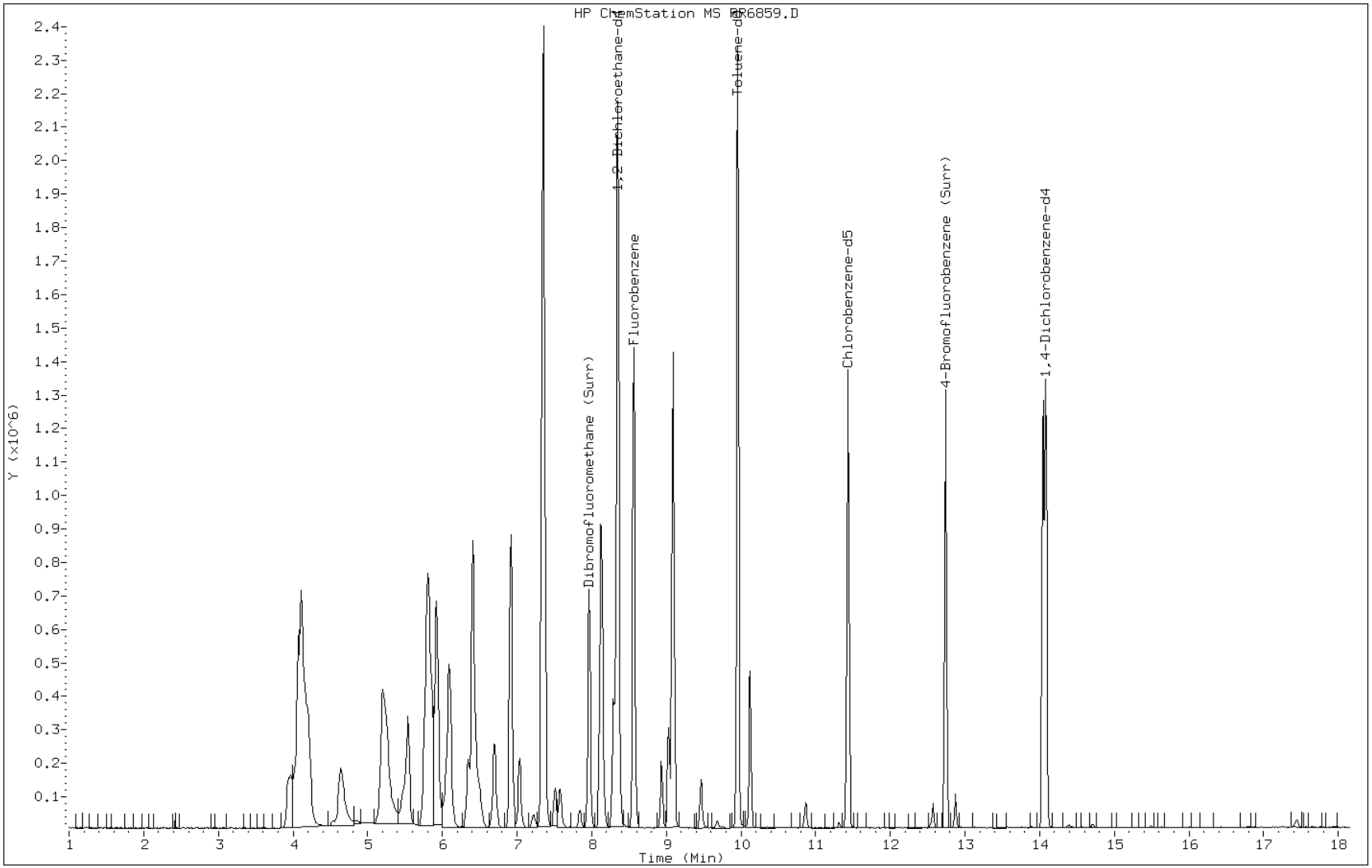
Date: 02-JUL-2012 07:27

Client ID:

Instrument: R2.i

Sample Info: CCV,,S 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Lab Sample ID: CCV 280-126338/4 Calibration Date: 07/02/2012 07:49

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6860.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chloromethane	Ave	0.2969	0.3009	0.1000	10.1	10.0	1.4	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6860.D
Lab Smp Id: CCV
Inj Date : 02-JUL-2012 07:49
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,G 5uL Q4 v11->v12
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-Chlorometh.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

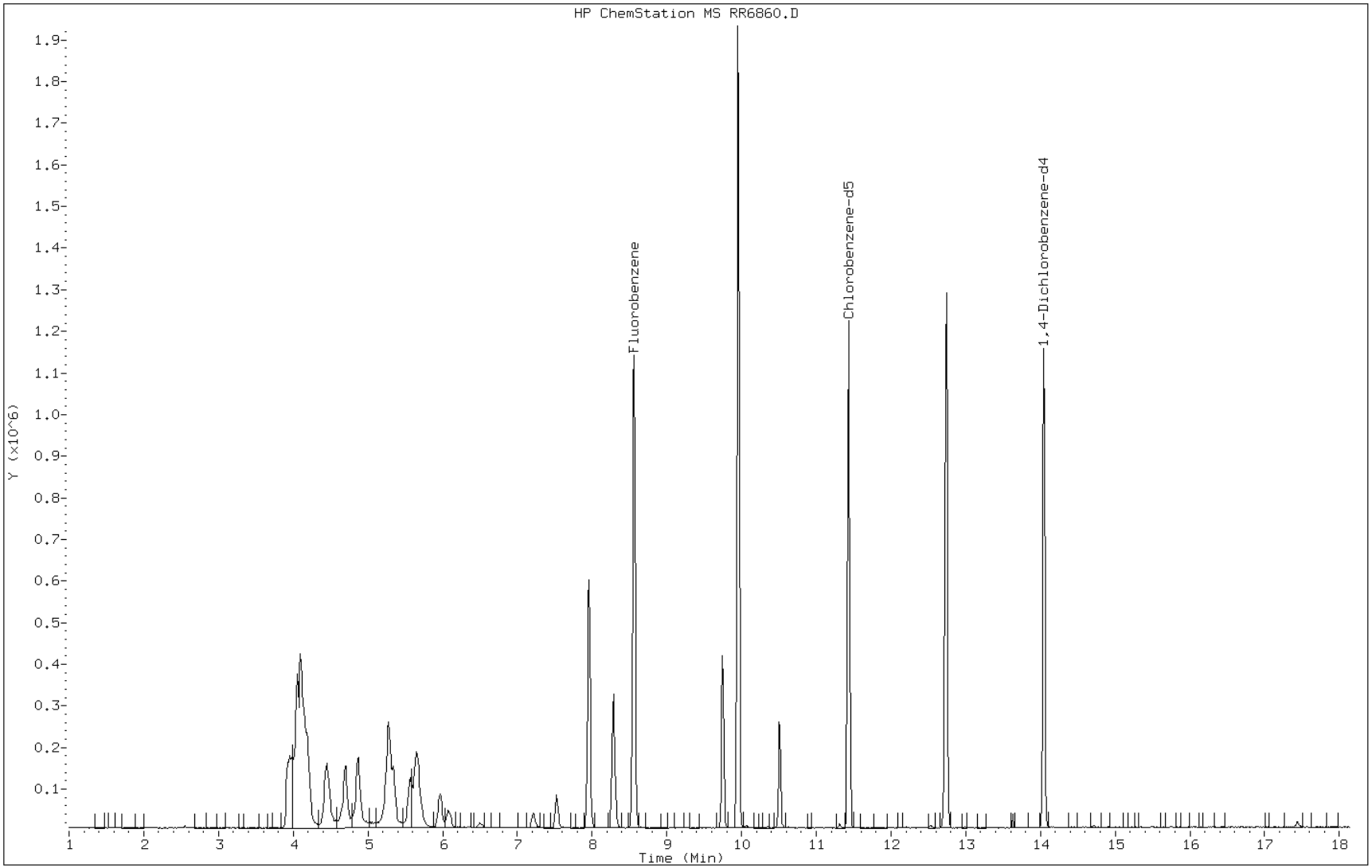
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.561	8.561	(1.000)	1306497	12.5000	
* 88 Chlorobenzene-d5	119	11.430	11.430	(1.000)	262206	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.044	14.044	(1.000)	368815	12.5000	
9 Chloromethane	50	4.705	4.705	(0.550)	314515	10.0000	10.1351

Data File: RR6860.D

Date: 02-JUL-2012 07:49

Client ID: Instrument: R2.i

Sample Info: CCV,,G 5uL Q4 v11->v12 Operator: DOBRANSKYM



TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6351.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 14-JUN-2012 06:38
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC088

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.692	5.620	(0.000)	95	15538			0.00- 100.00	100.00
5.692	5.620	(0.000)	50	2968			15.00- 40.00	19.10
5.692	5.620	(0.000)	75	7640			30.00- 60.00	49.17
5.692	5.620	(0.000)	96	1239			5.00- 9.00	7.97
5.692	5.620	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.692	5.620	(0.000)	174	15031			50.00- 0.00	96.74
5.692	5.620	(0.000)	175	1159			5.00- 9.00	7.71
5.692	5.620	(0.000)	176	14893			95.00- 101.00	99.08
5.692	5.620	(0.000)	177	1195			5.00- 9.00	8.02

Data File: RR6351.D

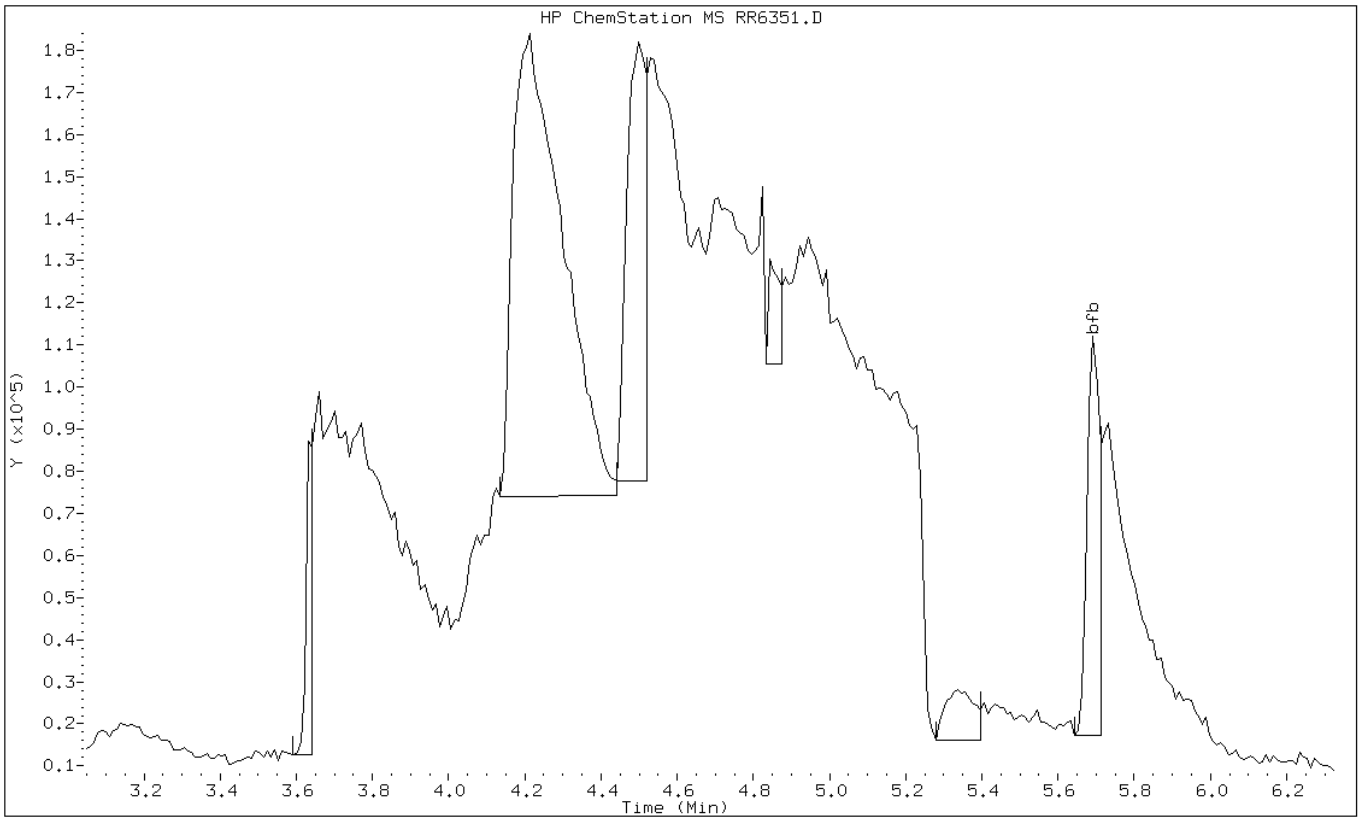
Date: 14-JUN-2012 06:38

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



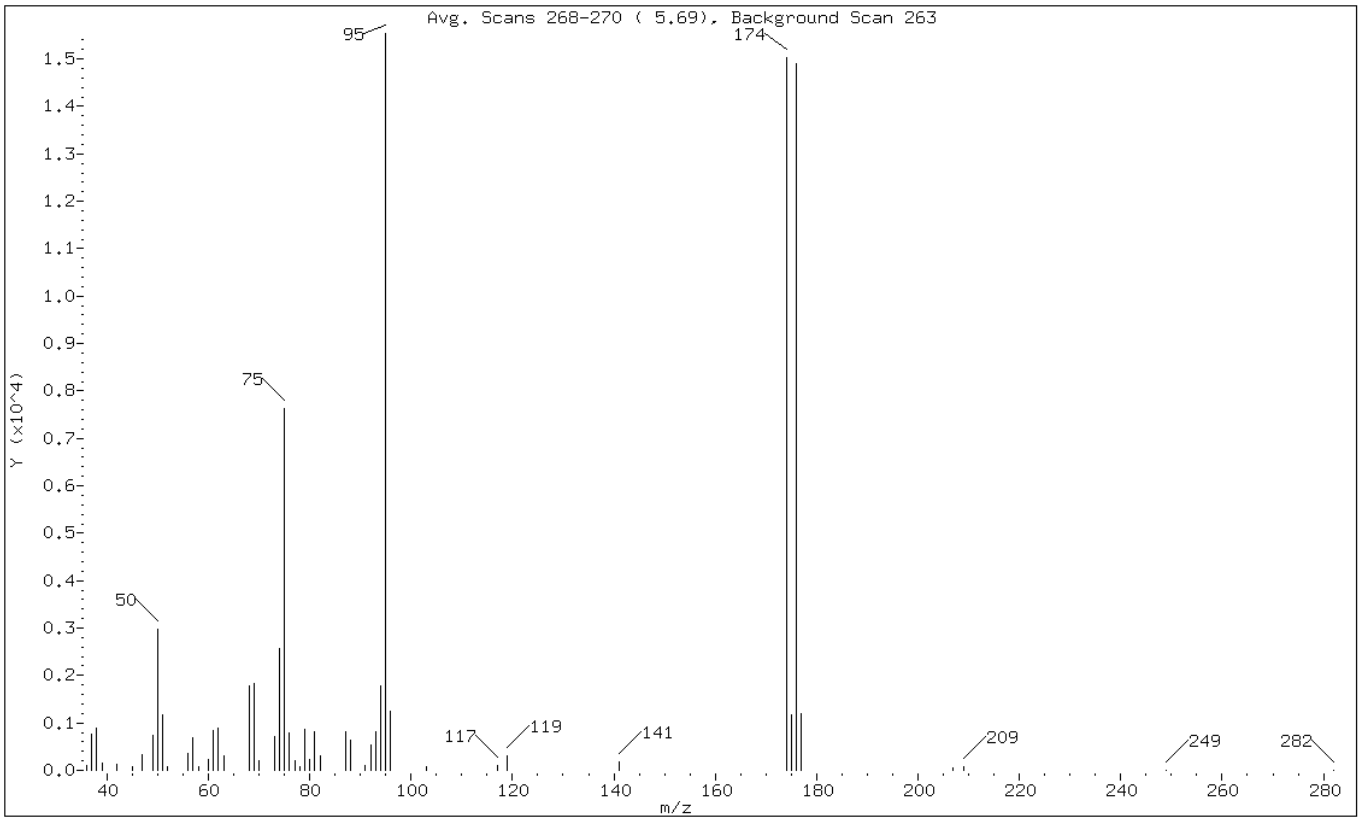
Data File: RR6351.D

Date: 14-JUN-2012 06:38

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.10
75	30.00 - 60.00% of mass 95	49.17
96	5.00 - 9.00% of mass 95	7.97
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	96.74
175	5.00 - 9.00% of mass 174	7.46 (7.71)
176	95.00 - 101.00% of mass 174	95.85 (99.08)
177	5.00 - 9.00% of mass 176	7.69 (8.02)

Data File: RR6351.D

Date: 14-JUN-2012 06:38

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6351.D
Spectrum: Avg. Scans 268-270 (5.69), Background Scan 263
Location of Maximum: 95.00
Number of points: 51

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	105	58.00	85	78.00	87	103.00	83
37.00	771	60.00	226	79.00	876	117.00	94
38.00	889	61.00	842	80.00	228	119.00	314
39.00	151	62.00	880	81.00	818	141.00	178
42.00	139	63.00	299	82.00	300	174.00	15031
45.00	68	68.00	1769	87.00	816	175.00	1159
47.00	319	69.00	1828	88.00	645	176.00	14893
49.00	730	70.00	194	91.00	99	177.00	1195
50.00	2968	73.00	713	92.00	526	207.00	40
51.00	1165	74.00	2581	93.00	808	209.00	83
52.00	88	75.00	7640	94.00	1788	249.00	10
56.00	368	76.00	787	95.00	15538	282.00	12
57.00	690	77.00	195	96.00	1239		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6385.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 15-JUN-2012 06:43
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC088

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.698	5.620	(0.000)	95	22528			0.00- 100.00	100.00
5.698	5.620	(0.000)	50	5019			15.00- 40.00	22.28
5.698	5.620	(0.000)	75	11183			30.00- 60.00	49.64
5.698	5.620	(0.000)	96	1389			5.00- 9.00	6.17
5.698	5.620	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.698	5.620	(0.000)	174	22520			50.00- 0.00	99.96
5.698	5.620	(0.000)	175	1669			5.00- 9.00	7.41
5.698	5.620	(0.000)	176	21400			95.00- 101.00	95.03
5.698	5.620	(0.000)	177	1640			5.00- 9.00	7.66

Data File: RR6385.D

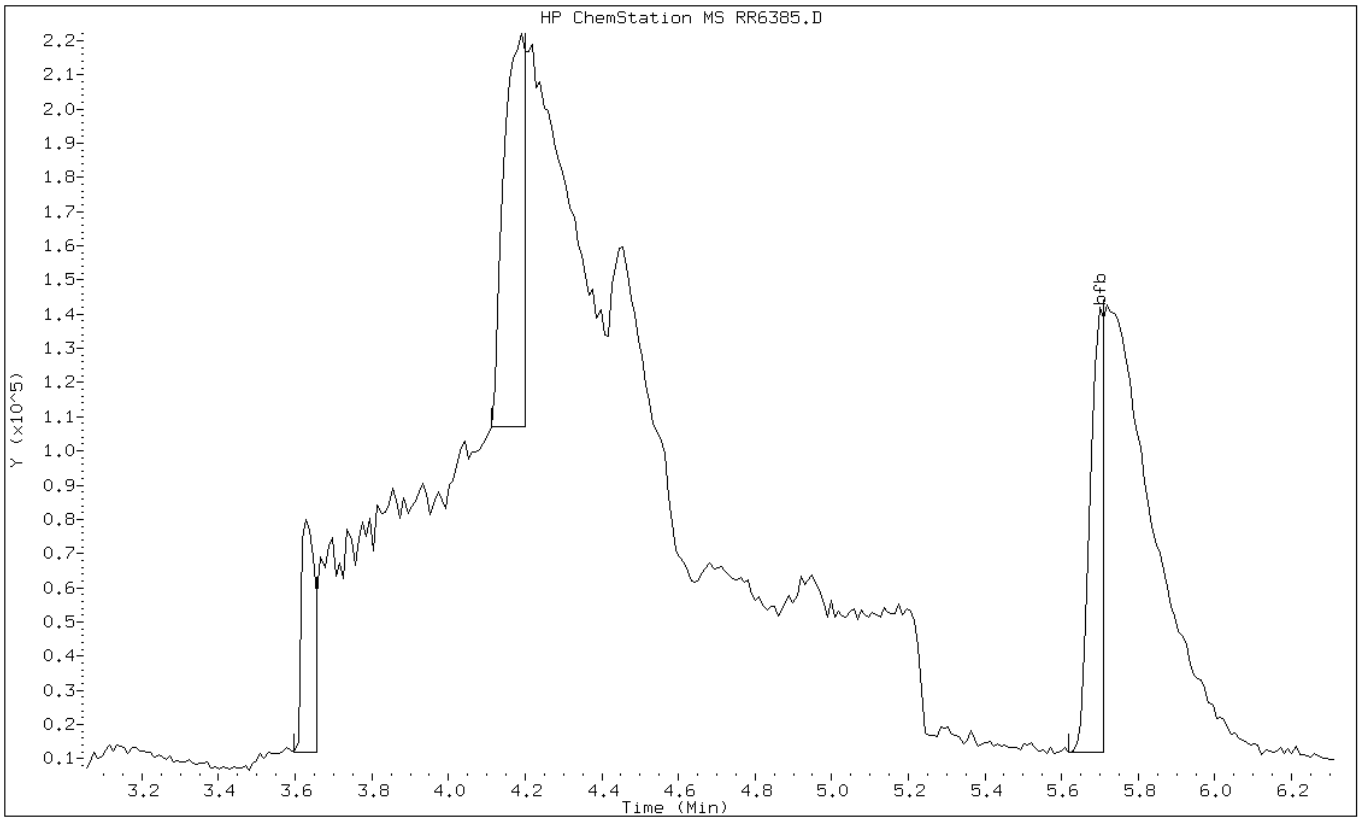
Date: 15-JUN-2012 06:43

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



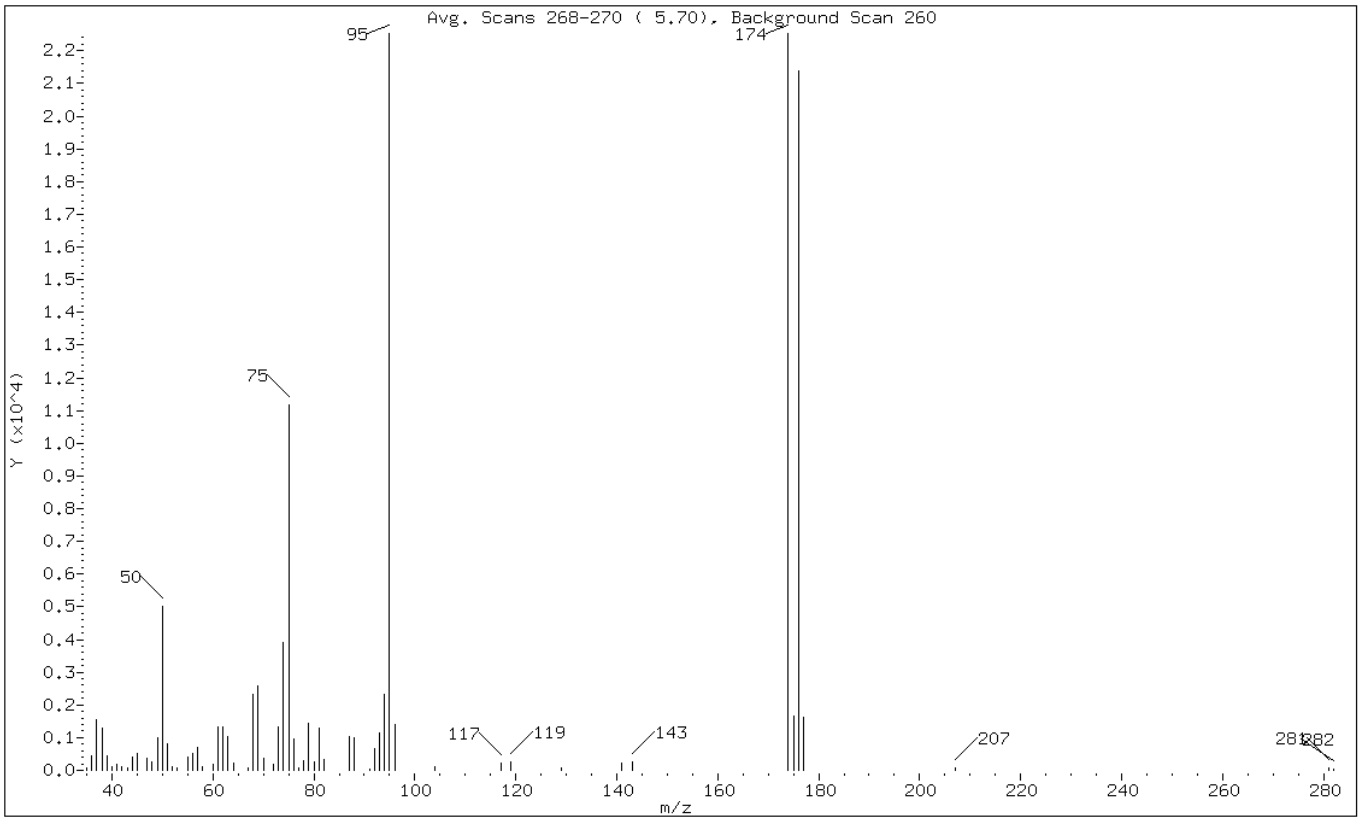
Data File: RR6385.D

Date: 15-JUN-2012 06:43

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.28
75	30.00 - 60.00% of mass 95	49.64
96	5.00 - 9.00% of mass 95	6.17
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	99.96
175	5.00 - 9.00% of mass 174	7.41 (7.41)
176	95.00 - 101.00% of mass 174	94.99 (95.03)
177	5.00 - 9.00% of mass 176	7.28 (7.66)

Data File: RR6385.D

Date: 15-JUN-2012 06:43

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6385.D
Spectrum: Avg. Scans 268-270 (5.70), Background Scan 260
Location of Maximum: 95.00
Number of points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	87	52.00	99	73.00	1326	95.00	22528
36.00	444	53.00	88	74.00	3896	96.00	1389
37.00	1535	55.00	407	75.00	11183	104.00	100
38.00	1302	56.00	504	76.00	942	117.00	204
39.00	449	57.00	699	77.00	75	119.00	243
40.00	107	58.00	93	78.00	299	129.00	86
41.00	194	60.00	196	79.00	1420	141.00	220
42.00	128	61.00	1314	80.00	276	143.00	254
43.00	86	62.00	1334	81.00	1294	174.00	22520
44.00	413	63.00	1028	82.00	338	175.00	1669
45.00	511	64.00	215	87.00	1028	176.00	21400
47.00	362	67.00	85	88.00	996	177.00	1640
48.00	268	68.00	2336	91.00	27	207.00	83
49.00	1008	69.00	2573	92.00	657	281.00	79
50.00	5019	70.00	379	93.00	1155	282.00	26
51.00	824	72.00	196	94.00	2327		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6855.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 02-JUL-2012 06:11
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC088

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.703	5.620	(0.000)	95	48656			0.00- 100.00	98.48
5.703	5.620	(0.000)	50	9757			15.00- 40.00	20.05
5.703	5.620	(0.000)	75	22456			30.00- 60.00	46.15
5.703	5.620	(0.000)	96	3535			5.00- 9.00	7.27
5.703	5.620	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.703	5.620	(0.000)	174	49408			50.00- 0.00	101.55
5.703	5.620	(0.000)	175	3624			5.00- 9.00	7.33
5.703	5.620	(0.000)	176	49368			95.00- 101.00	99.92
5.703	5.620	(0.000)	177	3287			5.00- 9.00	6.66

Data File: RR6855.D

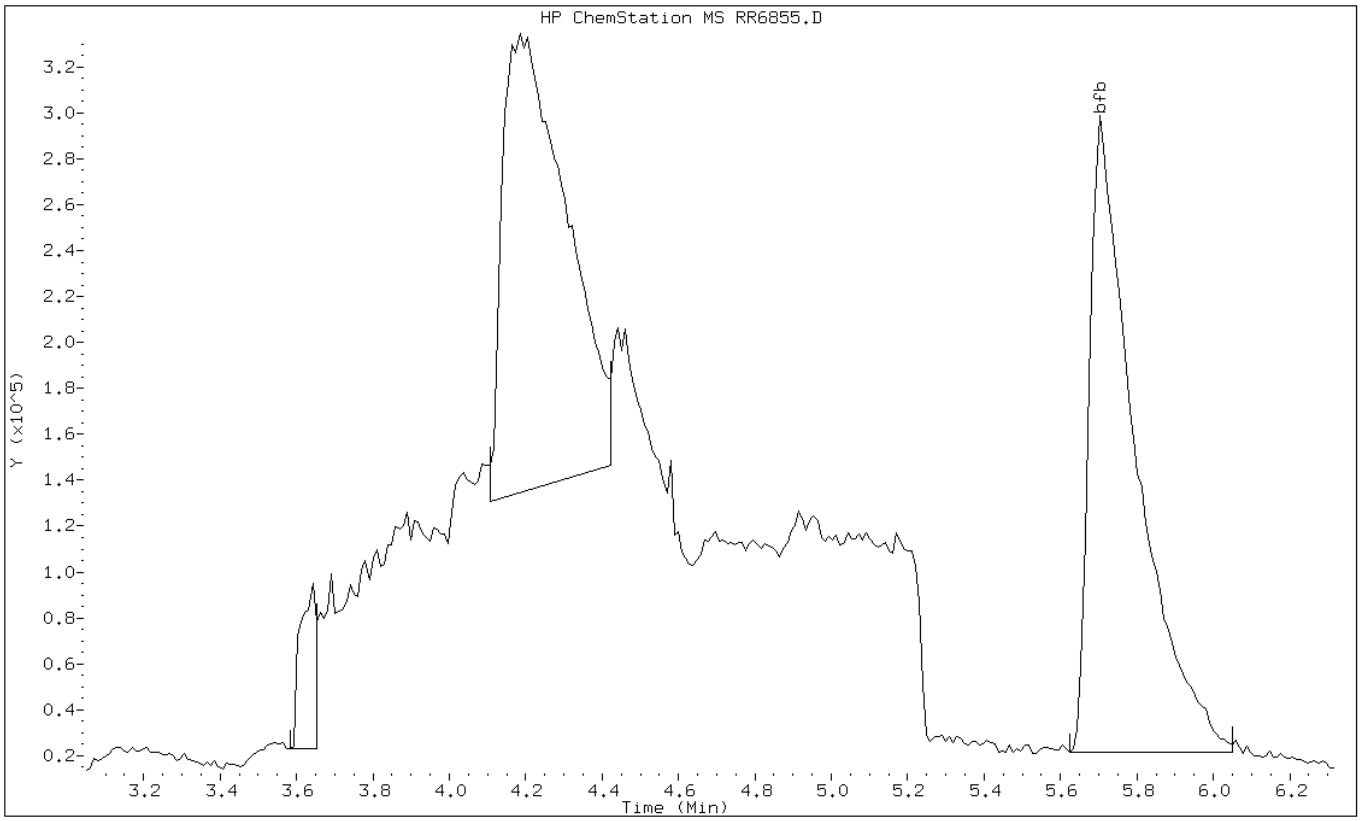
Date: 02-JUL-2012 06:11

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



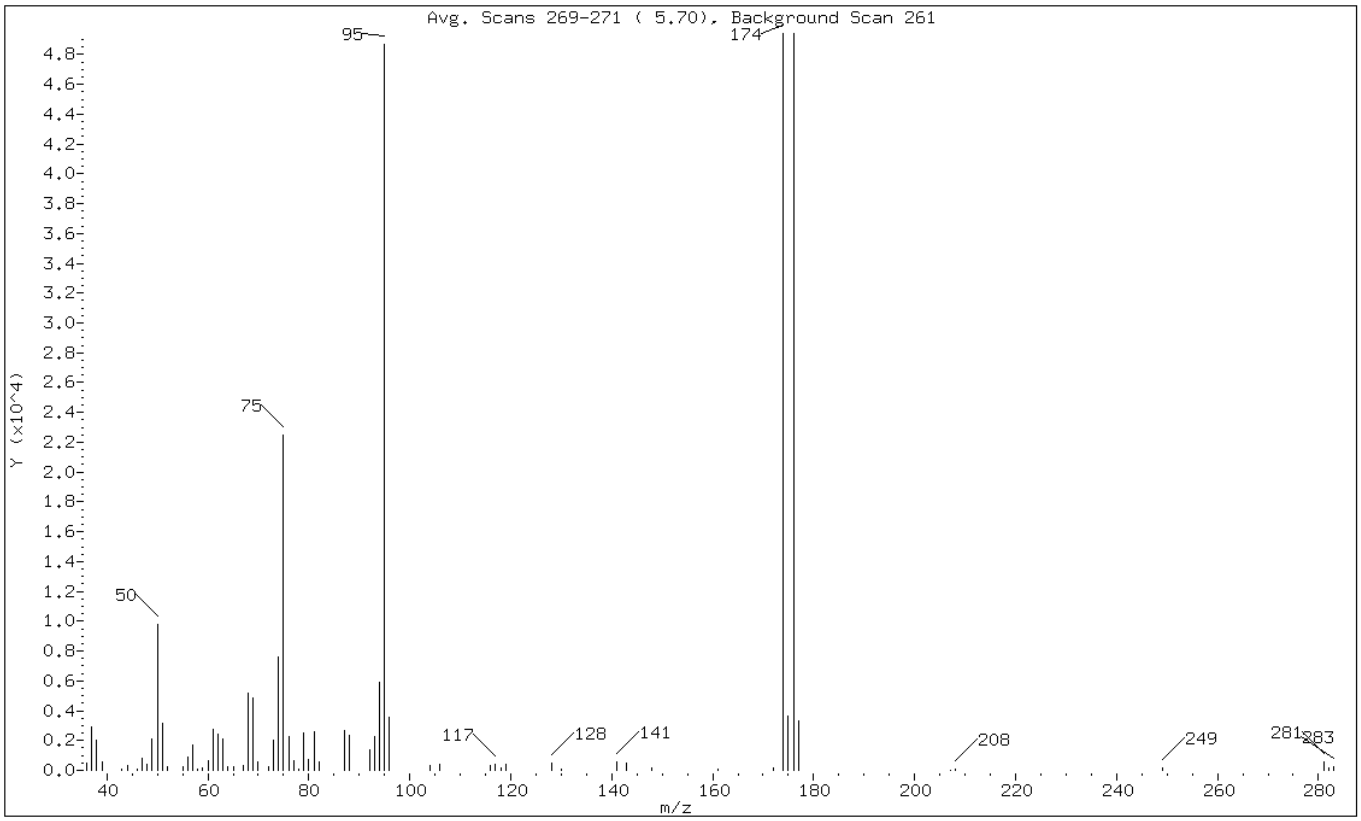
Data File: RR6855.D

Date: 02-JUL-2012 06:11

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.05
75	30.00 - 60.00% of mass 95	46.15
96	5.00 - 9.00% of mass 95	7.27
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	101.55
175	5.00 - 9.00% of mass 174	7.45 (7.33)
176	95.00 - 101.00% of mass 174	101.46 (99.92)
177	5.00 - 9.00% of mass 176	6.76 (6.66)

Data File: RR6855.D

Date: 02-JUL-2012 06:11

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6855.D
Spectrum: Avg. Scans 269-271 (5.70), Background Scan 261
Location of Maximum: 174.00
Number of points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	457	60.00	609	80.00	715	141.00	536
37.00	2933	61.00	2730	81.00	2555	143.00	503
38.00	2043	62.00	2411	82.00	589	148.00	171
39.00	555	63.00	2092	87.00	2647	161.00	85
43.00	112	64.00	278	88.00	2322	172.00	179
44.00	296	65.00	261	92.00	1404	174.00	49408
46.00	100	67.00	300	93.00	2242	175.00	3624
47.00	784	68.00	5144	94.00	5930	176.00	49368
48.00	410	69.00	4836	95.00	48656	177.00	3287
49.00	2139	70.00	580	96.00	3535	207.00	25
50.00	9757	72.00	270	104.00	336	208.00	44
51.00	3133	73.00	2029	106.00	382	249.00	198
52.00	283	74.00	7625	116.00	302	281.00	532
55.00	271	75.00	22456	117.00	435	282.00	163
56.00	862	76.00	2225	118.00	185	283.00	213
57.00	1689	77.00	665	119.00	373		
58.00	99	78.00	116	128.00	452		
59.00	178	79.00	2502	130.00	90		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30334-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-126338/7

Matrix: Water | Lab File ID: RR6863.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 08:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30334-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-126338/7

Matrix: Water | Lab File ID: RR6863.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 08:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-126338/7

Matrix: Water Lab File ID: RR6863.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 08:56

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	106		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		70-120
460-00-4	4-Bromofluorobenzene (Surr)	98		75-120
1868-53-7	Dibromofluoromethane (Surr)	91		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6863.D
Lab Smp Id: MB
Inj Date : 02-JUL-2012 08:56
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : MB,,AF
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 08:27 dobranskym Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.571	8.564	(1.000)	1175315	12.5000	
* 88	Chlorobenzene-d5	119	11.440	11.434	(1.000)	235446	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.044	14.047	(1.000)	322611	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.969	7.964	(0.930)	416125	10.2285	10.2285
$ 58	1,2-Dichloroethane-d4	65	8.295	8.290	(0.968)	261895	9.72005	9.72005
$ 76	Toluene-d8	98	9.961	9.956	(0.871)	1357624	11.8691	11.8690
$ 99	4-Bromofluorobenzene (Surr)	95	12.742	12.737	(0.907)	367766	11.0369	11.0369
M 2	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 3	Xylene (total)	106	Compound Not Detected.					
7	dichlorodifluoromethane	85	Compound Not Detected.					
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
17	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
19	Ethyl Ether	59	Compound Not Detected.					
20	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR6863.D

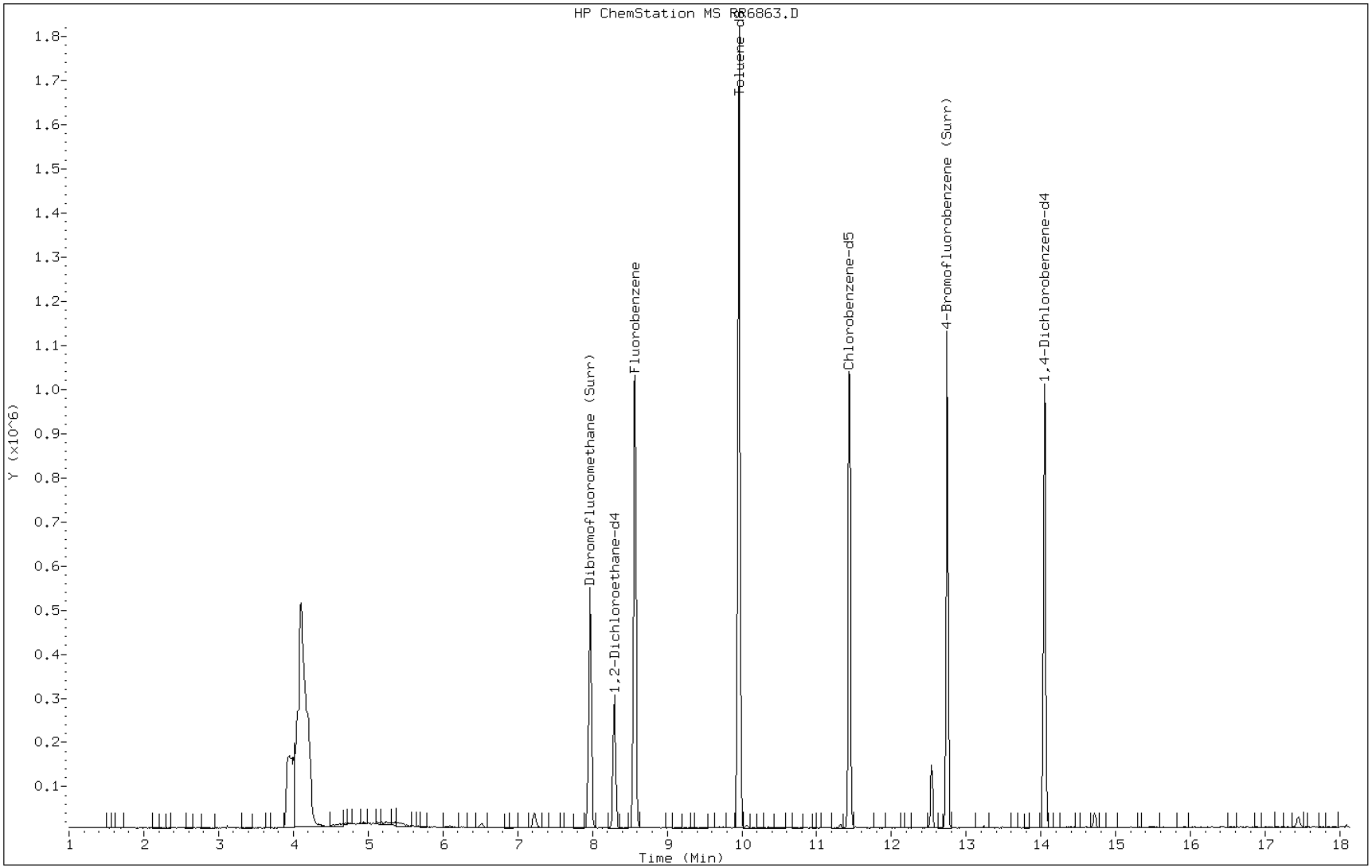
Date: 02-JUL-2012 08:56

Client ID:

Instrument: R2.i

Sample Info: MB,,AF

Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30334-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-126338/6

Matrix: Water | Lab File ID: RR6862.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 08:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	4.44		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	4.14		1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	4.69		3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	4.45		1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	4.55		1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	4.42		1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	4.42	J	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	4.53		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	4.74		1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	4.67		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	4.55		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	4.42		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	4.59		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	4.76		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.60		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	4.55		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	4.51		1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	28.0		6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	4.58		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	4.61		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	4.36		1.0	0.40	0.20
591-78-6	2-Hexanone	22.4		5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	22.0		5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	4.53		1.0	0.40	0.17
71-43-2	Benzene	4.47		1.0	0.20	0.16
67-64-1	Acetone	23.2		10	6.4	1.9
108-86-1	Bromobenzene	4.60		1.0	0.20	0.17
75-25-2	Bromoform	4.55		1.0	0.40	0.19
74-83-9	Bromomethane	4.95		2.0	0.40	0.21
56-23-5	Carbon tetrachloride	4.29		2.0	0.40	0.19
75-15-0	Carbon disulfide	4.43		2.0	0.80	0.45
95-49-8	2-Chlorotoluene	4.70		1.0	0.40	0.17
106-43-4	4-Chlorotoluene	4.80		1.0	0.40	0.17
108-90-7	Chlorobenzene	4.48		1.0	0.20	0.17
74-97-5	Chlorobromomethane	4.47		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.49		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30334-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-126338/6

Matrix: Water | Lab File ID: RR6862.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 08:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	4.23		1.0	0.20	0.16
75-00-3	Chloroethane	4.41		2.0	1.6	0.41
74-87-3	Chloromethane	4.55		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	4.52		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	4.38		1.0	0.20	0.16
74-95-3	Dibromomethane	4.48		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	4.31		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	4.47		2.0	0.80	0.31
100-41-4	Ethylbenzene	4.75		1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	4.29		1.0	0.40	0.36
98-82-8	Isopropylbenzene	4.60		1.0	0.40	0.19
106-93-4	Ethylene Dibromide	4.55		1.0	0.20	0.18
75-09-2	Methylene Chloride	4.55	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	4.29	J	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	9.26		2.0	0.80	0.34
91-20-3	Naphthalene	4.29		1.0	0.80	0.22
104-51-8	n-Butylbenzene	4.65		1.0	0.40	0.32
103-65-1	N-Propylbenzene	4.70		1.0	0.20	0.16
95-47-6	o-Xylene	4.67		1.0	0.40	0.19
100-42-5	Styrene	4.39		1.0	0.40	0.17
135-98-8	sec-Butylbenzene	4.69		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.55		1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	4.54		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	4.45		1.0	0.40	0.19
127-18-4	Tetrachloroethene	4.59		1.0	0.40	0.20
108-88-3	Toluene	4.55		1.0	0.40	0.17
79-01-6	Trichloroethene	4.59		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	4.81		2.0	0.80	0.29
75-01-4	Vinyl chloride	4.60		1.5	0.80	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-126338/6

Matrix: Water Lab File ID: RR6862.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 08:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		70-120
460-00-4	4-Bromofluorobenzene (Surr)	89		75-120
1868-53-7	Dibromofluoromethane (Surr)	90		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6862.D
Lab Smp Id: LCS
Inj Date : 02-JUL-2012 08:34
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : LCS,,2.5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 08:27 dobranskym Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: lcs-DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
*	62 Fluorobenzene	96	8.563	8.564	(1.000)	1213193	12.5000	
*	88 Chlorobenzene-d5	119	11.432	11.434	(1.000)	248180	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.046	14.047	(1.000)	378219	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.961	7.964	(0.930)	426169	10.1336	10.1336
$	58 1,2-Dichloroethane-d4	65	8.297	8.290	(0.969)	260196	9.30322	9.30322
$	76 Toluene-d8	98	9.953	9.956	(0.871)	1374750	11.3043	11.3043
$	99 4-Bromofluorobenzene (Surr)	95	12.744	12.737	(0.907)	395979	9.95772	9.95772
M	2 1,2-Dichloroethene (total)	96				305065	9.05513	9.05513
M	3 Xylene (total)	106				652711	13.9259	13.9259
	7 dichlorodifluoromethane	85	4.461	4.447	(0.521)	149583	4.46935	4.46935
	9 Chloromethane	50	4.717	4.705	(0.551)	131160	4.55165	4.55165
	10 Vinyl Chloride	62	4.875	4.871	(0.569)	142532	4.60129	4.60129
	12 Bromomethane	94	5.289	5.285	(0.618)	143317	4.94511	4.94511
	13 Chloroethane	64	5.348	5.354	(0.625)	88379	4.41409	4.41409
	15 Trichlorofluoromethane	101	5.674	5.660	(0.663)	251920	4.80809	4.80809
	24 Acetone	43	6.098	6.089	(0.712)	61770	23.2109	23.2109
	25 1,1-Dichloroethene	96	6.127	6.109	(0.716)	154298	4.74059	4.74059
	30 Carbon Disulfide	76	6.423	6.416	(0.750)	582924	4.42950	4.42950
	32 Methylene Chloride	84	6.522	6.513	(0.762)	131563	4.55235	4.55235
	34 Methyl t-butyl ether	73	6.699	6.702	(0.782)	140140	4.28936	4.28936(a)
	35 trans-1,2-Dichloroethene	96	6.758	6.750	(0.789)	159330	4.53941	4.53941
	37 Vinyl acetate	43	7.044	7.037	(0.823)	110734	4.60301	4.60301

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
39	1,1-Dichloroethane	63	7.113	7.105	(0.831)	264244	4.54689	4.54689
43	2-Butanone	43	7.537	7.529	(0.880)	95063	27.9974	27.9974
44	2-Butanol	45	7.577	7.580	(0.885)	76906	151.502	151.502
45	cis-1,2-Dichloroethene	96	7.596	7.588	(0.887)	145735	4.51573	4.51572
47	2,2-Dichloropropane	77	7.626	7.618	(0.891)	204090	4.36353	4.36352(a)
49	Bromochloromethane	128	7.813	7.815	(0.912)	54432	4.46621	4.46621
50	Chloroform	83	7.823	7.815	(0.914)	243707	4.23046	4.23046
54	1,1,1-Trichloroethane	97	8.060	8.052	(0.941)	219462	4.13922	4.13922
56	1,1-Dichloropropene	75	8.168	8.160	(0.954)	217043	4.53149	4.53149
57	Carbon Tetrachloride	117	8.208	8.209	(0.959)	214064	4.28541	4.28541
60	1,2-Dichloroethane	62	8.356	8.357	(0.976)	112066	4.76303	4.76303
61	Benzene	78	8.375	8.367	(0.978)	504291	4.46771	4.46771
64	Trichloroethene	95	8.888	8.880	(1.038)	156383	4.58944	4.58944
65	2-Pentanone	43	8.938	8.931	(1.044)	53454	8.67247	8.67247
68	1,2-Dichloropropane	63	9.105	9.097	(1.063)	111652	4.60580	4.60580
70	Dibromomethane	93	9.224	9.225	(1.077)	51736	4.48161	4.48161
71	Bromodichloromethane	83	9.302	9.304	(1.086)	139008	4.31430	4.31430
74	cis-1,3-Dichloropropene	75	9.687	9.679	(1.131)	142060	4.37841	4.37841
75	4-Methyl-2-pentanone	43	9.746	9.748	(1.138)	165864	22.0189	22.0189
77	Toluene	91	10.022	10.024	(1.170)	512899	4.55298	4.55298
79	trans-1,3-Dichloropropene	75	10.160	10.152	(1.187)	102803	4.45395	4.45395
80	1,1,2-Trichloroethane	97	10.367	10.369	(1.211)	55417	4.67401	4.67401
81	2-Hexanone	43	10.506	10.507	(0.919)	111487	22.4217	22.4217
82	1,3-Dichloropropane	76	10.545	10.547	(0.922)	96866	4.55009	4.55009
83	Tetrachloroethene	164	10.565	10.566	(0.924)	140799	4.59040	4.59040
84	Dibromochloromethane	129	10.811	10.813	(0.946)	84847	4.49499	4.49499
86	1,2-Dibromoethane	107	10.989	10.990	(0.961)	57453	4.54880	4.54880
89	Chlorobenzene	112	11.472	11.474	(1.003)	322312	4.48401	4.48401
90	1,1,1,2-Tetrachloroethane	131	11.521	11.523	(1.008)	106850	4.43689	4.43689
91	Ethylbenzene	106	11.521	11.513	(1.008)	187567	4.74698	4.74698
92	m and p-Xylene	106	11.630	11.631	(1.017)	448704	9.25949	9.25948
93	o-Xylene	106	12.133	12.124	(1.061)	204007	4.66646	4.66646
94	Styrene	104	12.133	12.134	(1.061)	279914	4.39152	4.39152
95	Bromoform	173	12.438	12.440	(1.088)	48103	4.54874	4.54874
96	isopropyl benzene	105	12.517	12.519	(0.891)	583986	4.59808	4.59808
100	1,1,2,2-Tetrachloroethane	83	12.823	12.825	(0.913)	57013	4.54625	4.54625
102	1,2,3-Trichloropropane	110	12.922	12.923	(0.920)	13794	4.68656	4.68656(Q)
103	Bromobenzene	156	12.971	12.963	(0.923)	134295	4.59516	4.59516
104	n-Propylbenzene	120	12.971	12.963	(0.923)	163153	4.70005	4.70005
106	2-Chlorotoluene	126	13.129	13.130	(0.935)	142243	4.69715	4.69715
105	1,3,5-Trimethylbenzene	105	13.119	13.120	(0.934)	456301	4.51118	4.51118
107	4-Chlorotoluene	126	13.237	13.239	(0.942)	138264	4.80072	4.80072
108	tert-Butylbenzene	119	13.523	13.515	(0.963)	407833	4.54701	4.54701
109	1,2,4-Trimethylbenzene	105	13.563	13.564	(0.966)	436082	4.41859	4.41859
110	sec-Butylbenzene	134	13.770	13.761	(0.980)	129826	4.69386	4.69386
111	4-Isopropyltoluene	119	13.898	13.899	(0.989)	517906	4.53264	4.53264
112	1,3-Dichlorobenzene	146	13.987	13.978	(0.996)	259683	4.59800	4.59800
114	1,4-dichlorobenzene	146	14.075	14.077	(1.002)	252763	4.57771	4.57771
116	n-Butylbenzene	91	14.401	14.402	(1.025)	548386	4.64670	4.64670
117	1,2-Dichlorobenzene	146	14.559	14.560	(1.037)	198653	4.59307	4.59307
118	1,2-Dibromo-3-chloropropane	157	15.564	15.566	(1.108)	8481	4.41904	4.41904
120	1,2,4-Trichlorobenzene	180	16.787	16.789	(1.195)	137580	4.42339	4.42339
121	Hexachlorobutadiene	225	16.984	16.986	(1.209)	126302	4.29073	4.29073
122	Naphthalene	128	17.251	17.252	(1.228)	122884	4.28570	4.28570

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
123 1,2,3-Trichlorobenzene	180	17.655	17.657	(1.257)	103194	4.44656	4.44656

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6862.D

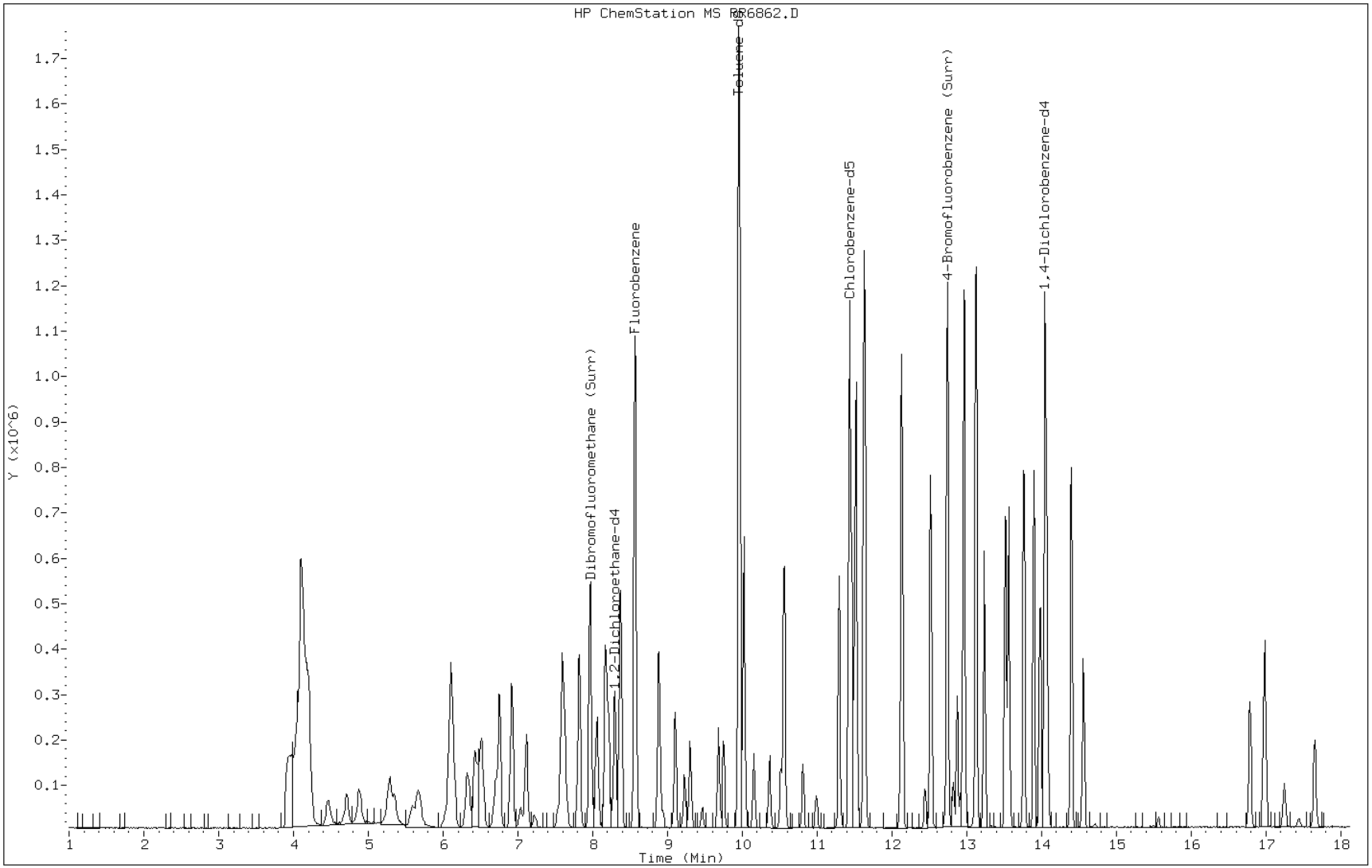
Date: 02-JUL-2012 08:34

Client ID:

Instrument: R2.i

Sample Info: LCS,,2.5uL

Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30334-1

SDG No.:

Client Sample ID: LF6SW0101QA MS | Lab Sample ID: 280-30334-1 MS

Matrix: Water | Lab File ID: RR6869.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 12:10

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 11:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	4.53		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	4.18		1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	5.19		3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	4.61		1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	4.69		1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	4.47		1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	4.97	J	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	4.44		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	4.79		1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	4.93		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	4.93		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	4.74		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	4.88		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	4.66		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.85		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	4.86		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	4.64		1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	28.2		6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	4.92		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	4.74		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	4.36		1.0	0.40	0.20
591-78-6	2-Hexanone	21.1		5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	22.1		5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	4.67		1.0	0.40	0.17
71-43-2	Benzene	4.69		1.0	0.20	0.16
67-64-1	Acetone	20.3		10	6.4	1.9
108-86-1	Bromobenzene	4.80		1.0	0.20	0.17
75-25-2	Bromoform	4.65		1.0	0.40	0.19
74-83-9	Bromomethane	4.93		2.0	0.40	0.21
56-23-5	Carbon tetrachloride	4.21		2.0	0.40	0.19
75-15-0	Carbon disulfide	4.54		2.0	0.80	0.45
95-49-8	2-Chlorotoluene	4.92		1.0	0.40	0.17
106-43-4	4-Chlorotoluene	5.03		1.0	0.40	0.17
108-90-7	Chlorobenzene	4.70		1.0	0.20	0.17
74-97-5	Chlorobromomethane	4.73		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.60		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30334-1

SDG No.:

Client Sample ID: LF6SW0101QA MS | Lab Sample ID: 280-30334-1 MS

Matrix: Water | Lab File ID: RR6869.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 12:10

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 11:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	4.43		1.0	0.20	0.16
75-00-3	Chloroethane	4.46		2.0	1.6	0.41
74-87-3	Chloromethane	4.40		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	4.75		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	4.42		1.0	0.20	0.16
74-95-3	Dibromomethane	4.75		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	4.38		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	4.47		2.0	0.80	0.31
100-41-4	Ethylbenzene	4.90		1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	4.17		1.0	0.40	0.36
98-82-8	Isopropylbenzene	4.72		1.0	0.40	0.19
106-93-4	Ethylene Dibromide	4.76		1.0	0.20	0.18
75-09-2	Methylene Chloride	5.04		5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	4.36	J	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	9.55		2.0	0.80	0.34
91-20-3	Naphthalene	4.41		1.0	0.80	0.22
104-51-8	n-Butylbenzene	4.87		1.0	0.40	0.32
103-65-1	N-Propylbenzene	4.87		1.0	0.20	0.16
95-47-6	o-Xylene	4.78		1.0	0.40	0.19
100-42-5	Styrene	4.62		1.0	0.40	0.17
135-98-8	sec-Butylbenzene	4.62		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.66		1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	4.57		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	4.50		1.0	0.40	0.19
127-18-4	Tetrachloroethene	4.67		1.0	0.40	0.20
108-88-3	Toluene	4.71		1.0	0.40	0.17
79-01-6	Trichloroethene	4.14		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	4.84		2.0	0.80	0.29
75-01-4	Vinyl chloride	4.44		1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.85		3.0	3.0	0.79
544-10-5	1-Chlorohexane	4.63		1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Client Sample ID: LF6SW0101QA MS Lab Sample ID: 280-30334-1 MS

Matrix: Water Lab File ID: RR6869.D

Analysis Method: 8260B/DoD Date Collected: 06/21/2012 12:10

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 11:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	108		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		70-120
460-00-4	4-Bromofluorobenzene (Surr)	94		75-120
1868-53-7	Dibromofluoromethane (Surr)	94		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6869.D
Lab Smp Id: 280-30334-g-1 MS
Inj Date : 02-JUL-2012 11:12
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30334-g-1 MS,,PH<2
Misc Info : RR6866.D
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC088

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.566	8.566	(1.000)	1081403	12.5000	
* 88	Chlorobenzene-d5	119	11.435	11.435	(1.000)	215853	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.048	14.049	(1.000)	327163	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.964	7.964	(0.930)	392366	10.5286	10.5286
$ 58	1,2-Dichloroethane-d4	65	8.289	8.290	(0.968)	237966	9.58157	9.58157
$ 76	Toluene-d8	98	9.956	9.956	(0.871)	1266535	12.1215	12.1215
$ 99	4-Bromofluorobenzene (Surr)	95	12.747	12.737	(0.907)	358961	10.5406	10.5406
M 2	1,2-Dichloroethene (total)	96				279772	9.32483	9.32483
M 3	Xylene (total)	106				584353	14.3328	14.3328
7	dichlorodifluoromethane	85	4.453	4.462	(0.520)	133429	4.47254	4.47254
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	4.720	4.705	(0.551)	113058	4.40160	4.40160
10	Vinyl Chloride	62	4.877	4.876	(0.569)	122567	4.43898	4.43898
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	5.292	5.291	(0.618)	127306	4.92799	4.92799
13	Chloroethane	64	5.341	5.350	(0.624)	79561	4.45795	4.45795
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	5.676	5.665	(0.663)	226222	4.84381	4.84381
16	Ethanol	45	Compound Not Detected.					
17	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
19	Ethyl Ether	59	Compound Not Detected.					
20	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	6.090	6.089	(0.711)	49784	20.3078	20.3078
23 Trichlorotrifluoroethane	151	6.090	6.090	(0.711)	122606	4.85377	4.85377
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	6.140	6.109	(0.717)	139053	4.79286	4.79286
26 Iodomethane	142	6.327	6.316	(0.739)	249453	4.20180	4.20180
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	6.416	6.416	(0.749)	532385	4.53848	4.53848
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	6.465	6.474	(0.755)	51798	99.1649	99.1649
32 Methylene Chloride	84	6.505	6.513	(0.759)	127995	5.04368	5.04368
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	6.692	6.702	(0.781)	127107	4.36458	4.36458(a)
35 trans-1,2-Dichloroethene	96	6.741	6.750	(0.787)	143116	4.57438	4.57438
36 Hexane	57	6.909	6.919	(0.604)	195846	4.85498	4.85498
37 Vinyl acetate	43	7.037	7.037	(0.822)	93050	4.33930	4.33930
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	7.106	7.105	(0.830)	243069	4.69225	4.69225
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	7.530	7.529	(0.879)	85346	28.1989	28.1989
44 2-Butanol	45	7.579	7.580	(0.885)	67412	148.983	148.983
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	7.589	7.588	(0.886)	136656	4.75045	4.75045
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	7.619	7.618	(0.889)	181894	4.36291	4.36291(a)
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	7.806	7.815	(0.911)	51336	4.72551	4.72551
50 Chloroform	83	7.816	7.815	(0.913)	227396	4.42838	4.42838
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	8.053	8.052	(0.940)	197654	4.18222	4.18222
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	8.161	8.160	(0.953)	189487	4.43830	4.43830
57 Carbon Tetrachloride	117	8.201	8.209	(0.957)	187451	4.20997	4.20996
60 1,2-Dichloroethane	62	8.359	8.357	(0.976)	97640	4.65564	4.65564
61 Benzene	78	8.368	8.367	(0.977)	471943	4.69068	4.69068
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	8.881	8.880	(1.037)	125805	4.14200	4.14200
65 2-Pentanone	43	8.940	8.931	(1.044)	48206	8.77417	8.77417
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	9.098	9.097	(1.062)	102530	4.74495	4.74495
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	9.226	9.225	(1.077)	48928	4.75490	4.75490
71 Bromodichloromethane	83	9.305	9.304	(1.086)	125841	4.38162	4.38162
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	9.680	9.679	(1.130)	127745	4.41703	4.41703
75 4-Methyl-2-pentanone	43	9.749	9.748	(1.138)	148340	22.0925	22.0925
77 Toluene	91	10.025	10.024	(1.170)	472922	4.70972	4.70972
79 trans-1,3-Dichloropropene	75	10.153	10.152	(1.185)	92614	4.50151	4.50151
78 Ethyl methacrylate	69	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
80	1,1,2-Trichloroethane	97	10.370	10.369	(1.211)	52054	4.92541	4.92541
81	2-Hexanone	43	10.508	10.507	(0.919)	91066	21.0577	21.0577
82	1,3-Dichloropropane	76	10.548	10.547	(0.922)	89923	4.85655	4.85655
83	Tetrachloroethene	164	10.567	10.566	(0.924)	124544	4.66855	4.66855
84	Dibromochloromethane	129	10.814	10.813	(0.946)	75446	4.59555	4.59555
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	10.991	10.990	(0.961)	52270	4.75823	4.75823
87	1-Chlorohexane	91	11.297	11.296	(0.988)	179269	4.62890	4.62890
89	Chlorobenzene	112	11.475	11.474	(1.003)	293542	4.69536	4.69536
90	1,1,1,2-Tetrachloroethane	131	11.524	11.523	(1.008)	94940	4.53276	4.53276
91	Ethylbenzene	106	11.524	11.513	(1.008)	168385	4.89974	4.89974
92	m and p-Xylene	106	11.632	11.631	(1.017)	402455	9.54889	9.54889
93	o-Xylene	106	12.135	12.124	(1.061)	181898	4.78387	4.78387
94	Styrene	104	12.135	12.134	(1.061)	255953	4.61699	4.61699
95	Bromoform	173	12.441	12.440	(1.088)	42785	4.65178	4.65178
96	isopropyl benzene	105	12.520	12.519	(0.891)	518992	4.72404	4.72404
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	12.717	12.716	(1.112)	24400	109.711	109.710
100	1,1,2,2-Tetrachloroethane	83	12.826	12.825	(0.913)	53433	4.92570	4.92570
101	t-1,4-Dichloro-2-butene	53	12.875	12.875	(0.916)	58801	21.9941	21.9941
102	1,2,3-Trichloropropane	110	12.924	12.923	(0.920)	13204	5.18619	5.18619(Q)
103	Bromobenzene	156	12.974	12.963	(0.923)	121307	4.79851	4.79851
104	n-Propylbenzene	120	12.964	12.963	(0.923)	146204	4.86907	4.86907
106	2-Chlorotoluene	126	13.131	13.130	(0.935)	128822	4.91782	4.91782
105	1,3,5-Trimethylbenzene	105	13.122	13.120	(0.934)	405539	4.63501	4.63501
107	4-Chlorotoluene	126	13.240	13.239	(0.942)	125307	5.02981	5.02981
108	tert-Butylbenzene	119	13.526	13.515	(0.963)	361559	4.66017	4.66017
109	1,2,4-Trimethylbenzene	105	13.565	13.564	(0.966)	405028	4.74438	4.74438
110	sec-Butylbenzene	134	13.772	13.761	(0.980)	110435	4.61588	4.61588
111	4-Isopropyltoluene	119	13.901	13.899	(0.989)	461957	4.67392	4.67392
112	1,3-Dichlorobenzene	146	13.989	13.978	(0.996)	237040	4.85206	4.85206
114	1,4-dichlorobenzene	146	14.078	14.077	(1.002)	235007	4.92034	4.92034
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	14.403	14.402	(1.025)	497228	4.87072	4.87072
117	1,2-Dichlorobenzene	146	14.561	14.560	(1.036)	182707	4.88363	4.88363
118	1,2-Dibromo-3-chloropropane	157	15.567	15.566	(1.108)	8252	4.97072	4.97072
120	1,2,4-Trichlorobenzene	180	16.790	16.789	(1.195)	120250	4.46956	4.46956
121	Hexachlorobutadiene	225	16.987	16.986	(1.209)	106262	4.17329	4.17329
122	Naphthalene	128	17.253	17.252	(1.228)	109398	4.41078	4.41078
123	1,2,3-Trichlorobenzene	180	17.658	17.657	(1.257)	92584	4.61195	4.61195

QC Flag Legend

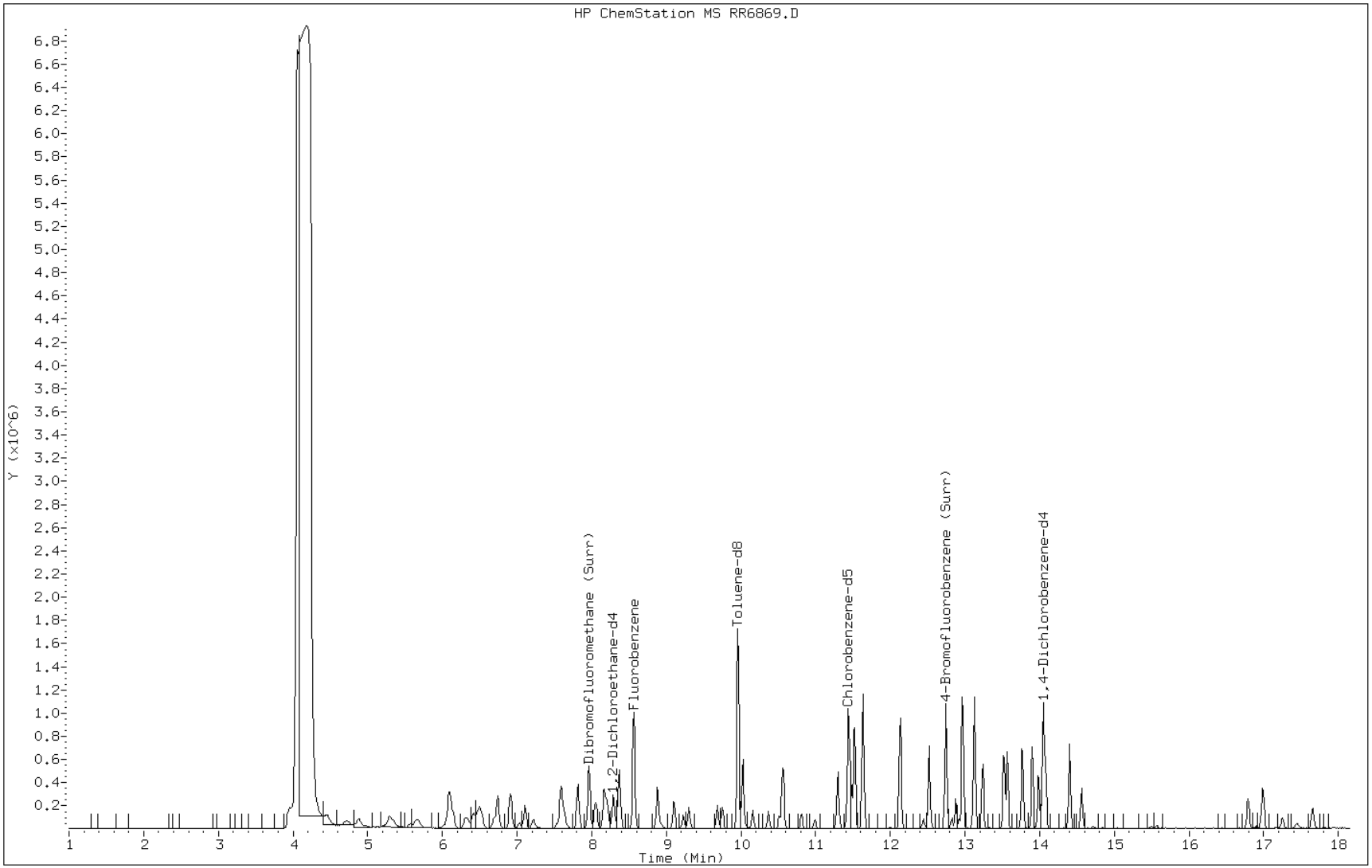
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6869.D

Date: 02-JUL-2012 11:12

Client ID: Instrument: R2.i

Sample Info: 280-30334-g-1 MS,,PH<2 Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30334-1

SDG No.:

Client Sample ID: LF6SW0101QA MSD | Lab Sample ID: 280-30334-1 MSD

Matrix: Water | Lab File ID: RR6870.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 12:10

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 11:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	4.30		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	3.93		1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	4.97		3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	4.62		1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	4.57		1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	4.40		1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	4.82	J	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	4.24		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	4.41		1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	4.91		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	4.90		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	4.57		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	4.75		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	4.61		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.72		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	4.62		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	4.37		1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	29.2		6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	4.76		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	4.69		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	4.01		1.0	0.40	0.20
591-78-6	2-Hexanone	23.3		5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	23.0		5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	4.33		1.0	0.40	0.17
71-43-2	Benzene	4.54		1.0	0.20	0.16
67-64-1	Acetone	22.6		10	6.4	1.9
108-86-1	Bromobenzene	4.78		1.0	0.20	0.17
75-25-2	Bromoform	4.49		1.0	0.40	0.19
74-83-9	Bromomethane	4.99		2.0	0.40	0.21
56-23-5	Carbon tetrachloride	3.96		2.0	0.40	0.19
75-15-0	Carbon disulfide	4.31		2.0	0.80	0.45
95-49-8	2-Chlorotoluene	4.63		1.0	0.40	0.17
106-43-4	4-Chlorotoluene	4.89		1.0	0.40	0.17
108-90-7	Chlorobenzene	4.52		1.0	0.20	0.17
74-97-5	Chlorobromomethane	4.64		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.54		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30334-1

SDG No.:

Client Sample ID: LF6SW0101QA MSD | Lab Sample ID: 280-30334-1 MSD

Matrix: Water | Lab File ID: RR6870.D

Analysis Method: 8260B/DoD | Date Collected: 06/21/2012 12:10

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 11:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	4.31		1.0	0.20	0.16
75-00-3	Chloroethane	4.48		2.0	1.6	0.41
74-87-3	Chloromethane	4.55		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	4.64		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	4.41		1.0	0.20	0.16
74-95-3	Dibromomethane	4.71		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	4.47		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	4.48		2.0	0.80	0.31
100-41-4	Ethylbenzene	4.64		1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	3.98		1.0	0.40	0.36
98-82-8	Isopropylbenzene	4.47		1.0	0.40	0.19
106-93-4	Ethylene Dibromide	4.71		1.0	0.20	0.18
75-09-2	Methylene Chloride	4.83	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	4.41	J	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	9.20		2.0	0.80	0.34
91-20-3	Naphthalene	4.58		1.0	0.80	0.22
104-51-8	n-Butylbenzene	4.61		1.0	0.40	0.32
103-65-1	N-Propylbenzene	4.56		1.0	0.20	0.16
95-47-6	o-Xylene	4.57		1.0	0.40	0.19
100-42-5	Styrene	4.51		1.0	0.40	0.17
135-98-8	sec-Butylbenzene	4.44		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.48		1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	4.49		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	4.55		1.0	0.40	0.19
127-18-4	Tetrachloroethene	4.38		1.0	0.40	0.20
108-88-3	Toluene	4.64		1.0	0.40	0.17
79-01-6	Trichloroethene	4.45		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	4.63		2.0	0.80	0.29
75-01-4	Vinyl chloride	4.45		1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.54		3.0	3.0	0.79
544-10-5	1-Chlorohexane	4.38		1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Client Sample ID: LF6SW0101QA MSD Lab Sample ID: 280-30334-1 MSD

Matrix: Water Lab File ID: RR6870.D

Analysis Method: 8260B/DoD Date Collected: 06/21/2012 12:10

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 11:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		70-120
460-00-4	4-Bromofluorobenzene (Surr)	88		75-120
1868-53-7	Dibromofluoromethane (Surr)	89		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6870.D
Lab Smp Id: 280-30334-g-1 MSD
Inj Date : 02-JUL-2012 11:35
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30334-g-1 MSD,,PH<2
Misc Info : RR6869.D
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.566	8.566	(1.000)	1108585	12.5000	
* 88	Chlorobenzene-d5	119	11.435	11.435	(1.000)	228760	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.049	14.049	(1.000)	344206	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.964	7.964	(0.930)	385313	10.0068	10.0068
$ 58	1,2-Dichloroethane-d4	65	8.290	8.290	(0.968)	238203	9.32313	9.32313
$ 76	Toluene-d8	98	9.956	9.956	(0.871)	1256188	11.1847	11.1847
$ 99	4-Bromofluorobenzene (Surr)	95	12.747	12.737	(0.907)	357633	9.86550	9.86550
M 2	1,2-Dichloroethene (total)	96				280726	9.12647	9.12647
M 3	Xylene (total)	106				595153	13.7711	13.7710
7	dichlorodifluoromethane	85	4.463	4.462	(0.521)	136883	4.47582	4.47582
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	4.730	4.705	(0.552)	119721	4.54672	4.54672
10	Vinyl Chloride	62	4.897	4.876	(0.572)	125971	4.45040	4.45040
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	5.302	5.291	(0.619)	132166	4.99067	4.99067
13	Chloroethane	64	5.361	5.350	(0.626)	81963	4.47993	4.47993
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	5.676	5.665	(0.663)	221706	4.63072	4.63072
16	Ethanol	45	Compound Not Detected.					
17	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
19	Ethyl Ether	59	Compound Not Detected.					
20	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	6.091	6.089	(0.711)	55237	22.5631	22.5631
23 Trichlorotrifluoroethane	151	6.100	6.090	(0.712)	117590	4.54105	4.54105
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	6.150	6.109	(0.718)	131298	4.41460	4.41460
26 Iodomethane	142	6.337	6.316	(0.740)	250359	4.11366	4.11366
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	6.416	6.416	(0.749)	518891	4.31499	4.31499
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	6.465	6.474	(0.755)	55148	102.990	102.990
32 Methylene Chloride	84	6.505	6.513	(0.759)	126491	4.83267	4.83267
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	6.702	6.702	(0.782)	131544	4.40619	4.40618(a)
35 trans-1,2-Dichloroethene	96	6.751	6.750	(0.788)	143873	4.48582	4.48582
36 Hexane	57	6.919	6.919	(0.605)	193773	4.53256	4.53256
37 Vinyl acetate	43	7.037	7.037	(0.822)	97087	4.41655	4.41655
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	7.116	7.105	(0.831)	242866	4.57337	4.57337
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	7.540	7.529	(0.880)	90751	29.2495	29.2495
44 2-Butanol	45	7.580	7.580	(0.885)	74071	159.686	159.686
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	7.589	7.588	(0.886)	136853	4.64065	4.64065
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	7.619	7.618	(0.889)	171194	4.00558	4.00558(a)
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	7.816	7.815	(0.913)	51720	4.64413	4.64412
50 Chloroform	83	7.816	7.815	(0.913)	227084	4.31387	4.31387
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	8.053	8.052	(0.940)	190407	3.93009	3.93009
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	8.171	8.160	(0.954)	185648	4.24176	4.24176
57 Carbon Tetrachloride	117	8.211	8.209	(0.959)	180880	3.96278	3.96278
60 1,2-Dichloroethane	62	8.359	8.357	(0.976)	99197	4.61391	4.61390
61 Benzene	78	8.378	8.367	(0.978)	467934	4.53680	4.53680
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	8.881	8.880	(1.037)	138539	4.44941	4.44941
65 2-Pentanone	43	8.940	8.931	(1.044)	48781	8.66112	8.66112
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	9.108	9.097	(1.063)	103952	4.69280	4.69280
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	9.226	9.225	(1.077)	49704	4.71187	4.71187
71 Bromodichloromethane	83	9.305	9.304	(1.086)	131506	4.46659	4.46659
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	9.690	9.679	(1.131)	130780	4.41110	4.41110
75 4-Methyl-2-pentanone	43	9.749	9.748	(1.138)	158004	22.9548	22.9548
77 Toluene	91	10.025	10.024	(1.170)	477420	4.63794	4.63794
79 trans-1,3-Dichloropropene	75	10.163	10.152	(1.186)	95918	4.54779	4.54779
78 Ethyl methacrylate	69	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
80	1,1,2-Trichloroethane	97	10.370	10.369	(1.211)	53191	4.90959	4.90959
81	2-Hexanone	43	10.508	10.507	(0.919)	106973	23.3403	23.3403
82	1,3-Dichloropropane	76	10.548	10.547	(0.922)	90751	4.62473	4.62473
83	Tetrachloroethene	164	10.568	10.566	(0.924)	123817	4.37943	4.37943
84	Dibromochloromethane	129	10.814	10.813	(0.946)	78917	4.53576	4.53576
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	10.992	10.990	(0.961)	54797	4.70682	4.70682
87	1-Chlorohexane	91	11.297	11.296	(0.988)	179655	4.37713	4.37713
89	Chlorobenzene	112	11.475	11.474	(1.003)	299569	4.52141	4.52141
90	1,1,1,2-Tetrachloroethane	131	11.524	11.523	(1.008)	95355	4.29571	4.29571
91	Ethylbenzene	106	11.524	11.513	(1.008)	169133	4.64383	4.64383
92	m and p-Xylene	106	11.633	11.631	(1.017)	411119	9.20410	9.20410
93	o-Xylene	106	12.136	12.124	(1.061)	184034	4.56696	4.56696
94	Styrene	104	12.136	12.134	(1.061)	265240	4.51457	4.51456
95	Bromoform	173	12.441	12.440	(1.088)	43741	4.48739	4.48739
96	isopropyl benzene	105	12.520	12.519	(0.891)	516782	4.47102	4.47102
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	12.727	12.716	(1.113)	25934	110.029	110.029
100	1,1,2,2-Tetrachloroethane	83	12.826	12.825	(0.913)	55904	4.89832	4.89832
101	t-1,4-Dichloro-2-butene	53	12.875	12.875	(0.916)	59317	21.1058	21.1058
102	1,2,3-Trichloropropane	110	12.924	12.923	(0.920)	13312	4.96972	4.96972(Q)
103	Bromobenzene	156	12.974	12.963	(0.923)	127240	4.78398	4.78398
104	n-Propylbenzene	120	12.974	12.963	(0.923)	143959	4.55692	4.55692
106	2-Chlorotoluene	126	13.132	13.130	(0.935)	127630	4.63107	4.63107
105	1,3,5-Trimethylbenzene	105	13.122	13.120	(0.934)	402069	4.36782	4.36782
107	4-Chlorotoluene	126	13.240	13.239	(0.942)	128055	4.88561	4.88561
108	tert-Butylbenzene	119	13.526	13.515	(0.963)	365948	4.48319	4.48319
109	1,2,4-Trimethylbenzene	105	13.565	13.564	(0.966)	410154	4.56654	4.56654
110	sec-Butylbenzene	134	13.772	13.761	(0.980)	111745	4.43937	4.43937
111	4-Isopropyltoluene	119	13.901	13.899	(0.989)	450093	4.32840	4.32840
112	1,3-Dichlorobenzene	146	13.989	13.978	(0.996)	242444	4.71696	4.71696
114	1,4-dichlorobenzene	146	14.078	14.077	(1.002)	238985	4.75588	4.75588
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	14.404	14.402	(1.025)	494860	4.60750	4.60750
117	1,2-Dichlorobenzene	146	14.561	14.560	(1.036)	186914	4.74870	4.74870
118	1,2-Dibromo-3-chloropropane	157	15.567	15.566	(1.108)	8415	4.81792	4.81792
120	1,2,4-Trichlorobenzene	180	16.790	16.789	(1.195)	124462	4.39706	4.39706
121	Hexachlorobutadiene	225	16.987	16.986	(1.209)	106551	3.97744	3.97744
122	Naphthalene	128	17.254	17.252	(1.228)	119419	4.57641	4.57641
123	1,2,3-Trichlorobenzene	180	17.658	17.657	(1.257)	97545	4.61849	4.61849

QC Flag Legend

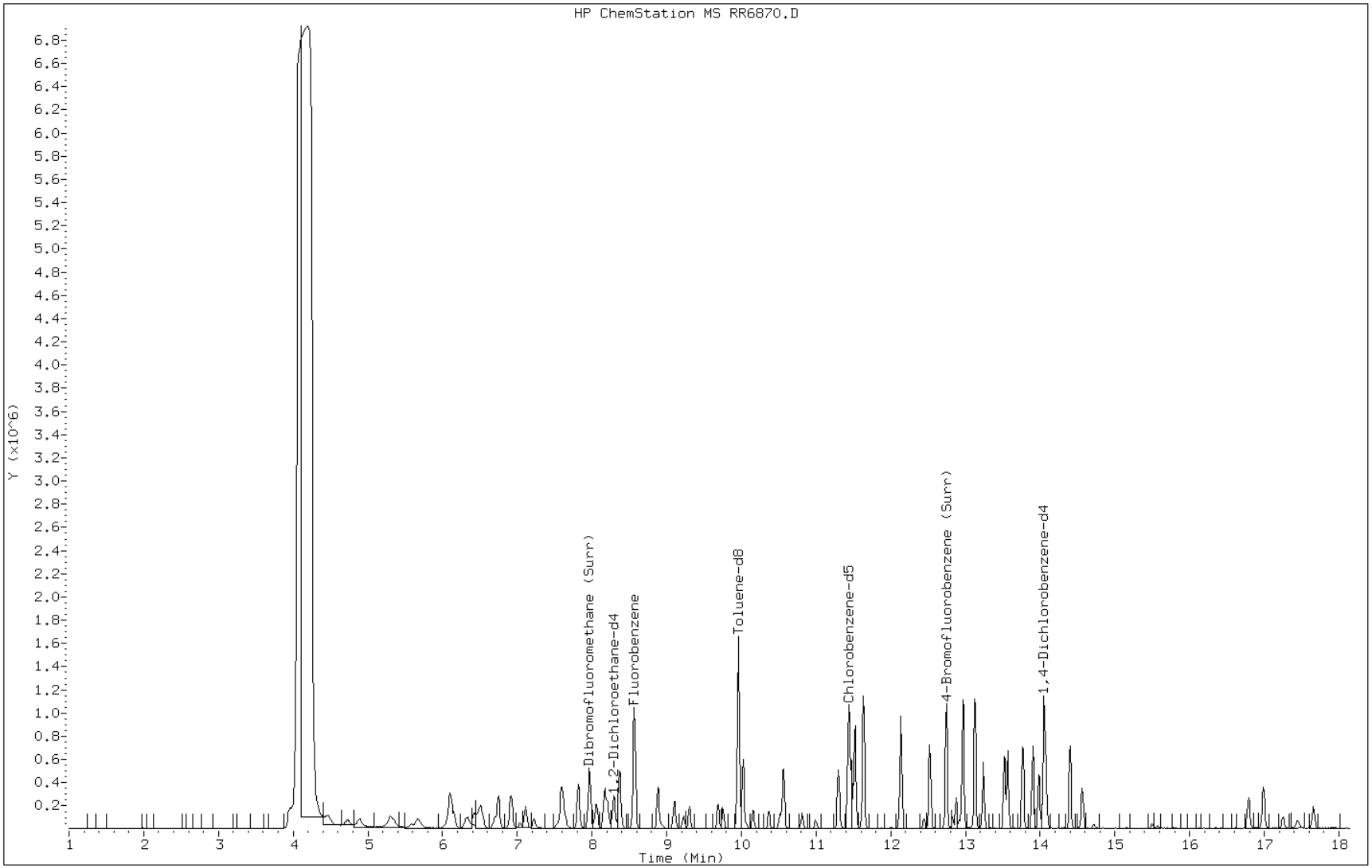
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6870.D

Date: 02-JUL-2012 11:35

Client ID: Instrument: R2.i

Sample Info: 280-30334-g-1 MSD,,PH<2 Operator: DOBRANSKYM



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 06/14/2012 06:38

Analysis Batch Number: 124040 End Date: 06/14/2012 18:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-124040/1		06/14/2012 06:38	1	RR6351.D	DB-624 (60.25) 0.25(mm)
CCV 280-124040/2		06/14/2012 07:10	1		DB-624 (60.25) 0.25(mm)
IC 280-124040/3		06/14/2012 07:32	1	RR6354.D	DB-624 (60.25) 0.25(mm)
IC 280-124040/4		06/14/2012 07:54	1	RR6355.D	DB-624 (60.25) 0.25(mm)
IC 280-124040/5		06/14/2012 08:17	1	RR6356.D	DB-624 (60.25) 0.25(mm)
ICIS 280-124040/6		06/14/2012 08:39	1	RR6357.D	DB-624 (60.25) 0.25(mm)
IC 280-124040/7		06/14/2012 09:01	1	RR6358.D	DB-624 (60.25) 0.25(mm)
IC 280-124040/8		06/14/2012 09:23	1	RR6359.D	DB-624 (60.25) 0.25(mm)
ICV 280-124040/9		06/14/2012 09:46	1	RR6360.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 10:08	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 10:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 10:53	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 11:16	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 11:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 12:01	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 12:23	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 12:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 13:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 13:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 13:54	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 14:16	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 14:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 15:02	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 15:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 15:47	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 16:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 16:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 16:55	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 17:17	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 17:40	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 18:03	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 06/15/2012 06:43

Analysis Batch Number: 124226 End Date: 06/15/2012 17:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-124226/1		06/15/2012 06:43	1	RR6385.D	DB-624 (60.25) 0.25(mm)
CCV 280-124226/2		06/15/2012 07:15	1		DB-624 (60.25) 0.25(mm)
IC 280-124226/3		06/15/2012 07:37	1	RR6388.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/4		06/15/2012 08:00	1	RR6389.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/5		06/15/2012 08:22	1	RR6390.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/6		06/15/2012 08:45	1	RR6391.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/7		06/15/2012 09:07	1	RR6392.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/8		06/15/2012 09:30	1	RR6393.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/9		06/15/2012 09:52	1	RR6394.D	DB-624 (60.25) 0.25(mm)
ICV 280-124226/10		06/15/2012 10:15	1	RR6395.D	DB-624 (60.25) 0.25(mm)
ICV 280-124226/11		06/15/2012 10:37	1	RR6396.D	DB-624 (60.25) 0.25(mm)
ICV 280-124226/12		06/15/2012 11:00	1	RR6397.D	DB-624 (60.25) 0.25(mm)
ICV 280-124226/13		06/15/2012 11:22	1	RR6398.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 11:45	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 12:08	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 12:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 13:01	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 13:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 13:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 14:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 14:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 14:54	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 15:17	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 15:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 16:01	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 16:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 16:47	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 17:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 17:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 17:54	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 07/02/2012 06:11

Analysis Batch Number: 126338 End Date: 07/02/2012 18:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-126338/1		07/02/2012 06:11	1	RR6855.D	DB-624 (60.25) 0.25(mm)
CCV 280-126338/2		07/02/2012 06:43	1	RR6857.D	DB-624 (60.25) 0.25(mm)
CCV 280-126338/3		07/02/2012 07:27	1	RR6859.D	DB-624 (60.25) 0.25(mm)
CCV 280-126338/4		07/02/2012 07:49	1	RR6860.D	DB-624 (60.25) 0.25(mm)
CCV 280-126338/5		07/02/2012 08:11	1		DB-624 (60.25) 0.25(mm)
LCS 280-126338/6		07/02/2012 08:34	1	RR6862.D	DB-624 (60.25) 0.25(mm)
MB 280-126338/7		07/02/2012 08:56	1	RR6863.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 09:19	1		DB-624 (60.25) 0.25(mm)
280-30334-2	LF6SW0201QA	07/02/2012 09:41	1	RR6865.D	DB-624 (60.25) 0.25(mm)
280-30334-1	LF6SW0101QA	07/02/2012 10:04	1	RR6866.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 10:27	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 10:49	1		DB-624 (60.25) 0.25(mm)
280-30334-1 MS	LF6SW0101QA MS	07/02/2012 11:12	1	RR6869.D	DB-624 (60.25) 0.25(mm)
280-30334-1 MSD	LF6SW0101QA MSD	07/02/2012 11:35	1	RR6870.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 11:57	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 12:20	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 12:43	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 13:06	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 13:29	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 13:51	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 14:14	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 14:37	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 15:00	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 15:23	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 15:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 16:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 16:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 16:55	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 17:18	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 17:41	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 18:04	1		DB-624 (60.25) 0.25(mm)

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG No.:

Project: Griffiss AFB LF6 LTM

Client Sample ID	Lab Sample ID
LF6SW0101QA	280-30334-1
LF6SW0201QA	280-30334-2
LF6LH0101QA	280-30334-3
LF6LH0201QA	280-30334-4

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6SW0101QA
Lab Sample ID: 280-30334-1
Lab Name: TestAmerica Denver
Job No.: 280-30334-1
SDG ID.:
Matrix: Water
Date Sampled: 06/21/2012 12:10
Reporting Basis: WET
Date Received: 06/22/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.070	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	0.86	1.0	0.20	0.077	mg/L	J	J	1	351.2
Chemical Oxygen Demand	7.0	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	300	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.27	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	0.23	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	190	15	2.5	1.3	mg/L			5	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.23	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	40	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	2.0	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	250	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	590	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	3.1	2.5	0.75	0.30	mg/L			1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6SW0201QA
Lab Sample ID: 280-30334-2
Lab Name: TestAmerica Denver
Job No.: 280-30334-1
SDG ID.:
Matrix: Water
Date Sampled: 06/21/2012 11:20
Reporting Basis: WET
Date Received: 06/22/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.075	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	0.80	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	6.3	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	310	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.27	0.50	0.20	0.11	mg/L	J		1	9056A
Nitrate as N	0.19	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	180	15	2.5	1.3	mg/L			5	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.10	1.0	0.10	0.060	mg/L	U		1	9056A
Nitrate Nitrite as N	0.19	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	39	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	2.2	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	250	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	560	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6LH0101QA
Lab Sample ID: 280-30334-3
Lab Name: TestAmerica Denver
Job No.: 280-30334-1
SDG ID.:
Matrix: Water
Date Sampled: 06/21/2012 10:40
Reporting Basis: WET
Date Received: 06/22/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.16	0.10	0.050	0.022	mg/L			1	350.1
Nitrogen, Kjeldahl	0.80	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	41	20	10	4.1	mg/L			1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	230	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Chloride	12	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.067	1.0	0.10	0.060	mg/L	J		1	9056A
Nitrate Nitrite as N	0.10	0.50	0.10	0.042	mg/L	U		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	2.1	5.0	0.50	0.23	mg/L	J		1	9056A
Total Organic Carbon - Quad	8.1	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	240	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	270	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	3.0	2.5	0.75	0.30	mg/L			1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6LH0201QA
Lab Sample ID: 280-30334-4
Lab Name: TestAmerica Denver
Job No.: 280-30334-1
SDG ID.:
Matrix: Water
Date Sampled: 06/21/2012 11:40
Reporting Basis: WET
Date Received: 06/22/2012 09:30

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Ammonia	0.022	0.10	0.050	0.022	mg/L	J		1	350.1
Nitrogen, Kjeldahl	0.81	1.0	0.20	0.077	mg/L	J		1	351.2
Chemical Oxygen Demand	12	20	10	4.1	mg/L	J		1	410.4
Color	5.0	5.0	5.0	5.0	PCU	U		1	SM 2120B
Hardness as calcium carbonate	160	5.0	1.5	1.3	mg/L			1	SM 2340C
Bromide	0.20	0.50	0.20	0.11	mg/L	U		1	9056A
Nitrate as N	0.079	0.50	0.10	0.042	mg/L	J		1	9056A
Chloride	6.7	3.0	0.50	0.25	mg/L			1	9056A
Nitrite as N	0.10	0.50	0.10	0.049	mg/L	U		1	9056A
Fluoride	0.074	1.0	0.10	0.060	mg/L	J		1	9056A
Nitrate Nitrite as N	0.079	0.50	0.10	0.042	mg/L	J		1	9056A
Orthophosphate as P	0.20	0.50	0.20	0.19	mg/L	U		1	9056A
Sulfate	30	5.0	0.50	0.23	mg/L			1	9056A
Total Organic Carbon - Quad	2.3	1.0	0.40	0.16	mg/L			1	9060A
Alkalinity	120	5.0	2.0	1.1	mg/L			1	SM 2320B
Total Dissolved Solids	190	10	10	4.7	mg/L			1	SM 2540C
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Analyst: BQW Batch Start Date: 07/07/2012

Reporting Units: mg/L Analytical Batch No.: 126890

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
15	ICVL	10:37	Ammonia	1.90	2.00	95	90-110		NXN ICV INT_00148
16	ICV	10:38	Ammonia	4.90	5.00	98	90-110		NXN ICV INT_00148
17	ICB	10:40	Ammonia	0.050				U	
32	CCV	11:02	Ammonia	5.01	5.00	100	90-110		NXN CAL INT_00154
33	CCVL	11:04	Ammonia	1.00	1.00	100	90-110		NXN CAL INT_00154
34	CCB	11:05	Ammonia	0.050				U	
48	CCV	11:26	Ammonia	5.10	5.00	102	90-110		NXN CAL INT_00154
49	CCVL	11:28	Ammonia	1.01	1.00	101	90-110		NXN CAL INT_00154
50	CCB	11:29	Ammonia	0.050				U	
64	CCV	11:50	Ammonia	5.06	5.00	101	90-110		NXN CAL INT_00154
65	CCVL	11:52	Ammonia	1.00	1.00	100	90-110		NXN CAL INT_00154
66	CCB	11:53	Ammonia	0.050				U	
80	CCV	12:15	Ammonia	5.04	5.00	101	90-110		NXN CAL INT_00154
81	CCVL	12:16	Ammonia	1.01	1.00	101	90-110		NXN CAL INT_00154
82	CCB	12:18	Ammonia	0.050				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Analyst: MW Batch Start Date: 07/13/2012

Reporting Units: mg/L Analytical Batch No.: 127784

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
13	ICV	20:35	Nitrogen, Kjeldahl	9.58	9.92	97	90-110		TKN ICV_00003
14	ICB	20:37	Nitrogen, Kjeldahl	0.294				J	
21	CCV	20:45	Nitrogen, Kjeldahl	4.94	5.00	99	90-110		TKN 25ppm_00097
22	CCB	20:47	Nitrogen, Kjeldahl	0.291				J	
33	CCV	21:00	Nitrogen, Kjeldahl	4.95	5.00	99	90-110		TKN 25ppm_00097
34	CCB	21:02	Nitrogen, Kjeldahl	0.287				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Analyst: MF Batch Start Date: 06/26/2012

Reporting Units: mg/L Analytical Batch No.: 125624

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	11:37	Chemical Oxygen Demand	100	100	100	90-110		COD icv std_00009
2	ICB	11:37	Chemical Oxygen Demand	10				U	
16	CCV	11:37	Chemical Oxygen Demand	103	100	103	90-110		COD cal std_00014
17	CCB	11:37	Chemical Oxygen Demand	10				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Analyst: TLP Batch Start Date: 06/22/2012

Reporting Units: mg/L Analytical Batch No.: 125527

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	08:34	Nitrate as N	2.13	2.00	106	90-110		IC ICV daily_00821
			Nitrite as N	1.87	2.00	94	90-110		IC ICV daily_00821
			Orthophosphate as P	2.01	2.00	101	90-110		IC ICV daily_00821
2	ICB	08:55	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	
18	CCV	14:43	Nitrate as N	5.10	5.00	102	90-110		IC daily cal_00821
			Nitrite as N	4.90	5.00	98	90-110		IC daily cal_00821
			Orthophosphate as P	5.09	5.00	102	90-110		IC daily cal_00821
19	CCB	14:59	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	
30	CCV	18:04	Nitrate as N	5.09	5.00	102	90-110		IC daily cal_00821
			Nitrite as N	4.92	5.00	98	90-110		IC daily cal_00821
			Orthophosphate as P	5.09	5.00	102	90-110		IC daily cal_00821
31	CCB	18:21	Nitrate as N	0.10				U	
			Nitrite as N	0.10				U	
			Orthophosphate as P	0.20				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Analyst: TLP Batch Start Date: 06/22/2012

Reporting Units: mg/L Analytical Batch No.: 125528

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	08:34	Bromide	2.00	2.00	100	90-110		IC ICV daily_00821
			Chloride	10.4	10.0	104	90-110		IC ICV daily_00821
			Fluoride	2.07	2.00	104	90-110		IC ICV daily_00821
			Sulfate	10.6	10.0	106	90-110		IC ICV daily_00821
2	ICB	08:55	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
18	CCV	14:43	Bromide	5.07	5.00	101	90-110		IC daily cal_00821
			Chloride	25.4	25.0	102	90-110		IC daily cal_00821
			Fluoride	5.13	5.00	103	90-110		IC daily cal_00821
			Sulfate	26.6	25.0	106	90-110		IC daily cal_00821
19	CCB	14:59	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
30	CCV	18:04	Bromide	5.04	5.00	101	90-110		IC daily cal_00821
			Chloride	25.5	25.0	102	90-110		IC daily cal_00821
			Fluoride	5.11	5.00	102	90-110		IC daily cal_00821
			Sulfate	26.4	25.0	106	90-110		IC daily cal_00821
31	CCB	18:21	Bromide	0.20				U	
			Chloride	0.636				J	
			Fluoride	0.10				U	
			Sulfate	0.50				U	
38	CCV	20:19	Bromide	5.04	5.00	101	90-110		IC daily cal_00821
			Chloride	25.3	25.0	101	90-110		IC daily cal_00821
			Fluoride	5.13	5.00	103	90-110		IC daily cal_00821
			Sulfate	26.2	25.0	105	90-110		IC daily cal_00821
39	CCB	20:35	Bromide	0.20				U	
			Chloride	0.50				U	
			Fluoride	0.10				U	
			Sulfate	0.50				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Analyst: DFB Batch Start Date: 07/16/2012

Reporting Units: mg/L Analytical Batch No.: 128057

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	17:54	Total Organic Carbon - Quad	18.8	20.0	94	90-110		TOC ICV Std_00012
2	ICB	18:14	Total Organic Carbon - Quad	0.25				U	
28	CCV	01:54	Total Organic Carbon - Quad	24.4	25.0	97	90-110		TOC LCS Std_00013
29	CCB	02:13	Total Organic Carbon - Quad	0.25				U	
40	CCV	05:33	Total Organic Carbon - Quad	24.8	25.0	99	90-110		TOC LCS Std_00013
41	CCB	05:53	Total Organic Carbon - Quad	0.25				U	
52	CCV	08:55	Total Organic Carbon - Quad	24.8	25.0	99	90-110		TOC LCS Std_00013
53	CCB	09:14	Total Organic Carbon - Quad	0.209				J	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Analyst: BMG Batch Start Date: 06/23/2012

Reporting Units: mg/L Analytical Batch No.: 125394

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
29	CCV	10:31	Alkalinity	208	200	104	90-110		Alk daily lcs_00252
30	CCB	10:35	Alkalinity	2.0				U	
41	CCV	11:30	Alkalinity	207	200	103	90-110		Alk daily lcs_00252
42	CCB	11:34	Alkalinity	2.0				U	
53	CCV	12:27	Alkalinity	207	200	103	90-110		Alk daily lcs_00252
54	CCB	12:31	Alkalinity	2.0				U	
59	CCV	12:56	Alkalinity	213	200	106	90-110		Alk daily lcs_00252
60	CCB	13:00	Alkalinity	2.0				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 126890	Date: 07/07/2012 11:17						
350.1	MB 280-126890/42	Ammonia	0.050	U	mg/L	0.10	1
Batch ID: 127784	Date: 07/13/2012 20:40	Prep Batch: 127752	Date: 07/12/2012 19:30				
351.2	MB 280-127752/3-A	Nitrogen, Kjeldahl	0.266	J	mg/L	1.0	1
Batch ID: 125624	Date: 06/26/2012 11:37						
410.4	MB 280-125624/5	Chemical Oxygen Demand	10	U	mg/L	20	1
Batch ID: 125527	Date: 06/22/2012 10:33						
9056A	MB 280-125527/7	Nitrate as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125527/7	Nitrite as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125527/7	Nitrate Nitrite as N	0.10	U	mg/L	0.50	1
9056A	MB 280-125527/7	Orthophosphate as P	0.20	U	mg/L	0.50	1
Batch ID: 125528	Date: 06/22/2012 10:33						
9056A	MB 280-125528/7	Bromide	0.20	U	mg/L	0.50	1
9056A	MB 280-125528/7	Chloride	0.50	U	mg/L	3.0	1
9056A	MB 280-125528/7	Fluoride	0.10	U	mg/L	1.0	1
9056A	MB 280-125528/7	Sulfate	0.50	U	mg/L	5.0	1
Batch ID: 128057	Date: 07/17/2012 03:45						
9060A	MB 280-128057/34	Total Organic Carbon - Quad	0.40	U	mg/L	1.0	1
Batch ID: 126227	Date: 06/22/2012 13:00						
SM 2120B	MB 280-126227/1	Color	5.0	U	PCU	5.0	1
Batch ID: 125394	Date: 06/23/2012 10:49						
SM 2320B	MB 280-125394/33	Alkalinity	2.0	U	mg/L	5.0	1
Batch ID: 128017	Date: 07/17/2012 09:02						
SM 2340C	MB 280-128017/1	Hardness as calcium carbonate	1.5	U	mg/L	5.0	1
Batch ID: 125751	Date: 06/27/2012 08:19						
SM 2540C	MB 280-125751/1	Total Dissolved Solids	10	U	mg/L	10	1
Batch ID: 125222	Date: 06/22/2012 11:55						
SM5210B	MB 280-125222/6	Biochemical Oxygen Demand	0.60	U	mg/L	2.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 127784	Date: 07/13/2012 20:43		Prep Batch: 127752		Date: 07/12/2012 19:30						
351.2	280-30334-1	Nitrogen, Kjeldahl	0.86	J	mg/L						J
351.2	280-30334-1 MS	Nitrogen, Kjeldahl	3.23		mg/L	3.00	79	90-110			J
Batch ID: 125624	Date: 06/26/2012 11:37										
410.4	280-30334-1	Chemical Oxygen Demand	7.0	J	mg/L						
410.4	280-30334-1 MS	Chemical Oxygen Demand	54.7		mg/L	50.0	95	90-110			
Batch ID: 128057	Date: 07/17/2012 04:20										
9060A	280-30334-1	Total Organic Carbon - Quad	2.0		mg/L						
9060A	280-30334-1 MS	Total Organic Carbon - Quad	25.5		mg/L	25.0	94	86-114			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 127784	Date: 07/13/2012 20:44		Prep Batch: 127752		Date: 07/12/2012 19:30						
351.2	280-30334-1 MSD	Nitrogen, Kjeldahl	3.23		mg/L	3.00	79	90-110	0	25	J
Batch ID: 125624	Date: 06/26/2012 11:37										
410.4	280-30334-1 MSD	Chemical Oxygen Demand	54.7		mg/L	50.0	95	90-110	0	11	
Batch ID: 128057	Date: 07/17/2012 04:38										
9060A	280-30334-1 MSD	Total Organic Carbon - Quad	25.6		mg/L	25.0	94	86-114	0	12	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 125527 Date: 06/22/2012 16:40								
9056A	LF6LH0201QA	280-30334-4	Nitrate as N	0.079	mg/L			J
9056A	LF6LH0201QA	280-30334-4 DU	Nitrate as N	0.0430	mg/L	59	15	J
9056A	LF6LH0201QA	280-30334-4	Nitrite as N	0.10	mg/L			U
9056A	LF6LH0201QA	280-30334-4 DU	Nitrite as N	0.10	mg/L	NC	15	U
9056A	LF6LH0201QA	280-30334-4	Orthophosphate as P	0.20	mg/L			U
9056A	LF6LH0201QA	280-30334-4 DU	Orthophosphate as P	0.20	mg/L	NC	15	U
Batch ID: 125528 Date: 06/22/2012 16:40								
9056A	LF6LH0201QA	280-30334-4	Bromide	0.20	mg/L			U
9056A	LF6LH0201QA	280-30334-4 DU	Bromide	0.20	mg/L	NC	15	U
9056A	LF6LH0201QA	280-30334-4	Chloride	6.7	mg/L			
9056A	LF6LH0201QA	280-30334-4 DU	Chloride	6.66	mg/L	0.5	15	
9056A	LF6LH0201QA	280-30334-4	Fluoride	0.074	mg/L			J
9056A	LF6LH0201QA	280-30334-4 DU	Fluoride	0.0650	mg/L	13	15	J
9056A	LF6LH0201QA	280-30334-4	Sulfate	30	mg/L			
9056A	LF6LH0201QA	280-30334-4 DU	Sulfate	30.5	mg/L	0.4	15	
Batch ID: 126227 Date: 06/22/2012 13:00								
SM 2120B	LF6SW0101QA	280-30334-1	Color	5.0	PCU			U
SM 2120B	LF6SW0101QA	280-30334-1 DU	Color	5.0	PCU	NC	20	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126890	Date: 07/07/2012 11:19										
						LCS Source: NXN CAL INT_00154					
350.1	LCS 280-126890/43	Ammonia	5.06		mg/L	5.00	101	90-110	0	10	
Batch ID: 127784	Date: 07/13/2012 20:38	Prep Batch: 127752	Date: 07/12/2012 19:30								
						LCS Source: TKN 25ppm_00098					
351.2	LCS 280-127752/1-A	Nitrogen, Kjeldahl	5.75		mg/L	6.00	96	90-110	0	25	
Batch ID: 125624	Date: 06/26/2012 11:37										
						LCS Source: COD cal std_00014					
410.4	LCS 280-125624/3	Chemical Oxygen Demand	103		mg/L	100	103	90-110	4	11	
Batch ID: 125527	Date: 06/22/2012 09:45										
						LCS Source: IC daily cal_00821					
9056A	LCS 280-125527/5	Nitrate as N	5.09		mg/L	5.00	102	87-110	0	10	
9056A	LCS 280-125527/5	Nitrite as N	4.91		mg/L	5.00	98	87-112	0	10	
9056A	LCS 280-125527/5	Orthophosphate as P	4.73		mg/L	5.00	95	90-110	2	10	
Batch ID: 125528	Date: 06/22/2012 09:45										
						LCS Source: IC daily cal_00821					
9056A	LCS 280-125528/5	Bromide	5.04		mg/L	5.00	101	86-110	0	10	
9056A	LCS 280-125528/5	Chloride	25.4		mg/L	25.0	102	89-110	0	10	
9056A	LCS 280-125528/5	Fluoride	5.15		mg/L	5.00	103	88-111	0	10	
9056A	LCS 280-125528/5	Sulfate	25.5		mg/L	25.0	102	86-110	0	10	
Batch ID: 128057	Date: 07/17/2012 03:04										
						LCS Source: TOC LCS Std_00013					
9060A	LCS 280-128057/32	Total Organic Carbon - Quad	24.5		mg/L	25.0	98	86-114	0	12	
Batch ID: 125394	Date: 06/23/2012 10:40										
						LCS Source: Alk daily lcs_00252					
SM 2320B	LCS 280-125394/31	Alkalinity	206		mg/L	200	103	90-110	2	10	
Batch ID: 128017	Date: 07/17/2012 09:02										
						LCS Source: Hard lcs std_00022					
SM 2340C	LCS 280-128017/2	Hardness as calcium carbonate	398		mg/L	403	99	90-110	1	10	
Batch ID: 125751	Date: 06/27/2012 08:19										
						LCS Source: TDS LCS_00279					
SM 2540C	LCS 280-125751/2	Total Dissolved Solids	474		mg/L	502	94	86-110	3	20	
Batch ID: 125222	Date: 06/22/2012 11:55										
						LCS Source: BOD Daily LCS_00526					
SM5210B	LCS 280-125222/4	Biochemical Oxygen Demand	200		mg/L	198	101	85-115	2	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126890	Date: 07/07/2012 11:20										
						LCSD Source: NXN CAL INT_00154					
350.1	LCSD 280-126890/44	Ammonia	5.08		mg/L	5.00	102	90-110	0	10	
Batch ID: 127784	Date: 07/13/2012 20:39	Prep Batch: 127752	Date: 07/12/2012 19:30								
						LCSD Source: TKN 25ppm_00098					
351.2	LCSD 280-127752/2-A	Nitrogen, Kjeldahl	5.74		mg/L	6.00	96	90-110	0	25	
Batch ID: 125624	Date: 06/26/2012 11:37										
						LCSD Source: COD cal std_00014					
410.4	LCSD 280-125624/4	Chemical Oxygen Demand	99.4		mg/L	100	99	90-110	4	11	
Batch ID: 125527	Date: 06/22/2012 10:02										
						LCSD Source: IC daily cal_00821					
9056A	LCSD 280-125527/6	Nitrate as N	5.10		mg/L	5.00	102	87-110	0	10	
9056A	LCSD 280-125527/6	Nitrite as N	4.90		mg/L	5.00	98	87-112	0	10	
9056A	LCSD 280-125527/6	Orthophosphate as P	4.81		mg/L	5.00	96	90-110	2	10	
Batch ID: 125528	Date: 06/22/2012 10:02										
						LCSD Source: IC daily cal_00821					
9056A	LCSD 280-125528/6	Bromide	5.05		mg/L	5.00	101	86-110	0	10	
9056A	LCSD 280-125528/6	Chloride	25.4		mg/L	25.0	102	89-110	0	10	
9056A	LCSD 280-125528/6	Fluoride	5.15		mg/L	5.00	103	88-111	0	10	
9056A	LCSD 280-125528/6	Sulfate	25.5		mg/L	25.0	102	86-110	0	10	
Batch ID: 128057	Date: 07/17/2012 03:25										
						LCSD Source: TOC LCS Std_00013					
9060A	LCSD 280-128057/33	Total Organic Carbon - Quad	24.5		mg/L	25.0	98	86-114	0	12	
Batch ID: 125394	Date: 06/23/2012 10:45										
						LCSD Source: Alk daily lcs_00252					
SM 2320B	LCSD 280-125394/32	Alkalinity	211		mg/L	200	105	90-110	2	10	
Batch ID: 128017	Date: 07/17/2012 09:02										
						LCSD Source: Hard lcs std_00022					
SM 2340C	LCSD 280-128017/3	Hardness as calcium carbonate	400		mg/L	403	99	90-110	1	10	
Batch ID: 125751	Date: 06/27/2012 08:19										
						LCSD Source: TDS LCS_00279					
SM 2540C	LCSD 280-125751/3	Total Dissolved Solids	458		mg/L	502	91	86-110	3	20	
Batch ID: 125222	Date: 06/22/2012 11:55										
						LCSD Source: BOD Daily LCS_00526					
SM5210B	LCSD 280-125222/5	Biochemical Oxygen Demand	205		mg/L	198	104	85-115	2	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 125527	Date: 06/22/2012 09:12										
						LCS Source: IC CAL INT1_00159					
9056A	MRL 280-125527/3	Nitrate as N	0.502		mg/L	0.500	100	50-150			
9056A	MRL 280-125527/3	Nitrite as N	0.494	J	mg/L	0.500	99	50-150			
9056A	MRL 280-125527/3	Orthophosphate as P	0.510		mg/L	0.500	102	50-150			
Batch ID: 125528	Date: 06/22/2012 09:28										
						LCS Source: IC CAL INT1_00159					
9056A	MRL 280-125528/4	Bromide	0.224		mg/L	0.200	112	50-150			
9056A	MRL 280-125528/4	Chloride	1.06	J	mg/L	1.00	106	50-150			
9056A	MRL 280-125528/4	Fluoride	0.188	J	mg/L	0.200	94	50-150			
9056A	MRL 280-125528/4	Sulfate	0.862	J	mg/L	1.00	86	50-150			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 350.1 DL Date: 03/28/2011 13:26

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Ammonia		0.1	0.022

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: WC_Alp 2

Method: 350.1 XMDL Date: 03/28/2011 13:26

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Ammonia		0.1	0.0225

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 351.2 DL Date: 10/26/2010 10:52

Prep Method: 351.2

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Nitrogen, Kjeldahl		1	0.077

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: WC_Astoria

Method: 351.2 XMDL Date: 10/26/2010 10:52

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrogen, Kjeldahl		1	0.077

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: WC_HACH SPEC

Method: 410.4 DL Date: 09/19/2011 14:10

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Chemical Oxygen Demand		20	4.06

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: WC_HACH SPEC

Method: 410.4 XMDL Date: 03/22/2010 16:03

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chemical Oxygen Demand		20	4.06

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2120B LOQ Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	LOQ (PCU)	
Color		5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2120B XRL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (PCU)	
Color		5	

FORM IX - IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2340C DL Date: 03/11/2010 17:08

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Hardness as calcium carbonate		5	1.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2340C XMDL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Hardness as calcium carbonate		5	1.3

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A DL Date: 11/30/2009 00:00

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Bromide		0.5	0.113
Chloride		3	0.254
Fluoride		1	0.06
Nitrate as N		0.5	0.042
Nitrate Nitrite as N		0.5	0.042
Nitrite as N		0.5	0.049
Orthophosphate as P		0.5	0.187
Sulfate		5	0.232

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A XMDL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Bromide		0.2	0.113
Chloride		3	0.254
Fluoride		0.5	0.0597
Sulfate		5	0.232

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: WC_IC8

Method: 9056A XMDL Date: 03/28/2011 13:33

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrate as N		0.5	0.0425
Nitrate Nitrite as N		0.5	0.0425
Nitrite as N		0.5	0.0494
Orthophosphate as P		0.5	0.187

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060A DL Date: 11/30/2009 00:00

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Total Organic Carbon - Quad		1	0.155

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: WC_SHI2

Method: 9060A XMDL Date: 03/28/2011 11:39

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon - Quad		1	0.155

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: WC-AT3

Method: SM 2320B DL Date: 03/28/2011 12:06

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Alkalinity		5	1.07

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: WC-AT3

Method: SM 2320B XMDL Date: 03/28/2011 12:06

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Alkalinity		5	1.07

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2540C DL Date: 10/07/2011 10:03

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Total Dissolved Solids		10	4.7

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM 2540C XMDL Date: 10/11/2010 11:58

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Dissolved Solids		10	4.7

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM5210B DL Date: 03/28/2011 12:09

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Biochemical Oxygen Demand		2	0.236

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30334-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM5210B XMDL Date: 03/28/2011 12:09

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Biochemical Oxygen Demand		2	0.236

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Prep Method: 351.2

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LCS 280-127752/1-A	07/12/2012 19:30	127752		25	25
LCSD 280-127752/2-A	07/12/2012 19:30	127752		25	25
MB 280-127752/3-A	07/12/2012 19:30	127752		25	25
280-30334-1	07/12/2012 19:30	127752		25	25
280-30334-1 MS	07/12/2012 19:30	127752		25	25
280-30334-1 MSD	07/12/2012 19:30	127752		25	25
280-30334-2	07/12/2012 19:30	127752		25	25
280-30334-3	07/12/2012 19:30	127752		25	25
280-30334-4	07/12/2012 19:30	127752		25	25

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/07/2012 10:16 End Date: 07/07/2012 12:48

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			10:16																				
ZZZZZZ			10:17																				
ZZZZZZ			10:19																				
ZZZZZZ			10:20																				
IC 280-126890/5			10:22	X																			
IC 280-126890/6			10:23	X																			
IC 280-126890/7			10:25	X																			
IC 280-126890/8			10:26	X																			
IC 280-126890/9			10:28	X																			
IC 280-126890/10			10:29	X																			
IC 280-126890/11			10:31	X																			
ZZZZZZ			10:32																				
ZZZZZZ			10:34																				
ZZZZZZ			10:35																				
ICVL 280-126890/15	1		10:37	X																			
ICV 280-126890/16	1		10:38	X																			
ICB 280-126890/17	1		10:40	X																			
MRL 280-126890/18	1	T	10:41	X																			
ZZZZZZ			10:43																				
ZZZZZZ			10:44																				
ZZZZZZ			10:46																				
ZZZZZZ			10:47																				
ZZZZZZ			10:49																				
ZZZZZZ			10:50																				
ZZZZZZ			10:52																				
ZZZZZZ			10:53																				
ZZZZZZ			10:55																				
ZZZZZZ			10:56																				
ZZZZZZ			10:58																				
ZZZZZZ			10:59																				
RINSE 280-126890/31			11:01																				
CCV 280-126890/32	1		11:02	X																			
CCVL 280-126890/33	1		11:04	X																			
CCB 280-126890/34	1		11:05	X																			
ZZZZZZ			11:07																				
ZZZZZZ			11:08																				
ZZZZZZ			11:10																				
ZZZZZZ			11:11																				
ZZZZZZ			11:13																				
ZZZZZZ			11:14																				
ZZZZZZ			11:16																				
MB 280-126890/42	1	T	11:17	X																			

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/07/2012 10:16 End Date: 07/07/2012 12:48

Lab Sample ID	D/F	Type	Time	Analytes																			
				NH3																			
LCS 280-126890/43	1	T	11:19	X																			
LCSD 280-126890/44	1	T	11:20	X																			
ZZZZZZ			11:22																				
ZZZZZZ			11:23																				
RINSE 280-126890/47			11:25																				
CCV 280-126890/48	1		11:26	X																			
CCVL 280-126890/49	1		11:28	X																			
CCB 280-126890/50	1		11:29	X																			
ZZZZZZ			11:31																				
ZZZZZZ			11:32																				
ZZZZZZ			11:34																				
ZZZZZZ			11:35																				
ZZZZZZ			11:37																				
ZZZZZZ			11:38																				
ZZZZZZ			11:40																				
ZZZZZZ			11:41																				
ZZZZZZ			11:43																				
ZZZZZZ			11:44																				
ZZZZZZ			11:46																				
ZZZZZZ			11:47																				
RINSE 280-126890/63			11:49																				
CCV 280-126890/64	1		11:50	X																			
CCVL 280-126890/65	1		11:52	X																			
CCB 280-126890/66	1		11:53	X																			
ZZZZZZ			11:55																				
280-30334-1	1	T	11:57	X																			
280-30334-2	1	T	11:58	X																			
280-30334-3	1	T	12:00	X																			
280-30334-4	1	T	12:01	X																			
ZZZZZZ			12:03																				
ZZZZZZ			12:04																				
ZZZZZZ			12:06																				
ZZZZZZ			12:07																				
ZZZZZZ			12:09																				
ZZZZZZ			12:10																				
ZZZZZZ			12:12																				
RINSE 280-126890/79			12:13																				
CCV 280-126890/80	1		12:15	X																			
CCVL 280-126890/81	1		12:16	X																			
CCB 280-126890/82	1		12:18	X																			
ZZZZZZ			12:19																				
ZZZZZZ			12:21																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: WC_Alp 2 Method: 350.1

Start Date: 07/07/2012 10:16 End Date: 07/07/2012 12:48

Lab Sample ID	D / F	Type	Time	Analytes																			
				NH3																			
ZZZZZZ			12:22																				
ZZZZZZ			12:24																				
ZZZZZZ			12:25																				
ZZZZZZ			12:27																				
ZZZZZZ			12:28																				
ZZZZZZ			12:30																				
RINSE 280-126890/91			12:31																				
RINSE 280-126890/92			12:33																				
RINSE 280-126890/93			12:34																				
ZZZZZZ			12:36																				
RINSE 280-126890/95			12:37																				
CCV 280-126890/96			12:39																				
CCVL 280-126890/97			12:40																				
CCB 280-126890/98			12:42																				
ZZZZZZ			12:43																				
RINSE 280-126890/100			12:45																				
RINSE 280-126890/101			12:46																				
RINSE 280-126890/102			12:48																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: WC_Astoria Method: 351.2

Start Date: 07/13/2012 20:21 End Date: 07/13/2012 21:54

Lab Sample ID	D / F	Type	Time	Analytes																			
				TKN																			
ZZZZZZ			20:21																				
ZZZZZZ			20:22																				
ZZZZZZ			20:23																				
ZZZZZZ			20:24																				
IC 280-127784/5			20:25	X																			
IC 280-127784/6			20:27	X																			
IC 280-127784/7			20:28	X																			
IC 280-127784/8			20:29	X																			
IC 280-127784/9			20:30	X																			
IC 280-127784/10			20:32	X																			
ZZZZZZ			20:33																				
ZZZZZZ			20:34																				
ICV 280-127784/13	2		20:35	X																			
ICB 280-127784/14	1		20:37	X																			
LCS 280-127752/1-A	1	T	20:38	X																			
LCSD 280-127752/2-A	1	T	20:39	X																			
MB 280-127752/3-A	1	T	20:40	X																			
280-30334-1	1	T	20:42	X																			
280-30334-1 MS	1	T	20:43	X																			
280-30334-1 MSD	1	T	20:44	X																			
CCV 280-127784/21	1		20:45	X																			
CCB 280-127784/22	1		20:47	X																			
ZZZZZZ			20:48																				
ZZZZZZ			20:49																				
280-30334-2	1	T	20:50	X																			
280-30334-3	1	T	20:52	X																			
280-30334-4	1	T	20:53	X																			
ZZZZZZ			20:54																				
ZZZZZZ			20:55																				
ZZZZZZ			20:57																				
ZZZZZZ			20:58																				
ZZZZZZ			20:59																				
CCV 280-127784/33	1		21:00	X																			
CCB 280-127784/34	1		21:02	X																			
ZZZZZZ			21:03																				
ZZZZZZ			21:04																				
ZZZZZZ			21:06																				
ZZZZZZ			21:07																				
ZZZZZZ			21:08																				
ZZZZZZ			21:09																				
ZZZZZZ			21:11																				
ZZZZZZ			21:12																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: WC_Astoria Method: 351.2

Start Date: 07/13/2012 20:21 End Date: 07/13/2012 21:54

Lab Sample ID	D / F	Type	Time	Analytes																			
				TKN																			
ZZZZZZ			21:13																				
ZZZZZZ			21:14																				
CCV 280-127784/45			21:16																				
CCB 280-127784/46			21:17																				
ZZZZZZ			21:18																				
ZZZZZZ			21:19																				
ZZZZZZ			21:21																				
ZZZZZZ			21:22																				
ZZZZZZ			21:23																				
ZZZZZZ			21:24																				
ZZZZZZ			21:26																				
ZZZZZZ			21:27																				
ZZZZZZ			21:28																				
ZZZZZZ			21:29																				
CCV 280-127784/57			21:31																				
CCB 280-127784/58			21:32																				
ZZZZZZ			21:33																				
ZZZZZZ			21:34																				
ZZZZZZ			21:36																				
ZZZZZZ			21:37																				
ZZZZZZ			21:38																				
ZZZZZZ			21:39																				
ZZZZZZ			21:41																				
ZZZZZZ			21:42																				
ZZZZZZ			21:43																				
ZZZZZZ			21:44																				
ZZZZZZ			21:46																				
CCV 280-127784/70			21:47																				
CCB 280-127784/71			21:48																				
ZZZZZZ			21:49																				
ZZZZZZ			21:51																				
ZZZZZZ			21:52																				
ZZZZZZ			21:53																				
ZZZZZZ			21:54																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: WC_HACH SPEC Method: 410.4

Start Date: 06/26/2012 11:37 End Date: 06/26/2012 11:37

Lab Sample ID	D / F	Type	Time	Analytes																			
				COD																			
ICV 280-125624/1	1		11:37	X																			
ICB 280-125624/2	1		11:37	X																			
LCS 280-125624/3	1	T	11:37	X																			
LCSD 280-125624/4	1	T	11:37	X																			
MB 280-125624/5	1	T	11:37	X																			
ZZZZZZ			11:37																				
280-30334-1	1	T	11:37	X																			
280-30334-1 MS	1	T	11:37	X																			
280-30334-1 MSD	1	T	11:37	X																			
280-30334-2	1	T	11:37	X																			
280-30334-3	1	T	11:37	X																			
280-30334-4	1	T	11:37	X																			
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
CCV 280-125624/16	1		11:37	X																			
CCB 280-125624/17	1		11:37	X																			
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
ZZZZZZ			11:37																				
CCV 280-125624/23			11:37																				
CCB 280-125624/24			11:37																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2120B

Start Date: 06/22/2012 13:00 End Date: 06/22/2012 13:00

Lab Sample ID	D / F	Type	Time	Analytes																			
				Color																			
MB 280-126227/1	1	T	13:00	X																			
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
280-30334-1	1	T	13:00	X																			
280-30334-1 DU	1	T	13:00	X																			
280-30334-2	1	T	13:00	X																			
280-30334-3	1	T	13:00	X																			
280-30334-4	1	T	13:00	X																			
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				
ZZZZZZ			13:00																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2340C

Start Date: 07/17/2012 09:02 End Date: 07/17/2012 09:02

Lab Sample ID	D / F	Type	Time	Analytes																			
				HardCC																			
MB 280-128017/1	1	T	09:02	X																			
LCS 280-128017/2	1	T	09:02	X																			
LCSD 280-128017/3	1	T	09:02	X																			
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
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ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
280-30334-1	1	T	09:02	X																			
280-30334-2	1	T	09:02	X																			
280-30334-3	1	T	09:02	X																			
280-30334-4	1	T	09:02	X																			
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2340C

Start Date: 07/17/2012 09:02 End Date: 07/17/2012 09:02

Lab Sample ID	D / F	Type	Time	Analytes																			
				HardCC																			
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				
ZZZZZZ			09:02																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/22/2012 08:34 End Date: 06/22/2012 20:35

Lab Sample ID	D/F	Type	Time	Analytes																			
				N-No2	NNO32	NO3	Orthop																
ICV 280-125527/1	1		08:34	X		X	X																
ICB 280-125527/2	1		08:55	X		X	X																
MRL 280-125527/3	1	T	09:12	X		X	X																
ZZZZZZ			09:28																				
LCS 280-125527/5	1	T	09:45	X		X	X																
LCSD 280-125527/6	1	T	10:02	X		X	X																
MB 280-125527/7	1	T	10:33	X	X	X	X																
ZZZZZZ			11:55																				
ZZZZZZ			12:11																				
ZZZZZZ			12:28																				
ZZZZZZ			12:45																				
ZZZZZZ			13:02																				
ZZZZZZ			13:19																				
ZZZZZZ			13:35																				
ZZZZZZ			13:52																				
ZZZZZZ			14:09																				
ZZZZZZ			14:26																				
CCV 280-125527/18	1		14:43	X		X	X																
CCB 280-125527/19	1		14:59	X		X	X																
ZZZZZZ			15:16																				
280-30334-1	1	T	15:33	X	X	X	X																
280-30334-2	1	T	15:50	X	X	X	X																
280-30334-3	1	T	16:07	X	X	X	X																
280-30334-4	1	T	16:23	X	X	X	X																
280-30334-4 DU	1	T	16:40	X		X	X																
ZZZZZZ			16:57																				
ZZZZZZ			17:14																				
ZZZZZZ			17:31																				
ZZZZZZ			17:47																				
CCV 280-125527/30	1		18:04	X		X	X																
CCB 280-125527/31	1		18:21	X		X	X																
ZZZZZZ			18:38																				
ZZZZZZ			18:55																				
ZZZZZZ			19:11																				
ZZZZZZ			19:28																				
ZZZZZZ			19:45																				
ZZZZZZ			20:02																				
CCV 280-125527/38			20:19																				
CCB 280-125527/39			20:35																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: WC_IC8 Method: 9056A

Start Date: 06/22/2012 08:34 End Date: 06/22/2012 20:35

Lab Sample ID	D/F	Type	Time	Analytes																				
				Br	CL-	F	SO4																	
ICV 280-125528/1	1		08:34	X	X	X	X																	
ICB 280-125528/2	1		08:55	X	X	X	X																	
ZZZZZZ			09:12																					
MRL 280-125528/4	1	T	09:28	X	X	X	X																	
LCS 280-125528/5	1	T	09:45	X	X	X	X																	
LCSD 280-125528/6	1	T	10:02	X	X	X	X																	
MB 280-125528/7	1	T	10:33	X	X	X	X																	
ZZZZZZ			11:55																					
ZZZZZZ			12:11																					
ZZZZZZ			12:28																					
ZZZZZZ			12:45																					
ZZZZZZ			13:02																					
ZZZZZZ			13:19																					
ZZZZZZ			13:35																					
ZZZZZZ			13:52																					
ZZZZZZ			14:09																					
ZZZZZZ			14:26																					
CCV 280-125528/18	1		14:43	X	X	X	X																	
CCB 280-125528/19	1		14:59	X	X	X	X																	
ZZZZZZ			15:16																					
280-30334-1	1	T	15:33	X		X	X																	
280-30334-2	1	T	15:50	X		X	X																	
280-30334-3	1	T	16:07	X	X	X	X																	
280-30334-4	1	T	16:23	X	X	X	X																	
280-30334-4 DU	1	T	16:40	X	X	X	X																	
ZZZZZZ			16:57																					
ZZZZZZ			17:14																					
ZZZZZZ			17:31																					
ZZZZZZ			17:47																					
CCV 280-125528/30	1		18:04	X	X	X	X																	
CCB 280-125528/31	1		18:21	X	X	X	X																	
ZZZZZZ			18:38																					
280-30334-1	5	T	18:55		X																			
280-30334-2	5	T	19:11		X																			
ZZZZZZ			19:28																					
ZZZZZZ			19:45																					
ZZZZZZ			20:02																					
CCV 280-125528/38	1		20:19	X	X	X	X																	
CCB 280-125528/39	1		20:35	X	X	X	X																	

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060A

Start Date: 07/16/2012 17:54 End Date: 07/17/2012 12:11

Lab Sample ID	D / F	Type	Time	Analytes																				
				TOCQ																				
ICV 280-128057/1	1		17:54	X																				
ICB 280-128057/2	1		18:14	X																				
ZZZZZZ			18:31																					
ZZZZZZ			18:49																					
ZZZZZZ			19:09																					
ZZZZZZ			19:26																					
ZZZZZZ			19:43																					
ZZZZZZ			20:02																					
ZZZZZZ			20:20																					
ZZZZZZ			20:37																					
ZZZZZZ			20:57																					
ZZZZZZ			21:14																					
ZZZZZZ			21:33																					
ZZZZZZ			21:52																					
ZZZZZZ			22:07																					
CCV 280-128057/16			22:24																					
CCB 280-128057/17			22:43																					
ZZZZZZ			23:00																					
ZZZZZZ			23:17																					
ZZZZZZ			23:33																					
ZZZZZZ			23:52																					
ZZZZZZ			00:10																					
ZZZZZZ			00:26																					
ZZZZZZ			00:44																					
ZZZZZZ			01:05																					
ZZZZZZ			01:22																					
ZZZZZZ			01:37																					
CCV 280-128057/28	1		01:54	X																				
CCB 280-128057/29	1		02:13	X																				
ZZZZZZ			02:31																					
ZZZZZZ			02:47																					
LCS 280-128057/32	1	T	03:04	X																				
LCSD 280-128057/33	1	T	03:25	X																				
MB 280-128057/34	1	T	03:45	X																				
280-30334-1	1	T	04:03	X																				
280-30334-1 MS	1	T	04:20	X																				
280-30334-1 MSD	1	T	04:38	X																				
280-30334-2	1	T	04:59	X																				
280-30334-3	1	T	05:15	X																				
CCV 280-128057/40	1		05:33	X																				
CCB 280-128057/41	1		05:53	X																				
280-30334-4	1	T	06:09	X																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: WC_SHI2 Method: 9060A

Start Date: 07/16/2012 17:54 End Date: 07/17/2012 12:11

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOCQ																			
ZZZZZZ			06:25																				
ZZZZZZ			06:41																				
ZZZZZZ			06:59																				
ZZZZZZ			07:14																				
ZZZZZZ			07:32																				
ZZZZZZ			07:48																				
ZZZZZZ			08:07																				
ZZZZZZ			08:23																				
ZZZZZZ			08:39																				
CCV 280-128057/52	1		08:55	X																			
CCB 280-128057/53	1		09:14	X																			
ZZZZZZ			09:32																				
ZZZZZZ			09:50																				
ZZZZZZ			10:06																				
ZZZZZZ			10:24																				
ZZZZZZ			10:43																				
ZZZZZZ			11:02																				
ZZZZZZ			11:19																				
ZZZZZZ			11:36																				
CCV 280-128057/62			11:51																				
CCB 280-128057/63			12:11																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: WC-AT3 Method: SM 2320B

Start Date: 06/23/2012 08:14 End Date: 06/23/2012 13:55

Lab Sample ID	D / F	Type	Time	Analytes																				
				Alk																				
RINSE 280-125394/1			08:14																					
ZZZZZZ			08:20																					
ZZZZZZ			08:26																					
ZZZZZZ			08:31																					
ZZZZZZ			08:36																					
ZZZZZZ			08:40																					
ZZZZZZ			08:44																					
ZZZZZZ			08:49																					
ZZZZZZ			08:54																					
ZZZZZZ			08:58																					
ZZZZZZ			09:03																					
ZZZZZZ			09:08																					
ZZZZZZ			09:13																					
ZZZZZZ			09:18																					
ZZZZZZ			09:23																					
ZZZZZZ			09:28																					
CCV 280-125394/17			09:32																					
CCB 280-125394/18			09:36																					
ZZZZZZ			09:41																					
ZZZZZZ			09:46																					
ZZZZZZ			09:51																					
ZZZZZZ			09:56																					
ZZZZZZ			10:01																					
ZZZZZZ			10:06																					
ZZZZZZ			10:12																					
ZZZZZZ			10:17																					
ZZZZZZ			10:21																					
ZZZZZZ			10:26																					
CCV 280-125394/29	1		10:31	X																				
CCB 280-125394/30	1		10:35	X																				
LCS 280-125394/31	1	T	10:40	X																				
LCSD 280-125394/32	1	T	10:45	X																				
MB 280-125394/33	1	T	10:49	X																				
ZZZZZZ			10:54																					
ZZZZZZ			10:59																					
ZZZZZZ			11:04																					
ZZZZZZ			11:09																					
ZZZZZZ			11:15																					
ZZZZZZ			11:20																					
ZZZZZZ			11:25																					
CCV 280-125394/41	1		11:30	X																				
CCB 280-125394/42	1		11:34	X																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: WC-AT3 Method: SM 2320B

Start Date: 06/23/2012 08:14 End Date: 06/23/2012 13:55

Lab Sample ID	D/F	Type	Time	Analytes																			
				Alk																			
ZZZZZZ			11:39																				
ZZZZZZ			11:44																				
ZZZZZZ			11:49																				
ZZZZZZ			11:53																				
ZZZZZZ			11:59																				
ZZZZZZ			12:04																				
ZZZZZZ			12:08																				
ZZZZZZ			12:13																				
ZZZZZZ			12:18																				
ZZZZZZ			12:22																				
CCV 280-125394/53	1		12:27	X																			
CCB 280-125394/54	1		12:31	X																			
280-30334-1	1	T	12:36	X																			
280-30334-2	1	T	12:41	X																			
280-30334-3	1	T	12:45	X																			
280-30334-4	1	T	12:50	X																			
CCV 280-125394/59	1		12:56	X																			
CCB 280-125394/60	1		13:00	X																			
ZZZZZZ			13:05																				
ZZZZZZ			13:10																				
ZZZZZZ			13:14																				
ZZZZZZ			13:19																				
ZZZZZZ			13:24																				
ZZZZZZ			13:28																				
ZZZZZZ			13:34																				
ZZZZZZ			13:38																				
ZZZZZZ			13:43																				
ZZZZZZ			13:47																				
CCV 280-125394/71			13:52																				
CCB 280-125394/72			13:55																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2540C

Start Date: 06/27/2012 08:19 End Date: 06/27/2012 08:19

Lab Sample ID	D / F	Type	Time	Analytes																				
				TDS																				
MB 280-125751/1	1	T	08:19	X																				
LCS 280-125751/2	1	T	08:19	X																				
LCSD 280-125751/3	1	T	08:19	X																				
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
280-30334-1	1	T	08:19	X																				
280-30334-2	1	T	08:19	X																				
280-30334-3	1	T	08:19	X																				
280-30334-4	1	T	08:19	X																				
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					
ZZZZZZ			08:19																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: NOEQUIP Method: SM5210B

Start Date: 06/22/2012 11:55 End Date: 06/22/2012 13:40

Lab Sample ID	D / F	Type	Time	Analytes																			
				BOD																			
ZZZZZZ			11:55																				
ZZZZZZ			11:55																				
ZZZZZZ			11:55																				
LCS 280-125222/4	1	T	11:55	X																			
LCSD 280-125222/5	1	T	11:55	X																			
MB 280-125222/6	1	T	11:55	X																			
ZZZZZZ			11:55																				
ZZZZZZ			11:55																				
ZZZZZZ			11:55																				
ZZZZZZ			11:55																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Instrument ID: NOEQUIP Method: SM5210B

Start Date: 06/22/2012 11:55 End Date: 06/22/2012 13:40

Lab Sample ID	D / F	Type	Time	Analytes																				
				BOD																				
ZZZZZZ			11:56																					
ZZZZZZ			11:56																					
ZZZZZZ			12:01																					
ZZZZZZ			12:03																					
ZZZZZZ			12:04																					
ZZZZZZ			12:10																					
ZZZZZZ			12:12																					
ZZZZZZ			12:13																					
ZZZZZZ			12:15																					
ZZZZZZ			12:16																					
ZZZZZZ			12:17																					
ZZZZZZ			12:18																					
ZZZZZZ			12:20																					
ZZZZZZ			13:31																					
280-30334-1	1	T	13:32	X																				
280-30334-2	1	T	13:33	X																				
280-30334-3	1	T	13:35	X																				
280-30334-4	1	T	13:40	X																				

Prep Types

T = Total/NA

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

NH_3 BW 7/7/12

Test Name/ Method #: DV-WC- **SOP #** DV-WC-0040

Instrument: A/K 2 **Analyst:** Brett Wolff **Analysis Date:** 7/7/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
580-33446	Soil	126646	126890	350.1	N/A
280-30538	Aq	126643			
280-30697	Aq	126642			
280-30497		N/A			
280-30663					
280-30734					
280-30735					
280-30334 280-30335					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	—			—
2. Correlation coefficient ≥ 0.995 ?	—			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	—			—
4. ICB analyzed immediately after the ICV & results < the RL	—			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	—			—
6. CCB analyzed after every CCV & results < RL?	—			—
7. Absolute value of the intercept is < ± ½ the RL?	—			—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	—			—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	—			—
3. All reported results bracketed by in control CCV results?	—			—
4. Sample analyses done within holding time?	—			—
5. Initial pH check documented for all samples? (If Applicable)	—			—
6. Preparation benchsheet completed and included in package?	—			—
7. Client requirements reviewed and met?	—			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	—			—
9. Do the prep and analysis dates in TALS reflect the actual dates?	—	BW 7/7/12		—
11. Raw data copies prepared, scanned, and uploaded?	—	+	—	—
12. Manual integrations done properly and initialed and dated?				—
13. STD/True Value information is updated and included?	—			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	—			—
2. Method blank < ½ RL or NCM provided?	—			—
3. LCS/LCSD run for batch and within QC limits?	—			—
4. MS/MSD run at required frequency and within limits or NCM written?		—		—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?	—			—

Analyst: _____ **Date:** 7/7/12

2nd Level Reviewer : _____ **Date:** 7/10/12

Peak Table:Ammonia

File name: C:\FLOW_4\0707NXNX.RST
Date: 07-Jul-12
Operator: BQW

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
1	107	SYNC	1	SYNC	1	1	1909338	10077.751953	HI
2	0	Carryover	1	CO	1	1	2033	22.445406	
3	0	Carryover	2	CO	1	1	168	12.695738	
B	0	read baseline	1	RB	1	1	0	11.818829	BL
5	101	Cal 0.00 ppb	1	C	1	1	86	12.266266	
6	102	Cal 50.0 ppb	1	C	1	1	10581	67.129349	
7	103	Cal 100 ppb	1	C	1	1	16052	95.724686	
8	104	Cal 500 ppb	1	C	1	1	89322	478.879028	
9	105	Cal 1000 ppb	1	C	1	1	187127	990.734436	
10	106	Cal 5000 ppb	1	C	1	1	951557	5006.859863	
11	107	Cal 10000 ppb	1	C	1	1	1894416	9998.418945	
12	0	blk	1	BLNK	1	1	194	12.831810	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
14	108	5000 PPB NO2	1	U	1	1	1145	17.801294	
15	109	ICV 2000 PPB	1	CCV	1	1	360773	1900.605713	
16	110	ICV 5000 PPB	1	CCV	1	1	931373	4900.462891	
17	0	ICB	1	U	1	1	411	13.966819	
18	111	MRL	1	U	1	1	15997	95.439346	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
20	113	mb 280-126642/1-a 1	U		1	1	1576	20.056736	
21	114	lcs 280-126642/2-a 1	U		1	1	934684	4917.916504	
22	115	lcsd 280-126642/3-a 1	U		1	1	891353	4689.560547	
23	116	280-30538-j-1-a 1	U		1	1	65760	355.640045	
24	117	280-30538-bf-2-a 1	U		1	1	23321	133.726212	
25	118	280-30538-ab-2-a ms 1	U		1	1	986310	5190.099121	
26	119	280-30538-ac-2-a msd 1	U		1	1	956114	5030.883789	
27	120	280-30538-j-3-a 1	U		1	1	20717	120.113609	
28	121	280-30538-j-4-a 1	U		1	1	25054	142.786865	
29	122	280-30697-f-1-a 1	U		1	1	24934	142.158615	
B	0	read baseline	1	RB	1	1	0	11.818829	BL
31	0	rinse	1	U	1	1	-152	11.022609	
32	106	5000 PPB CCV	1	CCV	1	1	952581	5012.259766	
33	105	CCV 1000PPB	1	CCV	1	1	189644	1003.912964	
34	0	CCB	1	U	1	1	1019	17.144012	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
36	123	mb 280-126646/1-a 1	U		1	1	1214	18.163017	
37	124	lcs 280-126646/2-a 1	U		1	1	927385	4879.444336	
38	125	lcsd 280-126646/3-a 1	U		1	1	981630	5165.422363	
39	126	580-33446-a-7-aX 1	U		10	1	12095	750.426025	
40	127	580-33446-a-7-b msX 1	U		10	1	97598	5221.777344	
41	128	580-33446-a-7-c msdX 1	U		10	1	98247	5255.710449	
42	129	MB	1	U	1	1	540	14.639570	
43	106	LCS	1	U	1	1	961682	5060.242188	
44	106	LCSD	1	U	1	1	966198	5084.047363	
45	130	280-30497-b-13	1	U	1	1	49342	269.782684	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
47	0	RINSE	1	U	1	1	-158	10.990534	
48	106	5000 PPB CCV	1	CCV	1	1	969704	5102.534668	
49	105	CCV 1000PPB	1	CCV	1	1	190460	1008.187012	
50	0	CCB	1	U	1	1	753	15.753778	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
52	131	280-30497-b-14	1	U	1	1	49775	272.045288	
53	132	280-30497-b-15	1	U	1	1	36203	201.078445	
54	133	280-30497-b-16	1	U	1	1	25609	145.691254	
55	134	280-30497-b-17	1	U	1	1	28071	158.560135	
56	135	280-30497-b-18	1	U	1	1	12926	79.385841	
57	136	280-30663-e-1	1	U	100	1	1033187	543735.687500	
58	137	280-30734-d-2	1	U	1	1	1405	19.160933	
59	138	280-30734-d-2 MS 1	U		1	1	576493	3032.916260	
60	139	280-30734-d-2 MSD 1	U		1	1	581389	3058.640869	
61	140	280-30745-h-1	1	U	1	1	30492	171.219009	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
63	0	RINSE	1	U	1	1	-216	10.690676	
64	106	5000 PPB CCV	1	CCV	1	1	961815	5060.943848	
65	105	CCV 1000PPB	1	CCV	1	1	189571	1003.529785	
66	0	CCB	1	U	1	1	849	16.254400	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
68	141	280-30334-a-1	1	U	1	1	11114	69.911255	
69	142	280-30334-a-2	1	U	1	1	12014	74.619919	
70	143	280-30334-a-3	1	U	1	1	28450	160.541687	

Peak	Cup	Name	R	Type	Dil	Wt	Height	Calc. (ppb)	Flags
71	144	280-30334-a-4	1	U	1	1	1936	21.937971	
72	145	280-30335-d-1	1	U	1	1	139223	739.977478	
73	146	280-30335-d-1 MS	1	U	1	1	493423	2596.622070	
74	147	280-30335-d-1 MSD	1	U	1	1	489996	2578.634033	
75	148	280-30335-d-2	1	U	1	1	59150	321.072174	
76	149	280-30335-d-3	1	U	1	1	257038	1356.882202	
77	150	280-30335-d-4	1	U	1	1	24987	142.435181	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
79	0	RINSE	1	U	1	1	-139	11.092036	
80	106	5000 PPB CCV	1	CCV	1	1	957043	5035.780762	
81	105	CCV 1000PPB	1	CCV	1	1	190003	1005.794312	
82	0	CCB	1	U	1	1	726	15.614248	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
84	151	280-30335-d-5	1	U	1	1	37011	205.304672	
85	152	280-30335-d-6	1	U	1	1	20345	118.167328	
86	153	280-30632-F-1X	1	U	1	1	31329	175.595901	
87	154	280-30632-F-2X	1	U	1	1	40844	225.343582	
88	155	580-33446-a-7-d	1	U	1	1	77861	418.928650	
89	156	580-33446-a-7-b ms	1	U	1	1	962710	5065.659180	
90	157	580-33446-a-7-c msd	1	U	1	1	947516	4985.556641	
91	158	RINSE	1	U	1	1	1939	21.954975	
92	159	RINSE	1	U	1	1	999	17.040297	
93	160	RINSE	1	U	1	1	1043	17.269089	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL
95	0	RINSE	1	U	1	1	-254	10.489528	
96	106	5000 PPB CCV	1	CCV	1	1	964006	5072.493652	
97	105	CCV 1000PPB	1	CCV	1	1	188525	998.051758	
98	0	CCB	1	U	1	1	1165	17.908318	
B	0	READ BASELINE	1	RB	1	1	0	11.818829	BL

Ammonia:Calibration 1: Peak 5-102

File name: C:\FLOW_4\0707NXNX.RST
Date: 07-Jul-12
Operator: BQW

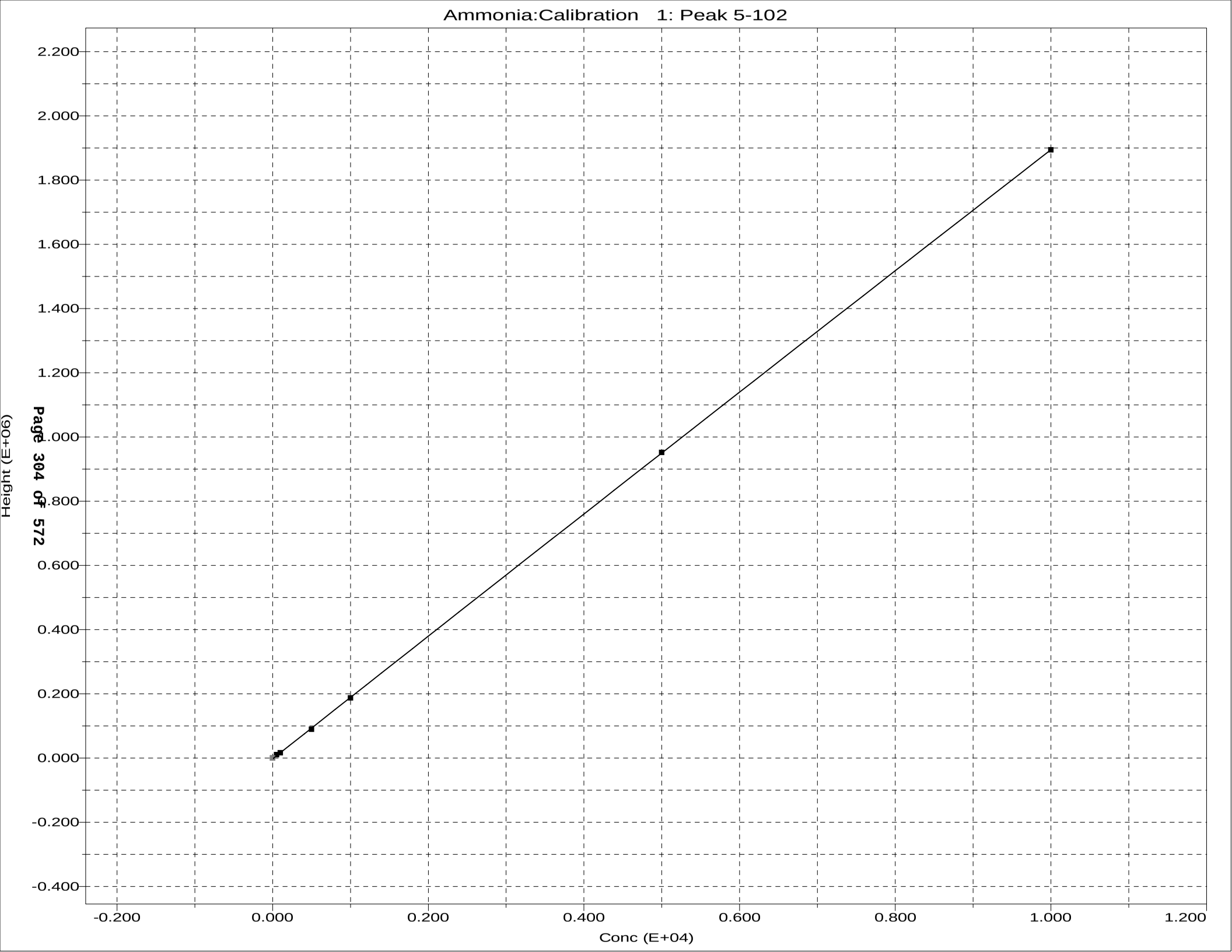
*	Name	Conc	Height
*	Cal 0.00 ppb	0.000000	85.603302
*	Cal 50.0 ppb	50.000000	10581.457031
*	Cal 100 ppb	100.000000	16051.635742
*	Cal 500 ppb	500.000000	89321.531250
*	Cal 1000 ppb	1000.000000	187127.140625
*	Cal 5000 ppb	5000.000000	951556.875000
*	Cal 10000 ppb	10000.000000	1894416.000000

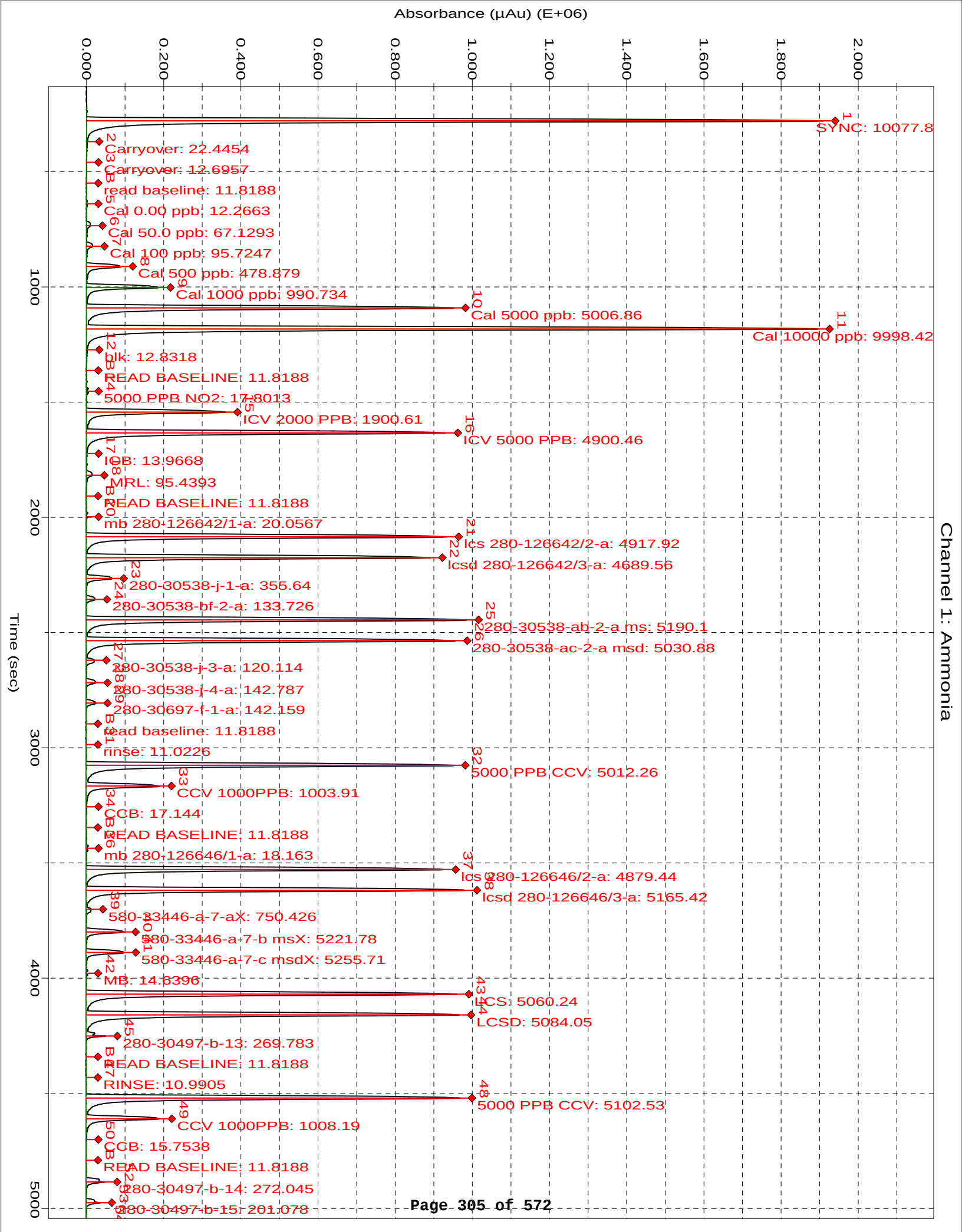
Calib Coef:
x=cyy+by+a
a: (intercept) 1.1819e+01
b: 5.2269e-03
c: 2.3612e-11

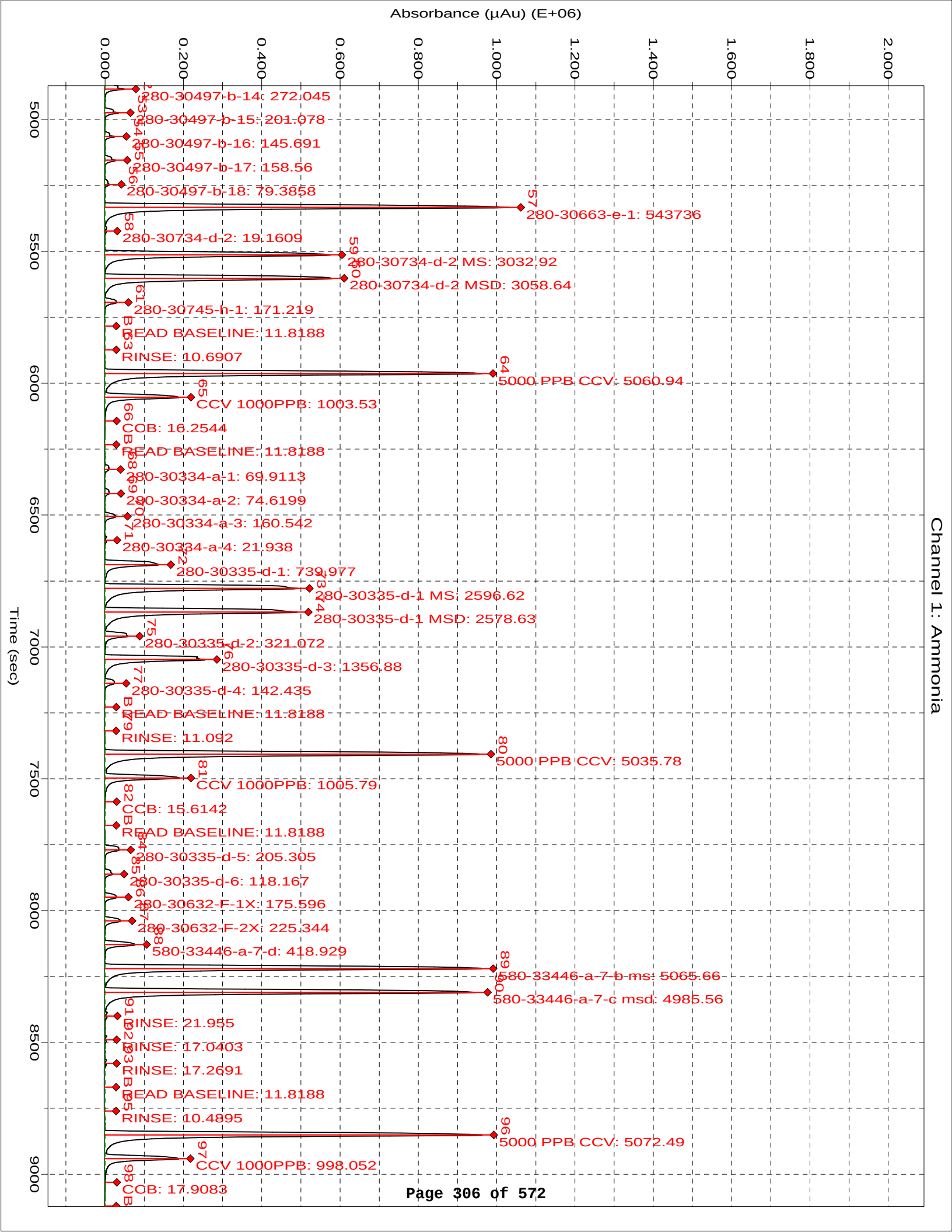
Corr Coef: 0.999994

Carryover: 0.106%

No Drift Peaks


Ammonia:Calibration 1: Peak 5-102
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
Height (E+06)
-0.200
0.000
0.200
0.400
0.600
0.800
1.000
1.200
Conc (E+04)


Absorbance (µAu) (E+06)
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
Time (sec)
1000
2000
3000
4000
5000
Channel 1: Ammonia
1 SYNC: 10077.8
2 Carryover: 22.4454
3 Carryover: 12.6957
4 B read baseline: 11.8188
5 Cal 0.00 ppb: 12.2663
6 Cal 50.0 ppb: 67.1293
7 Cal 100 ppb: 95.7247
8 Cal 500 ppb: 478.879
9 Cal 1000 ppb: 990.734
10 Cal 5000 ppb: 5006.86
11 Cal 10000 ppb: 9998.42
12 blk: 12.8318
13 B READ BASELINE: 11.8188
14 5000 PPB NO2: 17.8013
15 ICV 2000 PPB: 1900.61
16 ICV 5000 PPB: 4900.46
17 ICB: 13.9668
18 B MRL: 95.4393
19 B READ BASELINE: 11.8188
20 mb 280-126642/1-a: 20.0567
21 lcs 280-126642/2-a: 4917.92
22 lcsd 280-126642/3-a: 4689.56
23 280-30538-j-1-a: 355.64
24 280-30538-bf-2-a: 133.726
25 280-30538-ab-2-a ms: 5190.1
26 280-30538-ac-2-a msd: 5030.88
27 280-30538-j-3-a: 120.114
28 280-30538-j-4-a: 142.787
29 280-30697-f-1-a: 142.159
30 B read baseline: 11.8188
31 rinse: 11.0226
32 5000 PPB CCV: 5012.26
33 CCV 1000PPB: 1003.91
34 CCB: 17.144
35 B READ BASELINE: 11.8188
36 mb 280-126646/1-a: 18.163
37 lcs 280-126646/2-a: 4879.44
38 lcsd 280-126646/3-a: 5165.42
39 580-33446-a-7-aX: 750.426
40 580-33446-a-7-b msX: 5221.78
41 580-33446-a-7-c msdX: 5255.71
42 MB: 14.6396
43 LCS: 5060.24
44 LCSD: 5084.05
45 280-30497-b-13: 269.783
46 B READ BASELINE: 11.8188
47 RINSE: 10.9905
48 5000 PPB CCV: 5102.53
49 CCV 1000PPB: 1008.19
50 CCB: 15.7538
51 B READ BASELINE: 11.8188
52 280-30497-b-14: 272.045
53 280-30497-b-15: 201.078


Absorbance (µAu) (E+06)
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
Time (sec)
5000
5500
6000
6500
7000
7500
8000
8500
9000
Channel 1: Ammonia
280-30497-b-14: 272.045
280-30497-b-15: 201.078
280-30497-b-16: 145.691
280-30497-b-17: 158.56
280-30497-b-18: 79.3858
280-30663-e-1: 543736
280-30734-d-2: 19.1609
280-30734-d-2 MS: 3032.92
280-30734-d-2 MSD: 3058.64
280-30745-h-1: 171.219
BLEAD BASELINE: 11.8188
RINSE: 10.6907
5000 PPB CCV: 5060.94
CCV 1000PPB: 1003.53
CCB: 16.2544
BLEAD BASELINE: 11.8188
280-30334-a-1: 69.9113
280-30334-a-2: 74.6199
280-30334-a-3: 160.542
280-30334-a-4: 21.938
280-30335-d-1: 739.977
280-30335-d-1 MS: 2596.62
280-30335-d-1 MSD: 2578.63
280-30335-d-2: 321.072
280-30335-d-3: 1356.88
280-30335-d-4: 142.435
BLEAD BASELINE: 11.8188
RINSE: 11.092
5000 PPB CCV: 5035.78
CCV 1000PPB: 1005.79
CCB: 15.6142
BLEAD BASELINE: 11.8188
280-30335-d-5: 205.305
280-30335-d-6: 118.167
280-30632-F-1X: 175.596
280-30632-F-2X: 225.344
580-33446-a-7-d: 418.929
580-33446-a-7-b ms: 5065.66
580-33446-a-7-c msd: 4985.56
RINSE: 21.955
RINSE: 17.0403
RINSE: 17.2691
BLEAD BASELINE: 11.8188
RINSE: 10.4895
5000 PPB CCV: 5072.49
CCV 1000PPB: 998.052
CCB: 17.9083

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TKN/351.2 SOP # DV-WC-0026

Instrument: ASTORIA Analyst: MCCOLLUM Analysis Date: 7/13/2012

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30334 1-4	WATER	127752	127784	351.2	Q4
30753-1	↓	1	↓	↓	N/A
30813 13		↓			↓
30282 1-9		127379			Q4
30754 1-5	↓	↓	↓	↓	N/A

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	/			/
2. Correlation coefficient ≥ 0.995 ?	/			/
3. Second-source ICV analyzed, and recovery within acceptance limits?	/			/
4. ICB analyzed immediately after the ICV & results < the RL	/			/
5. CCV analyzed after every ten samples & recovery within acceptance limits?	/			/
6. CCB analyzed after every CCV & results < RL?	/			/
7. Absolute value of the intercept is < ± ½ the RL?	/			/
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	/			/
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	/			/
3. All reported results bracketed by in control CCV results?	/			/
4. Sample analyses done within holding time?	/			/
5. Initial pH check documented for all samples? (If Applicable)	/			/
6. Preparation benchsheet completed and included in package?	/			/
7. Client requirements reviewed and met?	/			/
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			/	/
9. Do the prep and analysis dates in TALS reflect the actual dates?	/			/
11. Raw data copies prepared, scanned, and uploaded?	/			/
12. Manual integrations done properly and initialed and dated?			/	/
13. STD/True Value information is updated and included?	/			/
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	/			/
2. Method blank < ½ RL or NCM provided?	/			/
3. LCS/LCSD run for batch and within QC limits?	/			/
4. MS/MSD run at required frequency and within limits or NCM written?	/			/
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			/	/

Analyst: [signature] Date: 7/14/2012

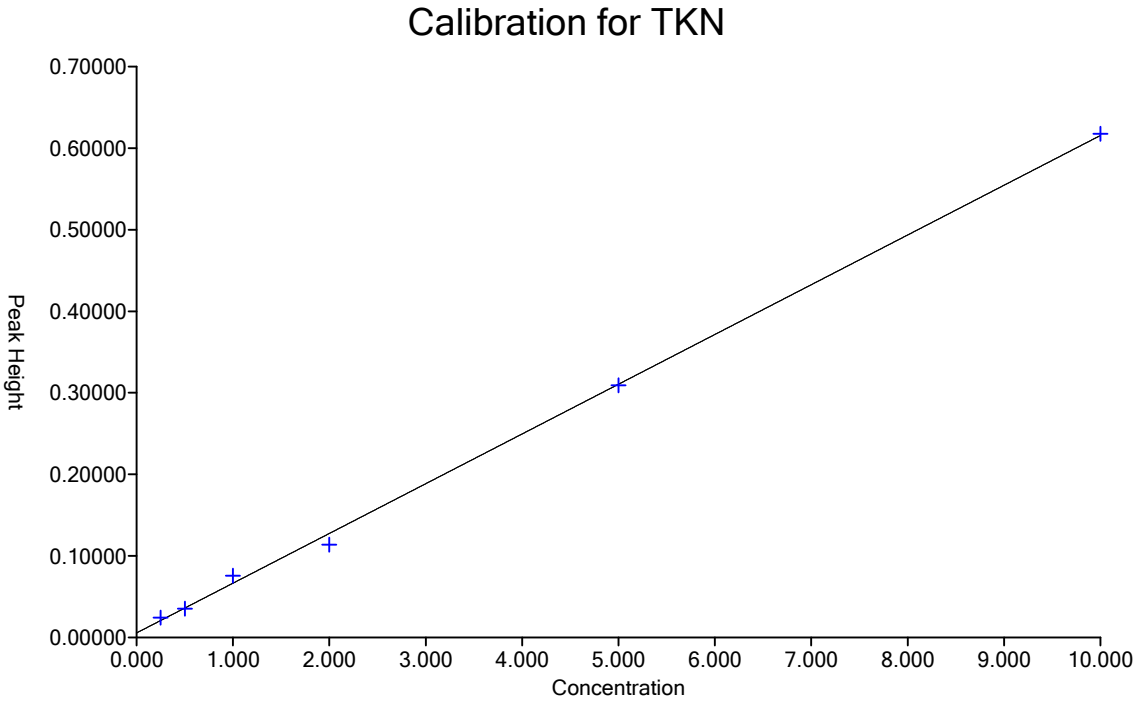
2nd Level Reviewer : [signature] Date: 7/16/12

Run Name: 071312TKNA
Configuration: TKN
Run date: 7/13/2012

Analyst:
ICV/CCV TV:
LCS/MS TV:

Astoria
TKN
351.2

	›siti	Identifier	Type	Comm	Date	Time	otal	TKN Cor Ht	TKN mg/l
1	1:1	SYNC	SYNC	50;351	7/13/2012	8:21:34	1	0.62317	10.127
2	1:2	CO	Carry over		7/13/2012	8:22:04	1	0.00089	-0.075
3	1:3	w	Blank		7/13/2012	8:23:20	1	0.00019	-0.086
4	1:4	W	Wash		7/13/2012	8:24:35	1	0.00000	-0.090
5	1:5	C1	Calibrant		7/13/2012	8:25:50	1	0.02445	0.311
6	1:6	C2	Calibrant		7/13/2012	8:27:06	1	0.03537	0.490
7	1:7	C3	Calibrant		7/13/2012	8:28:21	1	0.07591	1.155
8	1:8	C4	Calibrant		7/13/2012	8:29:36	1	0.11375	1.775
9	1:9	C5	Calibrant		7/13/2012	8:30:52	1	0.30918	4.979
10	1:10	C6	Calibrant		7/13/2012	8:32:07	1	0.61779	10.039
		Curve #:							1
		Curve Type:							Linear
		Correlation:							0.99944
		Intercept:							0.0054639
		Linear coef:							0.060996

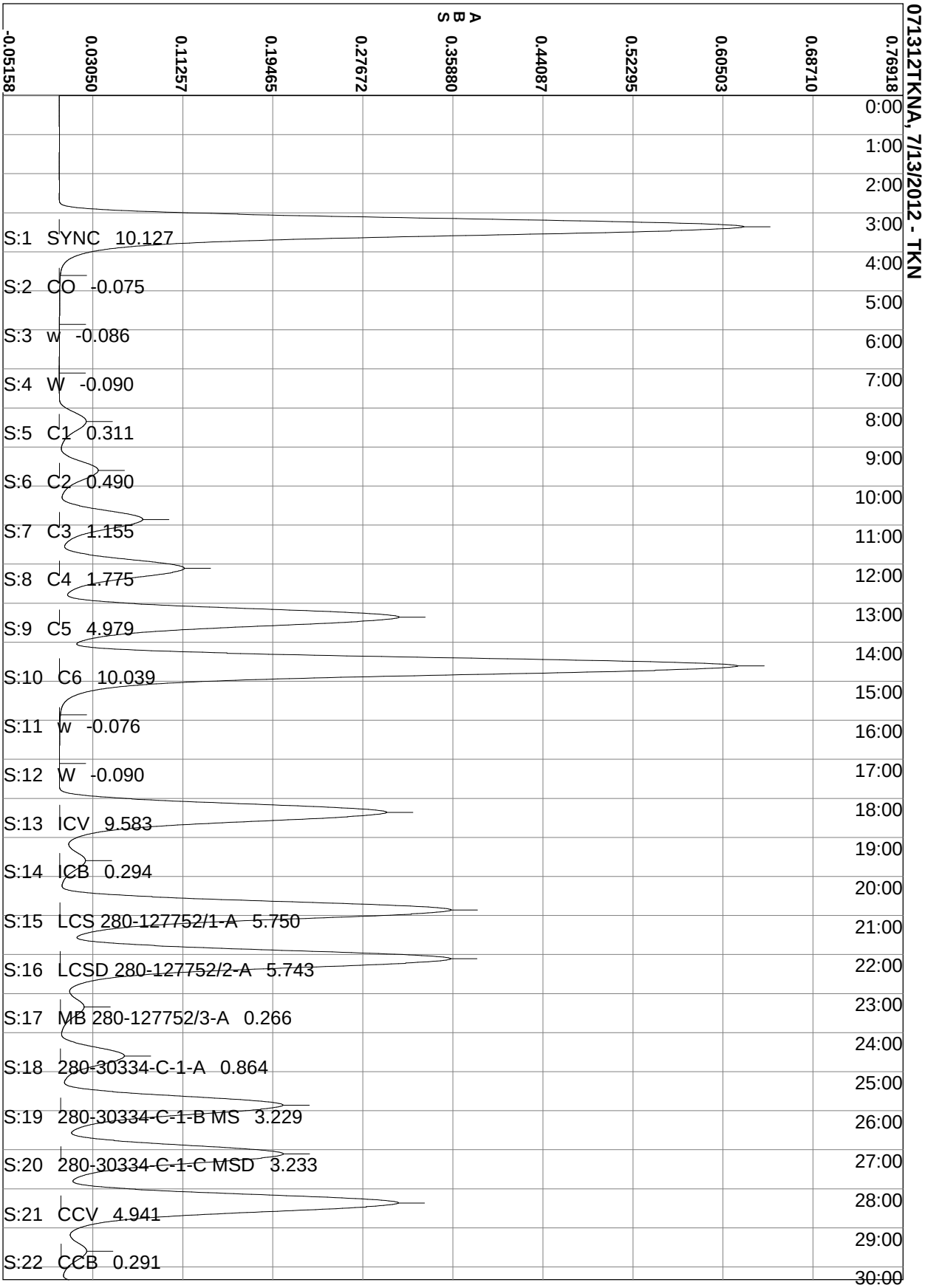


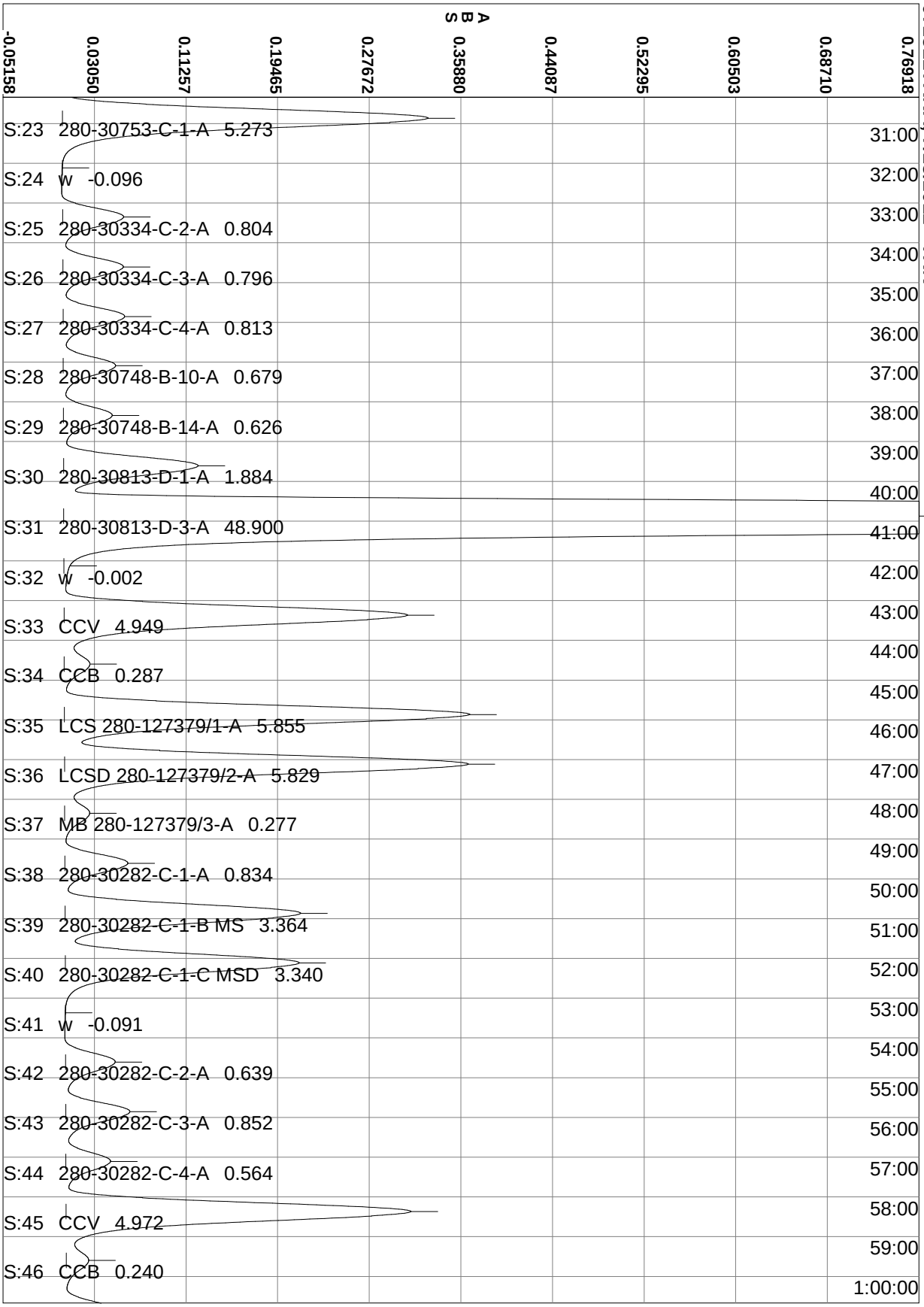
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Correlation: 0.9994 Y Range = 0.00000 to 7.20000

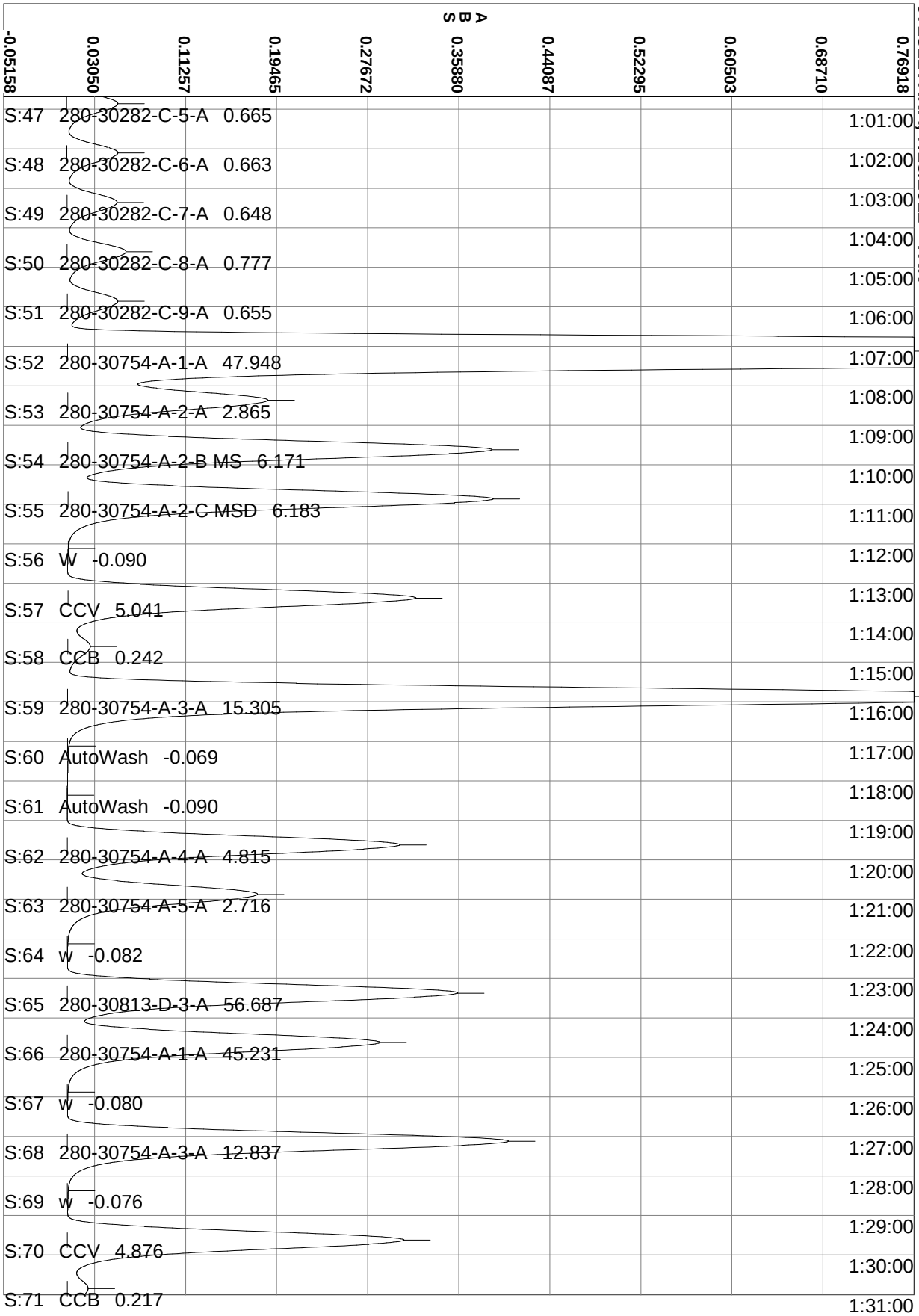
	›siti	Identifier	Type	Comm	Date	Time	otal	TKN Cor Ht	TKN mg/l
11	1:13	w	Blank		7/13/2012	8:33:22	1	0.00085	-0.076
12	1:14	W	Wash		7/13/2012	8:34:37	1	0.00000	-0.090
13	1:15	ICV	ICV		7/13/2012	8:35:53	2	0.29772	9.583
14	1:16	ICB	ICB		7/13/2012	8:37:08	1	0.02337	0.294
15	1:17	LCS 280-127752/1-A	Unknown		7/13/2012	8:38:23	1	0.35622	5.750

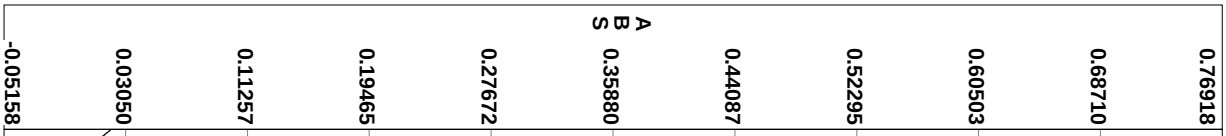
	Positi	Identifier	Type	Comm	Date	Time	Total	TKN Cor Ht	TKN mg/l
16	1:18	LCSD 280-127752/2-A	Unknown		7/13/2012	8:39:39 P	1	0.35577	5.743
17	1:19	MB 280-127752/3-A	Unknown		7/13/2012	8:40:54 P	1	0.02171	0.266
18	1:20	280-30334-C-1-A	Unknown		7/13/2012	8:42:09 P	1	0.05818	0.864
19	1:21	280-30334-C-1-B MS	Unknown		7/13/2012	8:43:25 P	1	0.20245	3.229
20	1:22	280-30334-C-1-C MSI	Unknown		7/13/2012	8:44:40 P	1	0.20265	3.233
21	1:23	CCV	CCV		7/13/2012	8:45:55 P	1	0.30687	4.941
22	1:24	CCB	CCB		7/13/2012	8:47:11 P	1	0.02324	0.291
23	1:25	280-30753-C-1-A	Unknown		7/13/2012	8:48:26 P	1	0.32708	5.273
24	1:26	w	Blank		7/13/2012	8:49:41 P	1	-0.00038	-0.096
25	1:27	280-30334-C-2-A	Unknown		7/13/2012	8:50:57 P	1	0.05451	0.804
26	1:28	280-30334-C-3-A	Unknown		7/13/2012	8:52:12 P	1	0.05404	0.796
27	1:29	280-30334-C-4-A	Unknown		7/13/2012	8:53:27 P	1	0.05503	0.813
28	1:30	280-30748-B-10-A	Unknown		7/13/2012	8:54:42 P	1	0.04686	0.679
29	1:31	280-30748-B-14-A	Unknown		7/13/2012	8:55:58 P	1	0.04367	0.626
30	1:32	280-30813-D-1-A	Unknown		7/13/2012	8:57:13 P	1	0.12038	1.884
31	1:33	280-30813-D-3-A	Unknown		7/13/2012	8:58:28 P	1	2.98820	48.900
32	1:34	w	Blank		7/13/2012	8:59:44 P	1	0.00535	-0.002
33	1:35	CCV	CCV		7/13/2012	9:00:59 P	1	0.30734	4.949
34	1:36	CCB	CCB		7/13/2012	9:02:14 P	1	0.02298	0.287
35	1:37	LCS 280-127379/1-A	Unknown		7/13/2012	9:03:30 P	1	0.36258	5.855
36	1:38	LCSD 280-127379/2-A	Unknown		7/13/2012	9:04:45 P	1	0.36098	5.829
37	1:39	MB 280-127379/3-A	Unknown		7/13/2012	9:06:00 P	1	0.02235	0.277
38	1:40	280-30282-C-1-A	Unknown		7/13/2012	9:07:16 P	1	0.05632	0.834
39	1:41	280-30282-C-1-B MS	Unknown		7/13/2012	9:08:31 P	1	0.21067	3.364
40	1:42	280-30282-C-1-C MSI	Unknown		7/13/2012	9:09:46 P	1	0.20917	3.340
41	1:43	w	Blank		7/13/2012	9:11:02 P	1	-0.00010	-0.091
42	1:44	280-30282-C-2-A	Unknown		7/13/2012	9:12:17 P	1	0.04442	0.639
43	1:45	280-30282-C-3-A	Unknown		7/13/2012	9:13:32 P	1	0.05740	0.852
44	1:46	280-30282-C-4-A	Unknown		7/13/2012	9:14:47 P	1	0.03990	0.564
45	1:47	CCV	CCV		7/13/2012	9:16:03 P	1	0.30872	4.972
46	1:48	CCB	CCB		7/13/2012	9:17:18 P	1	0.02011	0.240
47	1:49	280-30282-C-5-A	Unknown		7/13/2012	9:18:33 P	1	0.04600	0.665
48	1:50	280-30282-C-6-A	Unknown		7/13/2012	9:19:49 P	1	0.04591	0.663
49	1:51	280-30282-C-7-A	Unknown		7/13/2012	9:21:04 P	1	0.04500	0.648
50	1:52	280-30282-C-8-A	Unknown		7/13/2012	9:22:19 P	1	0.05286	0.777
51	1:53	280-30282-C-9-A	Unknown		7/13/2012	9:23:34 P	1	0.04539	0.655
52	1:54	280-30754-A-1-A	Unknown		7/13/2012	9:24:50 P	1	2.93011	47.948
53	1:55	280-30754-A-2-A	Unknown		7/13/2012	9:26:05 P	1	0.18022	2.865
54	1:56	280-30754-A-2-B MS	Unknown		7/13/2012	9:27:20 P	1	0.38187	6.171
55	1:57	280-30754-A-2-C MSI	Unknown		7/13/2012	9:28:36 P	1	0.38262	6.183
56	1:58	W	Wash		7/13/2012	9:29:51 P	1	0.00000	-0.090
57	1:59	CCV	CCV		7/13/2012	9:31:06 P	1	0.31296	5.041
58	1:60	CCB	CCB		7/13/2012	9:32:22 P	1	0.02022	0.242
59	2:1	280-30754-A-3-A	Unknown		7/13/2012	9:33:37 P	1	0.93898	15.305
60	0	AutoWash	AutoWash		7/13/2012	9:34:52 P	1	0.00124	-0.069
61	0	AutoWash	AutoWash		7/13/2012	9:36:07 P	1	0.00000	-0.090
62	2:2	280-30754-A-4-A	Unknown		7/13/2012	9:37:23 P	1	0.29917	4.815
63	2:3	280-30754-A-5-A	Unknown		7/13/2012	9:38:38 P	1	0.17112	2.716

	›siti	Identifier	Type	Comm	Date	Time	otal	TKN Cor Ht	TKN mg/l
64	2:4	w	Blank		7/13/2012	9:39:53	1	0.00044	-0.082
65	2:5	280-30813-D-3-A	Unknown		7/13/2012	9:41:09	10	0.35123	56.687
66	2:6	280-30754-A-1-A	Unknown		7/13/2012	9:42:24	10	0.28136	45.231
67	2:7	w	Blank		7/13/2012	9:43:39	1	0.00058	-0.080
68	2:8	280-30754-A-3-A	Unknown		7/13/2012	9:44:55	2	0.39695	12.837
69	2:9	w	Blank		7/13/2012	9:46:10	1	0.00082	-0.076
70	2:10	CCV	CCV		7/13/2012	9:47:25	1	0.30291	4.876
71	2:11	CCB	CCB		7/13/2012	9:48:41	1	0.01872	0.217
72	0	AutoWash	AutoWash		7/13/2012	9:49:56	1	0.00011	-0.088
73	0	AutoWash	AutoWash		7/13/2012	9:51:11	1	0.00000	-0.090
74	2:12	w	Blank		7/13/2012	9:52:27	1	???	???
75	0	AutoWash	AutoWash		7/13/2012	9:53:42	1	???	???
76	0	AutoWash	AutoWash		7/13/2012	9:54:57	1	???	???


071312TKNA, 7/13/2012 - TKN
ABS
-0.05158
0.03050
0.11257
0.19465
0.27672
0.35880
0.44087
0.52295
0.60503
0.68710
0.76918
0:00
1:00
2:00
3:00
4:00
5:00
6:00
7:00
8:00
9:00
10:00
11:00
12:00
13:00
14:00
15:00
16:00
17:00
18:00
19:00
20:00
21:00
22:00
23:00
24:00
25:00
26:00
27:00
28:00
29:00
30:00
S:1 SYNC 10.127
S:2 CO -0.075
S:3 w -0.086
S:4 W -0.090
S:5 C1 0.311
S:6 C2 0.490
S:7 C3 1.155
S:8 C4 1.775
S:9 C5 4.979
S:10 C6 10.039
S:11 w -0.076
S:12 W -0.090
S:13 ICV 9.583
S:14 ICB 0.294
S:15 LCS 280-127752/1-A 5.750
S:16 LCSD 280-127752/2-A 5.743
S:17 MB 280-127752/3-A 0.266
S:18 280-30334-C-1-A 0.864
S:19 280-30334-C-1-B MS 3.229
S:20 280-30334-C-1-C MSD 3.233
S:21 CCV 4.941
S:22 CCB 0.291


071312TKNA, 7/13/2012 - TKN
ABS
-0.05158
0.03050
0.11257
0.19465
0.27672
0.35880
0.44087
0.52295
0.60503
0.68710
0.76918
S:23 280-30753-C-1-A 5.273
S:24 w -0.096
S:25 280-30334-C-2-A 0.804
S:26 280-30334-C-3-A 0.796
S:27 280-30334-C-4-A 0.813
S:28 280-30748-B-10-A 0.679
S:29 280-30748-B-14-A 0.626
S:30 280-30813-D-1-A 1.884
S:31 280-30813-D-3-A 48.900
S:32 w -0.002
S:33 CCV 4.949
S:34 CCB 0.287
S:35 LCS 280-127379/1-A 5.855
S:36 LCSD 280-127379/2-A 5.829
S:37 MB 280-127379/3-A 0.277
S:38 280-30282-C-1-A 0.834
S:39 280-30282-C-1-B MS 3.364
S:40 280-30282-C-1-C MSD 3.340
S:41 w -0.091
S:42 280-30282-C-2-A 0.639
S:43 280-30282-C-3-A 0.852
S:44 280-30282-C-4-A 0.564
S:45 CCV 4.972
S:46 CCB 0.240
31:00
32:00
33:00
34:00
35:00
36:00
37:00
38:00
39:00
40:00
41:00
42:00
43:00
44:00
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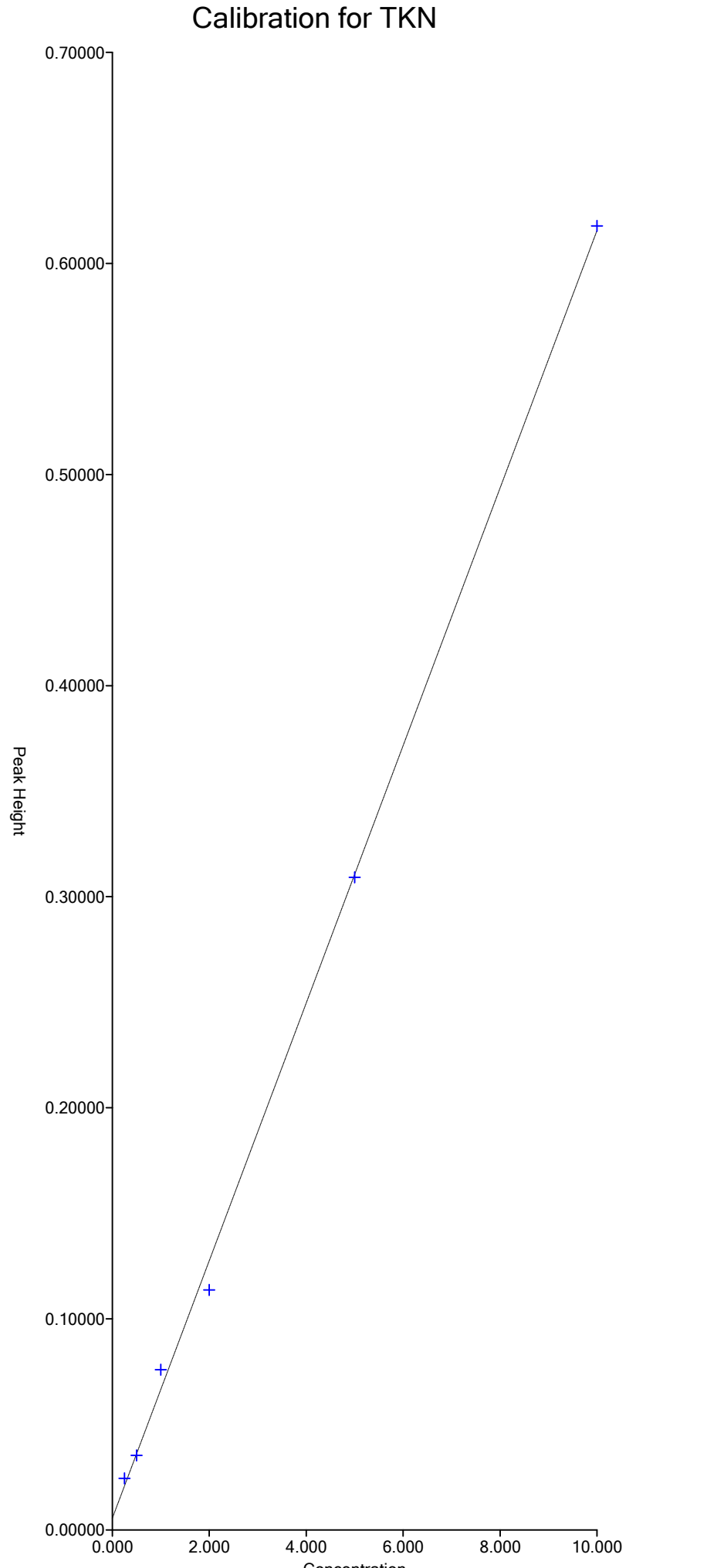

071312TKNA, 7/13/2012 - TKN
ABS
-0.05158
0.03050
0.11257
0.19465
0.27672
0.35880
0.44087
0.52295
0.60503
0.68710
0.76918
S:47 280-30282-C-5-A 0.665
S:48 280-30282-C-6-A 0.663
S:49 280-30282-C-7-A 0.648
S:50 280-30282-C-8-A 0.777
S:51 280-30282-C-9-A 0.655
S:52 280-30754-A-1-A 47.948
S:53 280-30754-A-2-A 2.865
S:54 280-30754-A-2-B MS 6.171
S:55 280-30754-A-2-C MSD 6.183
S:56 W -0.090
S:57 CCV 5.041
S:58 CCB 0.242
S:59 280-30754-A-3-A 15.305
S:60 AutoWash -0.069
S:61 AutoWash -0.090
S:62 280-30754-A-4-A 4.815
S:63 280-30754-A-5-A 2.716
S:64 w -0.082
S:65 280-30813-D-3-A 56.687
S:66 280-30754-A-1-A 45.231
S:67 w -0.080
S:68 280-30754-A-3-A 12.837
S:69 w -0.076
S:70 CCV 4.876
S:71 CCB 0.217
1:01:00
1:02:00
1:03:00
1:04:00
1:05:00
1:06:00
1:07:00
1:08:00
1:09:00
1:10:00
1:11:00
1:12:00
1:13:00
1:14:00
1:15:00
1:16:00
1:17:00
1:18:00
1:19:00
1:20:00
1:21:00
1:22:00
1:23:00
1:24:00
1:25:00
1:26:00
1:27:00
1:28:00
1:29:00
1:30:00
1:31:00



S:72 AutoWash -0.088

S:73 AutoWash -0.090

1:32:00
1:33:00
1:34:00
1:35:00
1:36:00
1:37:00
1:38:00
1:39:00
1:40:00
1:41:00
1:42:00
1:43:00
1:44:00
1:45:00
1:46:00
1:47:00
1:48:00
1:49:00
1:50:00
1:51:00
1:52:00
1:53:00
1:54:00
1:55:00
1:56:00
1:57:00
1:58:00
1:59:00
2:00:00
2:01:00



Segment 1: Equation: y = 0.06100x + 0.005464
Correlation: 0.9994
X Range = 0.000 to 10.000
Y Range = 0.00000 to 7.20000

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: COD 410.4 **SOP #** DV-WC-0018

Instrument: HACH Spec **Analyst:** M. Fayard **Analysis Date:** 6/16/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30117-1	Water	NA	124298	410.4	NA
280-30007-1	↓	↓	↓	↓	↓
280-29966-6					
280-29975-1					
280-29988-1					
280-30081-1-5					
280-30093-1					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			–
2. Correlation coefficient ≥ 0.995 ?	✓			–
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			–
4. ICB analyzed immediately after the ICV & results < the RL	✓			–
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			–
6. CCB analyzed after every CCV & results < RL?	✓			–
7. Absolute value of the intercept is < ± ½ the RL?			✓	–
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			–
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			–
3. All reported results bracketed by in control CCV results?	✓			–
4. Sample analyses done within holding time?	✓			–
5. Initial pH check documented for all samples? (If Applicable)	✓			–
6. Preparation benchsheet completed and included in package?			✓	–
7. Client requirements reviewed and met?	✓			–
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	–
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			–
11. Raw data copies prepared, scanned, and uploaded?	✓			–
12. Manual integrations done properly and initialed and dated?			✓	–
13. STD/True Value information is updated and included?	✓			–
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			–
2. Method blank < ½ RL or NCM provided?	✓			–
3. LCS/LCSD run for batch and within QC limits?	✓			–
4. MS/MSD run at required frequency and within limits or NCM written?	✓			–
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	–

Analyst: [signature] **Date:** 6/19/12

2nd Level Reviewer : [signature] **Date:** 6.20.12

Test Name/ Method #: COD 410.4 **SOP #** DV-WC-0018

Instrument: HACH SPEC **Analyst:** M. FAYARD **Analysis Date:** 6/16/12

Lot / Sample Numbers	Matrix	Batch	Method	Special Inst
280-30116-1	Water	124298	410.4	NA
280-29669-9, 19, 32, 42	↓	↓	↓	DOE
280-29669-52462				DOE

NA 6/19/12

Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: COD - 410.4 **SOP #** DV-WC-0018

Instrument: HACH Spec **Analyst:** M. Faynor **Analysis Date:** 6/26/12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280-30282-9	Water	NA	125624	410.4	Q4
280-30334-1-4	↓	↓	↓	↓	Q4
280-30335-1-6					Q4
	6/26/12				

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			—
2. Correlation coefficient ≥ 0.995 ?	✓			—
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			—
4. ICB analyzed immediately after the ICV & results < the RL	✓			—
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			—
6. CCB analyzed after every CCV & results < RL?	✓			—
7. Absolute value of the intercept is < ± ½ the RL?	✓			—
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?			✓	—
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?			✓	—
3. All reported results bracketed by in control CCV results?	✓			—
4. Sample analyses done within holding time?	✓			—
5. Initial pH check documented for all samples? (If Applicable)	✓			—
6. Preparation benchsheet completed and included in package?			✓	—
7. Client requirements reviewed and met?	✓			—
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	—
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
11. Raw data copies prepared, scanned, and uploaded?	✓			—
12. Manual integrations done properly and initialed and dated?			✓	—
13. STD/True Value information is updated and included?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?	✓			—
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	—

Analyst: [signature] **Date:** 6/26/12

2nd Level Reviewer : [signature] **Date:** 6/26/12

TestAmerica

Wet Chemistry Data Review Checklist
Direct Measurement Methods (pH, Conductance, etc.)

Test Name/Method #: Color **Analysis Date** 6 22 12

SOP #: DR WC 0058 **Analyst:** DA **Instrument:** Nessler tubes

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
280 30335/1-6	Water	NA	126227	21208	NA
280 30334/1-4	1	1	1	1	1
					DA 6 30 12

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the instrument properly standardized?	✓			✓
2. Second-source ICV analyzed immediately after instrument standardization & recovery ± 10% of true value?			✓	✓
3. ICB analyzed immediately after ICV & results < the RL?			✓	✓
4. CCV analyzed after every ten samples & recovery ± 10% of true value?			✓	✓
5. CCB analyzed after every CCV & all results < the RL?			✓	✓
B. Sample Results				
1. pH sample and duplicate within ± 0.1 units?			✓	✓
1. Are all sample dilutions appropriate and do associated RLs reflect required dilutions or limited sample volumes?	✓			✓
2. All reported results bracketed by in control CCV results?			✓	✓
3. Sample analyses done within holding time?	✓			✓
4. Preparation benchsheet completed and included in package (if applicable)?	✓			✓
5. Special client requirements reviewed and met?	✓			✓
6. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓			✓
7. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
8. STD/True Value information is updated and included?	✓			✓
9. Raw data copies prepared, scanned, and uploaded?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?			✓ DA	✓
4. Sample DUP run at required frequency and RPD within established limits?	✓			✓

Analyst: [signature] **Date:** 6 30 12

2nd Level Reviewer : [signature] **Date:** 7/3/12

5/18/10 Version 2
QA/Edit/Forms/Data Review\Direct Measurement Methods Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver Wet Chemistry Data Review Checklist
For Titration Methods

ANALYTE: Hardness ANALYST: AA ANALYSIS DATE: 7/17/12 SOP: WC-0060

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30282	W	N/A	128017	2340C	
30334	↓	↓	↓	↓	
30335	↓	↓	↓	↓	
30813	↓	↓	↓	↓	

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the normality of the titrant verified and found acceptable?	✓			—
B. Sample Results				
1. Are all sample dilutions appropriate and do associated RLs/MDLs reflect required dilutions or limited sample volume?	✓			—
2. All reported results bracketed by in control CCV/CCB?	✓		✓	—
3. Sample analyses done within holding time?	✓			—
4. Initial pH check documented for all samples (if required)?			✓	—
5. Preparation benchsheet completed and included in package (if applicable)?	✓			—
6. Special client requirements checked?	✓			—
7. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures? (If Applicable)	✓			—
8. Do the prep and analysis dates in TALS reflect the actual dates?	✓			—
9. STD/True Value information is updated and included?	✓			—
10. Raw data copies prepared, scanned, and uploaded?	✓			—
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			—
2. Method blank < ½ RL or NCM provided?	✓			—
3. LCS/LCSD run for batch and within QC limits?	✓			—
4. MS/MSD run at required frequency and within limits or NCM written?	✓			—
5. DUP run at required frequency and RPD within 20% or NCM written?			✓	—

Analyst: _____ **Date:** 7/17/12

Comments: _____

2nd Level Reviewer : _____ **Date:** 7/17/12

Comments: _____

7/17

HARDNESS BY TITRATION

Analyst:	AA	**Titration Solutions**		**SOP Information:**	**Rep. / Detection Limits**
Date:	7/17/2012	Solution 1:	EDTA	Number: DV-WC-0060	MDL 0
QC Batch:		Source:	RICCA	Revision: No.3 05/10	Rep. Limit 2
MS Run:		LOT#	_00010	**Calibration Information**	
Time:9:30		Normality:	0.01980	Std# Hard 00021	
2340C		Exp. Date:	7/31/2013	Lot #	
		Std#	22	Made By: LabChem	
Pipette Verification	4.97			Concentration:1000	
at 5mls:		5000n		Exp: 3/11/13	
Brinkmann bottletop		5000x		DCS True Value: 400.00	
Buret 50				Spike True Value: 200.00	

Lot Number	Work Order	Sample Volume	Buret Start	Buret Stop	Flags	Final mL	Concentratn mg/L	Prep D.F.	Analyt. D.F.	Final Conc mg/L	% Rec.
	titrant stdz	10	0.00	10.13		10.13	1002.979	1	1	1002.98	0.01974
	titrant stdz	10	0.00	10.07		10.07	997.038	1	1	997.04	0.01986
	MB	25	0.00	0.00		0.00	0.000	1	1	0.00	
	LCS	25	0.00	10.05		10.05	398.023	1	1	398.02	
	LCS	25	0.00	10.11		10.11	400.400	1	1	400.40	
280-30282-E-1	X	25	0.00	11.68		11.68	462.578	1	1	462.58	
280-30282-E-1 MS	X	25	0.00	21.42		21.42	848.324	1	1	848.32	
280-30282-E-1 MSD	X	25	0.00	21.87		21.87	866.146	1	1	866.15	
280-30282-E-2	X	25	0.00	2.34		2.34	92.674	1	1	92.67	
280-30282-E-3	X	25	0.00	1.88		1.88	74.456	1	1	74.46	
280-30282-E-4	X	25	0.00	7.79		7.79	308.518	1	1	308.52	
280-30282-E-5	X	25	0.00	10.32		10.32	408.716	1	1	408.72	
280-30282-E-6	x	25	0.00	10.47		10.47	414.657	1	1	414.66	
280-30282-E-7	x	25	0.00	4.33		4.33	171.487	1	1	171.49	
280-30282-E-8	x	25	0.00	7.67		7.67	303.765	1	1	303.77	
280-30282-E-9	x	25	0.00	0.00		0.00	0.000	1	1	0.00	
280-30334-E-1	x	25	0.00	7.62		7.62	301.785	1	1	301.78	
280-30334-E-2	x	25	0.00	7.81		7.81	309.310	1	1	309.31	
280-30334-E-3	x	25	0.00	5.86		5.86	232.081	1	1	232.08	
280-30334-E-4	x	25	0.00	4.01		4.01	158.813	1	1	158.81	
280-30335-E-1	x	25	0.00	9.55		9.55	378.221	1	1	378.22	
280-30335-E-2	x	25	0.00	8.10		8.10	320.795	1	1	320.79	
280-30335-E-3	x	25	0.00	11.83		11.83	468.519	1	1	468.52	
280-30335-E-4	x	25	0.00	4.85		4.85	192.081	1	1	192.08	
280-30335-E-5	x	25	0.00	4.58		4.58	181.388	1	1	181.39	
280-30335-E-6	x	25	0.00	0.00		0.00	0.000	1	1	0.00	
280-30813-I-3	x	25	0.00	10.80		10.80	427.727	1	1	427.73	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x		0.00			0.00	#DIV/0!	1	1	#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	
	x					0.00	#DIV/0!			#DIV/0!	

Buffer:	Hardness Buffer _00012	
Exp:	10 18 12	
Calmagit	_00001	Exp:06/22/13

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/22/2012 8:47:42 AM by WETCHEMD
#Samples: 50 Last Update: 6/25/2012 7:09:09 PM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time	Weight
1	RT CHECK	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:14:11 PM	1.0000
2	cal1	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:31:00 PM	1.0000
3	cal2	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:47:48 PM	1.0000
4	cal3	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:04:36 PM	1.0000
5	cal4	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:21:25 PM	1.0000
6	cal5	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:38:13 PM	1.0000
7	cal6	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:55:01 PM	1.0000
8	BLK	Unknown	6	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:11:49 PM	1.0000
9	ICV STD#00816	Unknown	201	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:28:37 PM	1.0000
10	ICB	Unknown	186	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:45:26 PM	1.0000
11	ICV STD#00821	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:34:16 AM	1.0000
12	ICB	Unknown	187	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:55:13 AM	1.0000
13	MRL 0.05	Unknown	202	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 9:12:01 AM	1.0000
14	MRL 0.02	Unknown	203	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 9:28:49 AM	1.0000
15	LCS STD#00821	Unknown	194	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 9:45:38 AM	1.0000
16	LCSD	Unknown	193	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 10:02:26 AM	1.0000
17	MB	Unknown	143	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 10:33:42 AM	1.0000
18	280-30335-b-1	Unknown	139	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 11:55:02 AM	1.0000
19	280-30335-b-2	Unknown	175	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:11:50 PM	1.0000
20	DU 280-30335-b-2	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:28:39 PM	1.0000
21	MS 280-30335-b-2	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:45:27 PM	1.0000
22	MSD 280-30335-b-2	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 1:02:15 PM	1.0000
23	280-30335-b-3	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 1:19:03 PM	1.0000
24	280-30335-b-4	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 1:35:51 PM	1.0000
25	280-30335-b-5	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 1:52:39 PM	1.0000
26	280-30335-b-6	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 2:09:28 PM	1.0000
27	280-30328-a-1 5X	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 2:26:16 PM	1.0000
28	CCV	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 2:43:04 PM	1.0000
29	CCB	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 2:59:52 PM	1.0000
30	280-30328-a-2	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 3:16:41 PM	1.0000
31	280-30334-b-1	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 3:33:29 PM	1.0000
32	280-30334-b-2	Unknown	411	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 3:50:17 PM	1.0000
33	280-30334-b-3	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 4:07:06 PM	1.0000
34	280-30334-b-4	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 4:23:54 PM	1.0000
35	DU 280-30334-b-4	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 4:40:42 PM	1.0000
36	280-30338-a-4 2X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 4:57:30 PM	1.0000
37	280-30338-a-33	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 5:14:19 PM	1.0000
38	280-30338-a-38	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 5:31:06 PM	1.0000
39	280-30328-a-1 100X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 5:47:55 PM	1.0000
40	CCV	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 6:04:43 PM	1.0000
41	CCB	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 6:21:31 PM	1.0000
42	280-30361-a-1	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 6:38:19 PM	1.0000
43	280-30334-b-1 5x	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 6:55:08 PM	1.0000
44	280-30334-b-2 5x	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 7:11:56 PM	1.0000

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/22/2012 8:47:42 AM by WETCHEMD
#Samples: 50 Last Update: 6/25/2012 7:09:09 PM by WETCHEMD

No.	Name	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	RT CHECK	1.0000	1.0000	100		EMK
2	cal1	1.0000	1.0000	101		EMK
3	cal2	1.0000	1.0000	102		EMK
4	cal3	1.0000	1.0000	103		EMK
5	cal4	1.0000	1.0000	104		EMK
6	cal5	1.0000	1.0000	105		EMK
7	cal6	1.0000	1.0000	106		EMK
8	BLK	1.0000	1.0000	107		EMK
9	ICV STD#00816	1.0000	1.0000	108		EMK
10	ICB	1.0000	1.0000	109		EMK
11	ICV STD#00821	1.0000	1.0000	110		EMK
12	ICB	1.0000	1.0000	111		EMK
13	MRL 0.05	1.0000	1.0000	112		EMK
14	MRL 0.02	1.0000	1.0000	113		EMK
15	LCS STD#00821	1.0000	1.0000	114		EMK
16	LCSD	1.0000	1.0000	115		EMK
17	MB	1.0000	1.0000	116		EMK
18	280-30335-b-1	1.0000	1.0000	117		EMK
19	280-30335-b-2	1.0000	1.0000	118		EMK
20	DU 280-30335-b-2	1.0000	1.0000	119		EMK
21	MS 280-30335-b-2	1.0000	1.0000	120		EMK
22	MSD 280-30335-b-2	1.0000	1.0000	121		EMK
23	280-30335-b-3	1.0000	1.0000	122		EMK
24	280-30335-b-4	1.0000	1.0000	123		EMK
25	280-30335-b-5	1.0000	1.0000	124		EMK
26	280-30335-b-6	1.0000	1.0000	125		EMK
27	280-30328-a-1 5X	5.0000	1.0000	126		EMK
28	CCV	1.0000	1.0000	127		EMK
29	CCB	1.0000	1.0000	128		EMK
30	280-30328-a-2	1.0000	1.0000	129		EMK
31	280-30334-b-1	1.0000	1.0000	130		EMK
32	280-30334-b-2	1.0000	1.0000	131		EMK
33	280-30334-b-3	1.0000	1.0000	132		EMK
34	280-30334-b-4	1.0000	1.0000	133		EMK
35	DU 280-30334-b-4	1.0000	1.0000	134		EMK
36	280-30338-a-4 2X	2.0000	1.0000	135		EMK
37	280-30338-a-33	1.0000	1.0000	136		EMK
38	280-30338-a-38	1.0000	1.0000	137		EMK
39	280-30328-a-1 100X	100.0000	1.0000	138		EMK
40	CCV	1.0000	1.0000	139		EMK
41	CCB	1.0000	1.0000	140		EMK
42	280-30361-a-1	1.0000	1.0000	141		EMK
43	280-30334-b-1 5x	5.0000	1.0000	142		EMK
44	280-30334-b-2 5x	5.0000	1.0000	143		EMK

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/22/2012 8:47:42 AM by WETCHEMD
#Samples: 50 Last Update: 6/25/2012 7:09:09 PM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time	Weight
45	280-30338-a-4 50x	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 7:28:44 PM	1.0000
46	280-30338-a-33 10x	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 7:45:33 PM	1.0000
47	280-30338-a-38 5x	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:02:21 PM	1.0000
48	CCV	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:19:09 PM	1.0000
49	CCB	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:35:57 PM	1.0000
50	END	Unknown	421	10.0	stop	7 ANION AS11	Finished	6/22/2012 8:52:46 PM	1.0000

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/22/2012 8:47:42 AM by WETCHEMD
#Samples: 50 Last Update: 6/25/2012 7:09:09 PM by WETCHEMD

No.	Name	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
45	280-30338-a-4 50x	50.0000	1.0000	144		EMK
46	280-30338-a-33 10x	10.0000	1.0000	145		EMK
47	280-30338-a-38 5x	5.0000	1.0000	146		EMK
48	CCV	1.0000	1.0000	147		EMK
49	CCB	1.0000	1.0000	148		EMK
50	END	1.0000	1.0000	149		EMK

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

	Pressure.LowerLimit =	200 [psi]
	Pressure.UpperLimit =	3000 [psi]
	%A.Equate =	"DI H2O"
	CR_TC =	On
	Pump_InjectValve.State	LoadPosition
	Data_Collection_Rate =	5.0 [Hz]
	CellTemperature.Nominal =	35.0 [°C]
	ColumnTemperature.Nominal =	30.0 [°C]
	Suppressor_Type =	ASRS_4mm
	; Pump_ECD.Hydroxide =	50.0
	; Pump_ECD.Recommended Current =	124
	; Pump_ECD.Carbonate =	0.0
	; Pump_ECD.Bicarbonate =	0.0
	; Pump_ECD.Tetraborate =	0.0
	; Pump_ECD.Other eluent =	0.0
	Suppressor_Current =	125 [mA]
	Flow =	1.00 [ml/min]
-2.700	Pump_ECD_Relay_1.Open	Duration=0.01
	Concentration =	10.00 [mM]
	Curve =	5
-2.500	Pump_ECD_Relay_1.Closed	Duration=0.01
0.000	Autozero	
	ECD_1.AcqOn	
	Pump_InjectValve.InjectPosition	Duration=720.00
7.500	Concentration =	10.00 [mM]
	Curve =	5
10.500	Concentration =	40.00 [mM]
	Curve =	5
10.600	Concentration =	50.00 [mM]
	Curve =	5
12.500	Concentration =	50.00 [mM]
	Curve =	5
12.600	Concentration =	10.00 [mM]
	Curve =	5
13.000	Concentration =	10.00 [mM]

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Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Curve =                          5

14.000     ECD_1.AcqOff
           End
```

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ
Timebase: ICS-8
Created: 3/20/2008 10:44:59 AM by kudlae
Changed: 3/31/2008 10:13:48 AM by kudlae

No.	Channel	Operation	Parameters

Title: Stop
Datasource: D3YCYMF1_local Created: 3/11/2008 4:10:47 PM by Test America Labs
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ
Timebase: ICS-8 Changed: 3/11/2008 4:10:47 PM by Test America Labs

```
           ColumnTemperature =                Off
           CellTemperature.Nominal =          Off
; Pump_ECD.Hydroxide =                        50.0
; Pump_ECD.Recommended Current =              124
; Pump_ECD.Carbonate =                        0.0
; Pump_ECD.Bicarbonate =                      0.0
; Pump_ECD.Tetraborate =                      0.0
; Pump_ECD.Other eluent =                     0.0
           Pressure.LowerLimit =              200
           Pressure.UpperLimit =              3000
           %A.Equate =                        "DI H2O"
           CR_TC =                            Off
           ;LoadPosition
           Data_Collection_Rate =             5.0
           Suppressor_Type =                  ASRS_4mm
           Suppressor_Current =               124
           Suppressor_Mode =                  Off
           ECD_Total.Step =                   0.50
           ECD_Total.Average =                Off
           Channel_Pressure.Step =            0.50
           Channel_Pressure.Average =         Off

           Pump_ECD_Relay_1.Open
           Concentration =                    10.00
           Curve =                            5

           Pump_ECD_Relay_1.State             Open
           Mode =                             Off
           Flow =                             1.00

 0.000     off

           End
```

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Title: Stop
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ
Timebase: ICS-8
Created: 3/11/2008 4:10:47 PM by Test America Labs
Changed: 3/11/2008 4:10:47 PM by Test America Labs

No.	Channel	Operation	Parameters

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Blank Run Subtraction: No Blank Run Subtraction

Detection Table:

No.	Ret. Time [min]	Param. Name	Param. Value	Channel
1	0.000	Minimum Area	0.5E-3 "[Signal]*min"	All Channels
2	0.000	Sensitivity	0.8E-3 "[Signal]"	All Channels
3	0.000	Inhibit Integration	On	All Channels
4	0.000	Valley to Valley	On	All Channels
5	0.000	Fronting Sensitivity Factor	5.0	All Channels
6	0.000	Tailing Sensitivity Factor	6.0	All Channels
7	1.500	Void Volume Treatment	On	All Channels
8	1.500	Inhibit Integration	Off	All Channels
9	1.800	Void Volume Treatment	Off	All Channels
10	2.000	Maximum Width	0.75 min	All Channels
11	8.200	Inhibit Integration	On	All Channels
12	11.000	Inhibit Integration	Off	All Channels

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Group	Comment	Amount BLK	Amount cal1
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*		*Autogenerated*	*0.000000*	*0.200000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Amount cal2	Amount cal3	Amount cal4	Amount cal5	Amount cal6
1	*Fluoride*	*1.900 min*	*0.500000*	*1.000000*	*4.000000*	*8.000000*	*10.000000*
2	Acetate	2.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
3	Chloride	3.300 min	2.500000	5.000000	20.000000	40.000000	50.000000
4	Nitrite	3.800 min	0.500000	1.000000	4.000000	8.000000	10.000000
5	Bromide	6.300 min	0.500000	1.000000	4.000000	8.000000	10.000000
6	Nitrate	7.000 min	0.500000	1.000000	4.000000	8.000000	10.000000
7	Sulfate	11.400 min	2.500000	5.000000	20.000000	40.000000	50.000000
8	Ortho as P	12.600 min	0.500000	1.000000	4.000000	8.000000	10.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Left Limit	Right Limit	Group	Resp.Fact.
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*	*0.000*	*0.000*		*1.000000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Comment
1	*Fluoride*	*1.900 min*	*Autogenerated*
2	Acetate	2.700 min	Autogenerated
3	Chloride	3.300 min	Autogenerated
4	Nitrite	3.800 min	Autogenerated
5	Bromide	6.300 min	Autogenerated
6	Nitrate	7.000 min	Autogenerated
7	Sulfate	11.400 min	Autogenerated
8	Ortho as P	12.600 min	Autogenerated

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Smp.No.	Pos.	Inj. Vol.	Weight	ISTD Amount	Dil. Factor	Inj. Date/Time	Sample Comment
1	☒	cal1	2	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:31:	EMK
2	☒	cal2	3	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:47:	EMK
3	☒	cal3	4	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:04:	EMK
4	☒	cal4	5	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:21:	EMK
5	☒	cal5	6	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:38:	EMK
6	☒	cal6	7	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:55:	EMK

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Calib.	Comment
1	☒	cal1	Ok	
2	☒	cal2	Ok	
3	☒	cal3	Ok	
4	☒	cal4	Ok	
5	☒	cal5	Ok	
6	☒	cal6	Ok	

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Sample Condition	Test Condition	Aggregate	Operator	Value	Channel	Peak	N.A.
1									

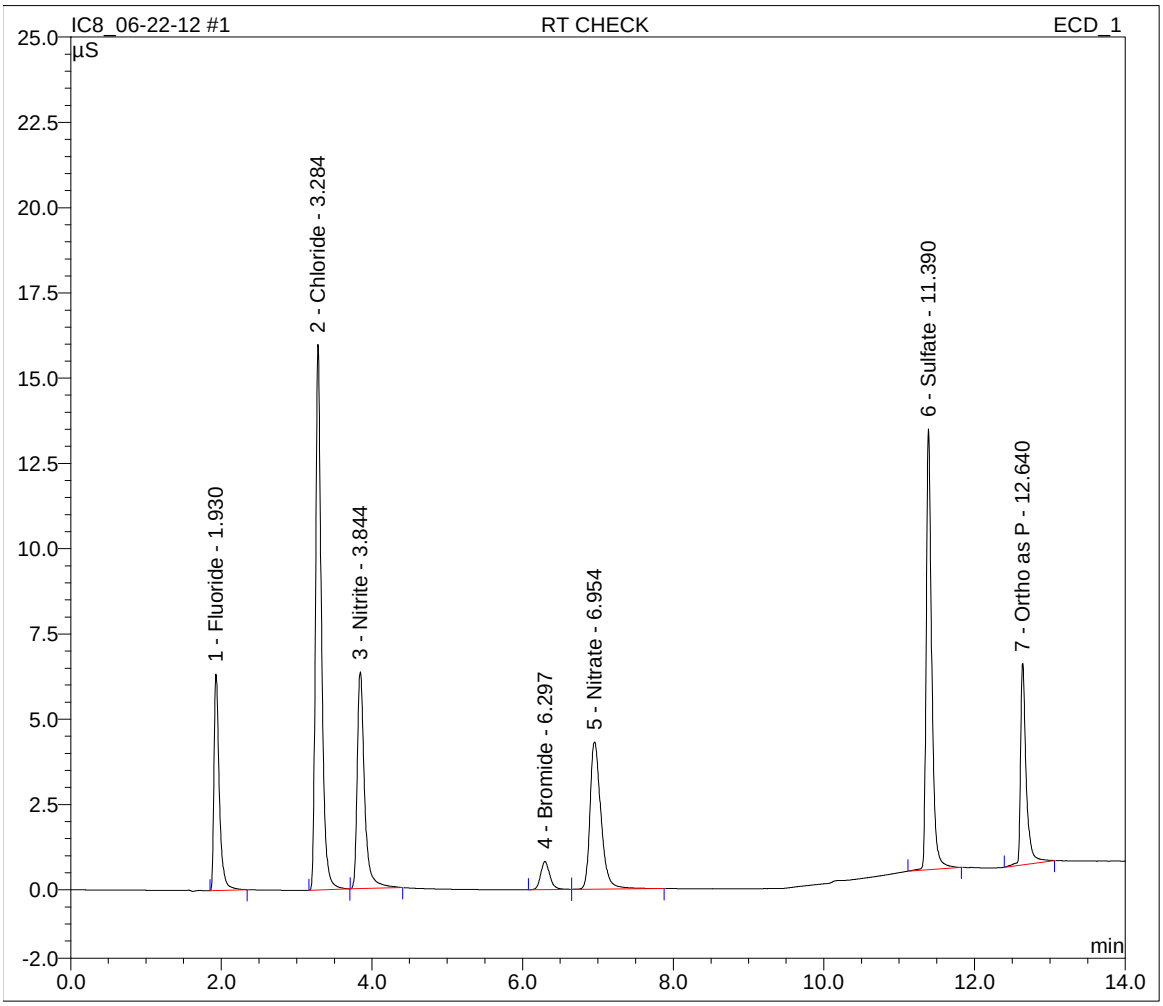
Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Fail-Action	Result	SST Message	Rounding
1					

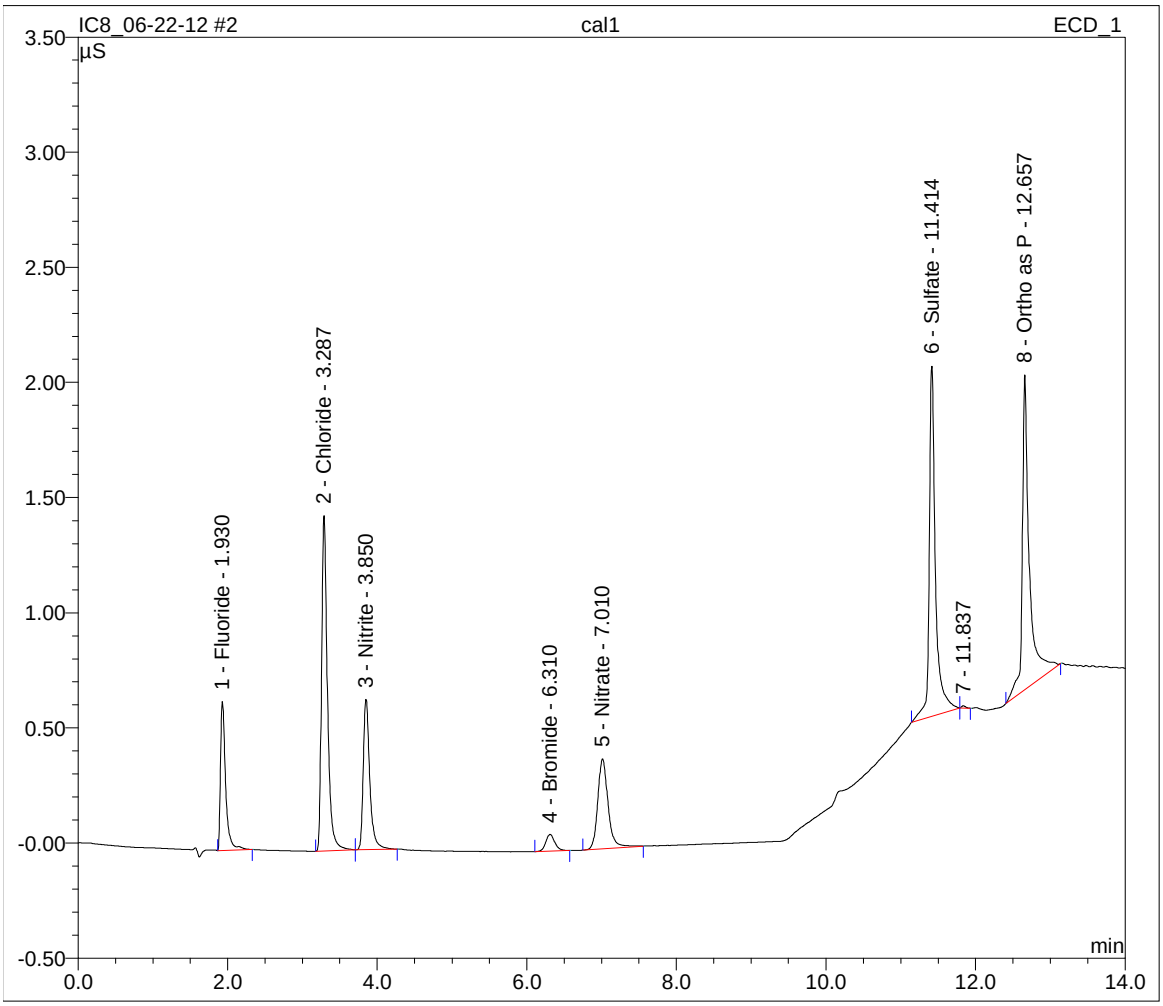
Sample Name:	**RT CHECK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.351	2.1852
2	3.28	Chloride	BMB	1.472	15.998	10.8467
3	3.84	Nitrite	BMB	0.714	6.365	1.9734
4	6.30	Bromide	BMB	0.115	0.825	2.0316
5	6.95	Nitrate	bMB	0.726	4.315	2.1359
6	11.39	Sulfate	BMB	1.098	12.924	10.0120
7	12.64	Ortho as P	BMB	0.504	5.904	2.0466
TOTAL:				5.14	52.68	31.23



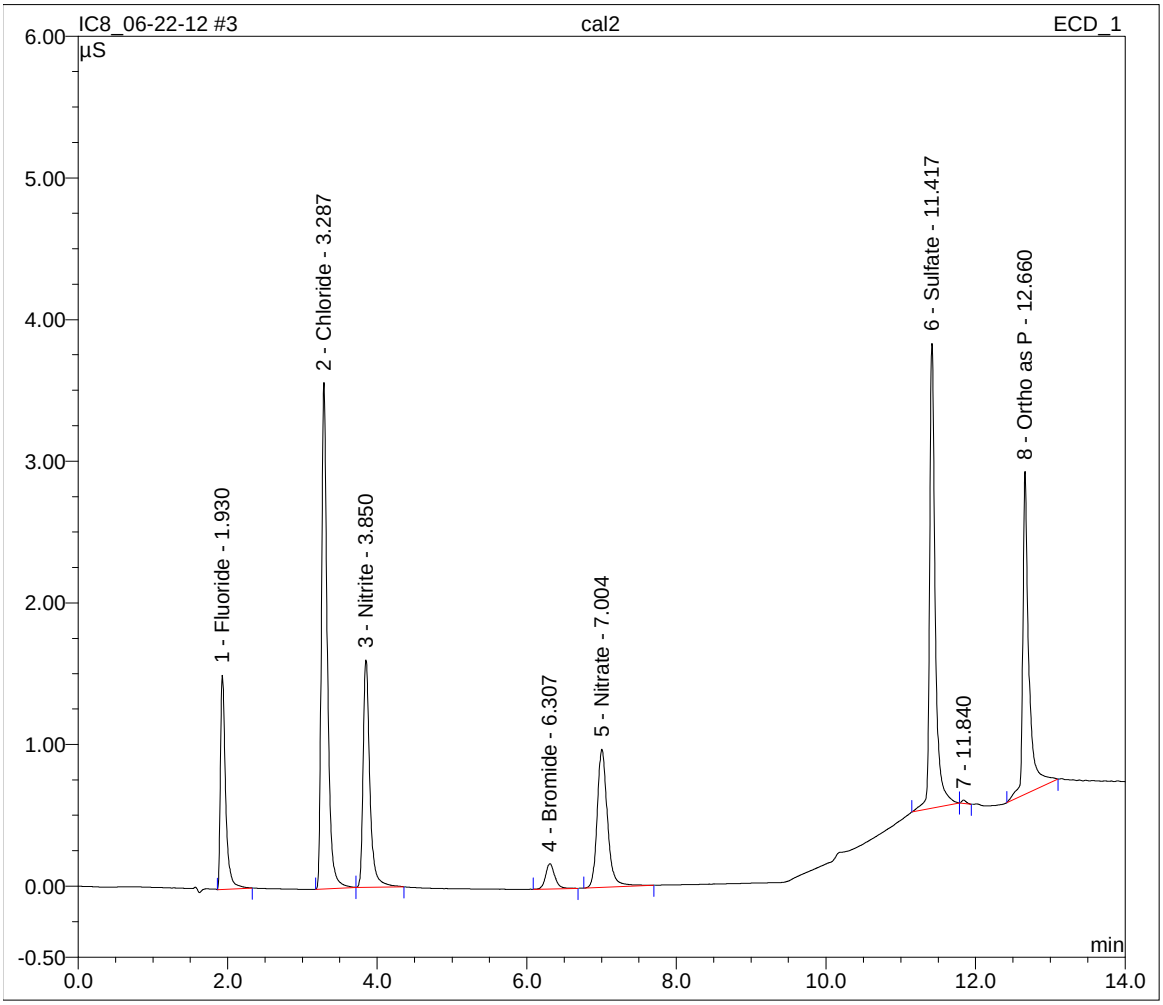
Sample Name:	**cal1**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:31**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.051	0.646	0.1970
2	3.29	Chloride	BMb	0.133	1.457	1.0400
3	3.85	Nitrite	bMB	0.066	0.652	0.2124
4	6.31	Bromide	BMB	0.010	0.073	0.2222
5	7.01	Nitrate	BMB	0.062	0.391	0.2154
6	11.41	Sulfate	BMb	0.146	1.521	1.0815
8	12.66	Ortho as P	BMB	0.151	1.367	0.1743
		TOTAL:		0.62	6.11	3.14



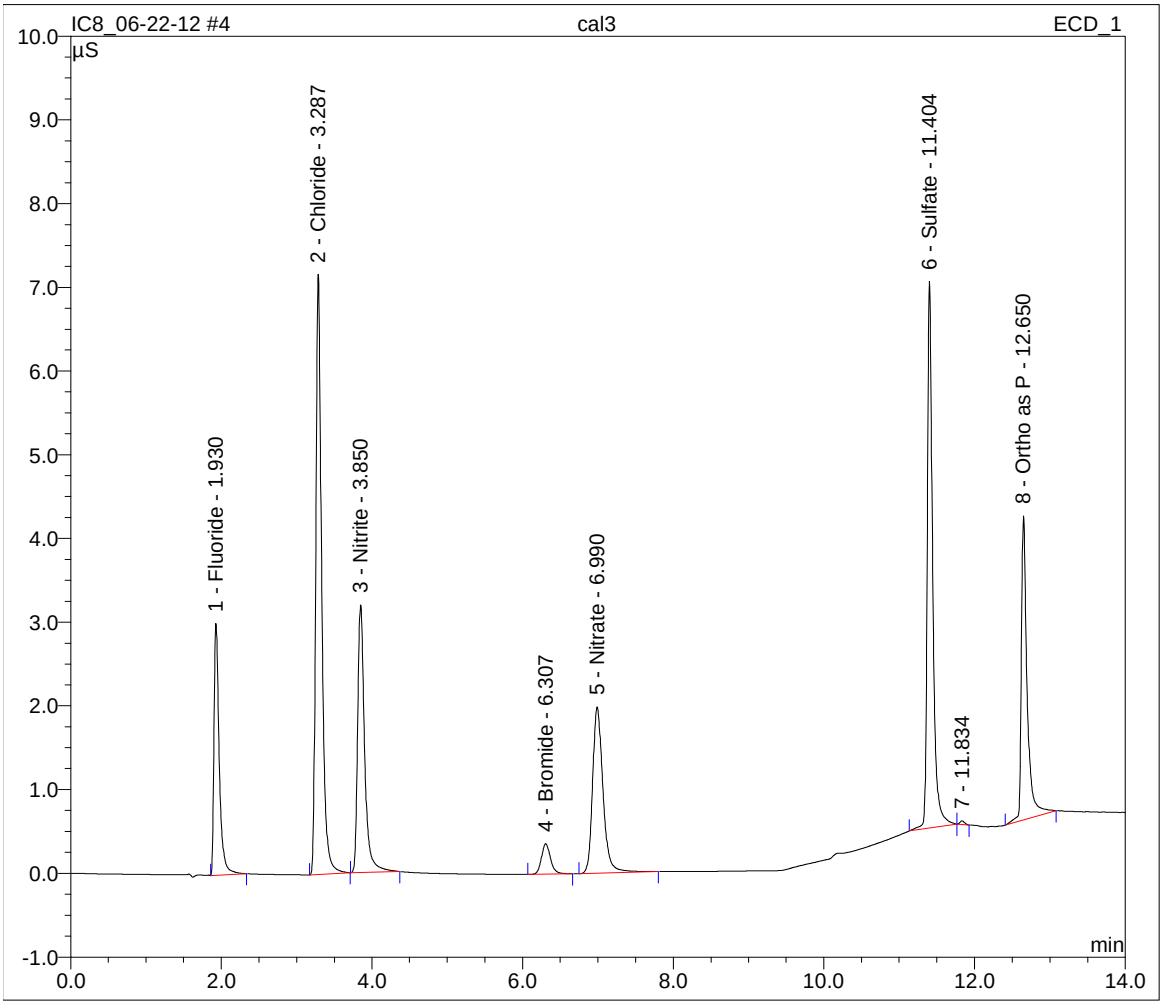
Sample Name:	**cal2**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.120	1.512	0.4922
2	3.29	Chloride	BMB	0.327	3.574	2.4601
3	3.85	Nitrite	BMB	0.167	1.604	0.4861
4	6.31	Bromide	BMB	0.025	0.178	0.4845
5	7.00	Nitrate	BMB	0.155	0.975	0.4831
6	11.42	Sulfate	BMb	0.284	3.282	2.3745
8	12.66	Ortho as P	BMB	0.216	2.278	0.5210
		TOTAL:		1.29	13.40	7.30



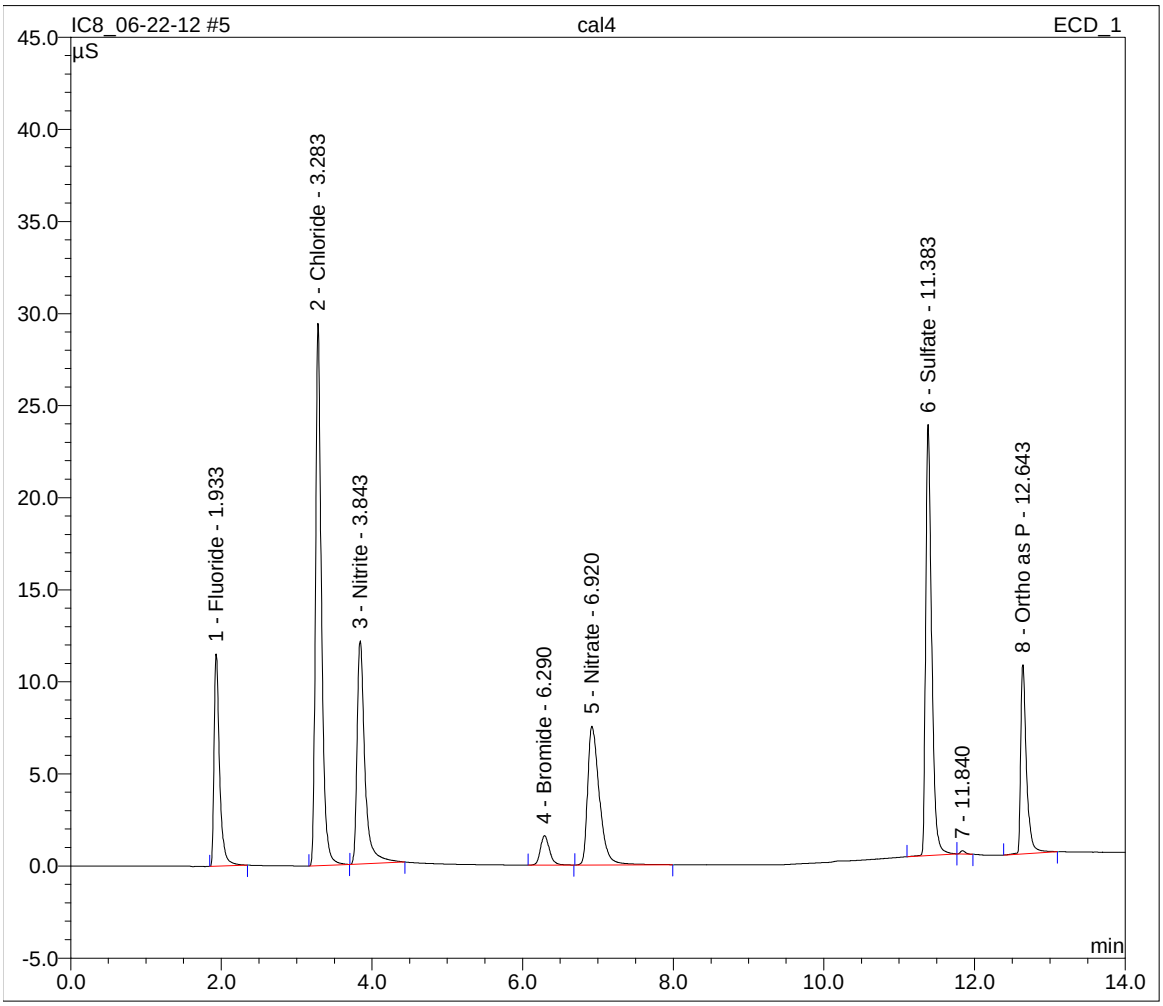
Sample Name:	**cal3**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.241	3.009	1.0119
2	3.29	Chloride	BMB	0.657	7.169	4.8803
3	3.85	Nitrite	BMB	0.341	3.199	0.9611
4	6.31	Bromide	BMB	0.051	0.365	0.9278
5	6.99	Nitrate	BMB	0.319	1.985	0.9575
6	11.40	Sulfate	BMb	0.545	6.532	4.8185
8	12.65	Ortho as P	BMB	0.320	3.633	1.0722
		TOTAL:		2.47	25.89	14.63



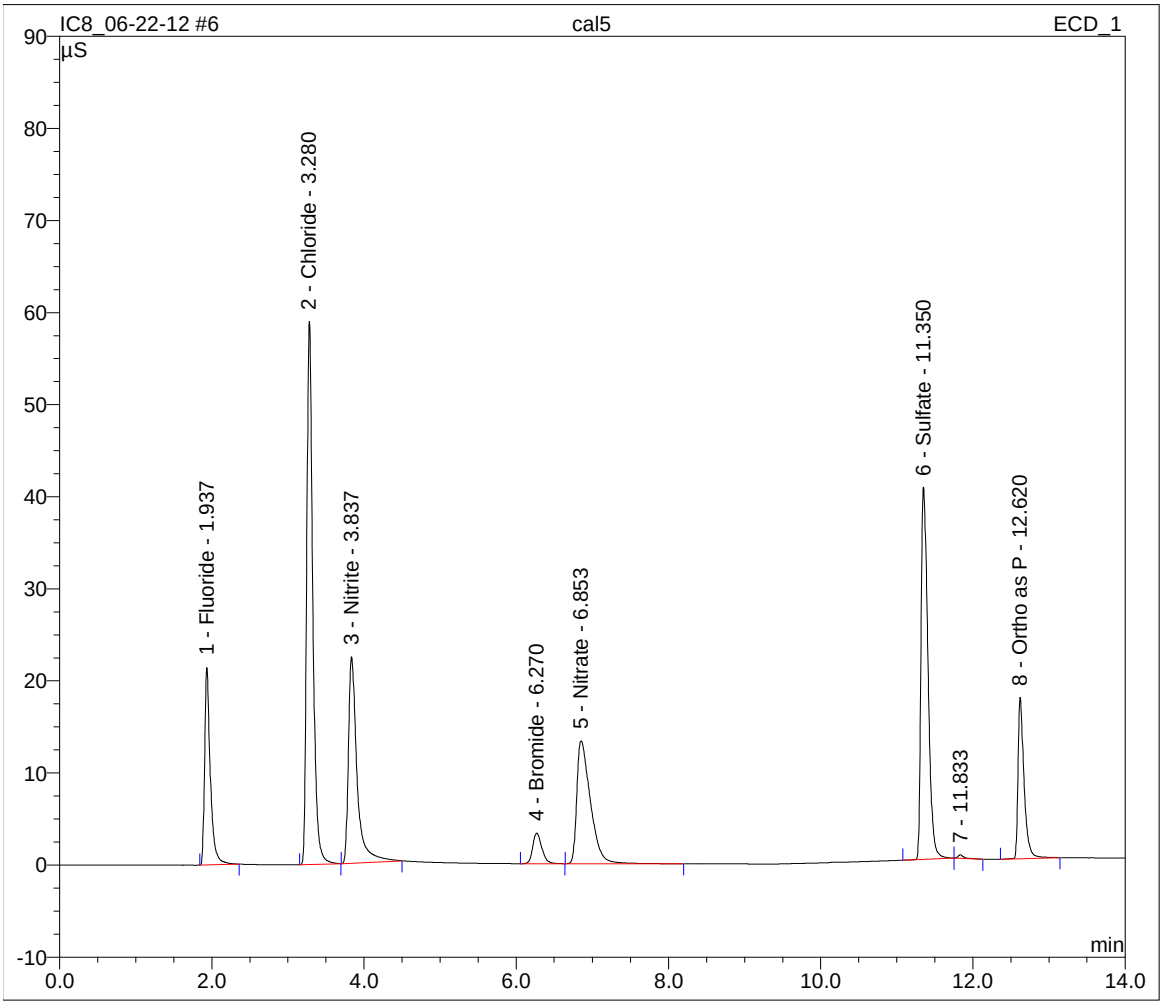
Sample Name:	**cal4**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.966	11.542	4.1247
2	3.28	Chloride	BMB	2.709	29.464	19.9102
3	3.84	Nitrite	BMB	1.456	12.120	3.9932
4	6.29	Bromide	BMB	0.223	1.604	3.8991
5	6.92	Nitrate	BMB	1.357	7.526	3.9629
6	11.38	Sulfate	BMb	2.162	23.410	20.0013
8	12.64	Ortho as P	BMB	0.901	10.280	4.1462
TOTAL:				9.77	95.95	60.04



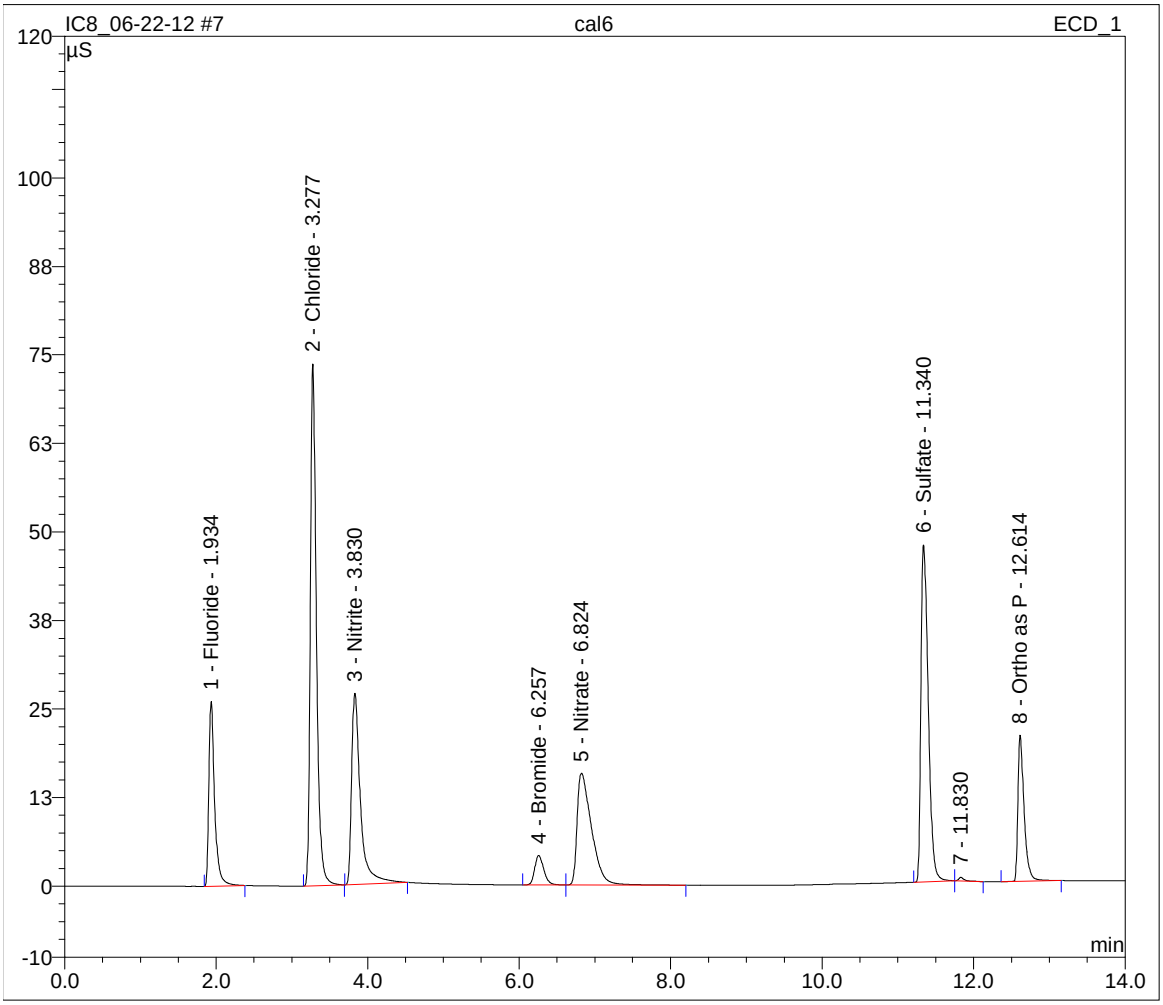
Sample Name:	**cal5**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	1.868	21.466	8.0002
2	3.28	Chloride	BMB	5.457	59.008	40.0443
3	3.84	Nitrite	BMB	2.954	22.426	8.0660
4	6.27	Bromide	BMB	0.462	3.324	8.0345
5	6.85	Nitrate	BMB	2.759	13.322	8.0199
6	11.35	Sulfate	BMb	4.302	40.425	40.0890
8	12.62	Ortho as P	BMB	1.622	17.507	7.9642
		TOTAL:		19.42	177.48	120.22



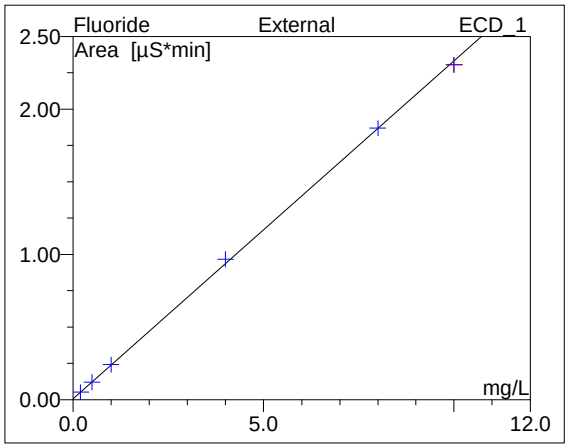
Sample Name:	**cal6**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:55**	*Run Time:*	**14.00**

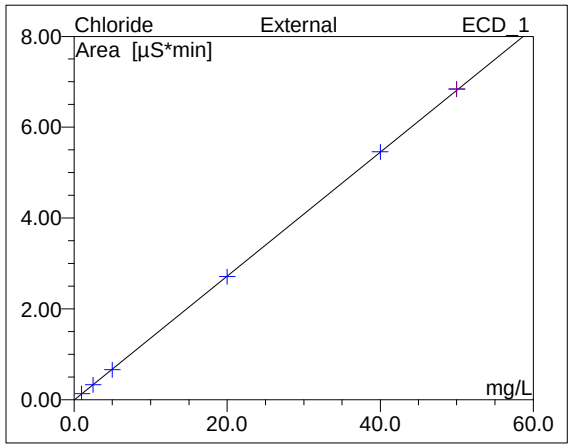
No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	2.304	26.065	9.8741
2	3.28	Chloride	BMB	6.838	73.679	50.1651
3	3.83	Nitrite	BMB	3.658	26.975	9.9812
4	6.26	Bromide	BMB	0.583	4.171	10.1319
5	6.82	Nitrate	BMB	3.465	15.767	10.0612
6	11.34	Sulfate	BMb	5.373	47.566	50.1352
8	12.61	Ortho as P	BMB	1.973	20.624	9.8221
		TOTAL:		24.19	214.85	150.17

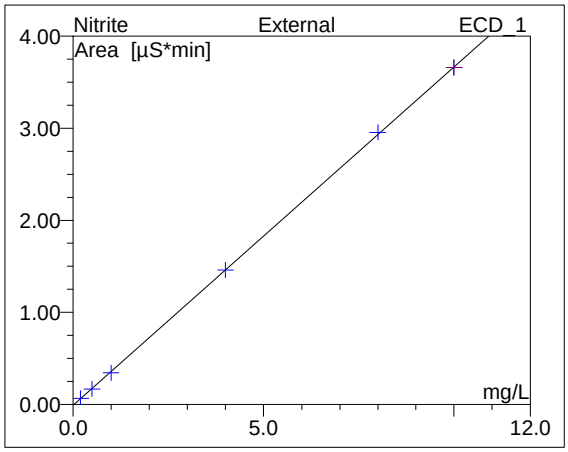


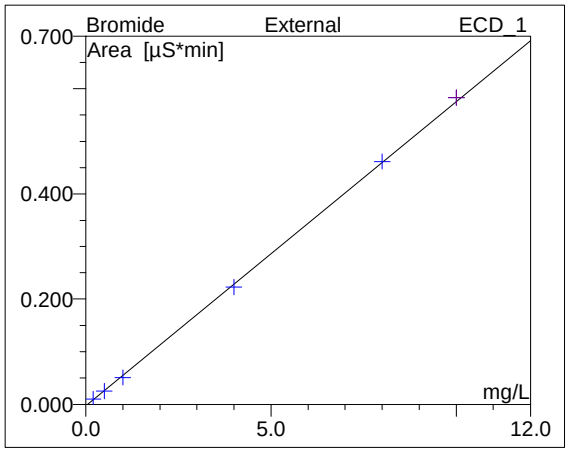
Calibration Batch Report

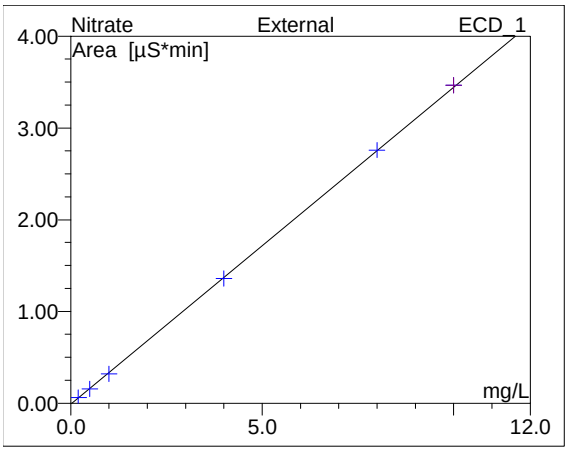
Sequence:	**IC8_06-22-12**	Inj. Vol.:	**10.0**
Program:	**7 Anion**	Operator:	**DENPC241**
Inj. Date/Time:	**06/18/12 14:55**	Run Time:	**14.00**

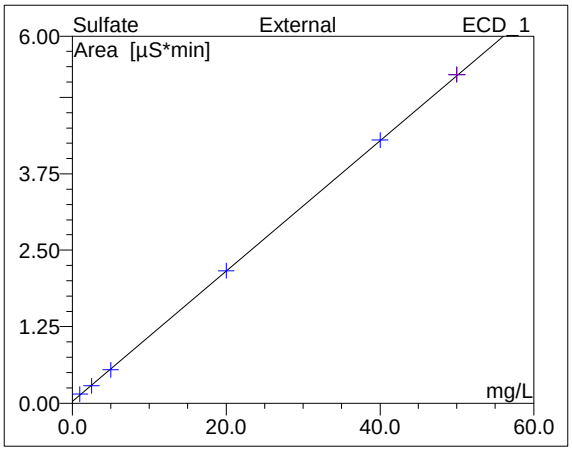




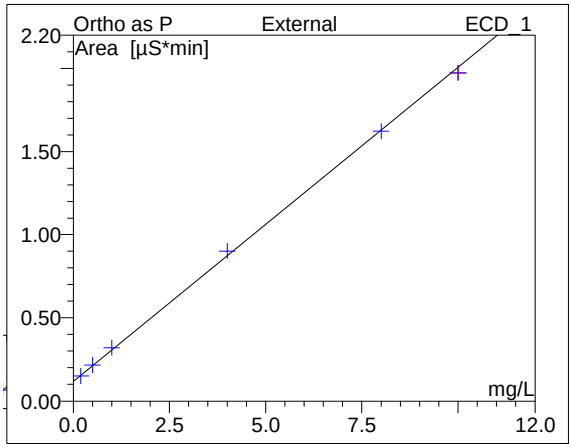








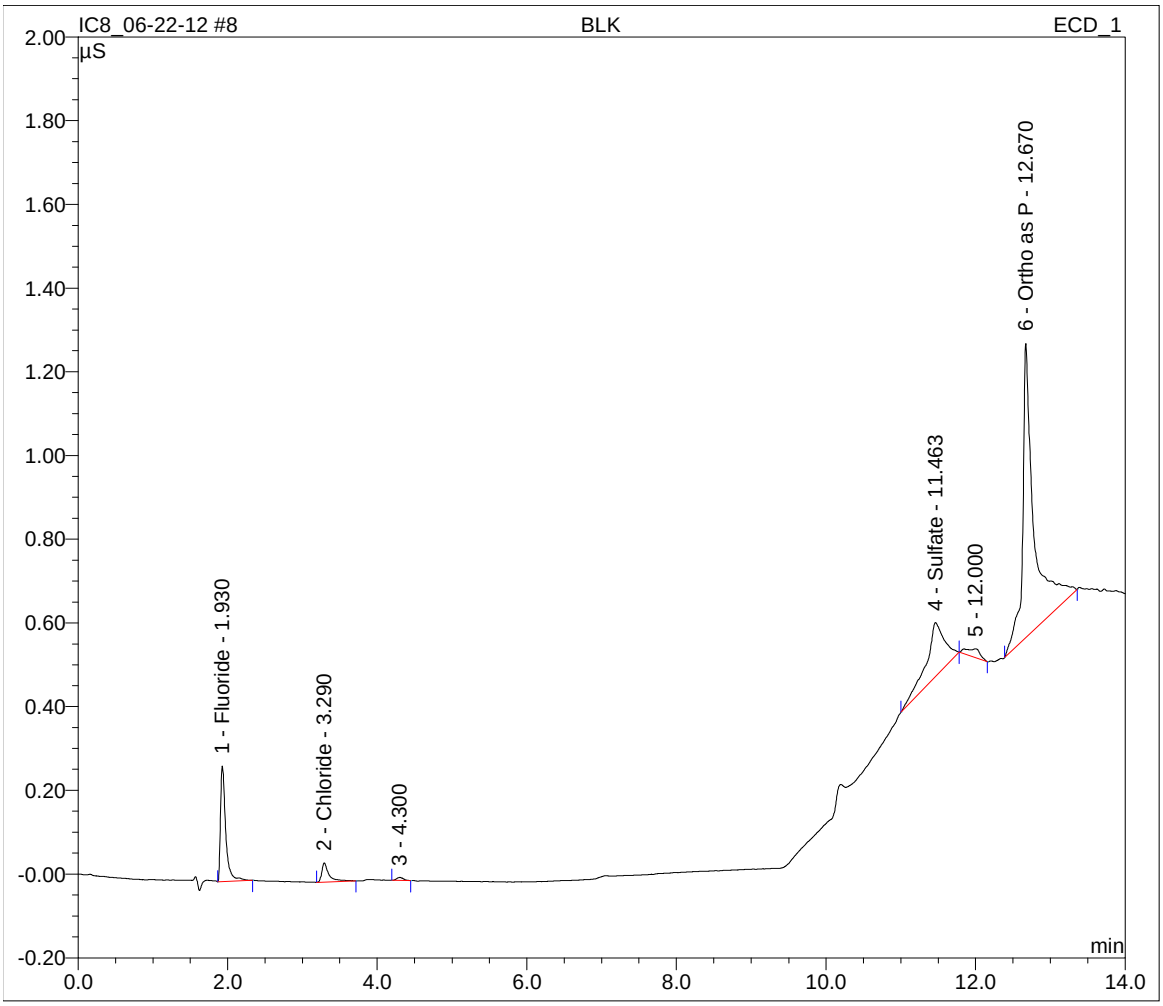
Program:	**7 Anion**	*Operator:*	**n.a.**
Ini. Date/Time:	**06/18/12 14:55**	*Run Time:*	**14.00**



No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
1	1.93	Fluoride	XLOff	6	0.005	0.233	0.000	99.985
2	3.28	Chloride	XLOff	6	-0.009	0.136	0.000	99.997
3	3.83	Nitrite	XLOff	6	-0.012	0.368	0.000	99.992
4	6.26	Bromide	XLOff	6	-0.003	0.058	0.000	99.968
5	6.82	Nitrate	XLOff	6	-0.012	0.346	0.000	99.989
6	11.34	Sulfate	XLOff	6	0.031	0.107	0.000	99.990
8	12.61	Ortho as P	XLOff	6	0.118	0.189	0.000	99.954
AVERAGE:					0.0169	0.2051	0.0000	99.9819

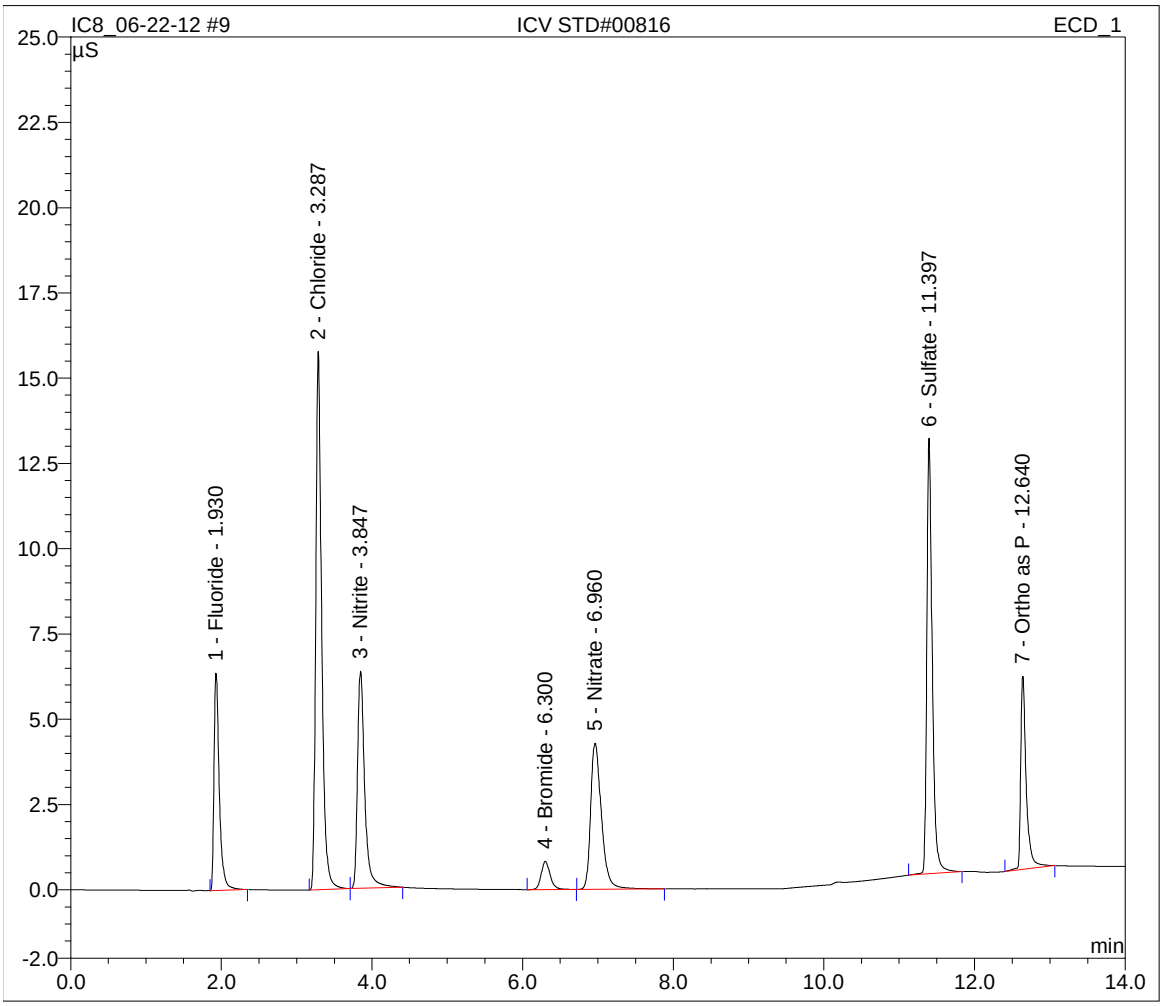
Sample Name:	**BLK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.022	0.276	0.0725
2	3.29	Chloride	BMB	0.005	0.046	0.1031
4	11.46	Sulfate	BMb	0.036	0.129	0.0502
6	12.67	Ortho as P	BMB	0.125	0.703	0.0382
		TOTAL:		0.19	1.15	0.26



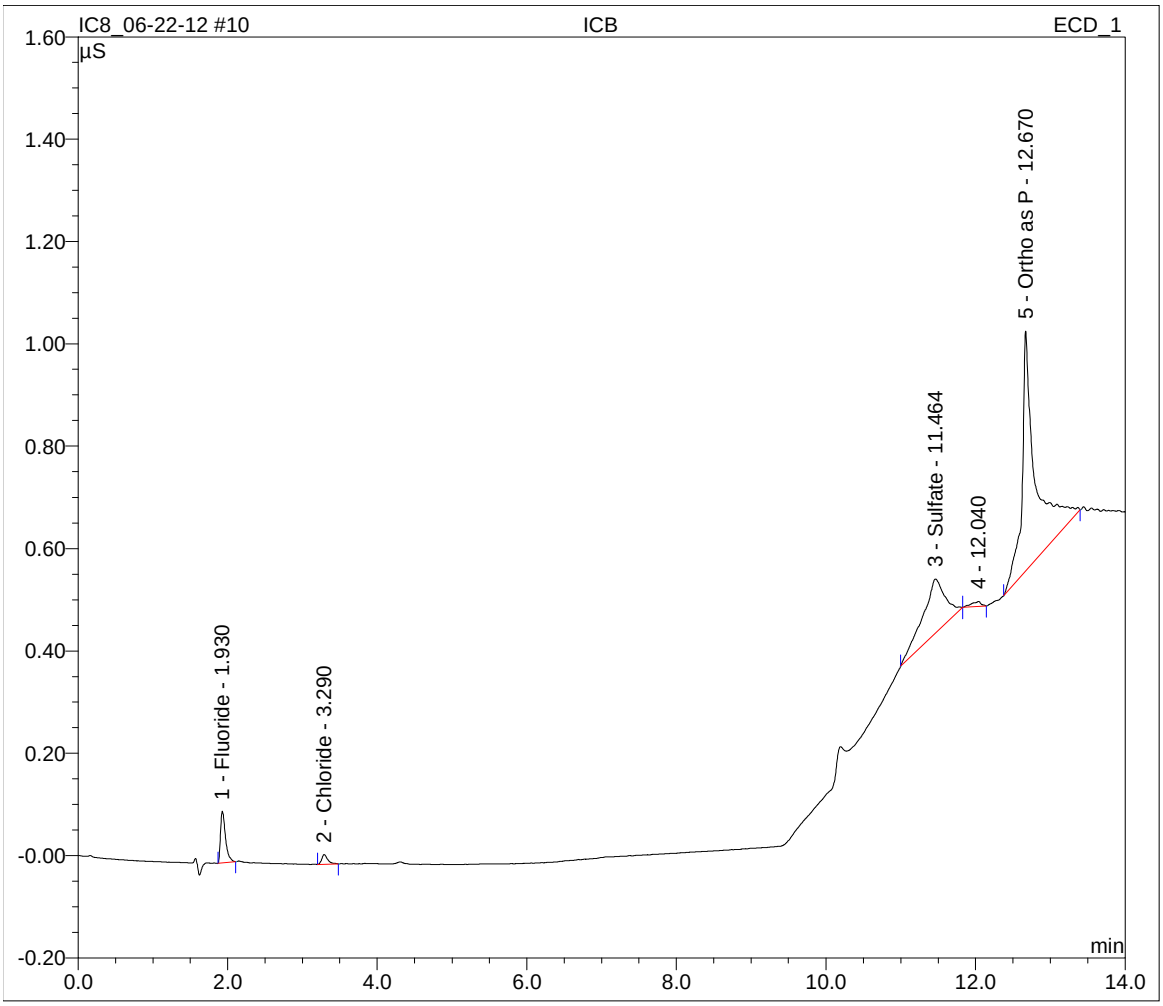
Sample Name:	**ICV STD#00816**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.382	2.1868
2	3.29	Chloride	BMB	1.448	15.777	10.6712
3	3.85	Nitrite	BMB	0.706	6.368	1.9529
4	6.30	Bromide	BMB	0.115	0.825	2.0290
5	6.96	Nitrate	BMB	0.713	4.281	2.0989
6	11.40	Sulfate	BMB	1.070	12.766	9.7526
7	12.64	Ortho as P	BMB	0.474	5.668	1.8875
TOTAL:				5.04	52.07	30.58



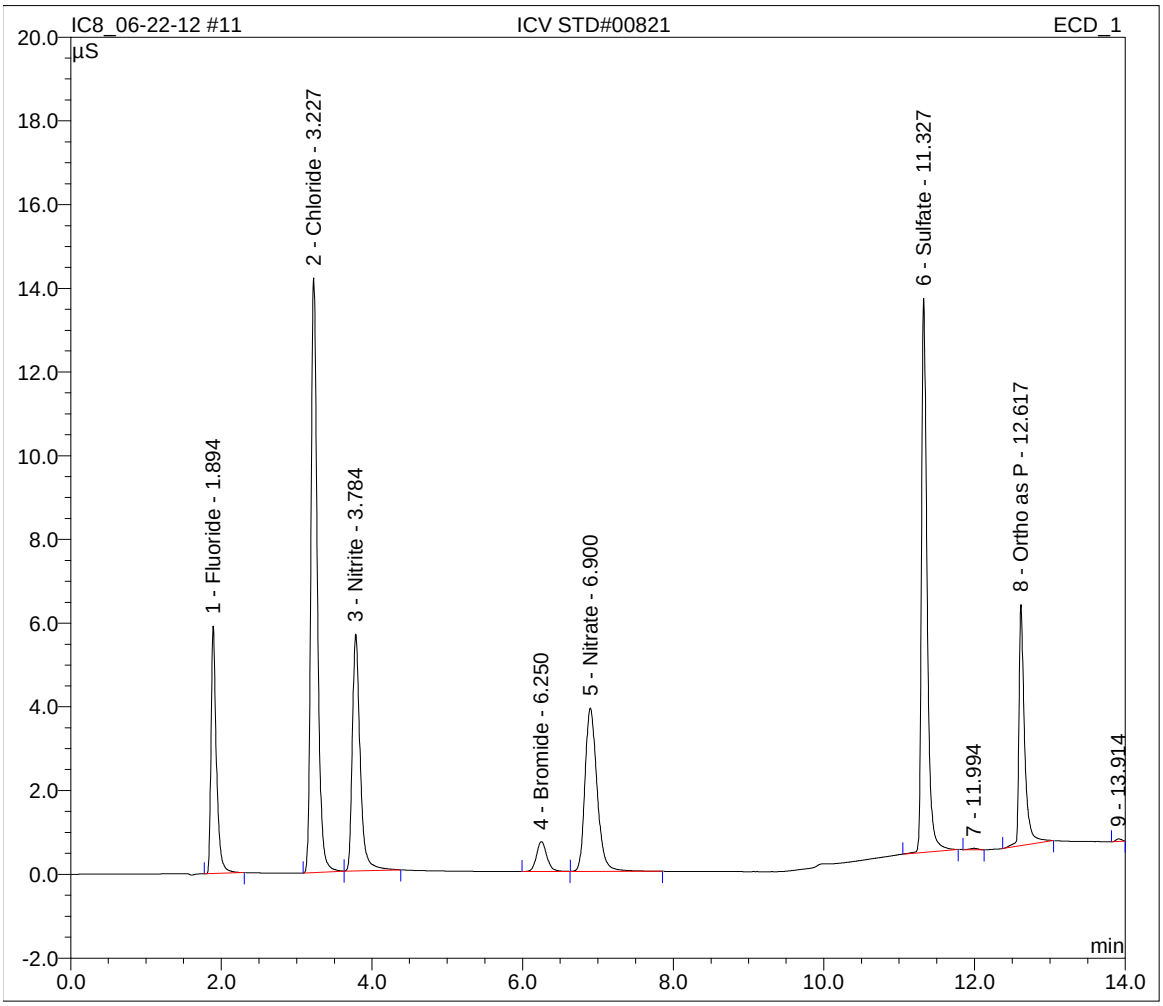
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.008	0.101	0.0103
2	3.29	Chloride	BMB	0.002	0.019	0.0781
3	11.46	Sulfate	BMb	0.037	0.106	0.0582
5	12.67	Ortho as P	BMB	0.100	0.469	-0.0954
		TOTAL:		0.15	0.69	0.05



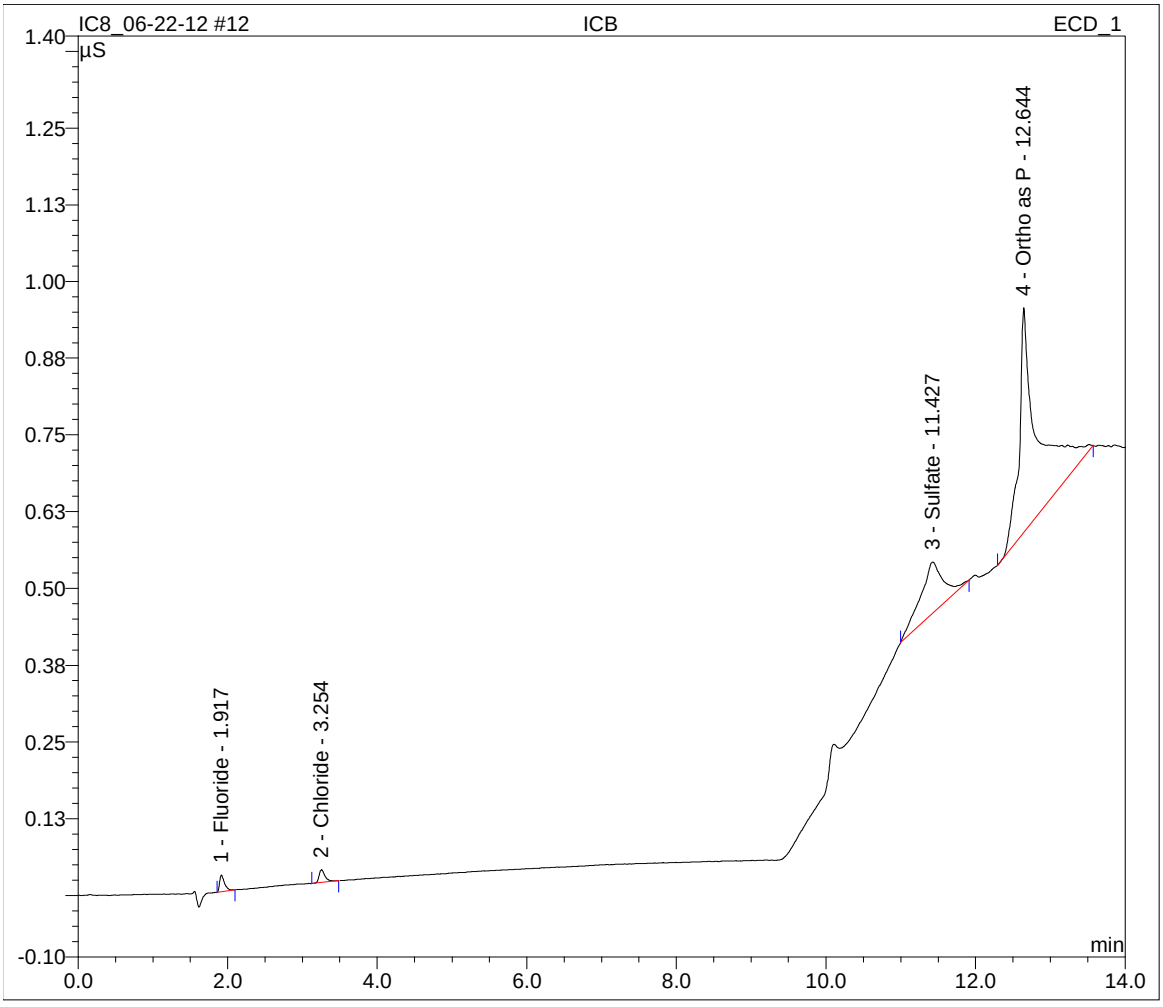
Sample Name:	**ICV STD#00821**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 08:34**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.488	5.918	2.0730
2	3.23	Chloride	BMb	1.405	14.210	10.3560
3	3.78	Nitrite	bMB	0.677	5.658	1.8735
4	6.25	Bromide	BMB	0.113	0.711	1.9948
5	6.90	Nitrate	BMB	0.723	3.898	2.1270
6	11.33	Sulfate	BMB	1.156	13.240	10.5580
8	12.62	Ortho as P	BMB	0.497	5.765	2.0098
TOTAL:				5.06	49.40	30.99



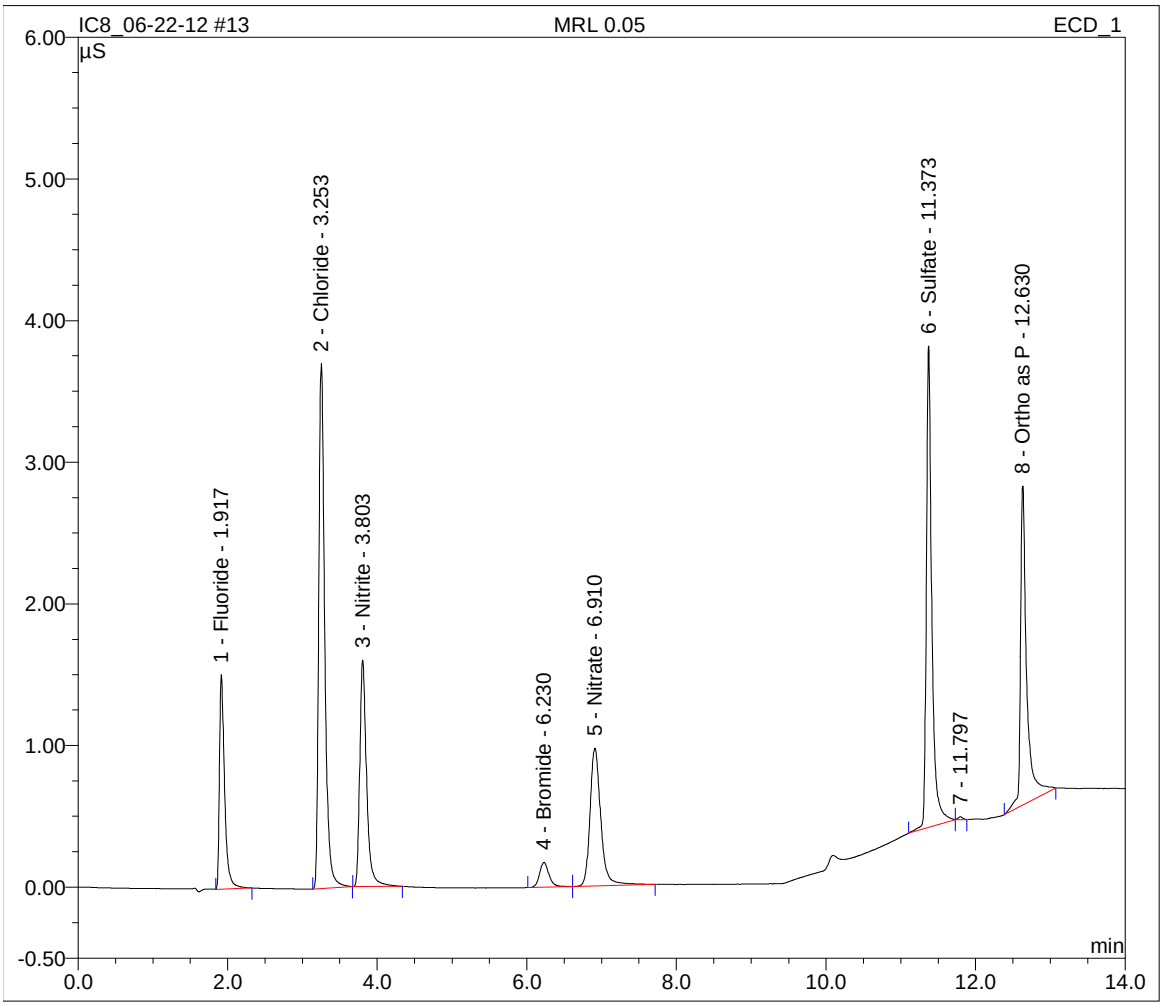
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 08:55**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.002	0.027	-0.0138
2	3.25	Chloride	BMB	0.002	0.021	0.0793
3	11.43	Sulfate	BMB	0.029	0.083	-0.0158
4	12.64	Ortho as P	BMB	0.107	0.366	-0.0583
TOTAL:				0.14	0.50	-0.01



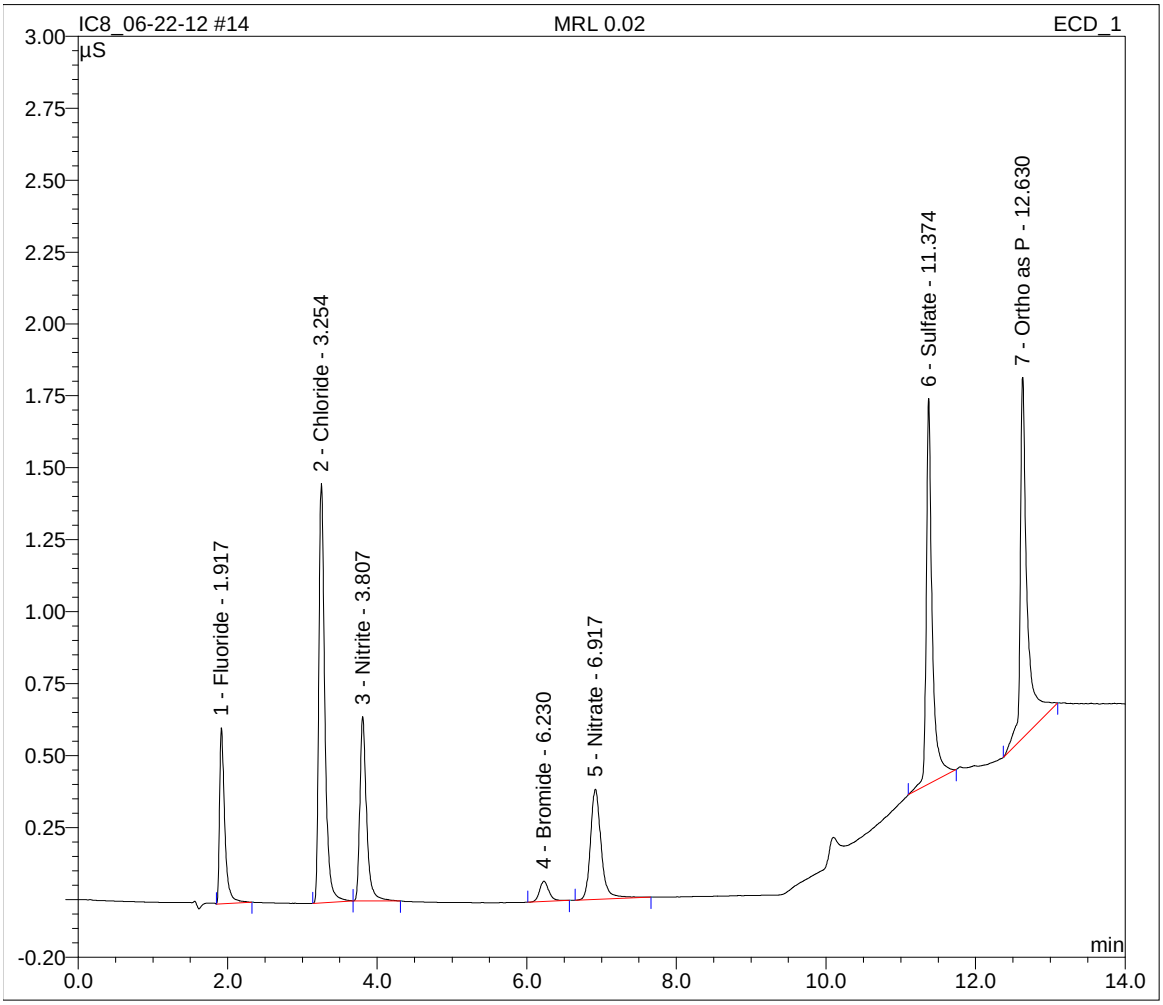
Sample Name:	**MRL 0.05**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 09:12**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.121	1.516	0.4990
2	3.25	Chloride	BMB	0.345	3.704	2.5916
3	3.80	Nitrite	BMB	0.169	1.601	0.4936
4	6.23	Bromide	BMB	0.026	0.175	0.4907
5	6.91	Nitrate	bMB	0.161	0.971	0.5015
6	11.37	Sulfate	BMB	0.289	3.397	2.4178
8	12.63	Ortho as P	BMB	0.214	2.254	0.5100
		TOTAL:		1.33	13.62	7.50



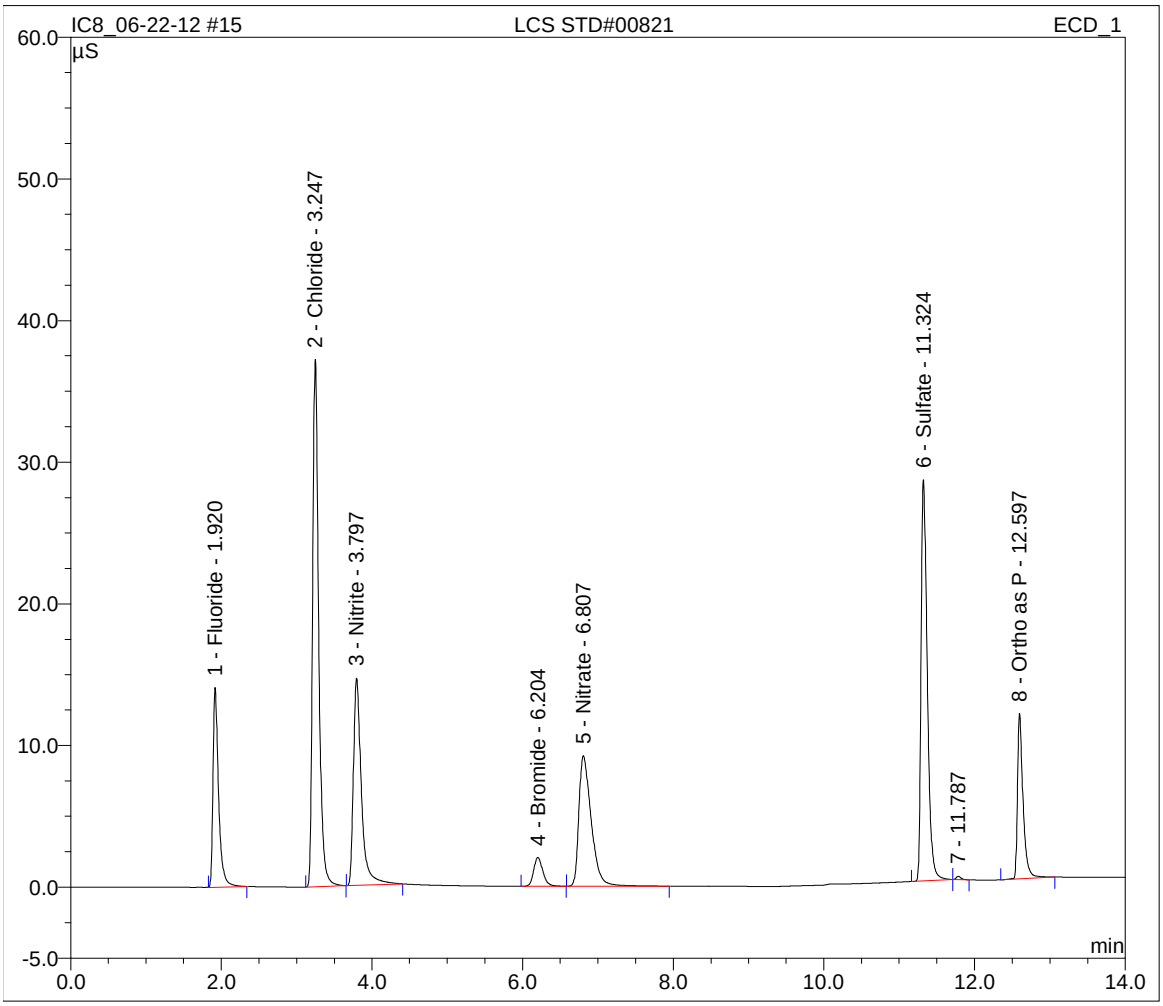
Sample Name:	**MRL 0.02**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 09:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.049	0.611	0.1878
2	3.25	Chloride	BMB	0.135	1.457	1.0569
3	3.81	Nitrite	bMB	0.066	0.640	0.2135
4	6.23	Bromide	BMB	0.010	0.070	0.2243
5	6.92	Nitrate	BMB	0.064	0.383	0.2186
6	11.37	Sulfate	BMB	0.123	1.339	0.8617
7	12.63	Ortho as P	BMB	0.135	1.253	0.0898
		TOTAL:		0.58	5.75	2.85



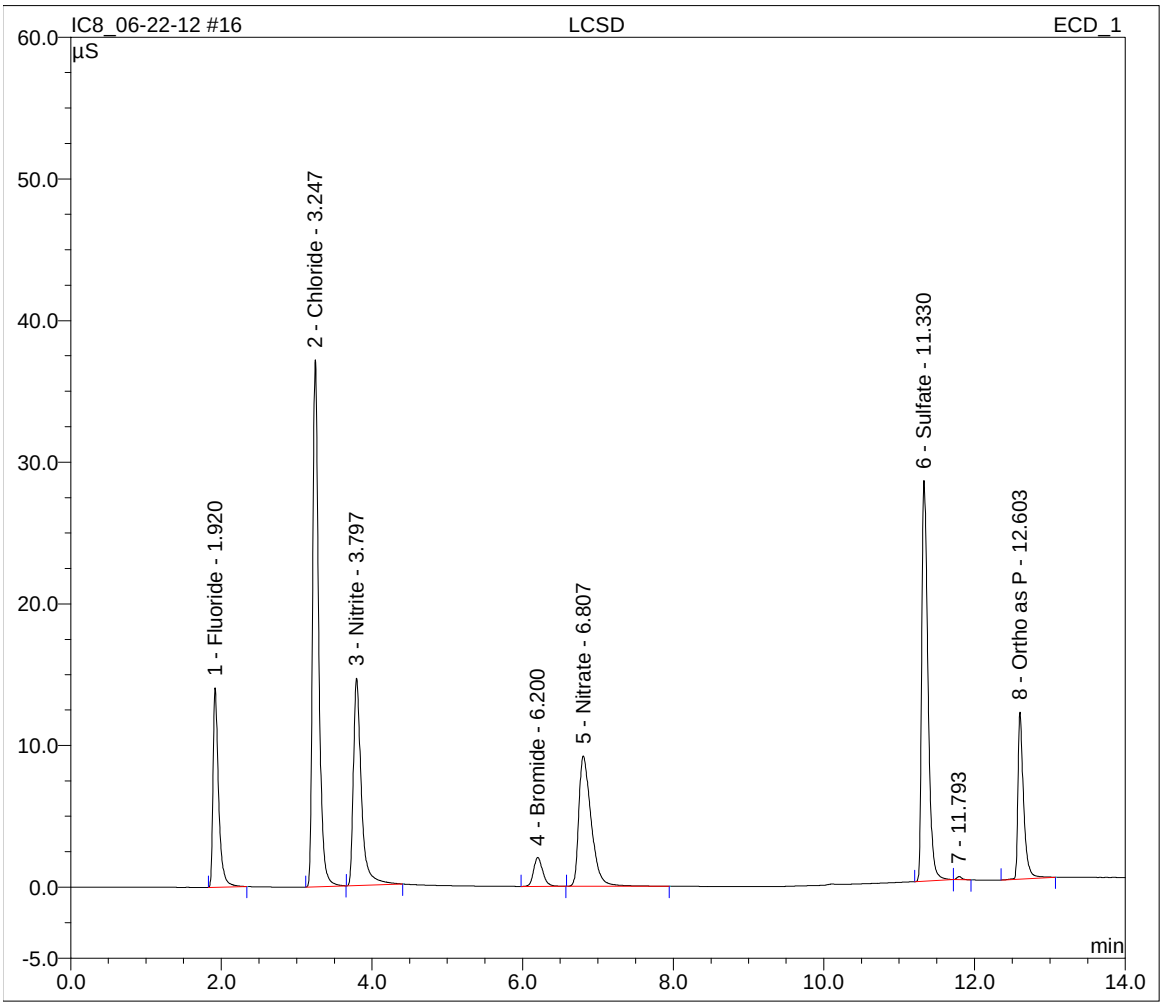
Sample Name:	**LCS STD#00821**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 09:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.204	14.079	5.1466
2	3.25	Chloride	BMB	3.462	37.205	25.4325
3	3.80	Nitrite	BMB	1.794	14.643	4.9110
4	6.20	Bromide	BMB	0.289	2.037	5.0433
5	6.81	Nitrate	BMB	1.748	9.197	5.0920
6	11.32	Sulfate	BMb	2.748	28.323	25.4968
8	12.60	Ortho as P	BMB	1.010	11.672	4.7248
TOTAL:				12.25	117.16	75.85



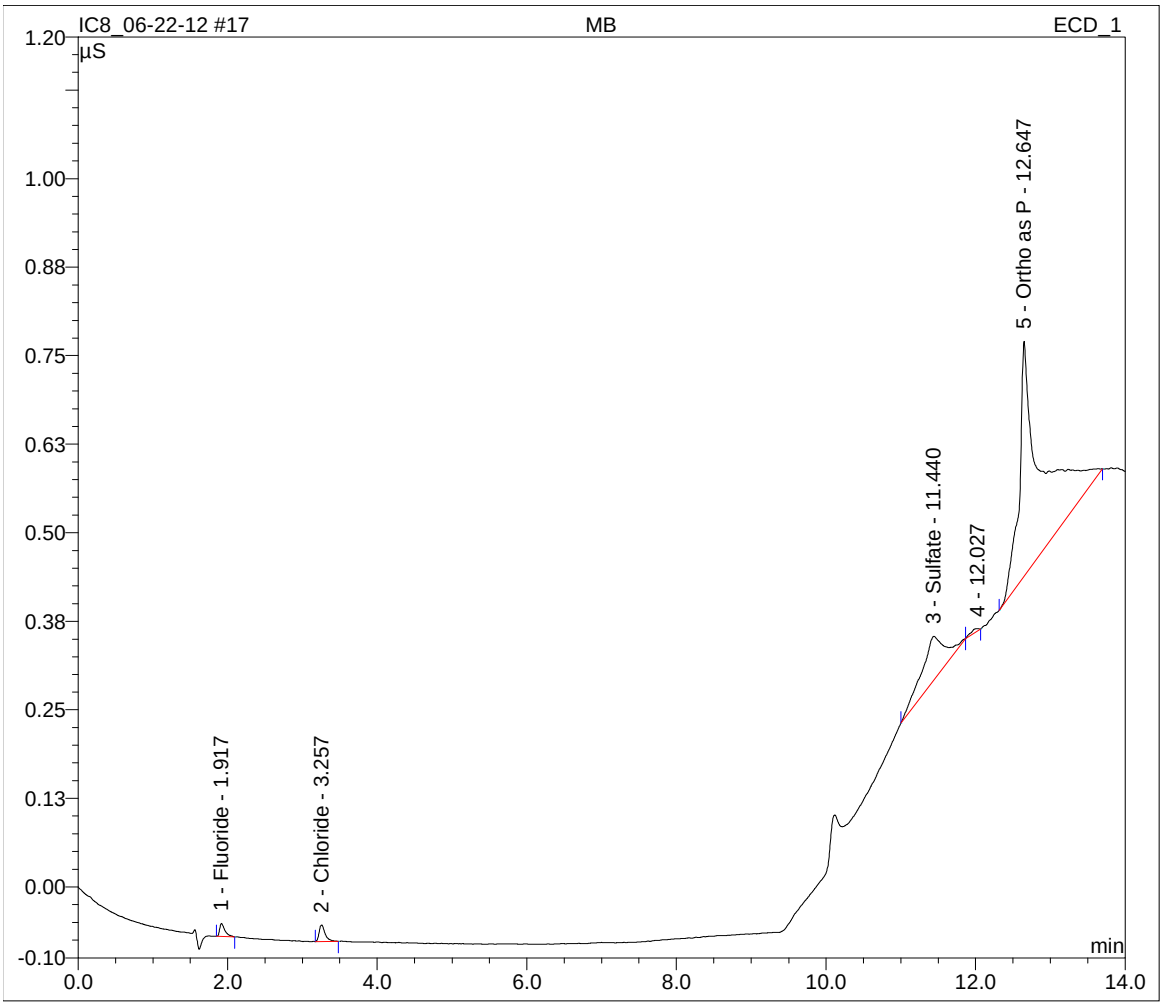
Sample Name:	**LCSD**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 10:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.204	14.076	5.1471
2	3.25	Chloride	BMB	3.463	37.200	25.4326
3	3.80	Nitrite	BMB	1.790	14.643	4.9014
4	6.20	Bromide	BMB	0.289	2.042	5.0479
5	6.81	Nitrate	BMB	1.749	9.202	5.0969
6	11.33	Sulfate	BMb	2.749	28.277	25.5122
8	12.60	Ortho as P	BMB	1.026	11.777	4.8092
TOTAL:				12.27	117.22	75.95



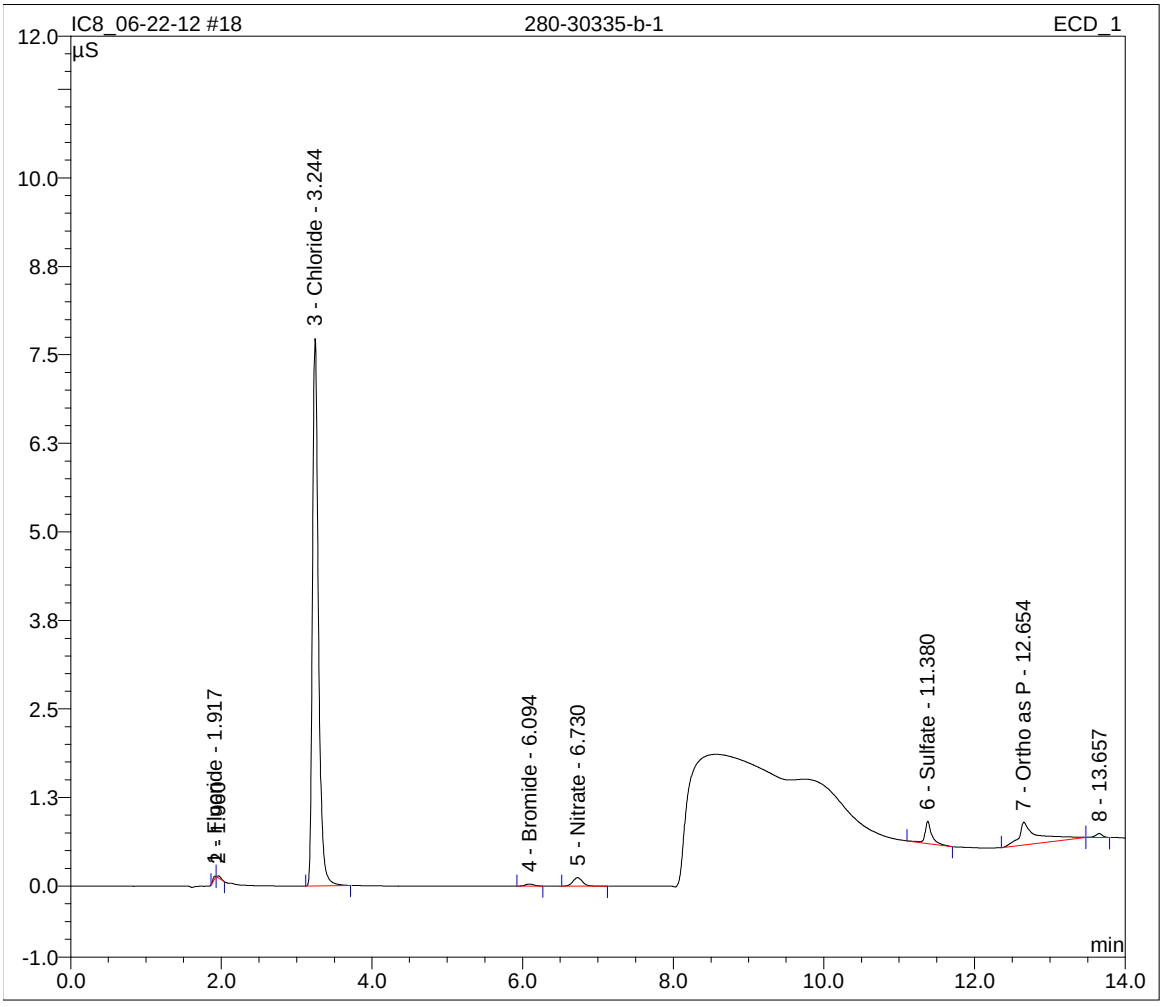
Sample Name:	**MB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 10:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.001	0.018	-0.0163
2	3.26	Chloride	BMB	0.002	0.023	0.0812
3	11.44	Sulfate	BMB	0.022	0.062	-0.0887
5	12.65	Ortho as P	BMB	0.114	0.332	-0.0211
TOTAL:				0.14	0.44	-0.04



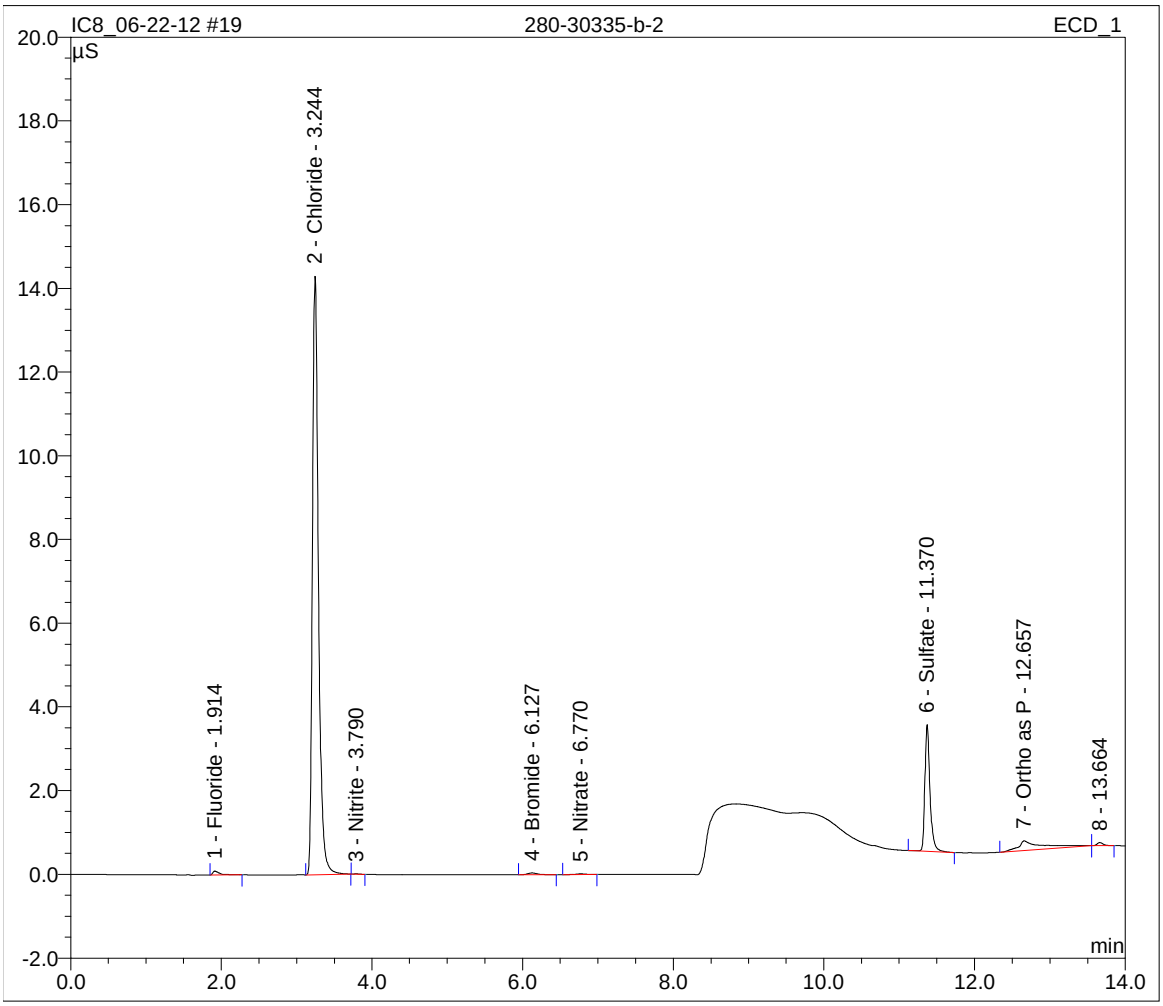
Sample Name:	**280-30335-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 11:55**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.002	0.033	-0.0149
3	3.24	Chloride	BMB	0.706	7.733	5.2358
4	6.09	Bromide	BMB	0.004	0.028	0.1136
5	6.73	Nitrate	BMB	0.018	0.121	0.0866
6	11.38	Sulfate	BMB	0.032	0.314	0.0098
7	12.65	Ortho as P	BMB	0.093	0.321	-0.1344
		TOTAL:		0.85	8.55	5.30



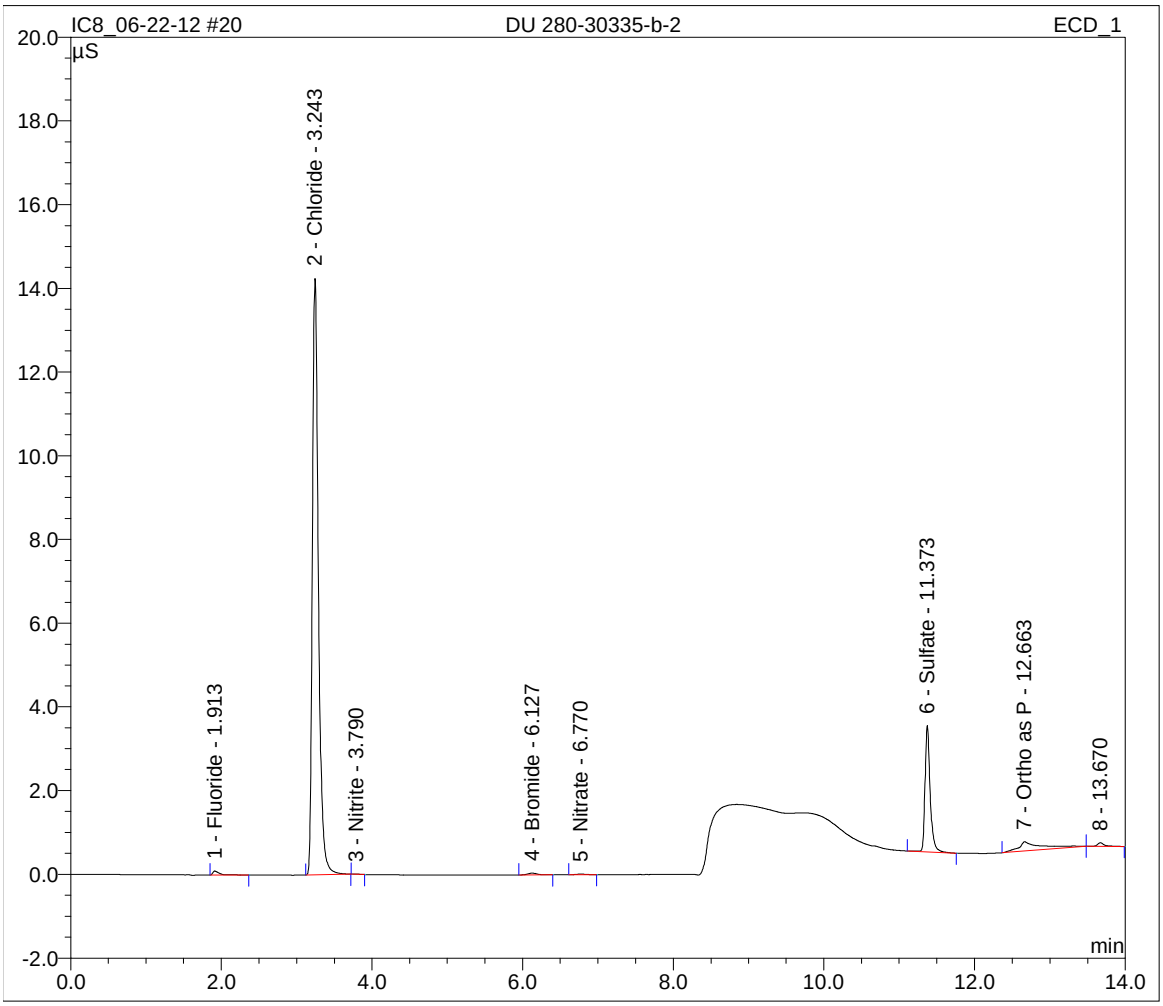
Sample Name:	**280-30335-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 12:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.010	0.094	0.0189
2	3.24	Chloride	BMB	1.320	14.302	9.7379
3	3.79	Nitrite	BMB	0.001	0.008	0.0350
4	6.13	Bromide	BMB	0.006	0.043	0.1532
5	6.77	Nitrate	BMB	0.003	0.017	0.0422
6	11.37	Sulfate	BMB	0.239	3.030	1.9546
7	12.66	Ortho as P	BMB	0.087	0.234	-0.1658
TOTAL:				1.67	17.73	11.78



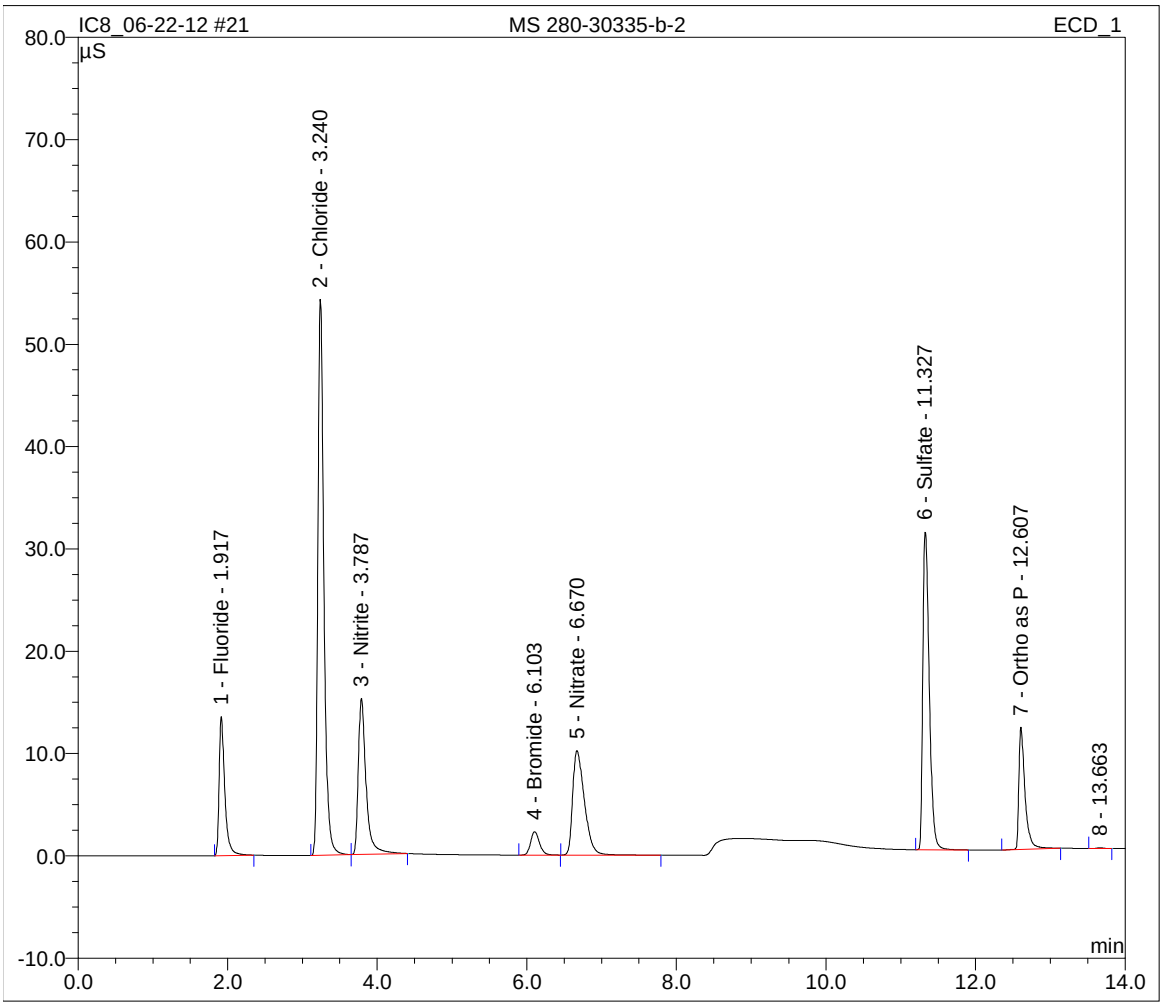
Sample Name:	**DU 280-30335-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 12:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.010	0.096	0.0192
2	3.24	Chloride	BMB	1.319	14.254	9.7254
3	3.79	Nitrite	BMB	0.001	0.008	0.0349
4	6.13	Bromide	BMB	0.006	0.042	0.1496
5	6.77	Nitrate	BMB	0.002	0.015	0.0407
6	11.37	Sulfate	BMB	0.239	3.017	1.9495
7	12.66	Ortho as P	BMB	0.078	0.223	-0.2106
TOTAL:				1.65	17.65	11.71



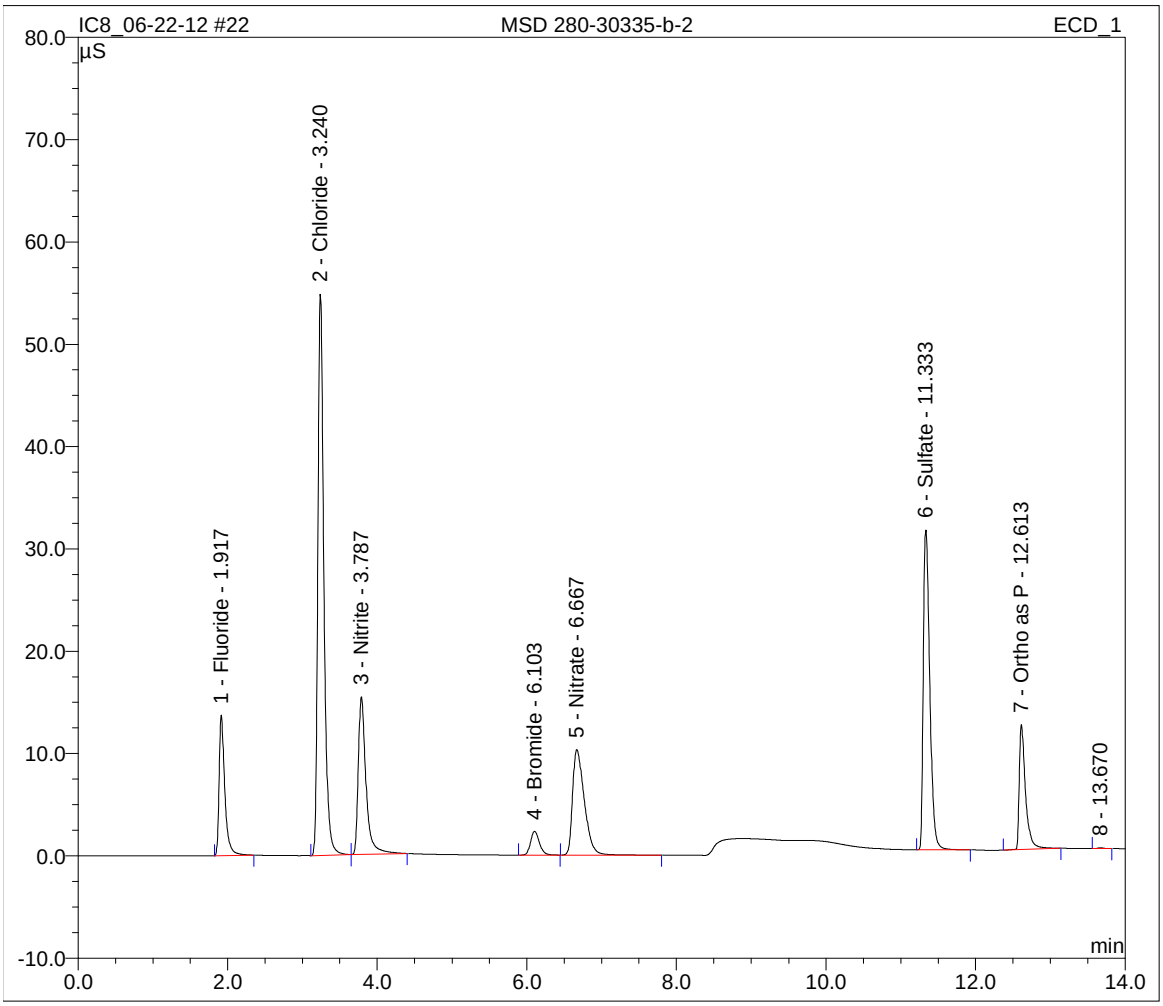
Sample Name:	**MS 280-30335-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 12:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.198	13.597	5.1245
2	3.24	Chloride	BMB	5.072	54.361	37.2252
3	3.79	Nitrite	bMB	1.841	15.241	5.0380
4	6.10	Bromide	BMB	0.315	2.281	5.5039
5	6.67	Nitrate	BMB	1.853	10.196	5.3968
6	11.33	Sulfate	BMB	3.098	31.026	28.7887
7	12.61	Ortho as P	BMB	1.146	11.933	5.4436
		TOTAL:		14.52	138.63	92.52



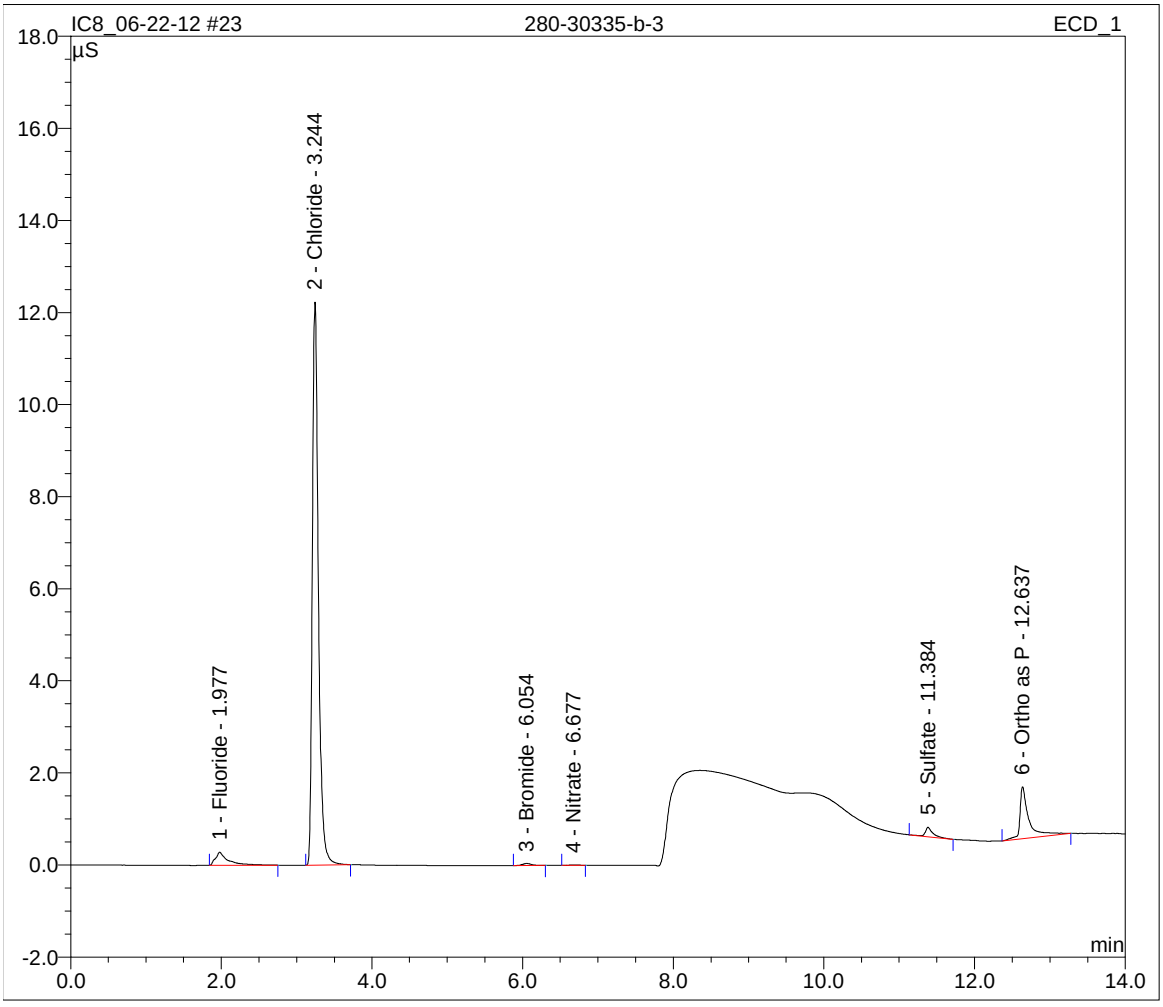
Sample Name:	**MSD 280-30335-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 13:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.214	13.741	5.1901
2	3.24	Chloride	BMB	5.111	54.858	37.5116
3	3.79	Nitrite	BMB	1.852	15.391	5.0686
4	6.10	Bromide	BMB	0.319	2.319	5.5604
5	6.67	Nitrate	BMB	1.872	10.303	5.4530
6	11.33	Sulfate	BMB	3.127	31.240	29.0589
7	12.61	Ortho as P	BMB	1.191	12.213	5.6838
		TOTAL:		14.69	140.07	93.53



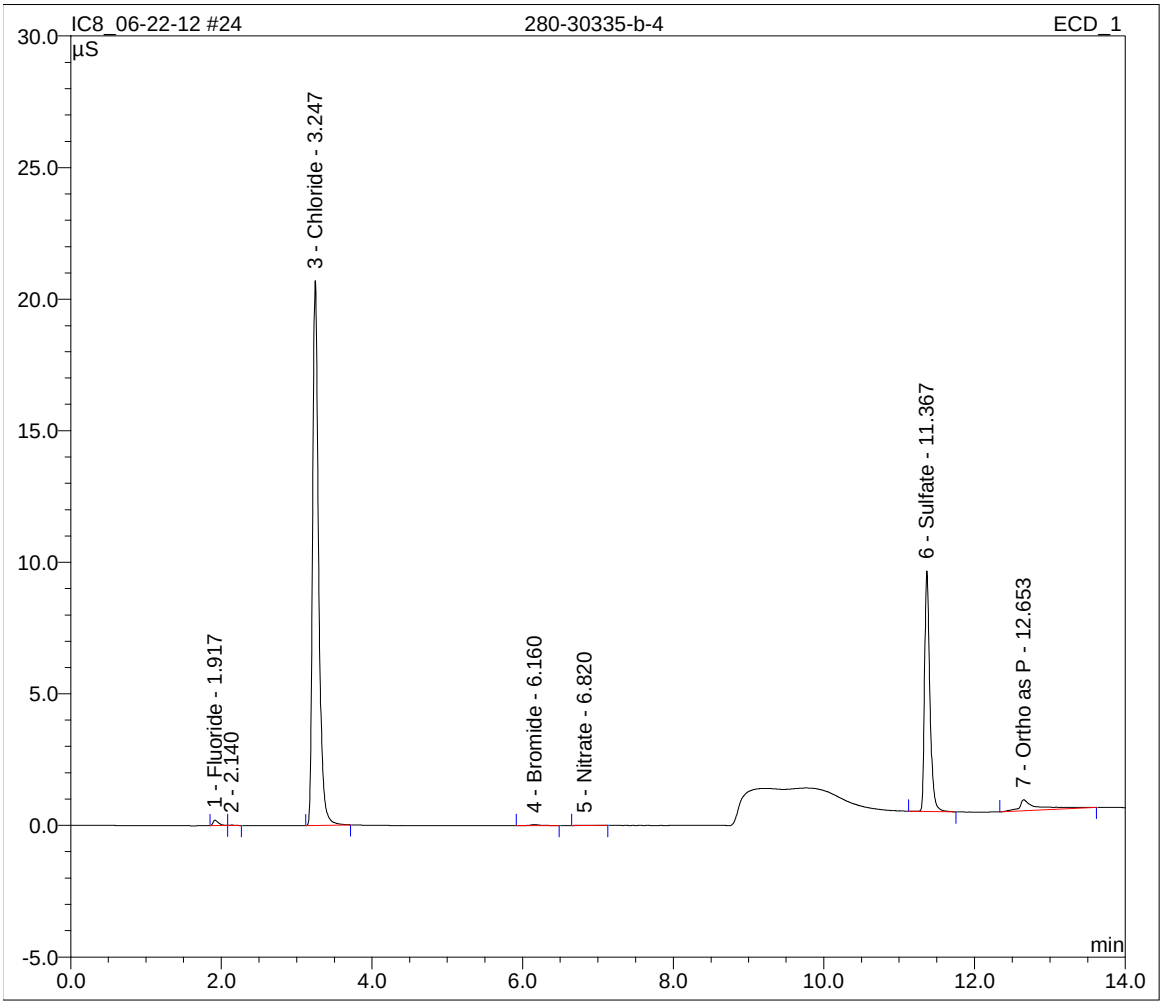
Sample Name:	**280-30335-b-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 13:19**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.98	Fluoride	BMB	0.056	0.286	0.2181
2	3.24	Chloride	BMB	1.135	12.234	8.3820
3	6.05	Bromide	BMB	0.006	0.043	0.1495
4	6.68	Nitrate	BMB	0.001	0.010	0.0384
5	11.38	Sulfate	BMB	0.024	0.207	-0.0709
6	12.64	Ortho as P	BMB	0.153	1.123	0.1883
		TOTAL:		1.38	13.90	8.91



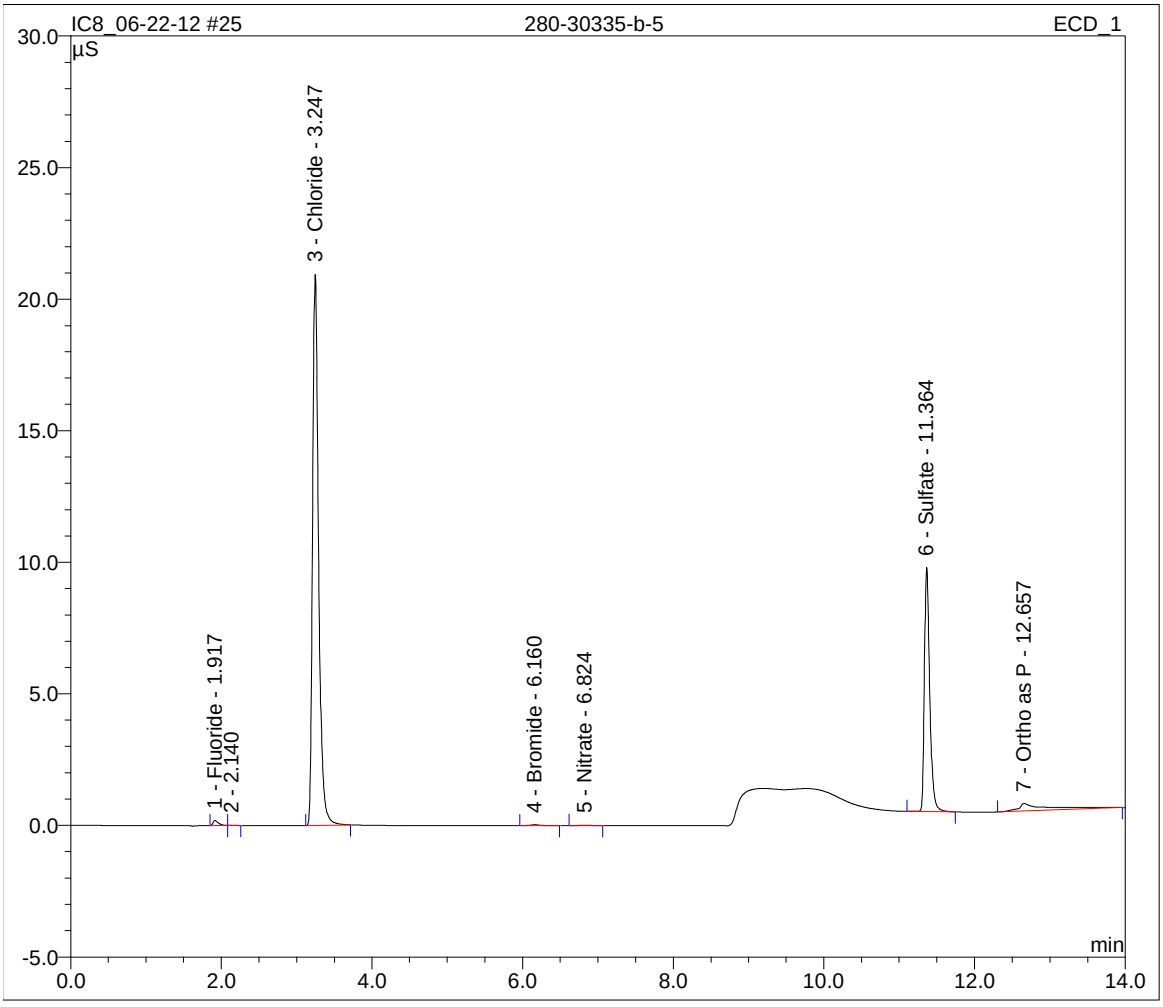
Sample Name:	**280-30335-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 13:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.017	0.211	0.0504
3	3.25	Chloride	BMB	1.915	20.717	14.0960
4	6.16	Bromide	BMB	0.005	0.033	0.1318
5	6.82	Nitrate	BMB	0.002	0.011	0.0398
6	11.37	Sulfate	BMB	0.744	9.146	6.6876
7	12.65	Ortho as P	BMB	0.113	0.421	-0.0271
		TOTAL:		2.80	30.54	20.98



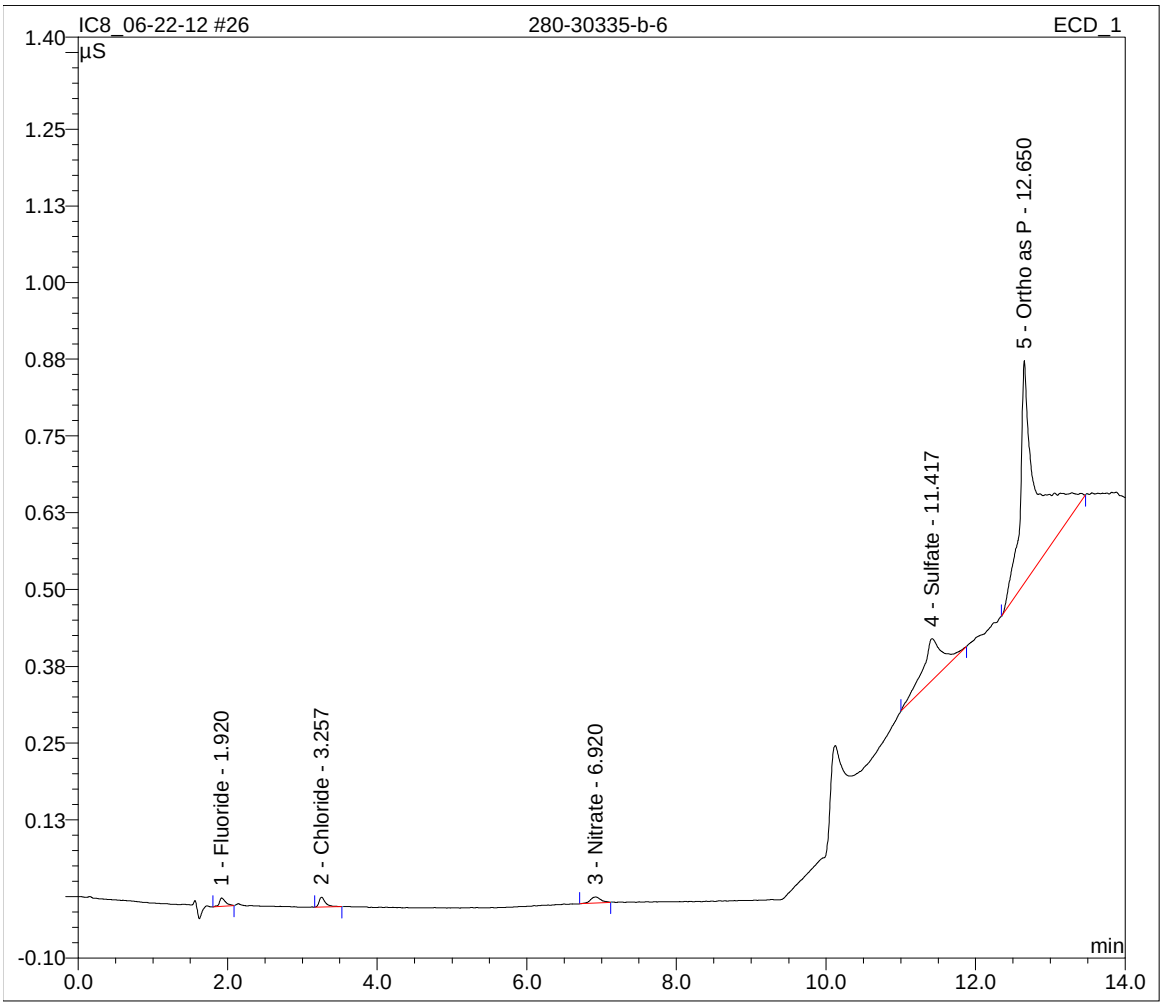
Sample Name:	**280-30335-b-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 13:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.016	0.199	0.0460
3	3.25	Chloride	BMB	1.940	20.951	14.2786
4	6.16	Bromide	BMB	0.005	0.033	0.1296
5	6.82	Nitrate	BMB	0.002	0.012	0.0400
6	11.36	Sulfate	BMB	0.763	9.284	6.8662
7	12.66	Ortho as P	BMB	0.134	0.290	0.0831
		TOTAL:		2.86	30.77	21.44



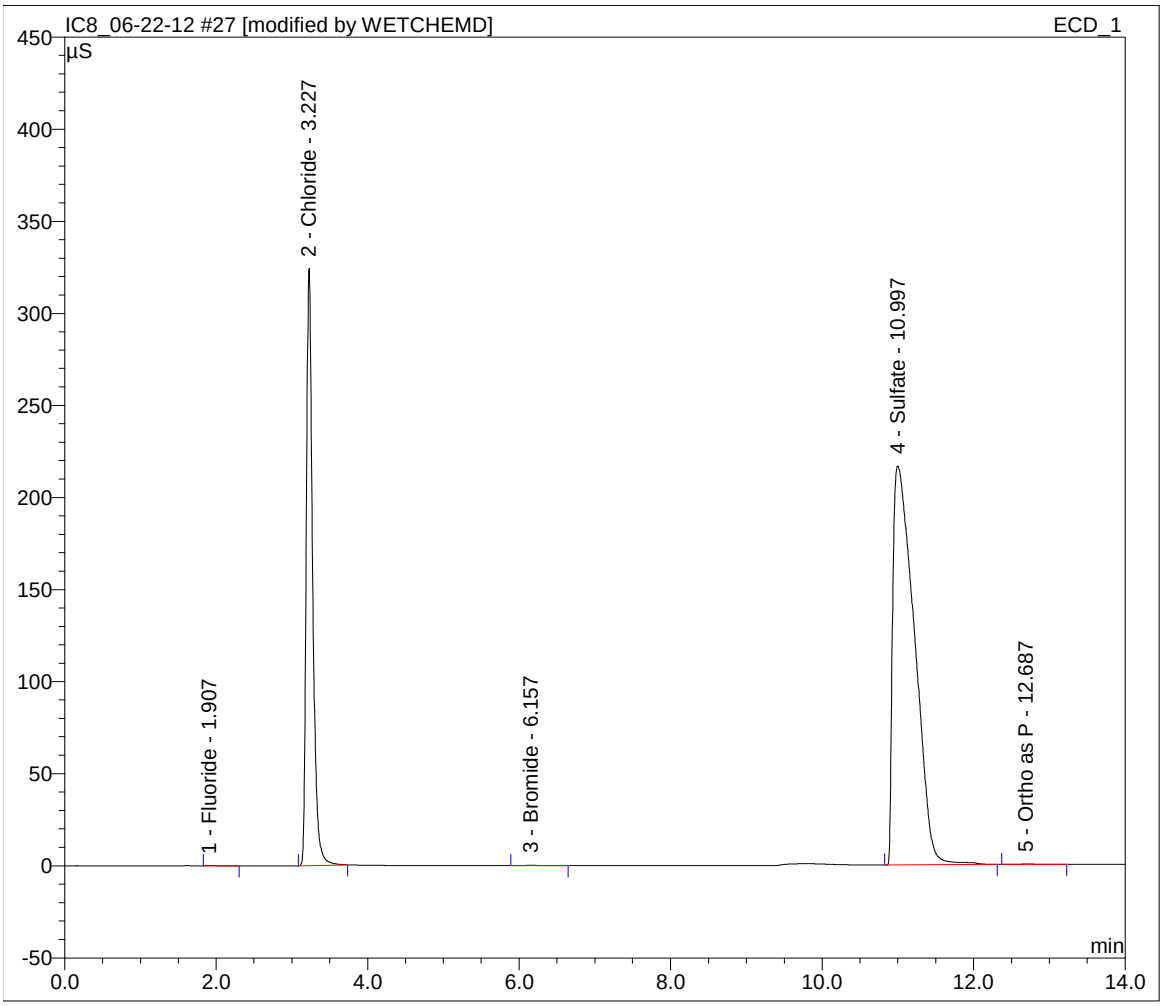
Sample Name:	**280-30335-b-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 14:09**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.001	0.014	-0.0172
2	3.26	Chloride	BMB	0.002	0.016	0.0767
3	6.92	Nitrate	BMB	0.002	0.010	0.0392
4	11.42	Sulfate	BMB	0.021	0.068	-0.0990
5	12.65	Ortho as P	BMB	0.097	0.363	-0.1080
		TOTAL:		0.12	0.47	-0.11



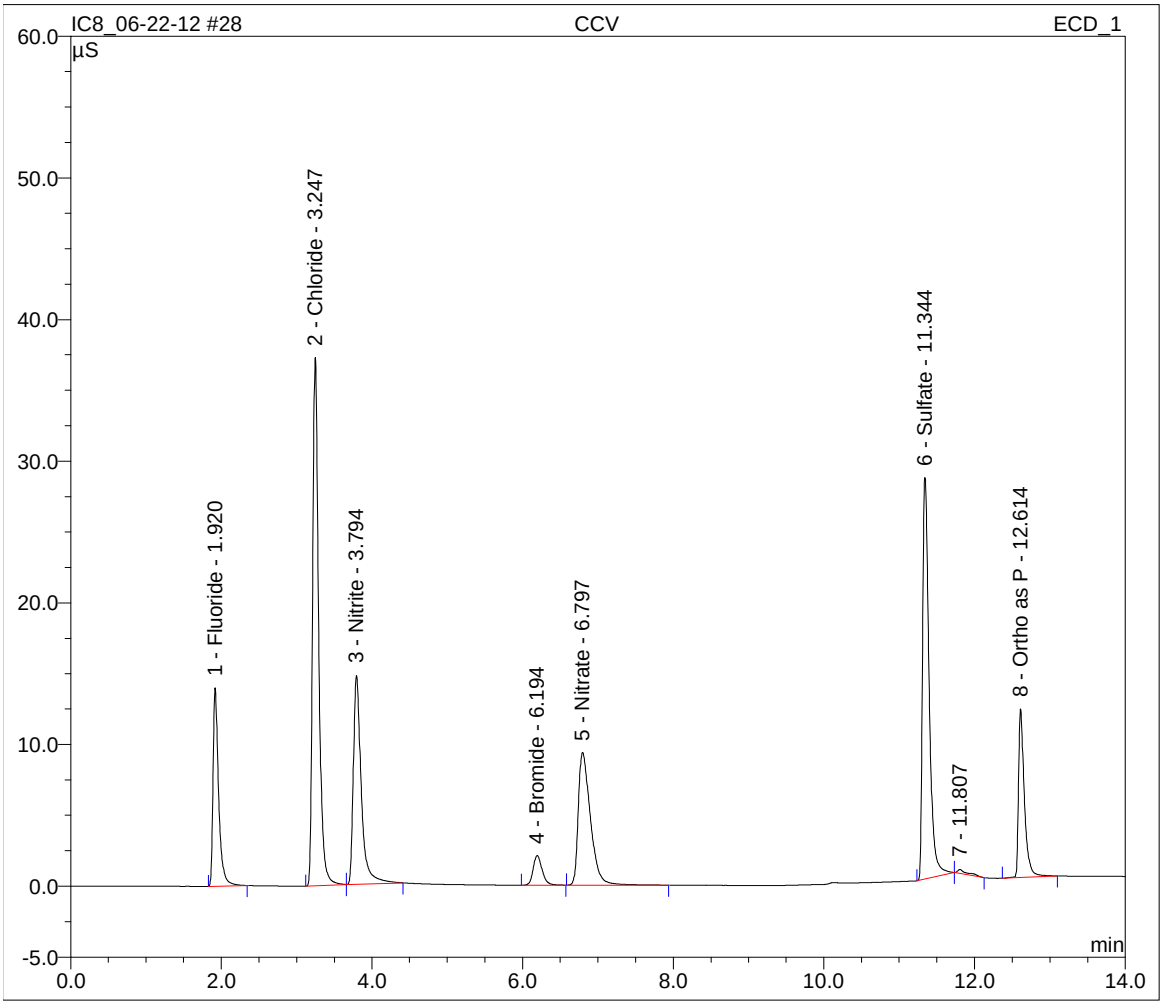
Sample Name:	**280-30328-a-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 14:26**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.008	0.077	0.0523
2	3.23	Chloride	BMB	31.671	324.248	1160.4643
3	6.16	Bromide	BMB	0.042	0.302	3.8467
4	11.00	Sulfate	BMB*	71.713	216.699	3363.9487
5	12.69	Ortho as P	BMB	0.074	0.286	-1.1726
		TOTAL:		103.51	541.61	4527.14



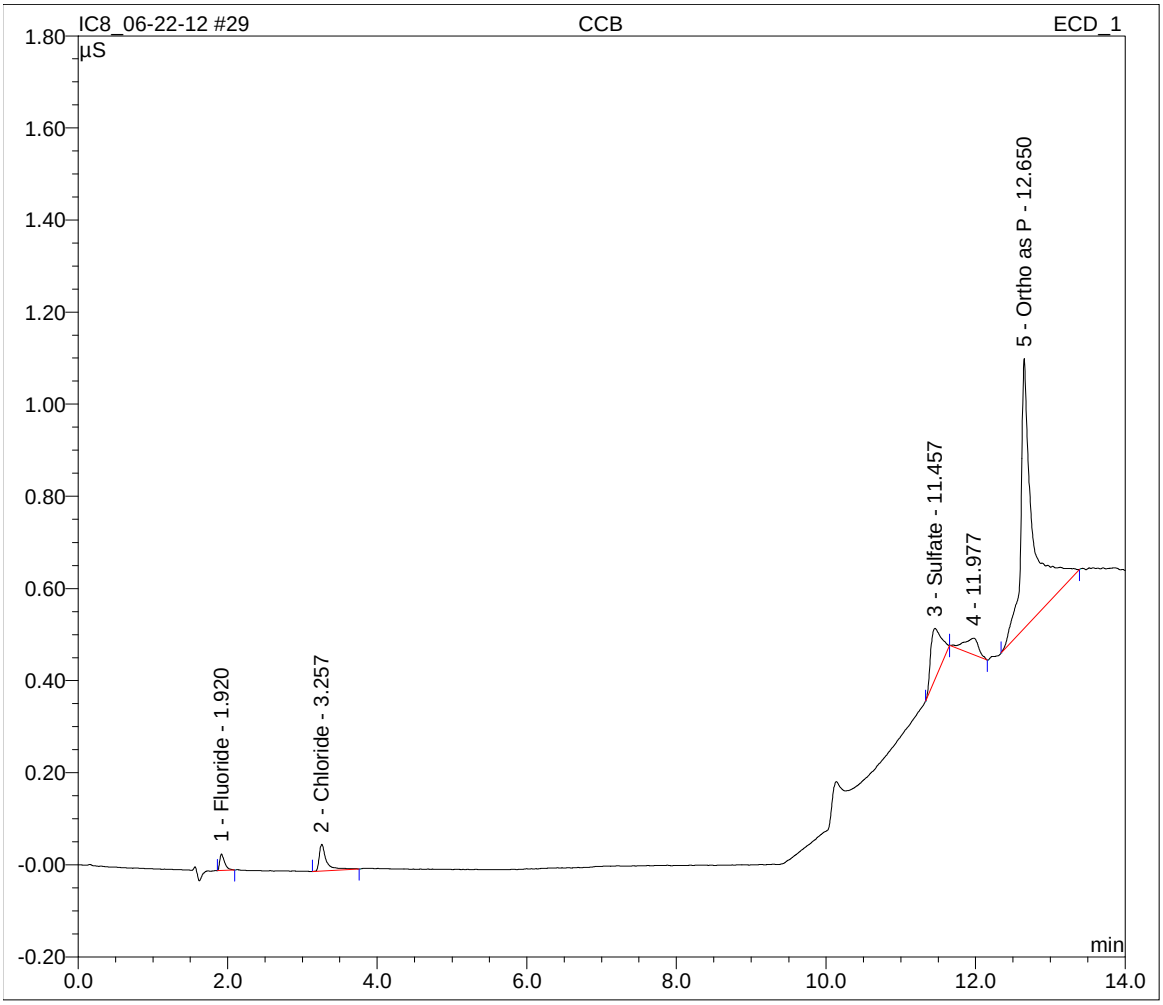
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 14:43**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.198	13.993	5.1245
2	3.25	Chloride	BMB	3.461	37.284	25.4205
3	3.79	Nitrite	BMB	1.789	14.738	4.8973
4	6.19	Bromide	BMB	0.290	2.095	5.0651
5	6.80	Nitrate	BMB	1.750	9.369	5.0977
6	11.34	Sulfate	BMb	2.868	28.346	26.6242
8	12.61	Ortho as P	BMB	1.080	11.894	5.0936
		TOTAL:		12.44	117.72	77.32



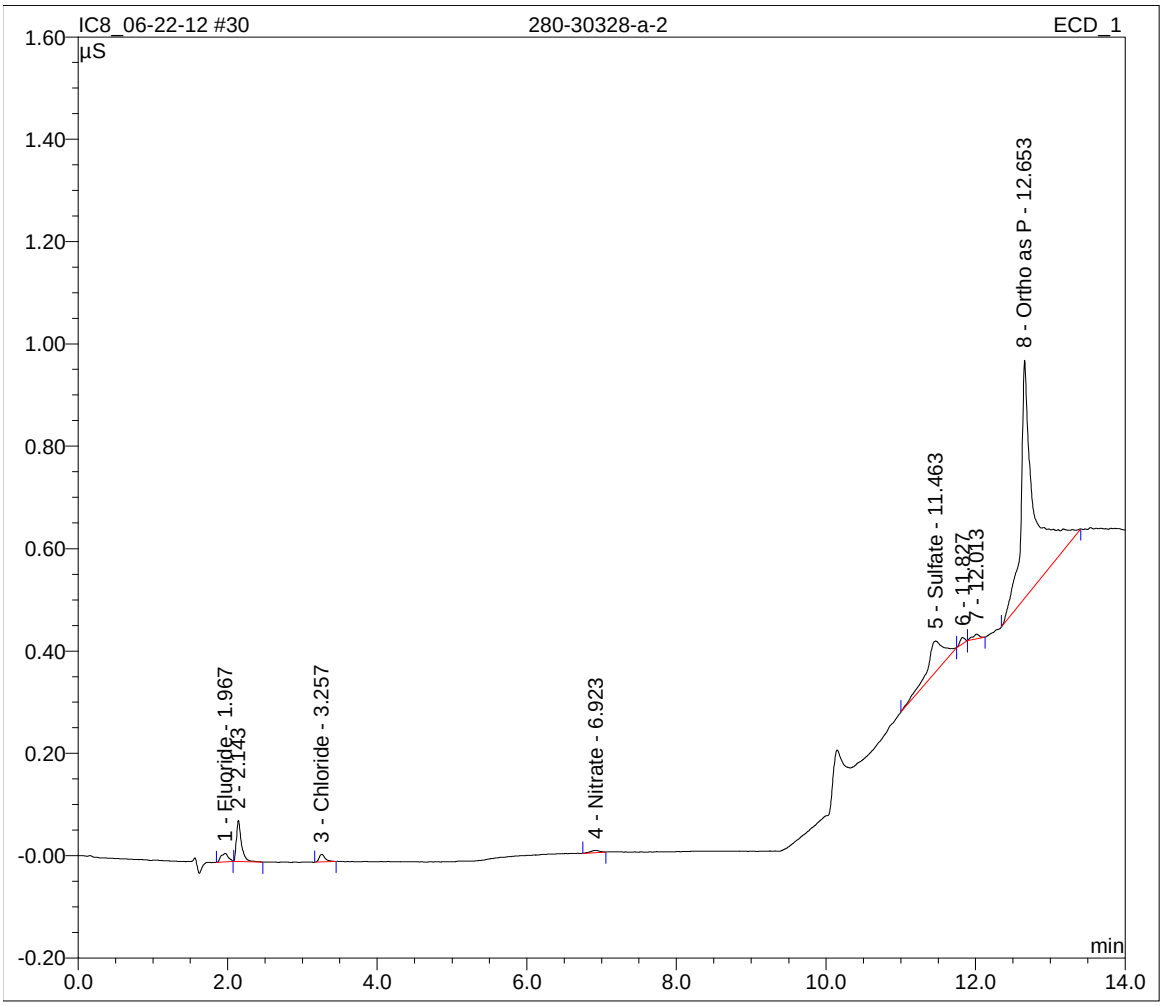
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 14:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.003	0.036	-0.0110
2	3.26	Chloride	BMB	0.007	0.058	0.1139
3	11.46	Sulfate	BMb	0.018	0.111	-0.1217
5	12.65	Ortho as P	BMB	0.112	0.585	-0.0297
		TOTAL:		0.14	0.79	-0.05



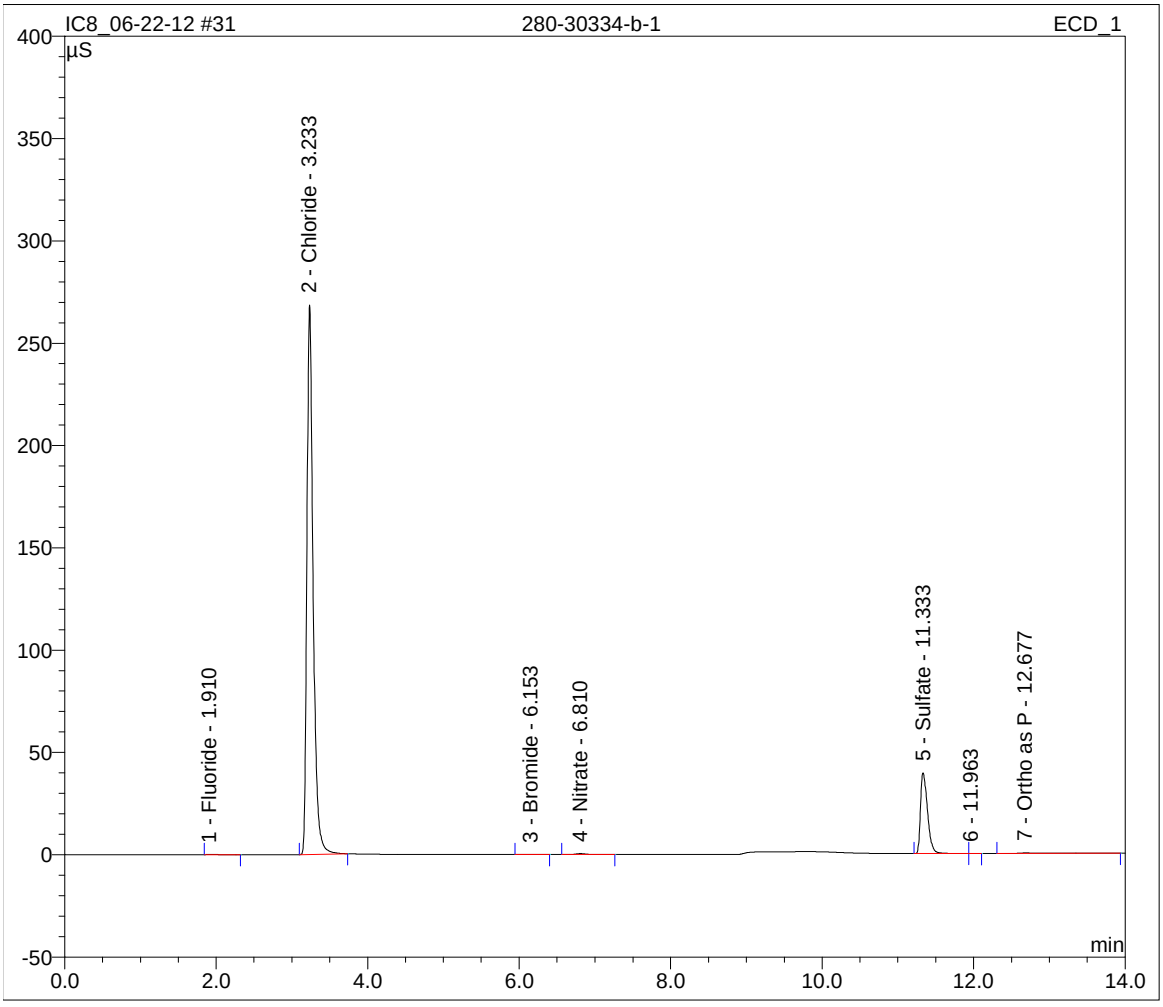
Sample Name:	**280-30328-a-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 15:16**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.97	Fluoride	BMB	0.002	0.017	-0.0145
3	3.26	Chloride	BMB	0.001	0.015	0.0753
4	6.92	Nitrate	BMB	0.001	0.004	0.0363
5	11.46	Sulfate	BMB	0.015	0.061	-0.1489
8	12.65	Ortho as P	BMB	0.098	0.465	-0.1029
		TOTAL:		0.12	0.56	-0.15



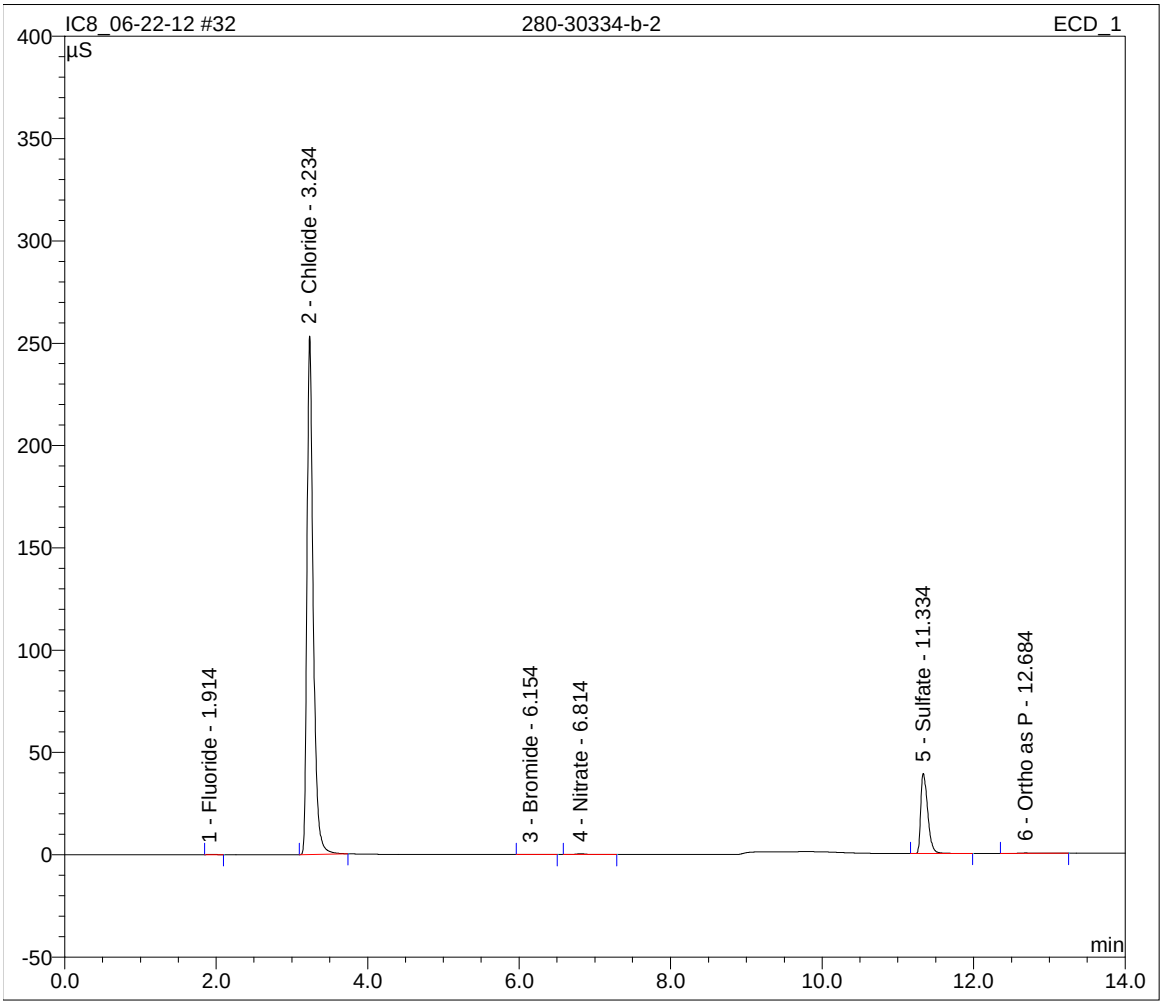
Sample Name:	**280-30334-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 15:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.014	0.160	0.0362
2	3.23	Chloride	BMB	25.624	268.549	187.7945
3	6.15	Bromide	BMB	0.013	0.096	0.2681
4	6.81	Nitrate	BMB	0.068	0.456	0.2310
5	11.33	Sulfate	BMb	4.252	39.451	39.6182
7	12.68	Ortho as P	BMB	0.132	0.309	0.0729
		TOTAL:		30.10	309.02	228.02



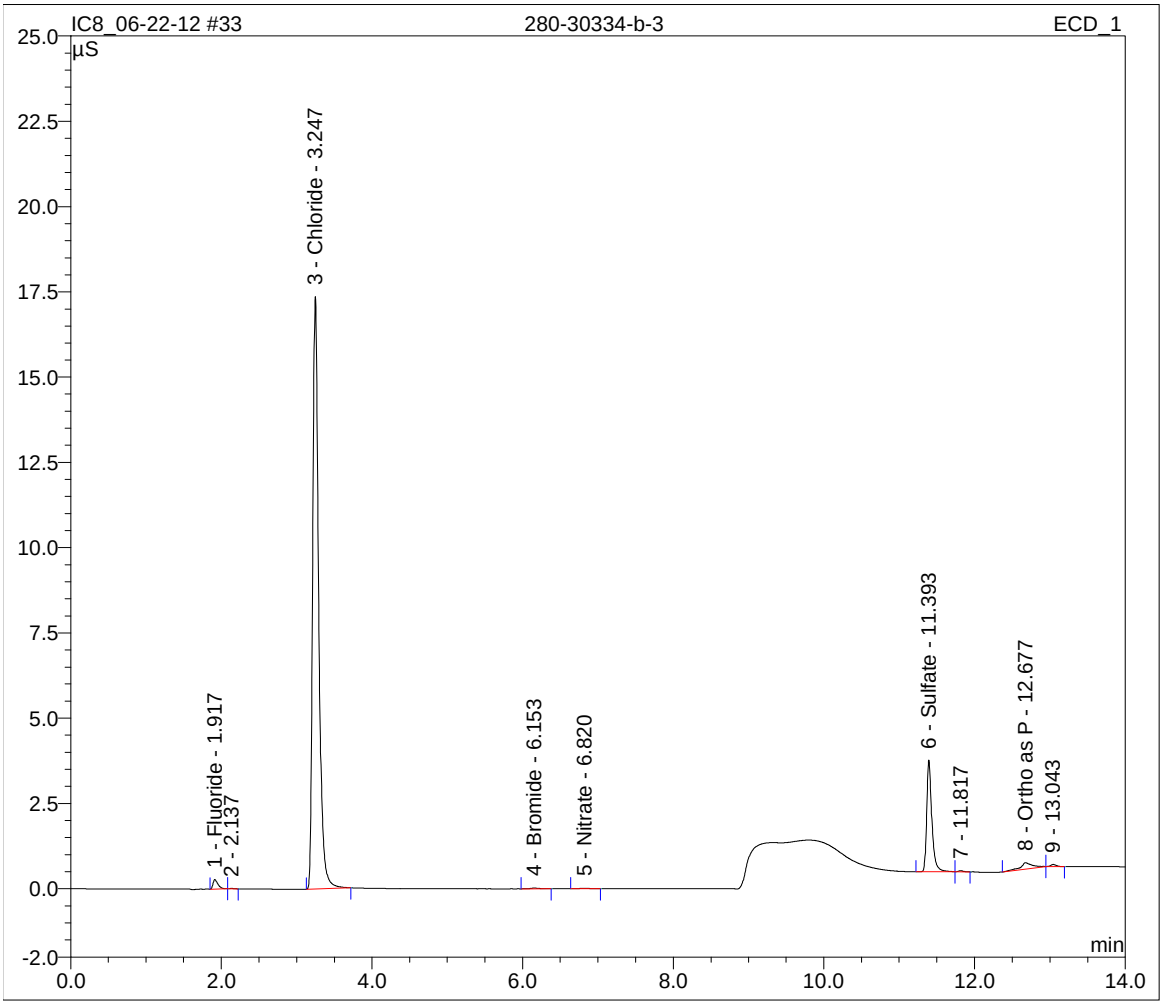
Sample Name:	**280-30334-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 15:50**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.013	0.159	0.0319
2	3.23	Chloride	BMB	24.212	253.529	177.4530
3	6.15	Bromide	BMB	0.013	0.094	0.2690
4	6.81	Nitrate	BMB	0.055	0.363	0.1924
5	11.33	Sulfate	BMB	4.189	39.142	39.0245
6	12.68	Ortho as P	BMB	0.061	0.225	-0.3015
		TOTAL:		28.54	293.51	216.67



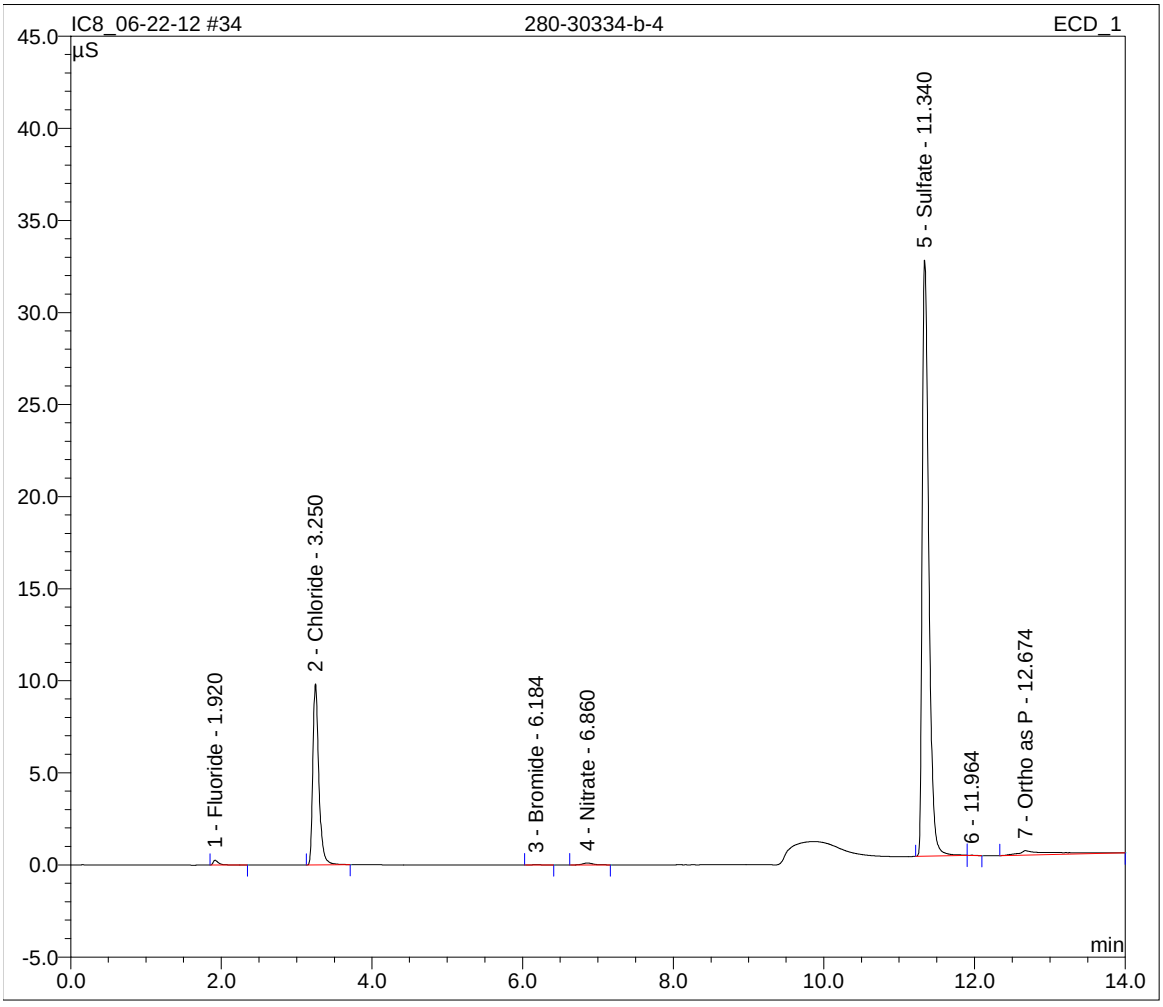
Sample Name:	**280-30334-b-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 16:07**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.021	0.279	0.0667
3	3.25	Chloride	BMB	1.600	17.367	11.7855
4	6.15	Bromide	BMB	0.003	0.020	0.0953
5	6.82	Nitrate	BMB	0.002	0.013	0.0403
6	11.39	Sulfate	BMB	0.259	3.269	2.1415
8	12.68	Ortho as P	BMB	0.034	0.189	-0.4429
		TOTAL:		1.92	21.14	13.69



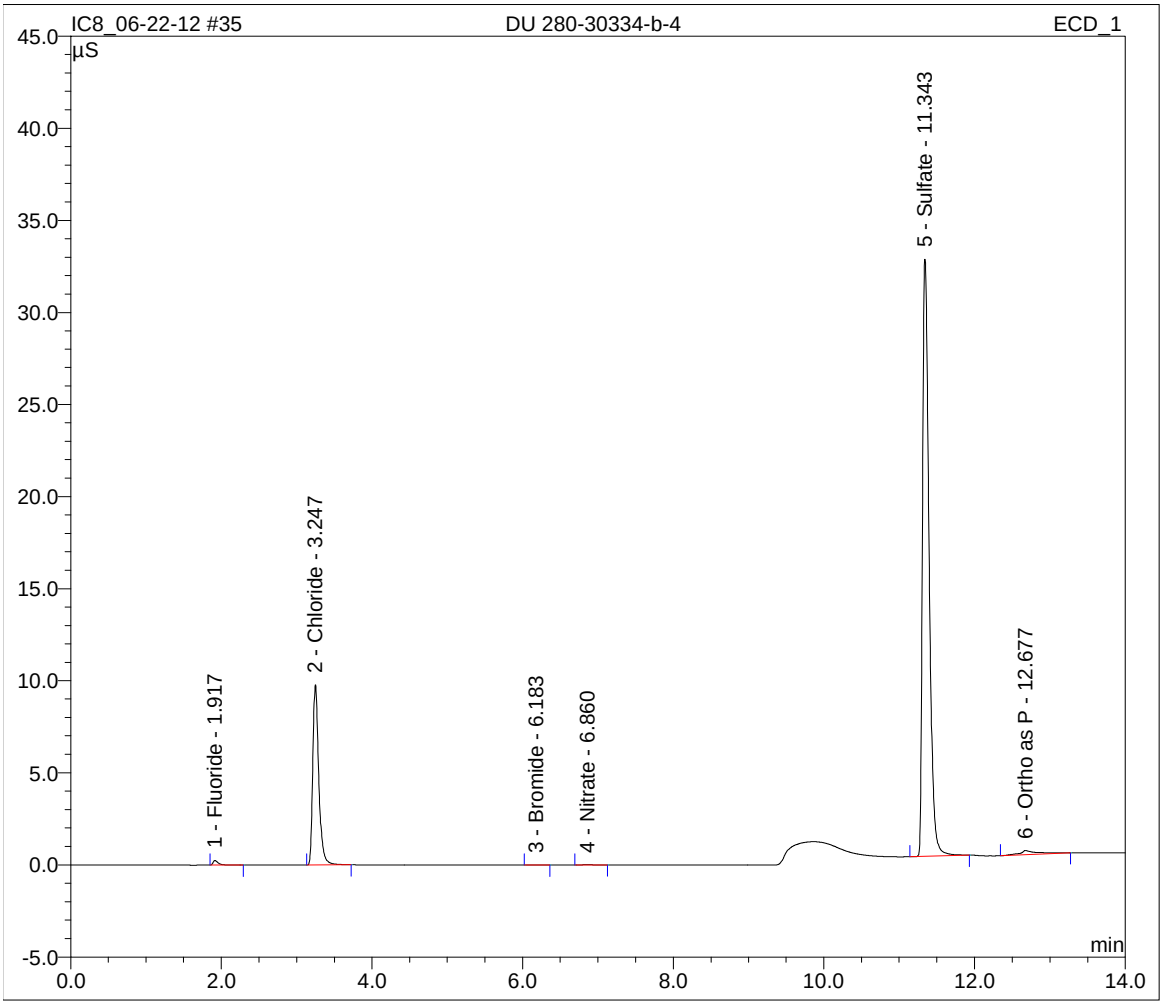
Sample Name:	**280-30334-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 16:23**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.022	0.264	0.0736
2	3.25	Chloride	BMB	0.904	9.829	6.6881
3	6.18	Bromide	BMB	0.001	0.010	0.0703
4	6.86	Nitrate	BMB	0.016	0.104	0.0795
5	11.34	Sulfate	BMB	3.271	32.379	30.4049
7	12.67	Ortho as P	BMB	0.128	0.240	0.0560
		TOTAL:		4.34	42.82	37.37



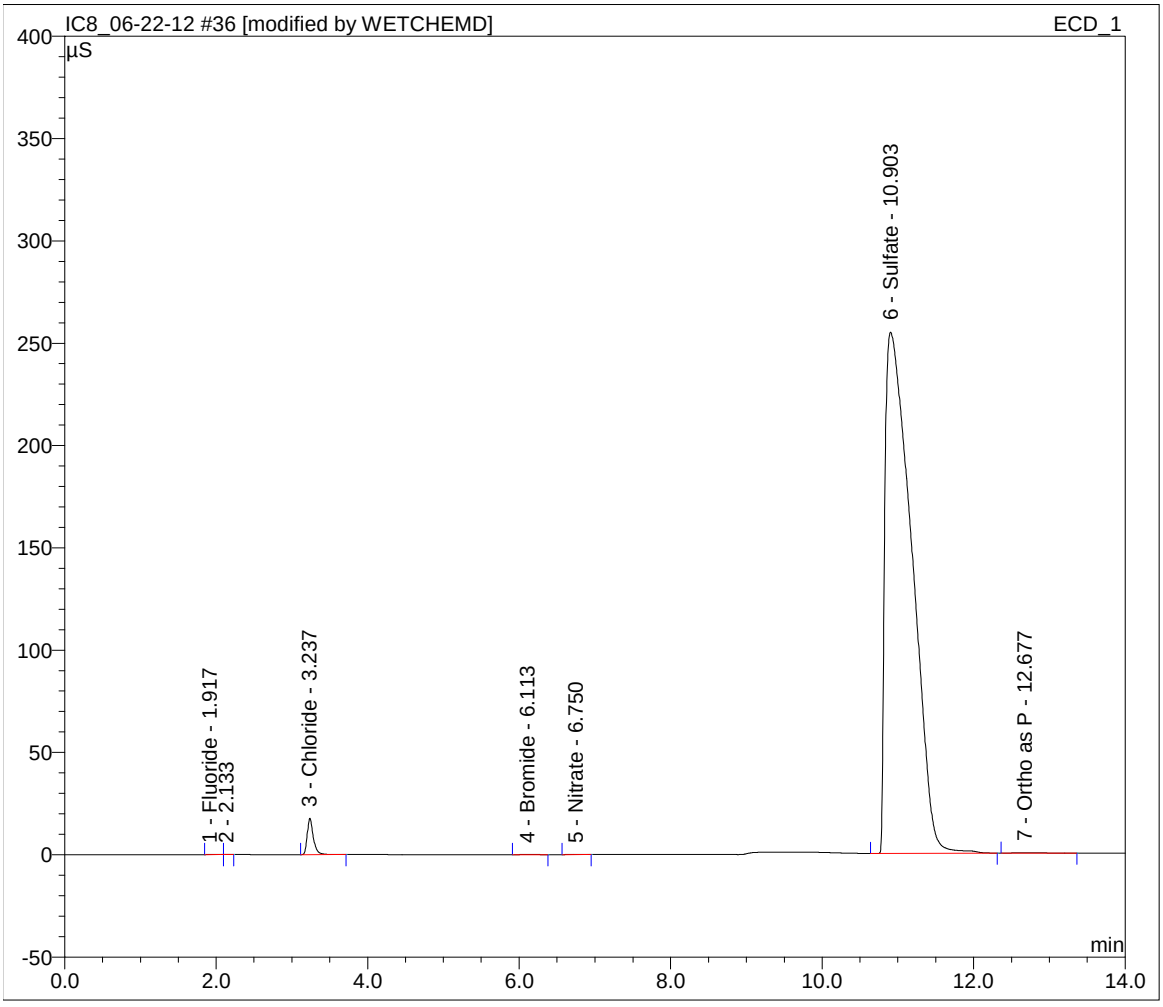
Sample Name:	**DU 280-30334-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 16:40**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.020	0.254	0.0652
2	3.25	Chloride	BMB	0.900	9.778	6.6556
3	6.18	Bromide	BMB	0.001	0.010	0.0703
4	6.86	Nitrate	BMB	0.003	0.019	0.0426
5	11.34	Sulfate	BMB	3.284	32.429	30.5275
6	12.68	Ortho as P	BMB	0.065	0.229	-0.2817
		TOTAL:		4.27	42.72	37.08



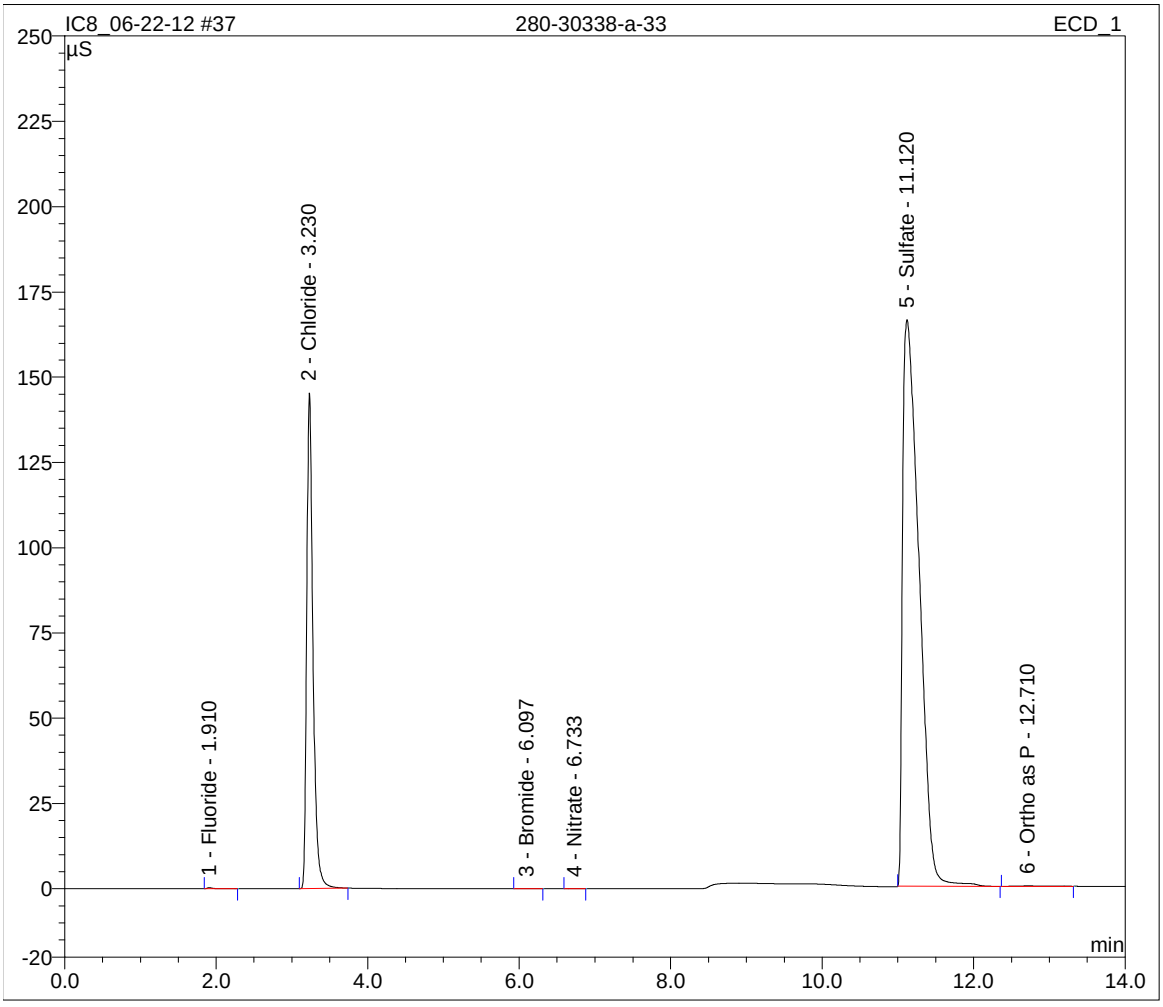
Sample Name:	**280-30338-a-4 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 16:57**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.019	0.158	0.1205
3	3.24	Chloride	BMB	1.651	17.711	24.3186
4	6.11	Bromide	BMB	0.006	0.045	0.3056
5	6.75	Nitrate	BMB	0.001	0.009	0.0765
6	10.90	Sulfate	BMB*	103.374	254.836	1939.9217
7	12.68	Ortho as P	BMB	0.064	0.193	-0.5670
		TOTAL:		105.12	272.95	1964.18



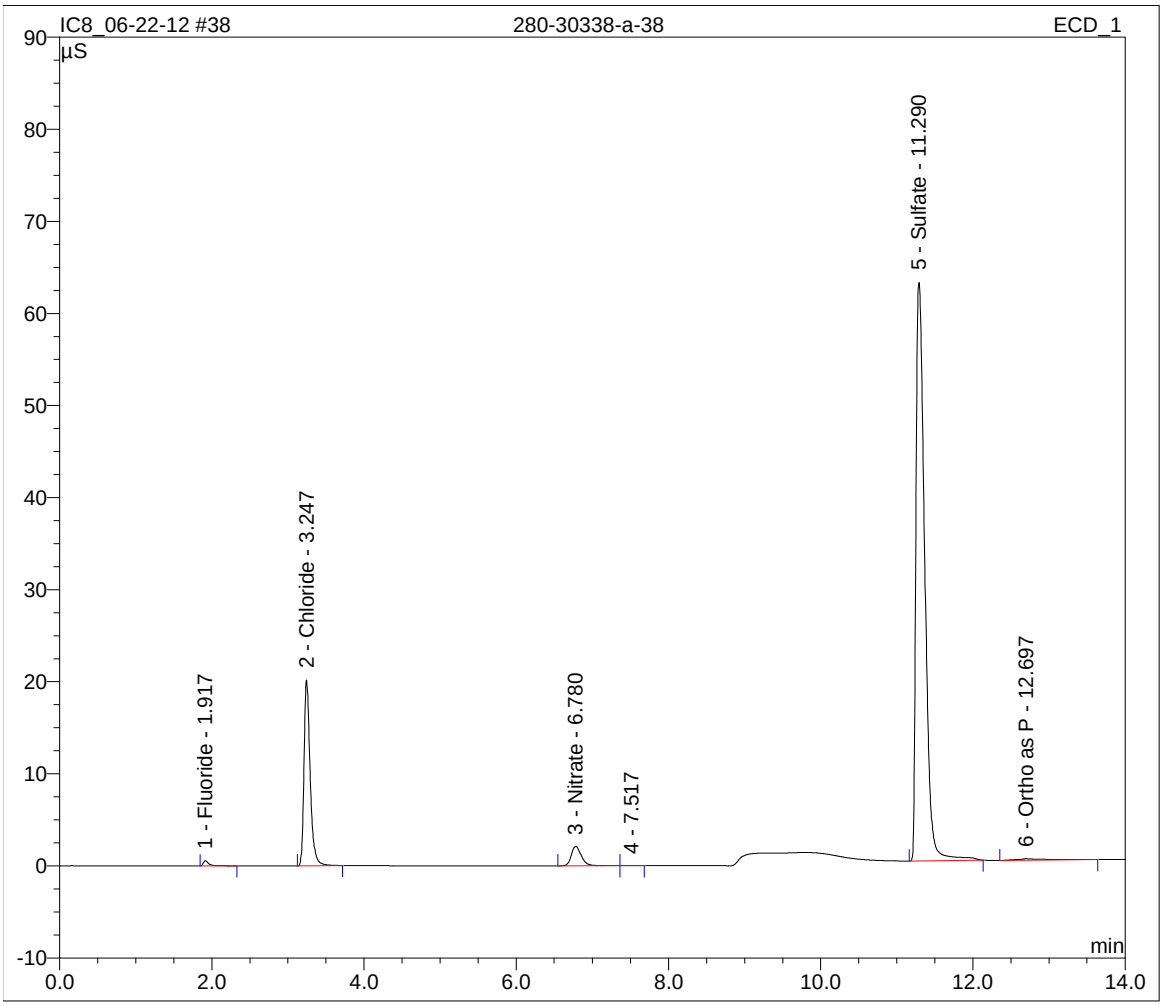
Sample Name:	**280-30338-a-33**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 17:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.028	0.321	0.0974
2	3.23	Chloride	BMB	13.909	145.302	101.9700
3	6.10	Bromide	BMB	0.004	0.033	0.1227
4	6.73	Nitrate	BMB	0.001	0.006	0.0368
5	11.12	Sulfate	BMB	41.868	166.089	392.6701
6	12.71	Ortho as P	BMB	0.059	0.165	-0.3113
		TOTAL:		55.87	311.92	494.59



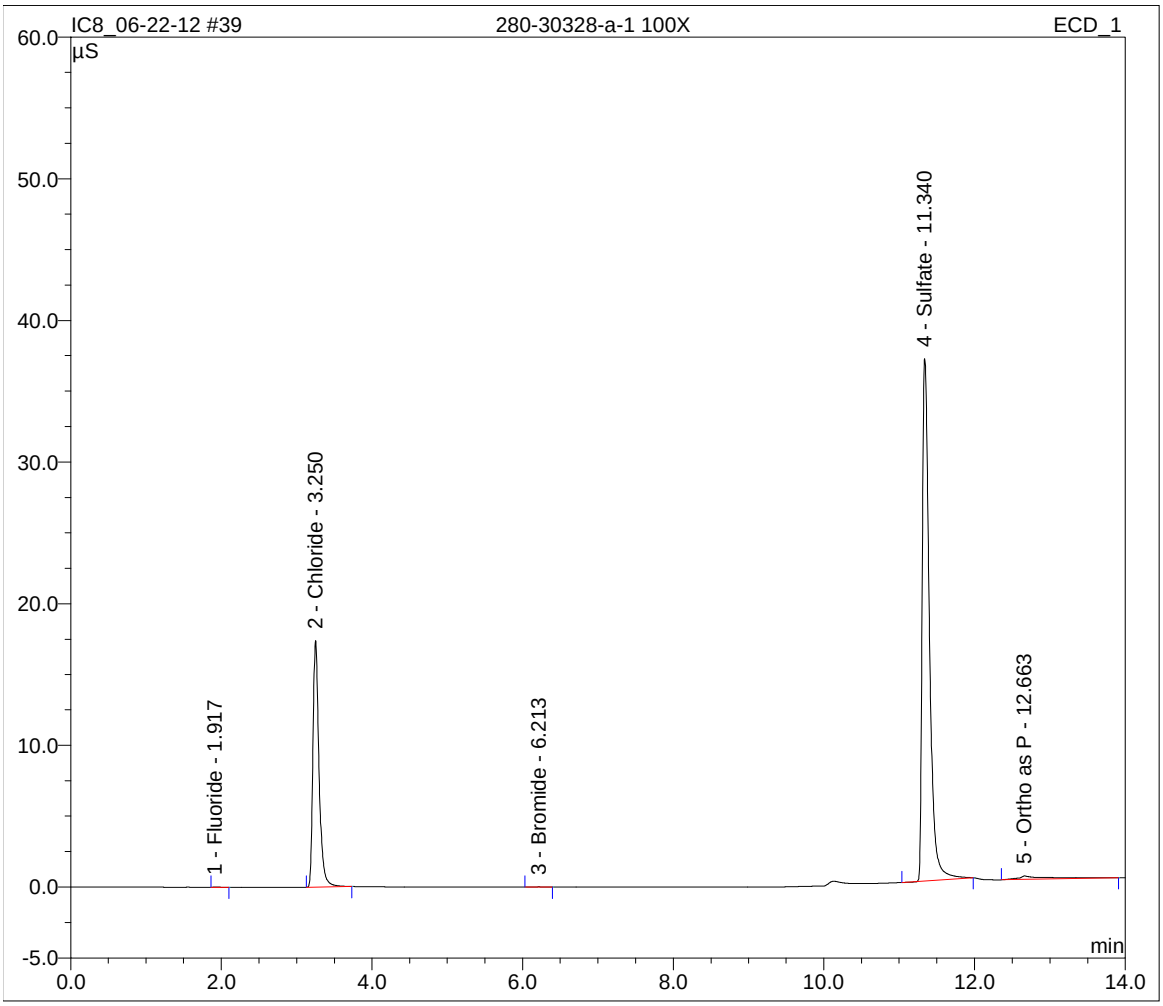
Sample Name:	**280-30338-a-38**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 17:31**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.048	0.571	0.1824
2	3.25	Chloride	BMB	1.876	20.153	13.8100
3	6.78	Nitrate	BMb	0.320	2.104	0.9601
5	11.29	Sulfate	BMB	8.458	62.830	79.0967
6	12.70	Ortho as P	BMB	0.078	0.174	-0.2114
		TOTAL:		10.78	85.83	93.84



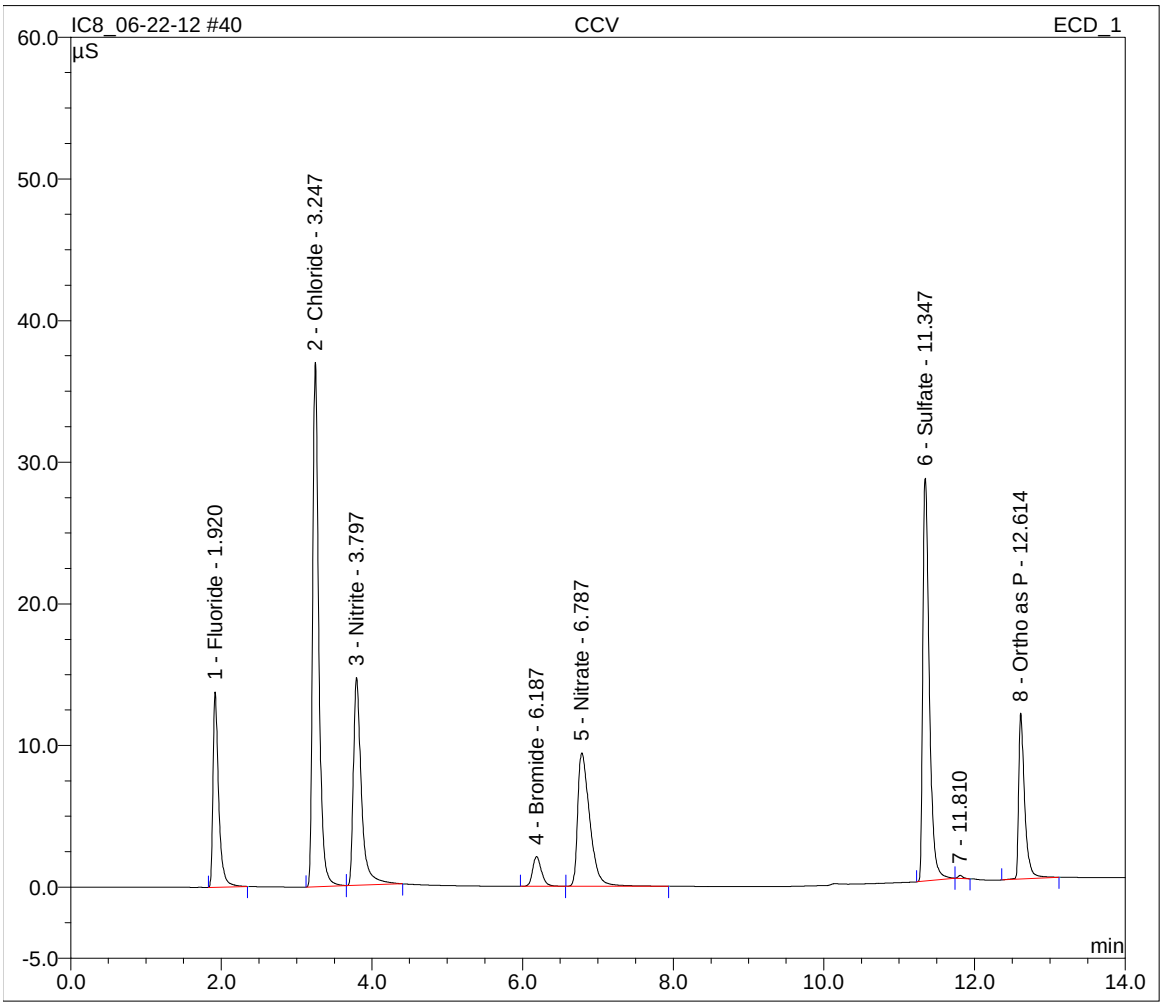
Sample Name:	**280-30328-a-1 100X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**100.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 17:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.001	0.009	-1.9389
2	3.25	Chloride	BMB	1.630	17.400	1200.4063
3	6.21	Bromide	BMB	0.002	0.014	8.1074
4	11.34	Sulfate	BMB	4.090	36.865	3809.9173
5	12.66	Ortho as P	BMB	0.114	0.244	-1.9355
		TOTAL:		5.84	54.53	5014.56



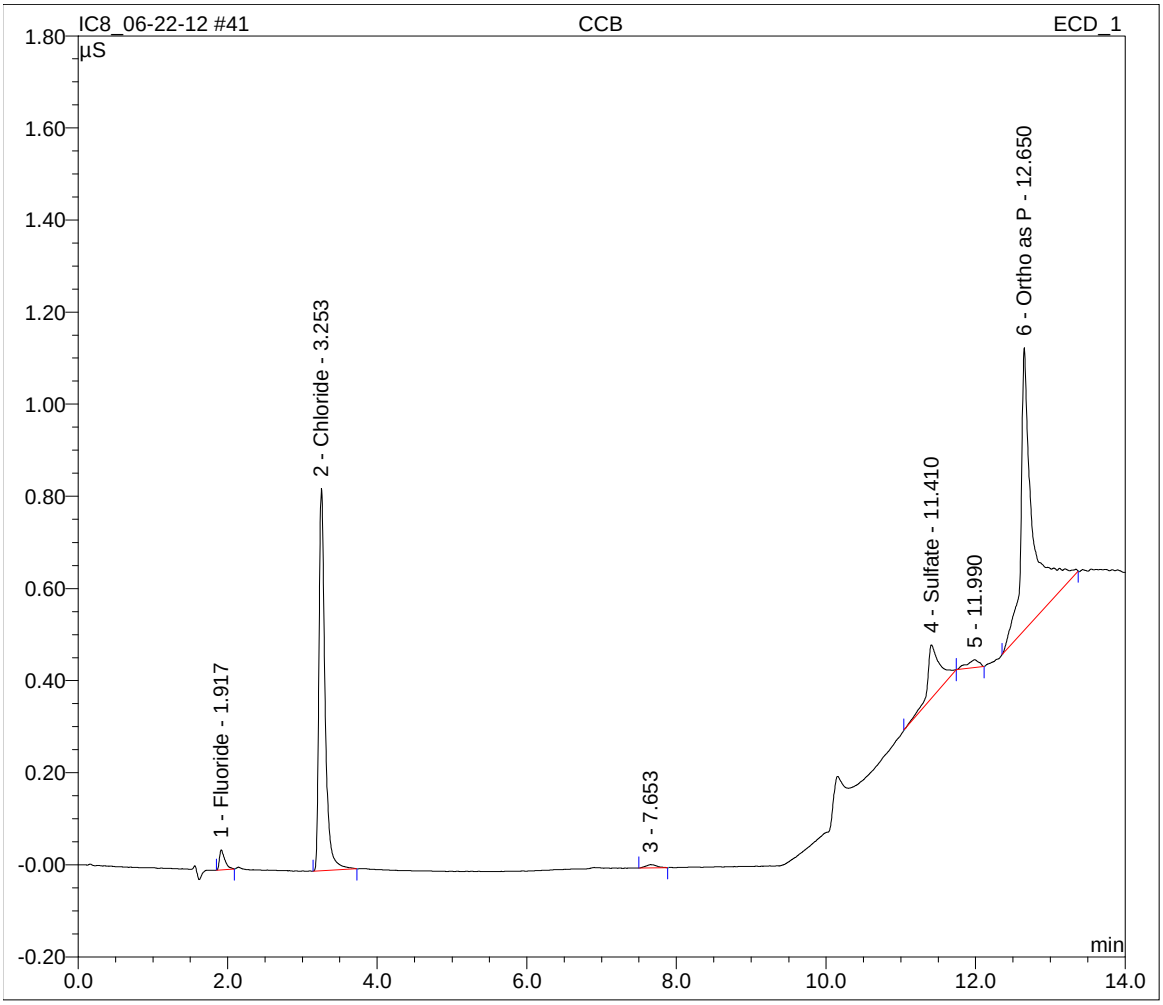
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 18:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.196	13.778	5.1121
2	3.25	Chloride	BMB	3.466	37.007	25.4578
3	3.80	Nitrite	BMB	1.798	14.667	4.9211
4	6.19	Bromide	BMB	0.289	2.103	5.0429
5	6.79	Nitrate	BMB	1.748	9.413	5.0921
6	11.35	Sulfate	BMb	2.848	28.433	26.4406
8	12.61	Ortho as P	BMB	1.079	11.692	5.0900
		TOTAL:		12.42	117.09	77.16



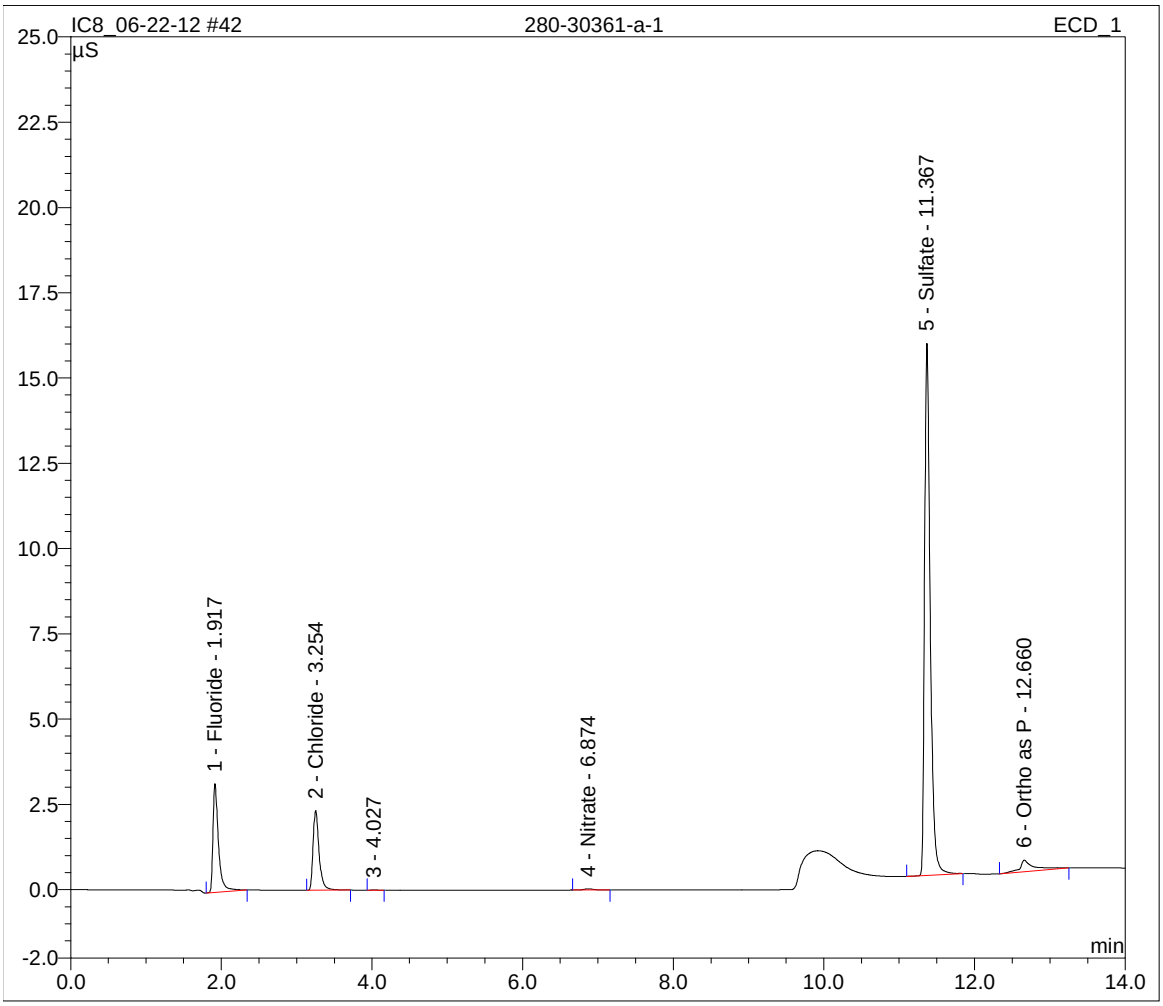
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 18:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.004	0.044	-0.0072
2	3.25	Chloride	BMB	0.078	0.830	0.6364
4	11.41	Sulfate	BMB	0.022	0.117	-0.0904
6	12.65	Ortho as P	BMB	0.115	0.613	-0.0160
		TOTAL:		0.22	1.60	0.52



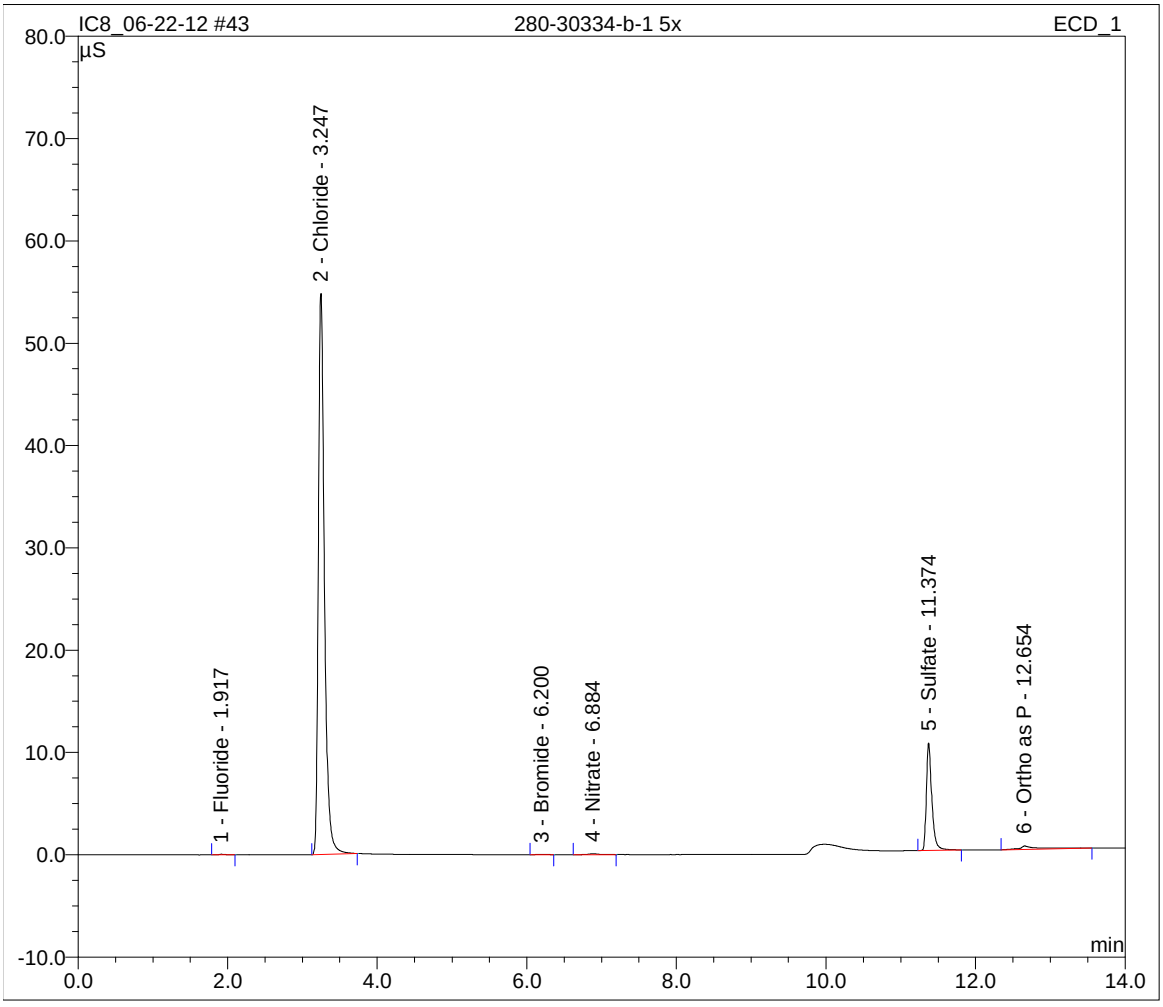
Sample Name:	**280-30361-a-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 18:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.270	3.183	1.1375
2	3.25	Chloride	BMB	0.216	2.329	1.6511
4	6.87	Nitrate	BMB	0.005	0.035	0.0500
5	11.37	Sulfate	BMB	1.360	15.606	12.4751
6	12.66	Ortho as P	BMB	0.073	0.343	-0.2350
		TOTAL:		1.93	21.50	15.08



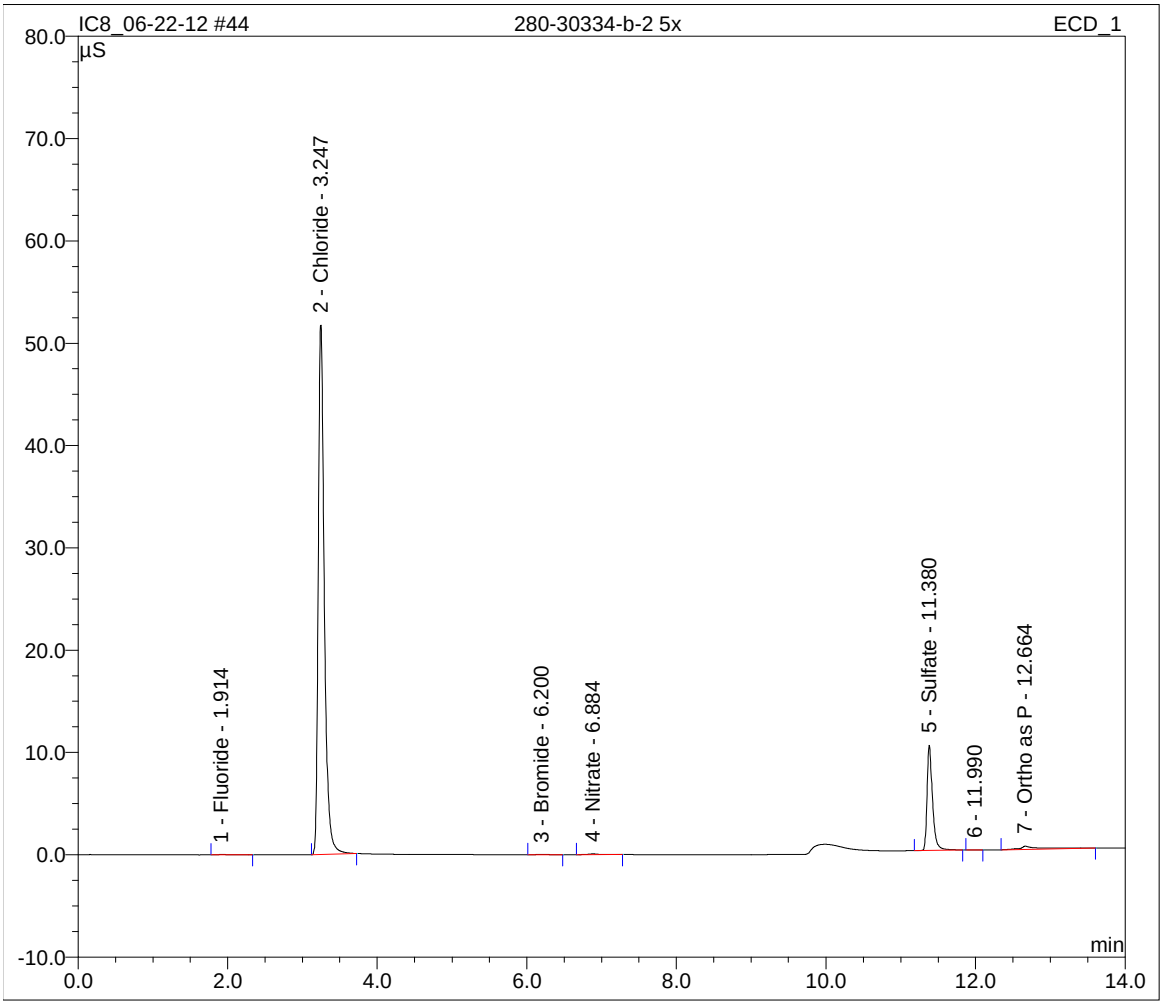
Sample Name:	**280-30334-b-1 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 18:55**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.004	0.052	-0.0191
2	3.25	Chloride	BMB	5.160	54.838	189.3304
3	6.20	Bromide	BMB	0.002	0.018	0.4273
4	6.88	Nitrate	BMB	0.012	0.082	0.3538
5	11.37	Sulfate	BMB	0.888	10.483	40.2309
6	12.65	Ortho as P	BMB	0.098	0.335	-0.5311
		TOTAL:		6.16	65.81	229.79



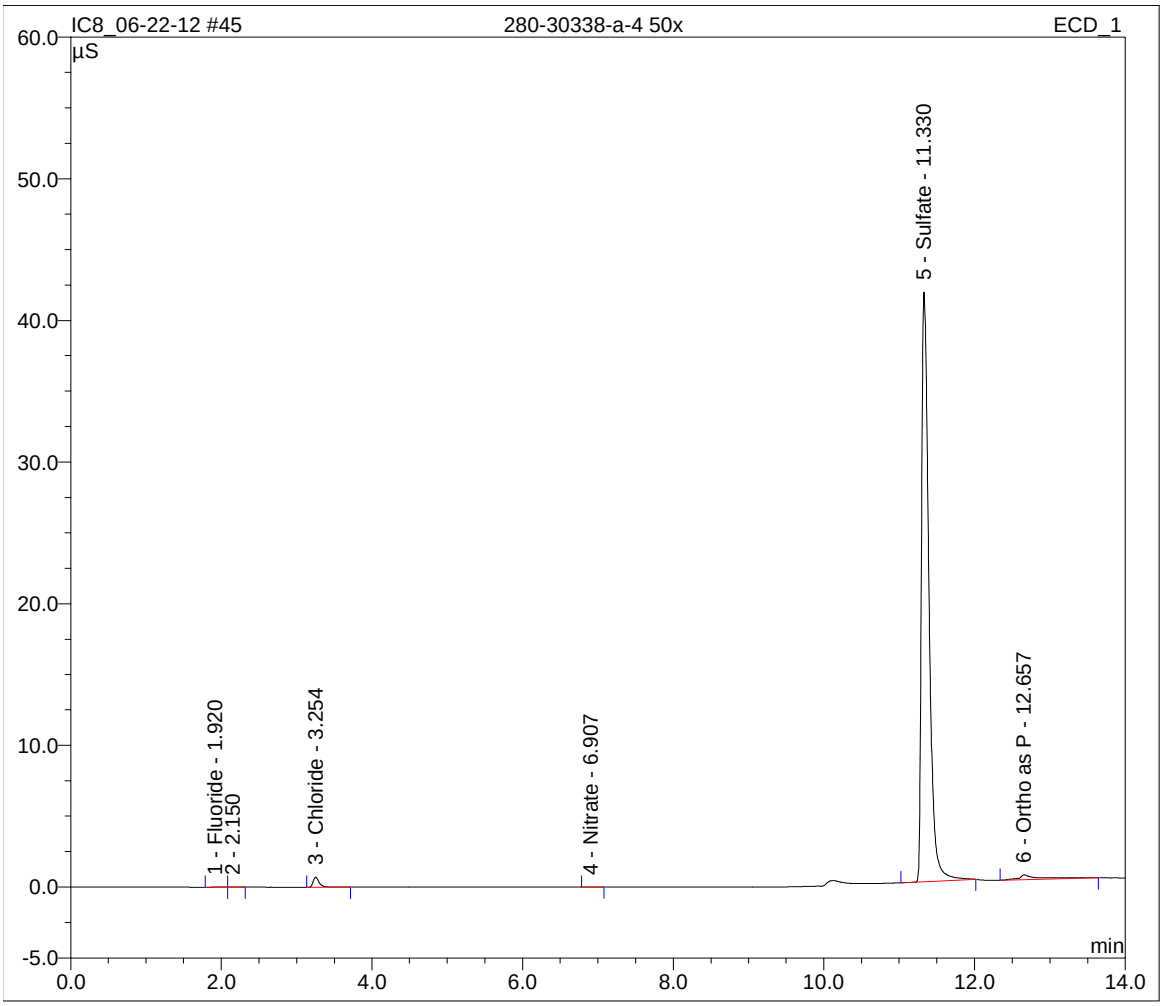
Sample Name:	**280-30334-b-2 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 19:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.042	-0.0129
2	3.25	Chloride	BMB	4.865	51.759	178.5563
3	6.20	Bromide	BMB	0.003	0.018	0.4595
4	6.88	Nitrate	BMB	0.011	0.069	0.3327
5	11.38	Sulfate	BMB	0.869	10.271	39.3246
7	12.66	Ortho as P	BMB	0.099	0.318	-0.4875
		TOTAL:		5.85	62.48	218.17



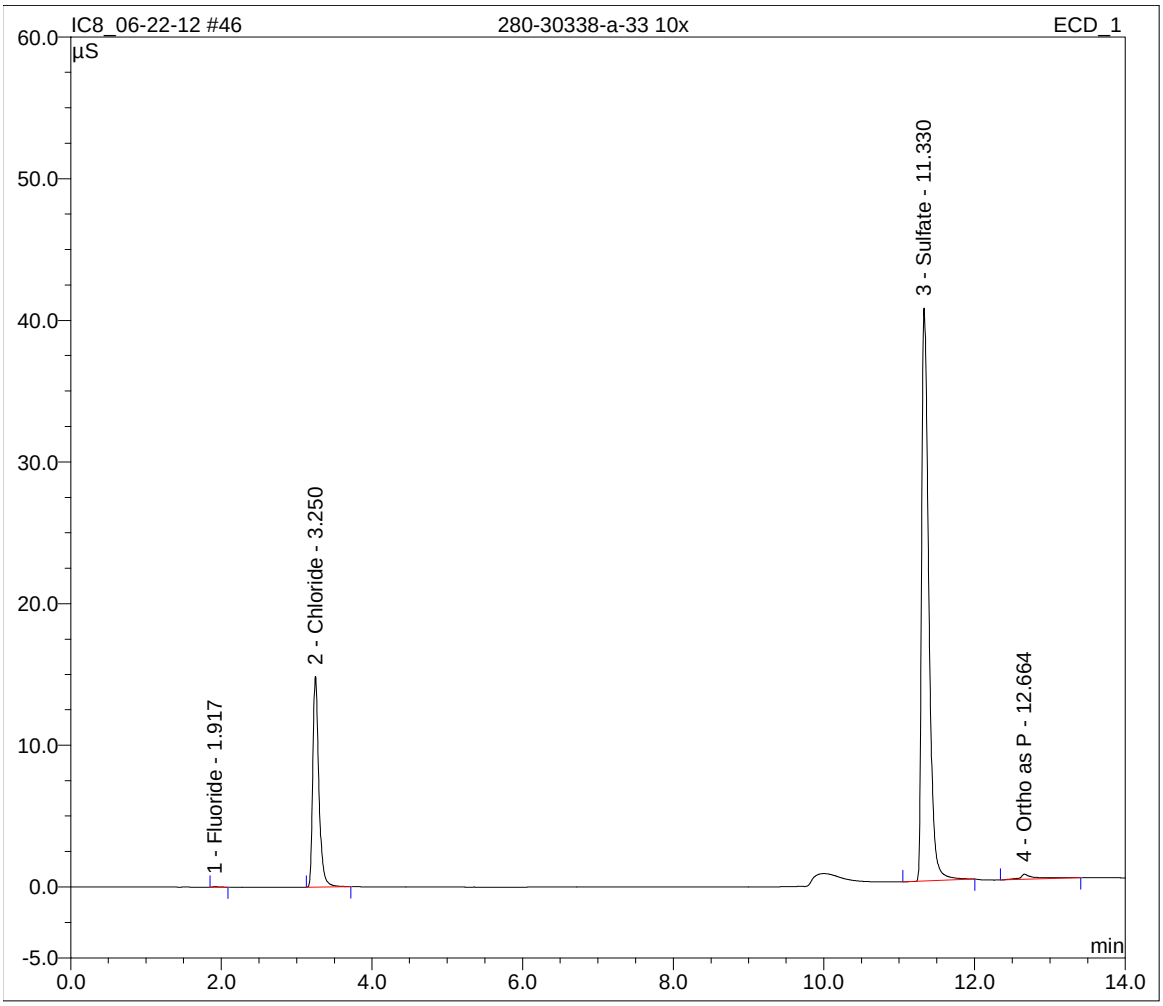
Sample Name:	**280-30338-a-4 50x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 19:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.002	0.017	-0.7653
3	3.25	Chloride	BMB	0.066	0.708	27.2816
4	6.91	Nitrate	BMB	0.001	0.005	1.8145
5	11.33	Sulfate	BMB	4.805	41.633	2240.2203
6	12.66	Ortho as P	BMB	0.106	0.343	-3.1742
		TOTAL:		4.98	42.71	2265.38



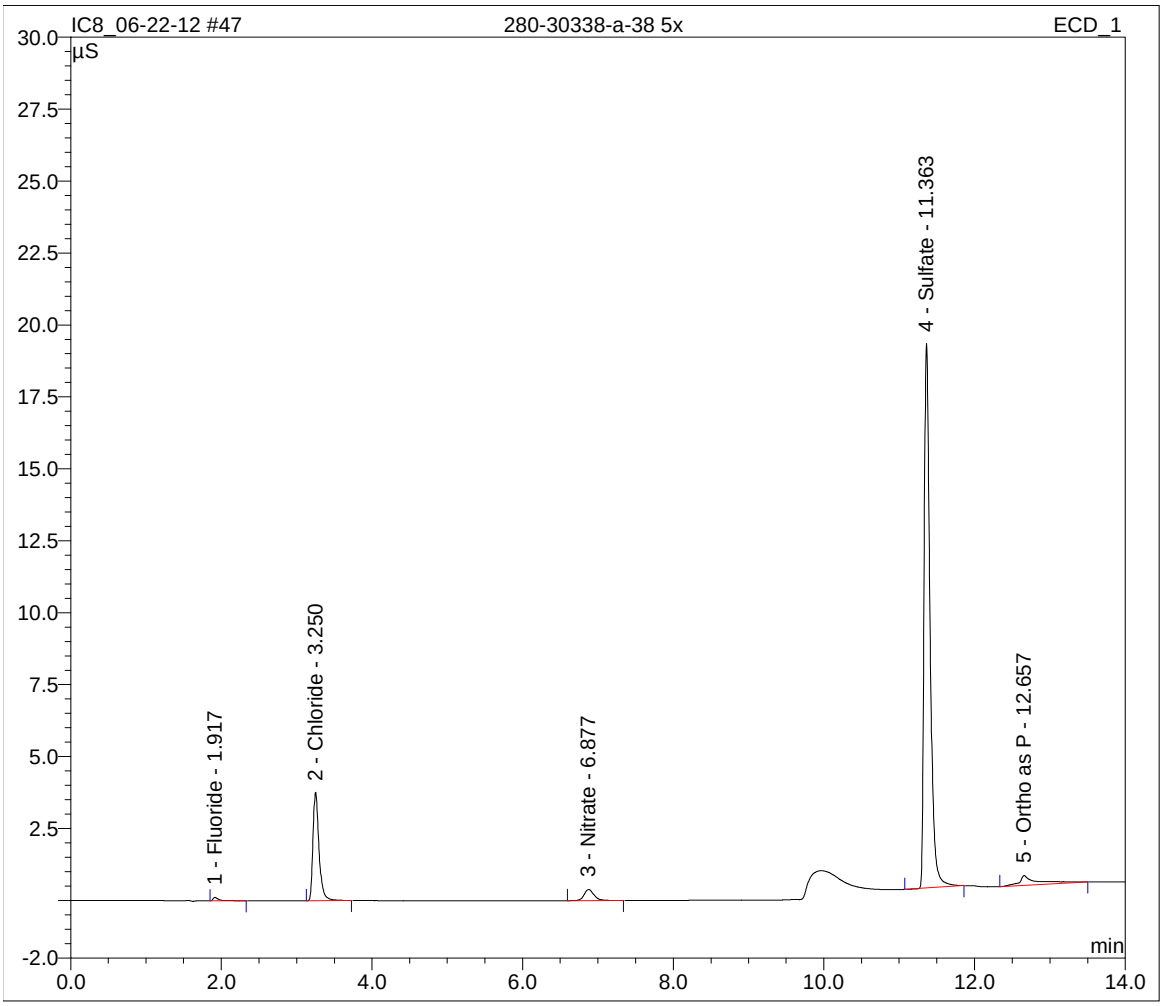
Sample Name:	**280-30338-a-33 10x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**10.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 19:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.003	0.038	-0.1022
2	3.25	Chloride	BMB	1.388	14.881	102.3670
3	11.33	Sulfate	BMB	4.510	40.443	420.3608
4	12.66	Ortho as P	BMB	0.085	0.371	-1.7615
		TOTAL:		5.99	55.73	520.86



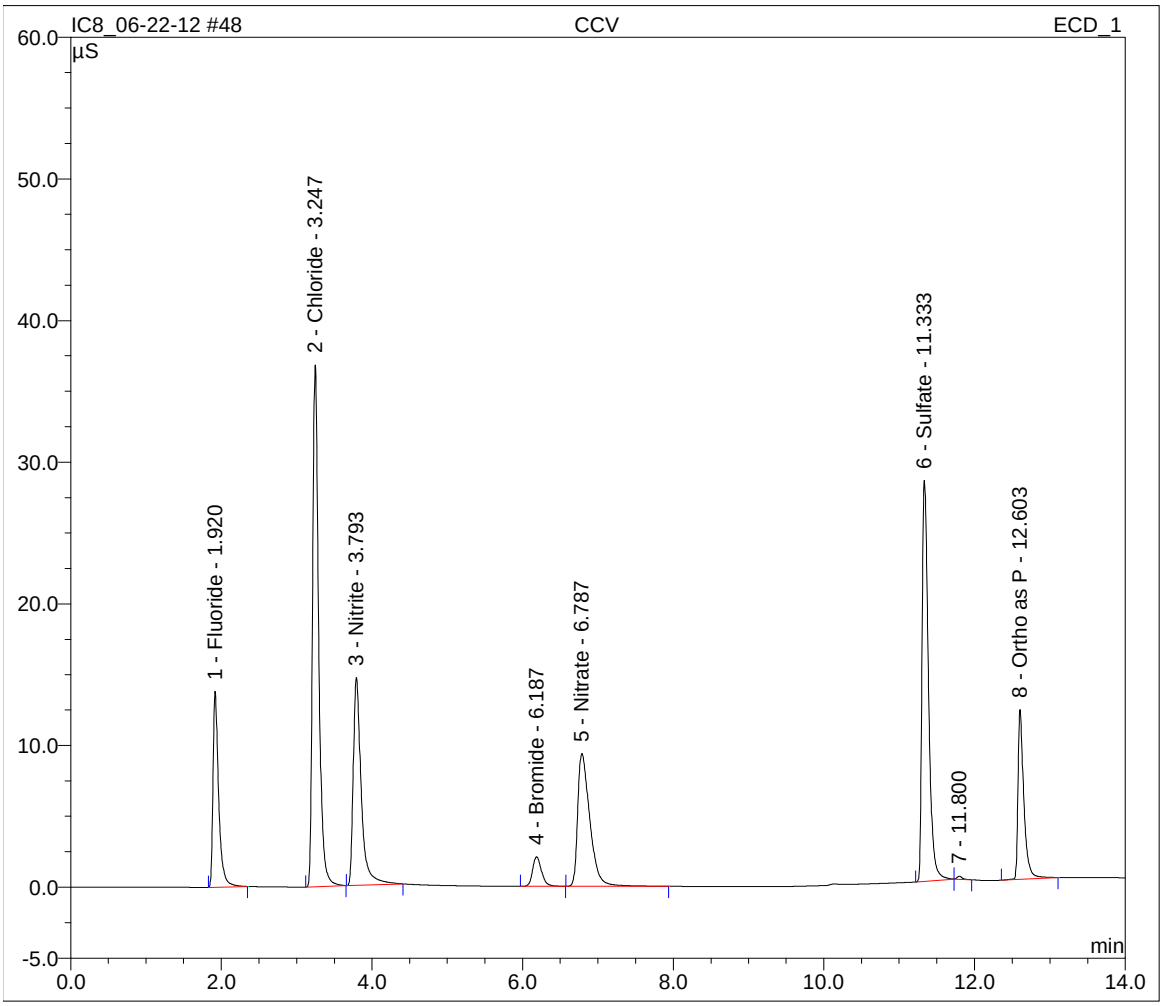
Sample Name:	**280-30338-a-38 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 20:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.010	0.118	0.1008
2	3.25	Chloride	BMB	0.350	3.762	13.1294
3	6.88	Nitrate	BMB	0.059	0.385	1.0241
4	11.36	Sulfate	BMB	1.734	18.925	79.9081
5	12.66	Ortho as P	BMB	0.093	0.342	-0.6558
		TOTAL:		2.25	23.53	93.51



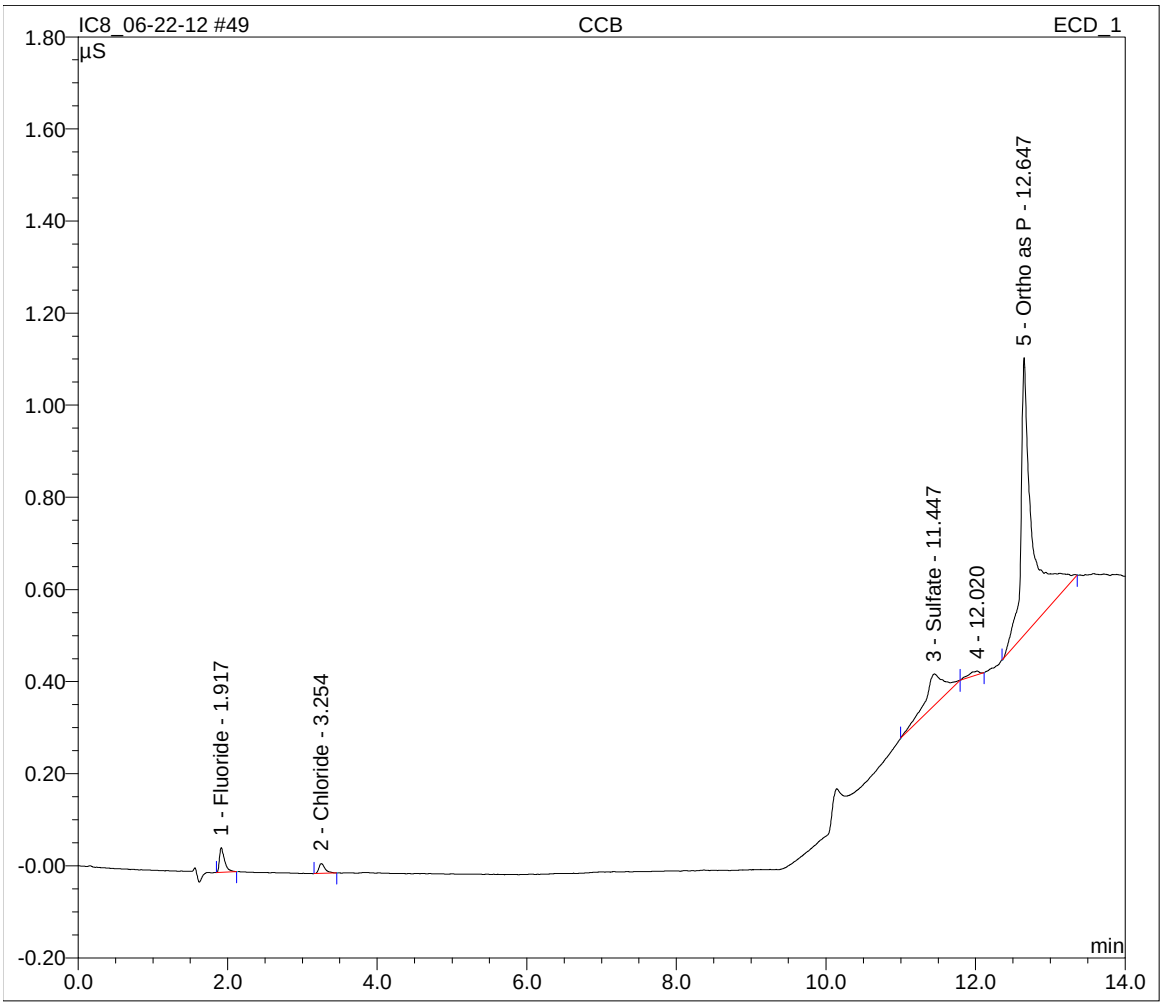
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 20:19**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.200	13.815	5.1311
2	3.25	Chloride	BMB	3.448	36.824	25.3298
3	3.79	Nitrite	BMB	1.797	14.669	4.9191
4	6.19	Bromide	BMB	0.289	2.091	5.0423
5	6.79	Nitrate	BMB	1.745	9.361	5.0835
6	11.33	Sulfate	BMb	2.823	28.311	26.2007
8	12.60	Ortho as P	BMB	1.088	11.978	5.1367
		TOTAL:		12.39	117.05	76.84



Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 20:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.004	0.054	-0.0046
2	3.25	Chloride	BMB	0.002	0.021	0.0802
3	11.45	Sulfate	BMB	0.020	0.069	-0.1079
5	12.65	Ortho as P	BMB	0.109	0.602	-0.0462
TOTAL:				0.14	0.75	-0.08



Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/22/2012 8:47:42 AM by WETCHEMD
#Samples: 50 Last Update: 6/25/2012 7:09:09 PM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time	Weight
1	RT CHECK	Unknown	181	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:14:11 PM	1.0000
2	cal1	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:31:00 PM	1.0000
3	cal2	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 1:47:48 PM	1.0000
4	cal3	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:04:36 PM	1.0000
5	cal4	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:21:25 PM	1.0000
6	cal5	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:38:13 PM	1.0000
7	cal6	Standard	151	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 2:55:01 PM	1.0000
8	BLK	Unknown	6	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:11:49 PM	1.0000
9	ICV STD#00816	Unknown	201	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:28:37 PM	1.0000
10	ICB	Unknown	186	10.0	7 Anion	7 ANION AS11	Finished	6/18/2012 3:45:26 PM	1.0000
11	ICV STD#00821	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:34:16 AM	1.0000
12	ICB	Unknown	187	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:55:13 AM	1.0000
13	MRL 0.05	Unknown	202	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 9:12:01 AM	1.0000
14	MRL 0.02	Unknown	203	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 9:28:49 AM	1.0000
15	LCS STD#00821	Unknown	194	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 9:45:38 AM	1.0000
16	LCSD	Unknown	193	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 10:02:26 AM	1.0000
17	MB	Unknown	143	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 10:33:42 AM	1.0000
18	280-30335-b-1	Unknown	139	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 11:55:02 AM	1.0000
19	280-30335-b-2	Unknown	175	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:11:50 PM	1.0000
20	DU 280-30335-b-2	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:28:39 PM	1.0000
21	MS 280-30335-b-2	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 12:45:27 PM	1.0000
22	MSD 280-30335-b-2	Unknown	178	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 1:02:15 PM	1.0000
23	280-30335-b-3	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 1:19:03 PM	1.0000
24	280-30335-b-4	Unknown	177	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 1:35:51 PM	1.0000
25	280-30335-b-5	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 1:52:39 PM	1.0000
26	280-30335-b-6	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 2:09:28 PM	1.0000
27	280-30328-a-1 5X	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 2:26:16 PM	1.0000
28	CCV	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 2:43:04 PM	1.0000
29	CCB	Unknown	176	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 2:59:52 PM	1.0000
30	280-30328-a-2	Unknown	179	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 3:16:41 PM	1.0000
31	280-30334-b-1	Unknown	180	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 3:33:29 PM	1.0000
32	280-30334-b-2	Unknown	411	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 3:50:17 PM	1.0000
33	280-30334-b-3	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 4:07:06 PM	1.0000
34	280-30334-b-4	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 4:23:54 PM	1.0000
35	DU 280-30334-b-4	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 4:40:42 PM	1.0000
36	280-30338-a-4 2X	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 4:57:30 PM	1.0000
37	280-30338-a-33	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 5:14:19 PM	1.0000
38	280-30338-a-38	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 5:31:06 PM	1.0000
39	280-30328-a-1 100X	Unknown	414	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 5:47:55 PM	1.0000
40	CCV	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 6:04:43 PM	1.0000
41	CCB	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 6:21:31 PM	1.0000
42	280-30361-a-1	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 6:38:19 PM	1.0000
43	280-30334-b-1 5x	Unknown	412	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 6:55:08 PM	1.0000
44	280-30334-b-2 5x	Unknown	413	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 7:11:56 PM	1.0000

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/22/2012 8:47:42 AM by WETCHEMD
#Samples: 50 Last Update: 6/25/2012 7:09:09 PM by WETCHEMD

No.	Name	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
1	RT CHECK	1.0000	1.0000	100		EMK
2	cal1	1.0000	1.0000	101		EMK
3	cal2	1.0000	1.0000	102		EMK
4	cal3	1.0000	1.0000	103		EMK
5	cal4	1.0000	1.0000	104		EMK
6	cal5	1.0000	1.0000	105		EMK
7	cal6	1.0000	1.0000	106		EMK
8	BLK	1.0000	1.0000	107		EMK
9	ICV STD#00816	1.0000	1.0000	108		EMK
10	ICB	1.0000	1.0000	109		EMK
11	ICV STD#00821	1.0000	1.0000	110		EMK
12	ICB	1.0000	1.0000	111		EMK
13	MRL 0.05	1.0000	1.0000	112		EMK
14	MRL 0.02	1.0000	1.0000	113		EMK
15	LCS STD#00821	1.0000	1.0000	114		EMK
16	LCSD	1.0000	1.0000	115		EMK
17	MB	1.0000	1.0000	116		EMK
18	280-30335-b-1	1.0000	1.0000	117		EMK
19	280-30335-b-2	1.0000	1.0000	118		EMK
20	DU 280-30335-b-2	1.0000	1.0000	119		EMK
21	MS 280-30335-b-2	1.0000	1.0000	120		EMK
22	MSD 280-30335-b-2	1.0000	1.0000	121		EMK
23	280-30335-b-3	1.0000	1.0000	122		EMK
24	280-30335-b-4	1.0000	1.0000	123		EMK
25	280-30335-b-5	1.0000	1.0000	124		EMK
26	280-30335-b-6	1.0000	1.0000	125		EMK
27	280-30328-a-1 5X	5.0000	1.0000	126		EMK
28	CCV	1.0000	1.0000	127		EMK
29	CCB	1.0000	1.0000	128		EMK
30	280-30328-a-2	1.0000	1.0000	129		EMK
31	280-30334-b-1	1.0000	1.0000	130		EMK
32	280-30334-b-2	1.0000	1.0000	131		EMK
33	280-30334-b-3	1.0000	1.0000	132		EMK
34	280-30334-b-4	1.0000	1.0000	133		EMK
35	DU 280-30334-b-4	1.0000	1.0000	134		EMK
36	280-30338-a-4 2X	2.0000	1.0000	135		EMK
37	280-30338-a-33	1.0000	1.0000	136		EMK
38	280-30338-a-38	1.0000	1.0000	137		EMK
39	280-30328-a-1 100X	100.0000	1.0000	138		EMK
40	CCV	1.0000	1.0000	139		EMK
41	CCB	1.0000	1.0000	140		EMK
42	280-30361-a-1	1.0000	1.0000	141		EMK
43	280-30334-b-1 5x	5.0000	1.0000	142		EMK
44	280-30334-b-2 5x	5.0000	1.0000	143		EMK

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/22/2012 8:47:42 AM by WETCHEMD
#Samples: 50 Last Update: 6/25/2012 7:09:09 PM by WETCHEMD

No.	Name	Type	Pos.	Inj. Vol.	Program	Method	Status	Inj. Date/Time	Weight
45	280-30338-a-4 50x	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 7:28:44 PM	1.0000
46	280-30338-a-33 10x	Unknown	421	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 7:45:33 PM	1.0000
47	280-30338-a-38 5x	Unknown	422	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:02:21 PM	1.0000
48	CCV	Unknown	424	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:19:09 PM	1.0000
49	CCB	Unknown	425	10.0	7 Anion	7 ANION AS11	Finished	6/22/2012 8:35:57 PM	1.0000
50	END	Unknown	421	10.0	stop	7 ANION AS11	Finished	6/22/2012 8:52:46 PM	1.0000

Title: Temporary sequence for manual data acquisition
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12
Timebase: ICS-8 Created: 6/22/2012 8:47:42 AM by WETCHEMD
#Samples: 50 Last Update: 6/25/2012 7:09:09 PM by WETCHEMD

No.	Name	Dil. Factor	ISTD Amount	Sample ID	Replicate ID	Comment
45	280-30338-a-4 50x	50.0000	1.0000	144		EMK
46	280-30338-a-33 10x	10.0000	1.0000	145		EMK
47	280-30338-a-38 5x	5.0000	1.0000	146		EMK
48	CCV	1.0000	1.0000	147		EMK
49	CCB	1.0000	1.0000	148		EMK
50	END	1.0000	1.0000	149		EMK

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

	Pressure.LowerLimit =	200 [psi]
	Pressure.UpperLimit =	3000 [psi]
	%A.Equate =	"DI H2O"
	CR_TC =	On
	Pump_InjectValve.State	LoadPosition
	Data_Collection_Rate =	5.0 [Hz]
	CellTemperature.Nominal =	35.0 [°C]
	ColumnTemperature.Nominal =	30.0 [°C]
	Suppressor_Type =	ASRS_4mm
	; Pump_ECD.Hydroxide =	50.0
	; Pump_ECD.Recommended Current =	124
	; Pump_ECD.Carbonate =	0.0
	; Pump_ECD.Bicarbonate =	0.0
	; Pump_ECD.Tetraborate =	0.0
	; Pump_ECD.Other eluent =	0.0
	Suppressor_Current =	125 [mA]
	Flow =	1.00 [ml/min]
-2.700	Pump_ECD_Relay_1.Open	Duration=0.01
	Concentration =	10.00 [mM]
	Curve =	5
-2.500	Pump_ECD_Relay_1.Closed	Duration=0.01
0.000	Autozero	
	ECD_1.AcqOn	
	Pump_InjectValve.InjectPosition	Duration=720.00
7.500	Concentration =	10.00 [mM]
	Curve =	5
10.500	Concentration =	40.00 [mM]
	Curve =	5
10.600	Concentration =	50.00 [mM]
	Curve =	5
12.500	Concentration =	50.00 [mM]
	Curve =	5
12.600	Concentration =	10.00 [mM]
	Curve =	5
13.000	Concentration =	10.00 [mM]

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Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Created: 3/20/2008 10:44:59 AM by kudlae
Timebase: ICS-8 Changed: 3/31/2008 10:13:48 AM by kudlae

```
           Curve =                          5

14.000     ECD_1.AcqOff
           End
```

Title:
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ
Timebase: ICS-8
Created: 3/20/2008 10:44:59 AM by kudlae
Changed: 3/31/2008 10:13:48 AM by kudlae

No.	Channel	Operation	Parameters

Title: Stop
Datasource: D3YCYMF1_local Created: 3/11/2008 4:10:47 PM by Test America Labs
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ
Timebase: ICS-8 Changed: 3/11/2008 4:10:47 PM by Test America Labs

```
           ColumnTemperature =                Off
           CellTemperature.Nominal =          Off
; Pump_ECD.Hydroxide =                        50.0
; Pump_ECD.Recommended Current =              124
; Pump_ECD.Carbonate =                        0.0
; Pump_ECD.Bicarbonate =                      0.0
; Pump_ECD.Tetraborate =                      0.0
; Pump_ECD.Other eluent =                     0.0
           Pressure.LowerLimit =              200
           Pressure.UpperLimit =              3000
           %A.Equate =                        "DI H2O"
           CR_TC =                            Off
           ;LoadPosition
           Data_Collection_Rate =             5.0
           Suppressor_Type =                  ASRS_4mm
           Suppressor_Current =               124
           Suppressor_Mode =                  Off
           ECD_Total.Step =                   0.50
           ECD_Total.Average =                Off
           Channel_Pressure.Step =            0.50
           Channel_Pressure.Average =         Off

           Pump_ECD_Relay_1.Open
           Concentration =                    10.00
           Curve =                            5

           Pump_ECD_Relay_1.State             Open
           Mode =                             Off
           Flow =                             1.00

 0.000     off

           End
```

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Title: Stop
Datasource: D3YCYMF1_local
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ
Timebase: ICS-8
Created: 3/11/2008 4:10:47 PM by Test America Labs
Changed: 3/11/2008 4:10:47 PM by Test America Labs

No.	Channel	Operation	Parameters

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Blank Run Subtraction: No Blank Run Subtraction

Detection Table:

No.	Ret. Time [min]	Param. Name	Param. Value	Channel
1	0.000	Minimum Area	0.5E-3 "[Signal]*min"	All Channels
2	0.000	Sensitivity	0.8E-3 "[Signal]"	All Channels
3	0.000	Inhibit Integration	On	All Channels
4	0.000	Valley to Valley	On	All Channels
5	0.000	Fronting Sensitivity Factor	5.0	All Channels
6	0.000	Tailing Sensitivity Factor	6.0	All Channels
7	1.500	Void Volume Treatment	On	All Channels
8	1.500	Inhibit Integration	Off	All Channels
9	1.800	Void Volume Treatment	Off	All Channels
10	2.000	Maximum Width	0.75 min	All Channels
11	8.200	Inhibit Integration	On	All Channels
12	11.000	Inhibit Integration	Off	All Channels

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Group	Comment	Amount BLK	Amount cal1
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*		*Autogenerated*	*0.000000*	*0.200000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto		Autogenerated	0.000000	0.200000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Peak Table:

Use Recently Detected Retention Times: Off
Peak Retention Time Determination: Absolute
Dead time:
Delay Time of 2'nd Detector: <None>
Delay Time of 3'rd Detector: <None>

No.	Peak Name	Ret.Time	Amount cal2	Amount cal3	Amount cal4	Amount cal5	Amount cal6
1	*Fluoride*	*1.900 min*	*0.500000*	*1.000000*	*4.000000*	*8.000000*	*10.000000*
2	Acetate	2.700 min	0.500000	1.000000	4.000000	8.000000	10.000000
3	Chloride	3.300 min	2.500000	5.000000	20.000000	40.000000	50.000000
4	Nitrite	3.800 min	0.500000	1.000000	4.000000	8.000000	10.000000
5	Bromide	6.300 min	0.500000	1.000000	4.000000	8.000000	10.000000
6	Nitrate	7.000 min	0.500000	1.000000	4.000000	8.000000	10.000000
7	Sulfate	11.400 min	2.500000	5.000000	20.000000	40.000000	50.000000
8	Ortho as P	12.600 min	0.500000	1.000000	4.000000	8.000000	10.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Window	Standard	Int.Type	Cal.Type	Peak Type	Left Limit	Right Limit	Group	Resp.Fact.
1	*Fluoride*	*1.900 min*	*7.000 RN*	*External*	*Area*	*XLOff*	*Auto*	*0.000*	*0.000*		*1.000000*
2	Acetate	2.700 min	3.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
3	Chloride	3.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
4	Nitrite	3.800 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
5	Bromide	6.300 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
6	Nitrate	7.000 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
7	Sulfate	11.400 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000
8	Ortho as P	12.600 min	5.000 RN	External	Area	XLOff	Auto	0.000	0.000		1.000000

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Amount Table:

Dimension of Amounts: mg/L
Reference volume for amounts: Use inject volume of first standard
Number of Amount Columns: 7
Sample column used for amount column assignment: Sample Name

No.	Peak Name	Ret.Time	Comment
1	*Fluoride*	*1.900 min*	*Autogenerated*
2	Acetate	2.700 min	Autogenerated
3	Chloride	3.300 min	Autogenerated
4	Nitrite	3.800 min	Autogenerated
5	Bromide	6.300 min	Autogenerated
6	Nitrate	7.000 min	Autogenerated
7	Sulfate	11.400 min	Autogenerated
8	Ortho as P	12.600 min	Autogenerated

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Smp.No.	Pos.	Inj. Vol.	Weight	ISTD Amount	Dil. Factor	Inj. Date/Time	Sample Comment
1	☒	cal1	2	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:31:	EMK
2	☒	cal2	3	151	10.0	1.0000	1.0000	1.0000	6/18/2012 1:47:	EMK
3	☒	cal3	4	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:04:	EMK
4	☒	cal4	5	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:21:	EMK
5	☒	cal5	6	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:38:	EMK
6	☒	cal6	7	151	10.0	1.0000	1.0000	1.0000	6/18/2012 2:55:	EMK

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

Calibration:

Calibration Mode: Total
Auto Recalibrate: On
Curve Fitting Model: Normal
Dual-Column Separate Calibration: Off

No.	Enabled	Name	Calib.	Comment
1	☒	cal1	Ok	
2	☒	cal2	Ok	
3	☒	cal3	Ok	
4	☒	cal4	Ok	
5	☒	cal5	Ok	
6	☒	cal6	Ok	

Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Sample Condition	Test Condition	Aggregate	Operator	Value	Channel	Peak	N.A.
1									

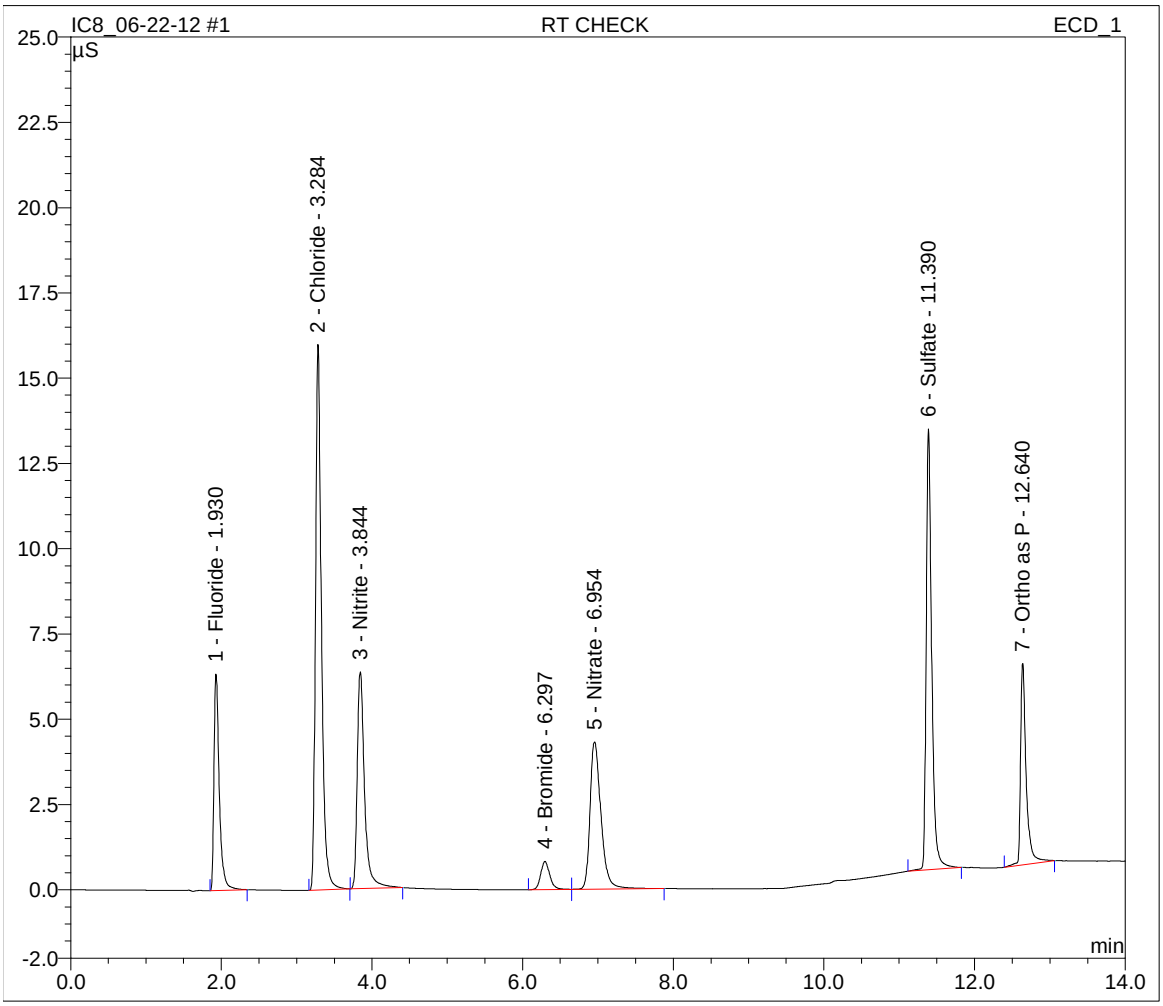
Title: 9056
Datasource: D3YCYMF1_local Created: 7/13/2004 10:19:05 PM by COONL
Location: ICS-8\data\2012\06 12\IC8_06-22-12.SEQ Last Update: 6/18/2012 2:15:43 PM by WETCHEMD

System Suitability Test:

No.	Name	Fail-Action	Result	SST Message	Rounding
1					

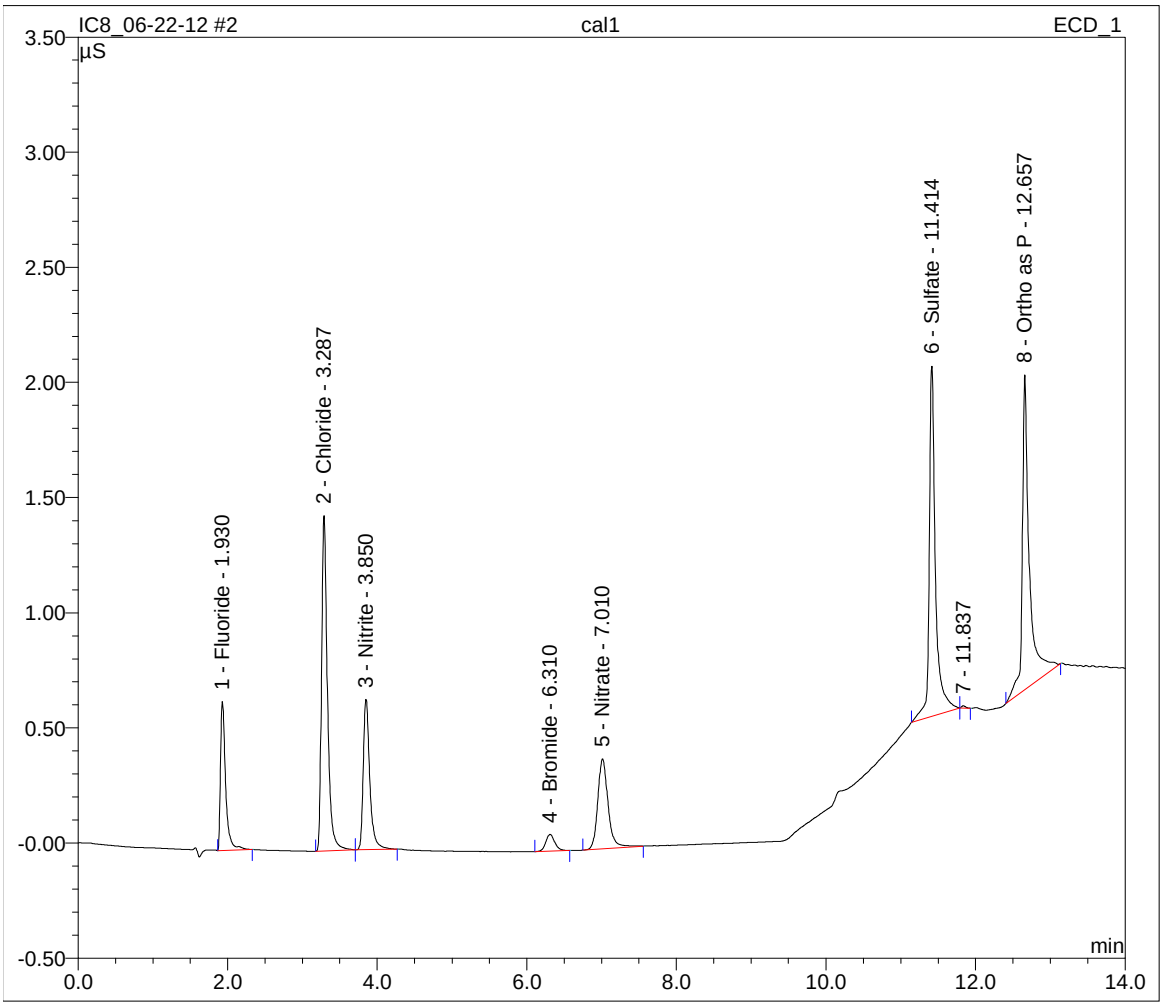
Sample Name:	**RT CHECK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.351	2.1852
2	3.28	Chloride	BMB	1.472	15.998	10.8467
3	3.84	Nitrite	BMB	0.714	6.365	1.9734
4	6.30	Bromide	BMB	0.115	0.825	2.0316
5	6.95	Nitrate	bMB	0.726	4.315	2.1359
6	11.39	Sulfate	BMB	1.098	12.924	10.0120
7	12.64	Ortho as P	BMB	0.504	5.904	2.0466
TOTAL:				5.14	52.68	31.23



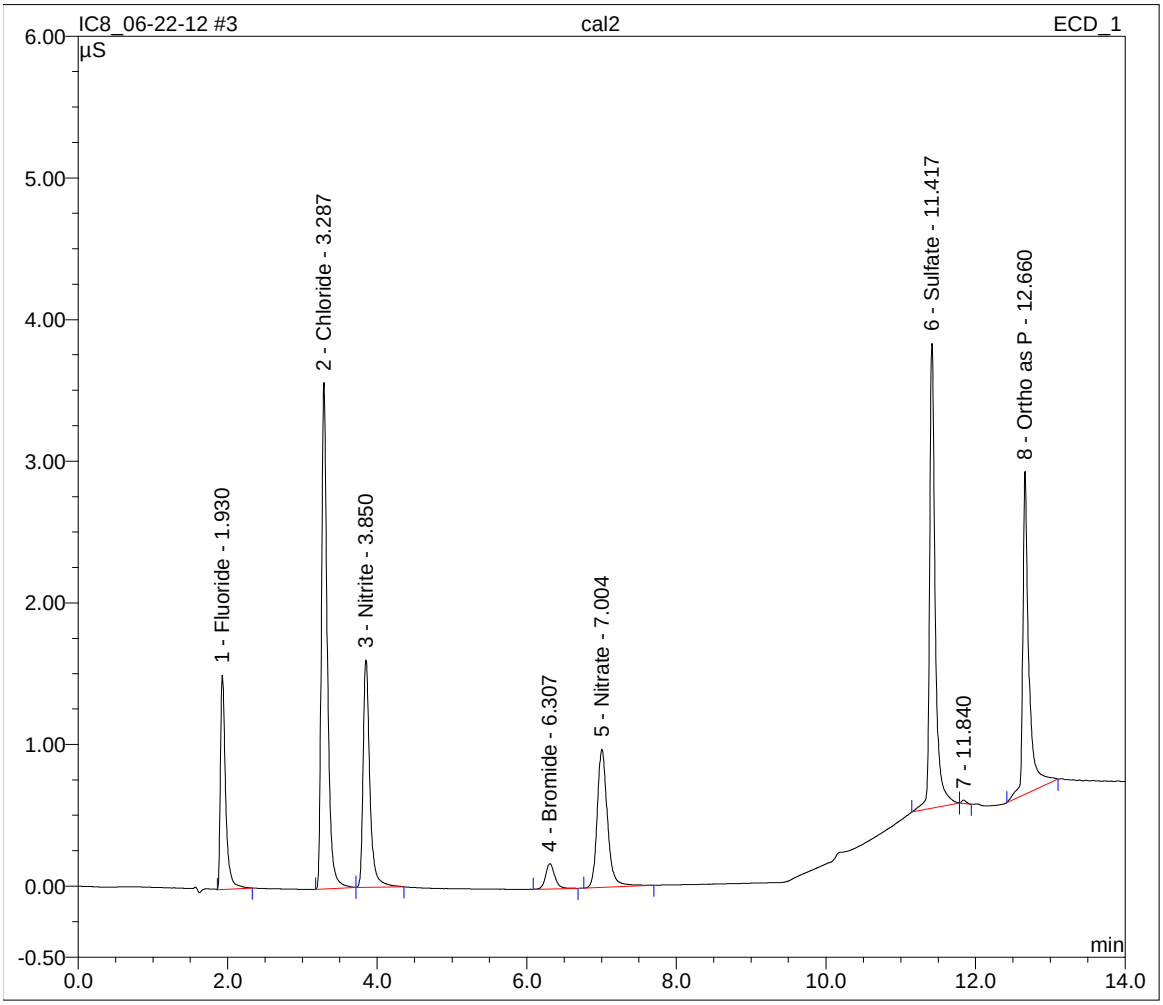
Sample Name:	**cal1**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:31**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.051	0.646	0.1970
2	3.29	Chloride	BMb	0.133	1.457	1.0400
3	3.85	Nitrite	bMB	0.066	0.652	0.2124
4	6.31	Bromide	BMB	0.010	0.073	0.2222
5	7.01	Nitrate	BMB	0.062	0.391	0.2154
6	11.41	Sulfate	BMb	0.146	1.521	1.0815
8	12.66	Ortho as P	BMB	0.151	1.367	0.1743
		TOTAL:		0.62	6.11	3.14



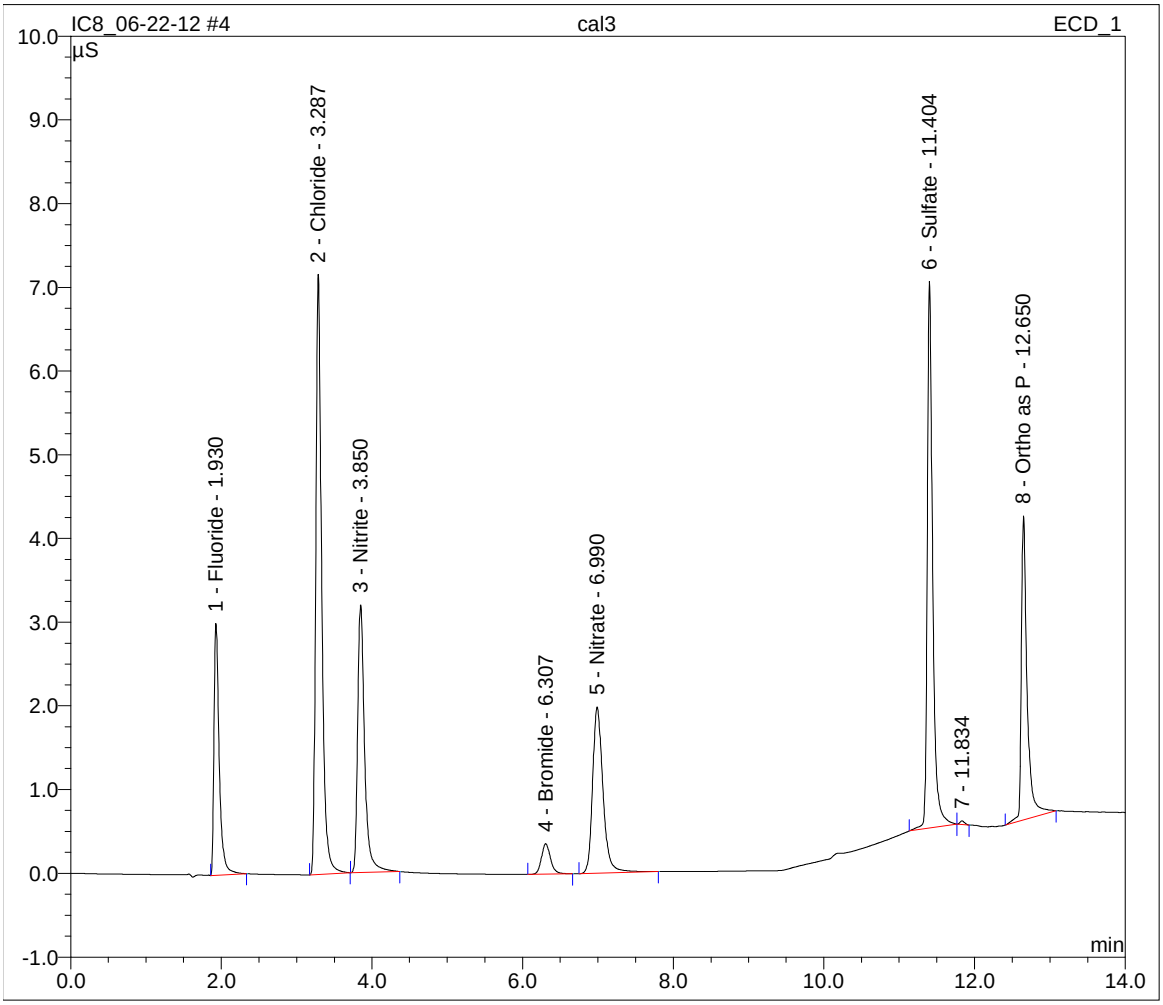
Sample Name:	**cal2**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 13:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.120	1.512	0.4922
2	3.29	Chloride	BMB	0.327	3.574	2.4601
3	3.85	Nitrite	BMB	0.167	1.604	0.4861
4	6.31	Bromide	BMB	0.025	0.178	0.4845
5	7.00	Nitrate	BMB	0.155	0.975	0.4831
6	11.42	Sulfate	BMb	0.284	3.282	2.3745
8	12.66	Ortho as P	BMB	0.216	2.278	0.5210
		TOTAL:		1.29	13.40	7.30



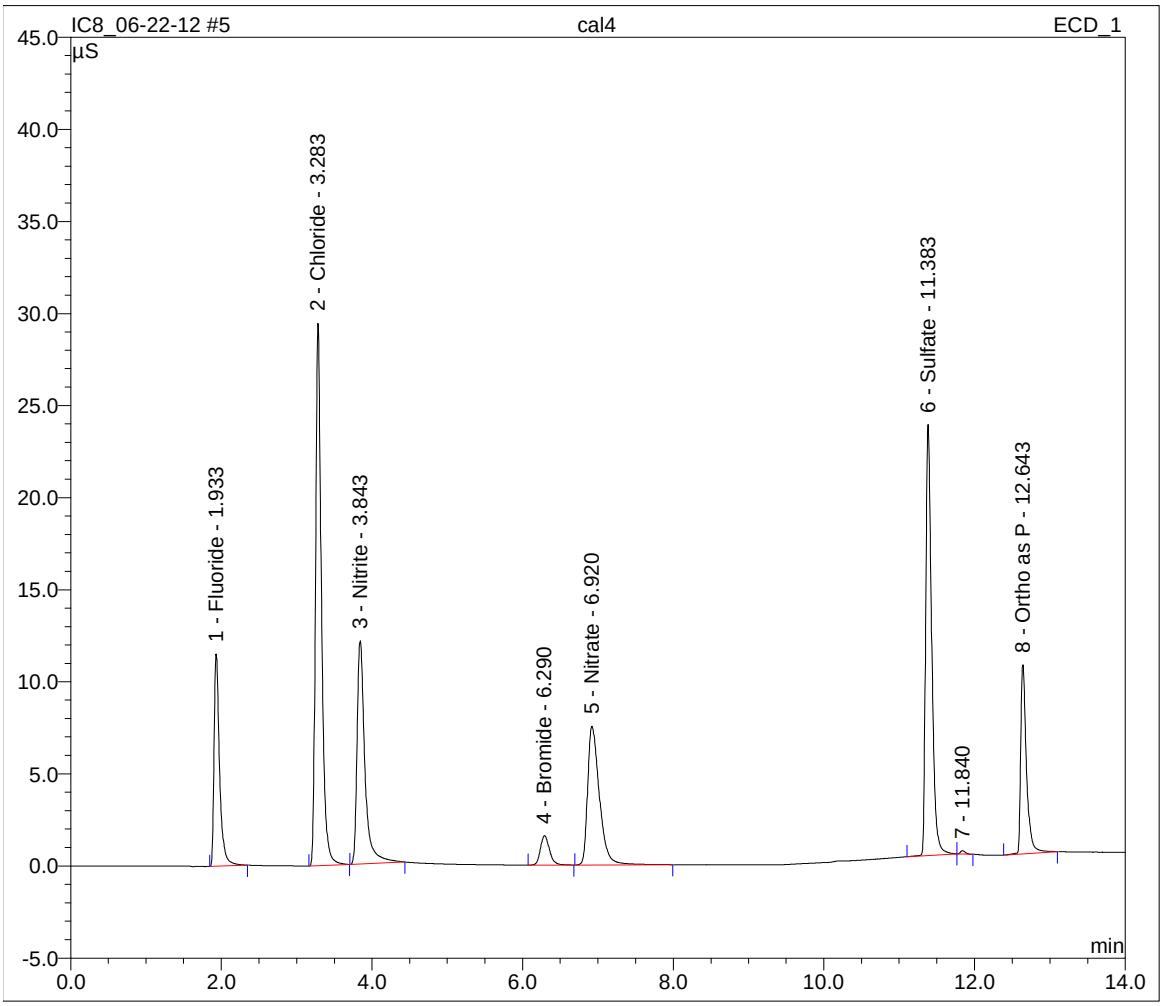
Sample Name:	**cal3**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.241	3.009	1.0119
2	3.29	Chloride	BMB	0.657	7.169	4.8803
3	3.85	Nitrite	BMB	0.341	3.199	0.9611
4	6.31	Bromide	BMB	0.051	0.365	0.9278
5	6.99	Nitrate	BMB	0.319	1.985	0.9575
6	11.40	Sulfate	BMb	0.545	6.532	4.8185
8	12.65	Ortho as P	BMB	0.320	3.633	1.0722
		TOTAL:		2.47	25.89	14.63



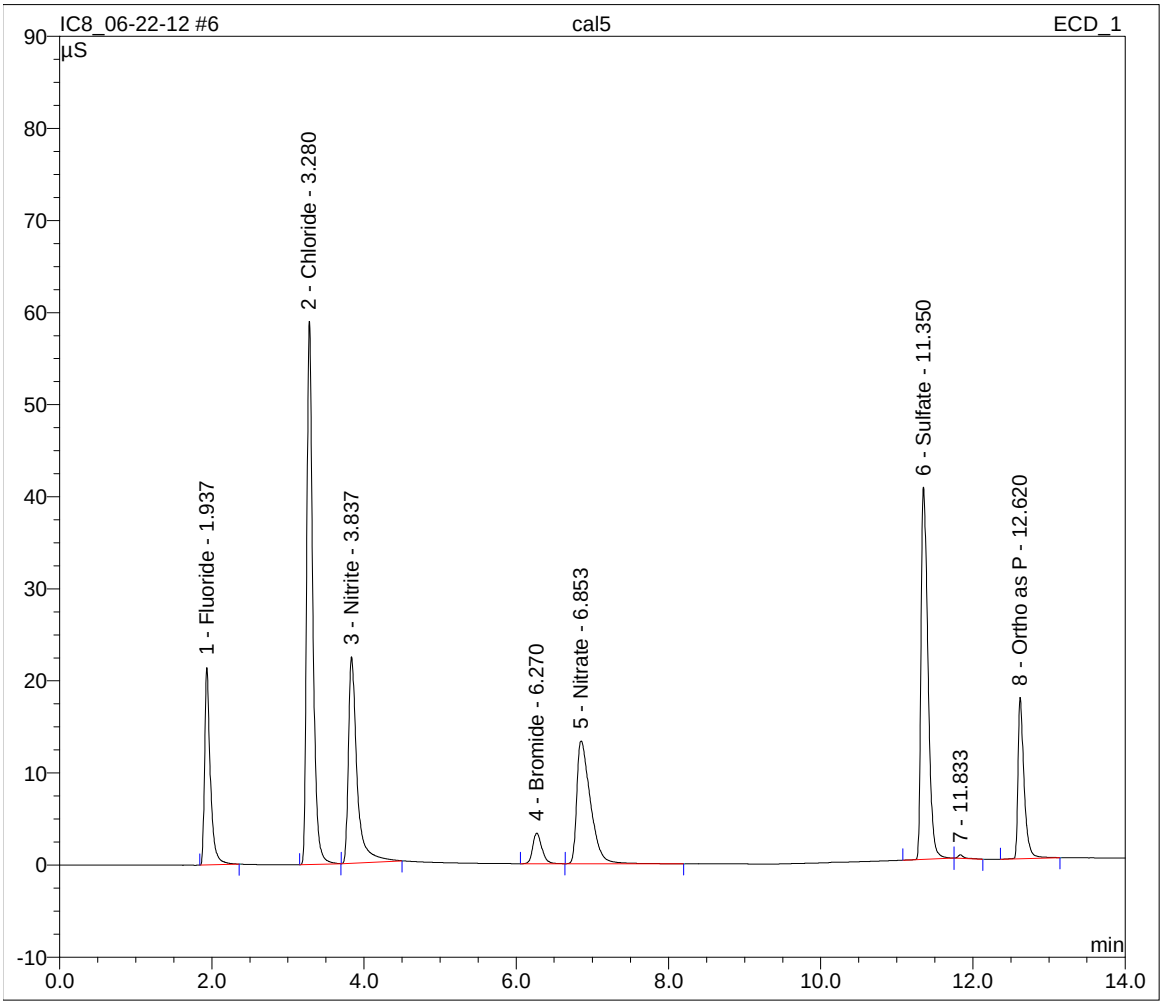
Sample Name:	**cal4**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.966	11.542	4.1247
2	3.28	Chloride	BMB	2.709	29.464	19.9102
3	3.84	Nitrite	BMB	1.456	12.120	3.9932
4	6.29	Bromide	BMB	0.223	1.604	3.8991
5	6.92	Nitrate	BMB	1.357	7.526	3.9629
6	11.38	Sulfate	BMb	2.162	23.410	20.0013
8	12.64	Ortho as P	BMB	0.901	10.280	4.1462
TOTAL:				9.77	95.95	60.04



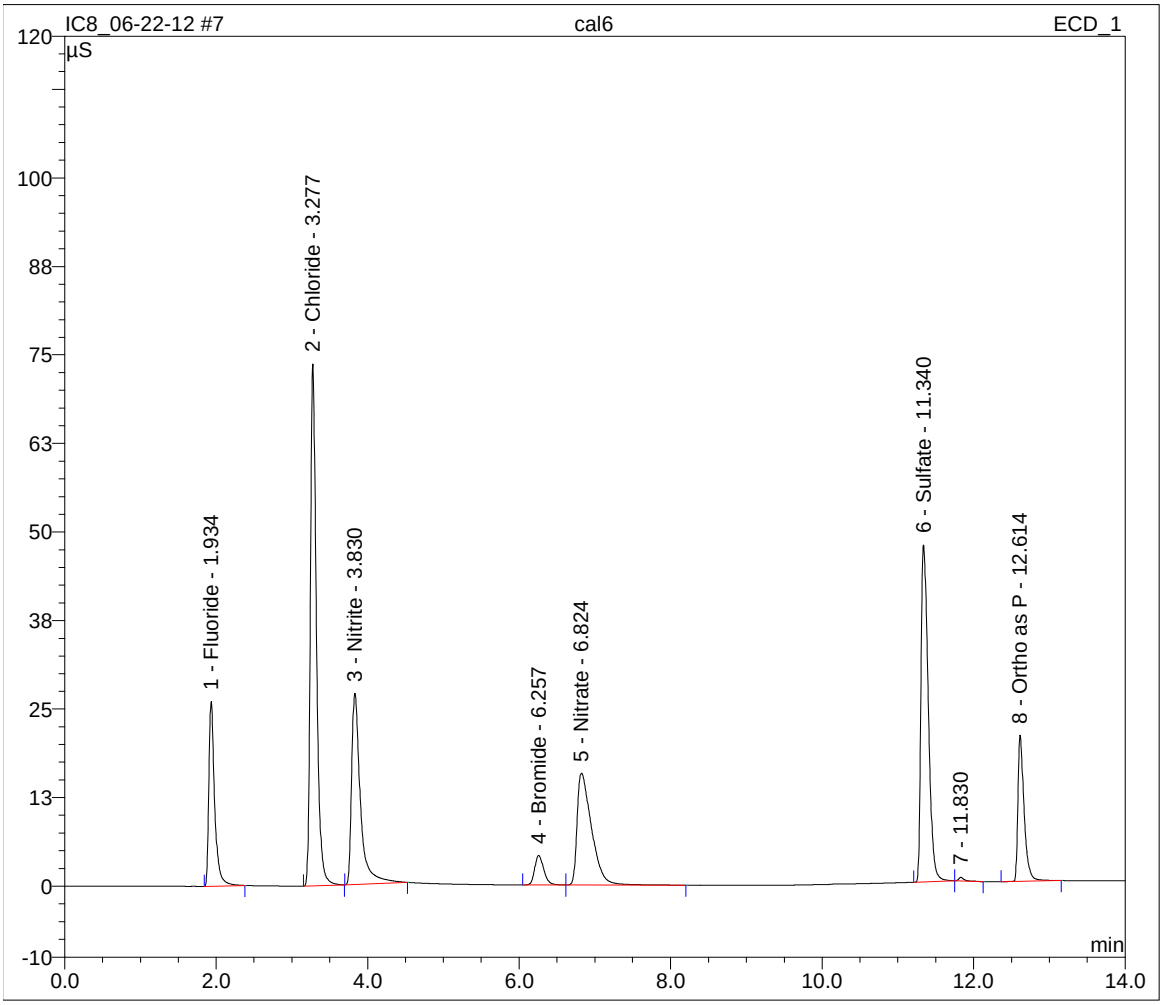
Sample Name:	**cal5**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.94	Fluoride	BMB	1.868	21.466	8.0002
2	3.28	Chloride	BMB	5.457	59.008	40.0443
3	3.84	Nitrite	BMB	2.954	22.426	8.0660
4	6.27	Bromide	BMB	0.462	3.324	8.0345
5	6.85	Nitrate	BMB	2.759	13.322	8.0199
6	11.35	Sulfate	BMb	4.302	40.425	40.0890
8	12.62	Ortho as P	BMB	1.622	17.507	7.9642
		TOTAL:		19.42	177.48	120.22



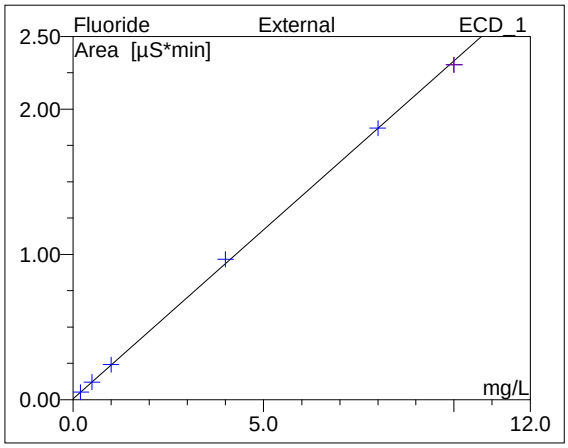
Sample Name:	**cal6**	*Inj. Vol.:*	**10.0**
Sample Type:	**standard**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 14:55**	*Run Time:*	**14.00**

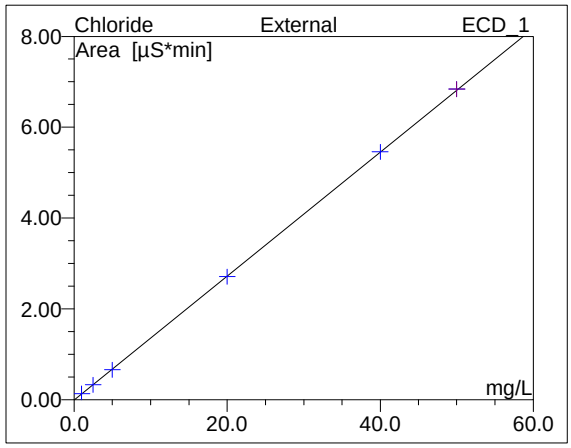
No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	2.304	26.065	9.8741
2	3.28	Chloride	BMB	6.838	73.679	50.1651
3	3.83	Nitrite	BMB	3.658	26.975	9.9812
4	6.26	Bromide	BMB	0.583	4.171	10.1319
5	6.82	Nitrate	BMB	3.465	15.767	10.0612
6	11.34	Sulfate	BMb	5.373	47.566	50.1352
8	12.61	Ortho as P	BMB	1.973	20.624	9.8221
		TOTAL:		24.19	214.85	150.17

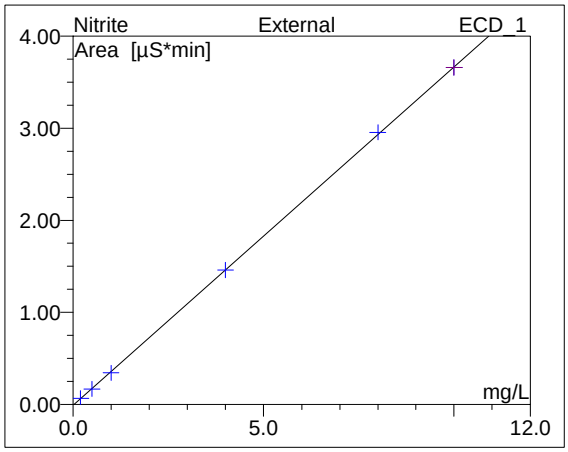


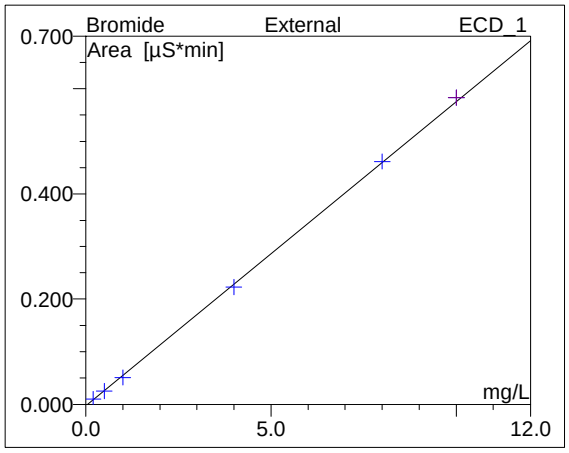
Calibration Batch Report

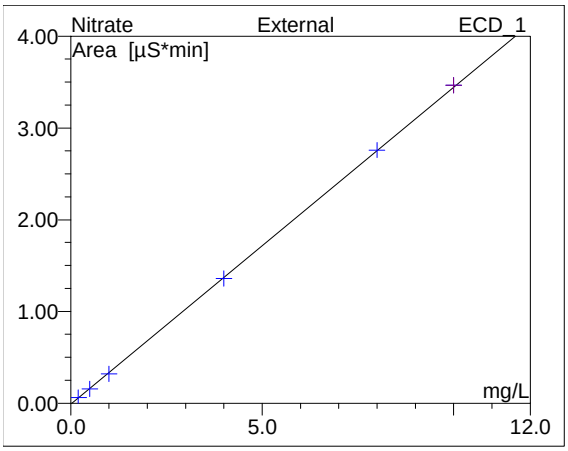
Sequence:	**IC8_06-22-12**	Inj. Vol.:	**10.0**
Program:	**7 Anion**	Operator:	**DENPC241**
Inj. Date/Time:	**06/18/12 14:55**	Run Time:	**14.00**

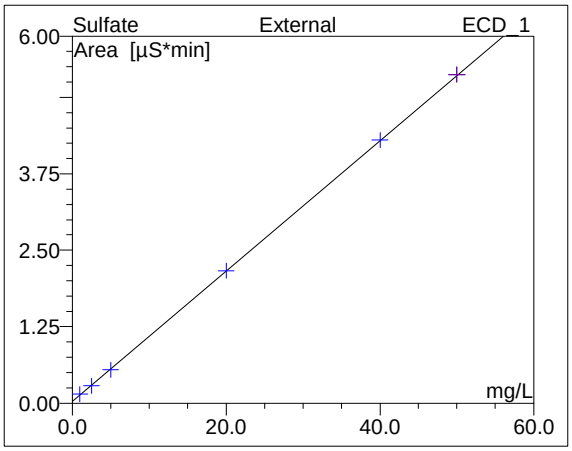




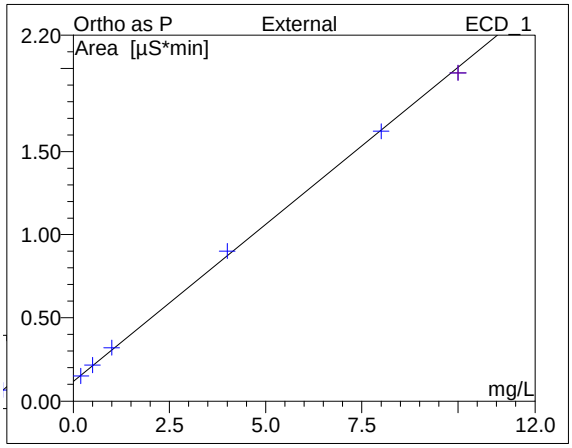








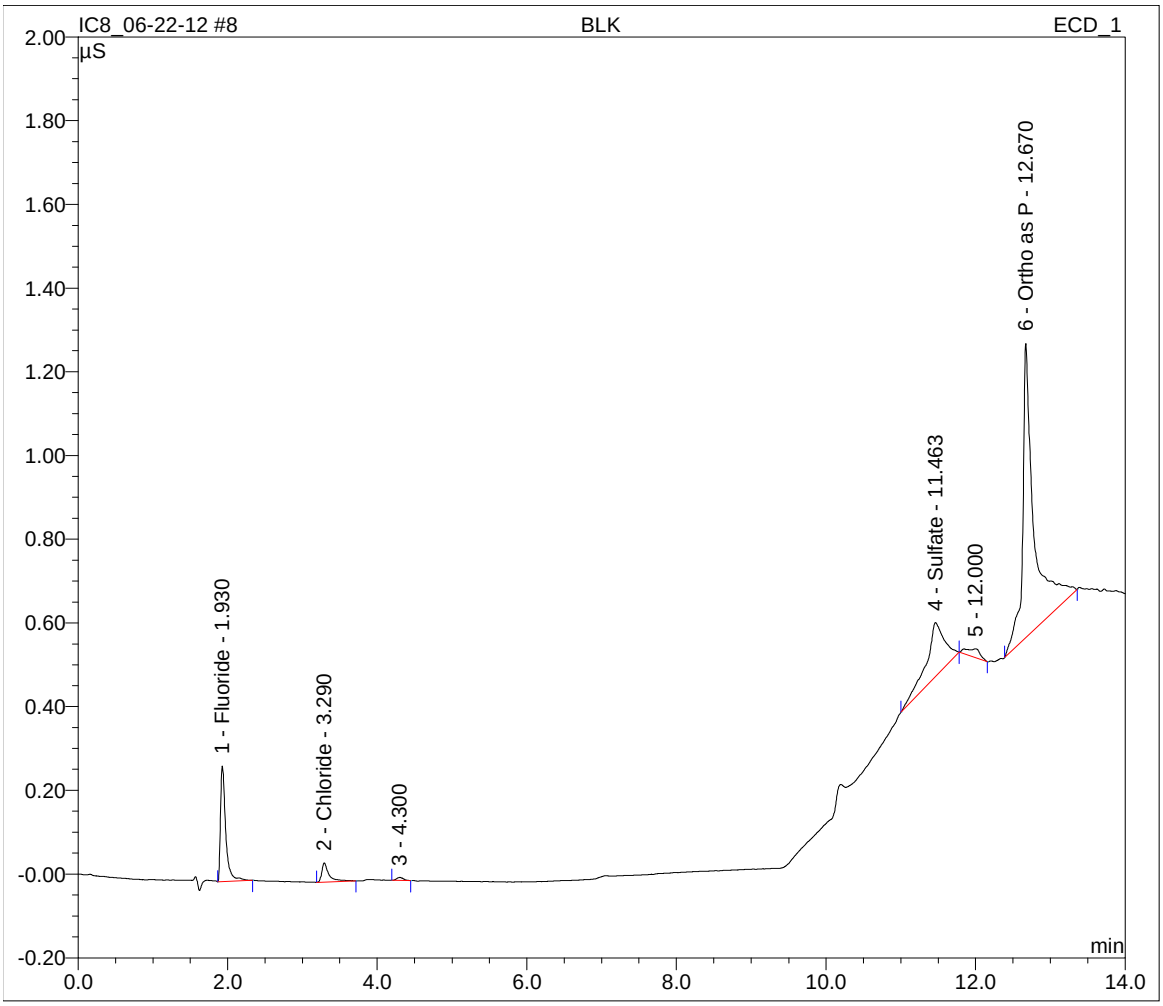
Program:	**7 Anion**	*Operator:*	**n.a.**
Ini. Date/Time:	**06/18/12 14:55**	*Run Time:*	**14.00**



No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
1	1.93	Fluoride	XLOff	6	0.005	0.233	0.000	99.985
2	3.28	Chloride	XLOff	6	-0.009	0.136	0.000	99.997
3	3.83	Nitrite	XLOff	6	-0.012	0.368	0.000	99.992
4	6.26	Bromide	XLOff	6	-0.003	0.058	0.000	99.968
5	6.82	Nitrate	XLOff	6	-0.012	0.346	0.000	99.989
6	11.34	Sulfate	XLOff	6	0.031	0.107	0.000	99.990
8	12.61	Ortho as P	XLOff	6	0.118	0.189	0.000	99.954
AVERAGE:					0.0169	0.2051	0.0000	99.9819

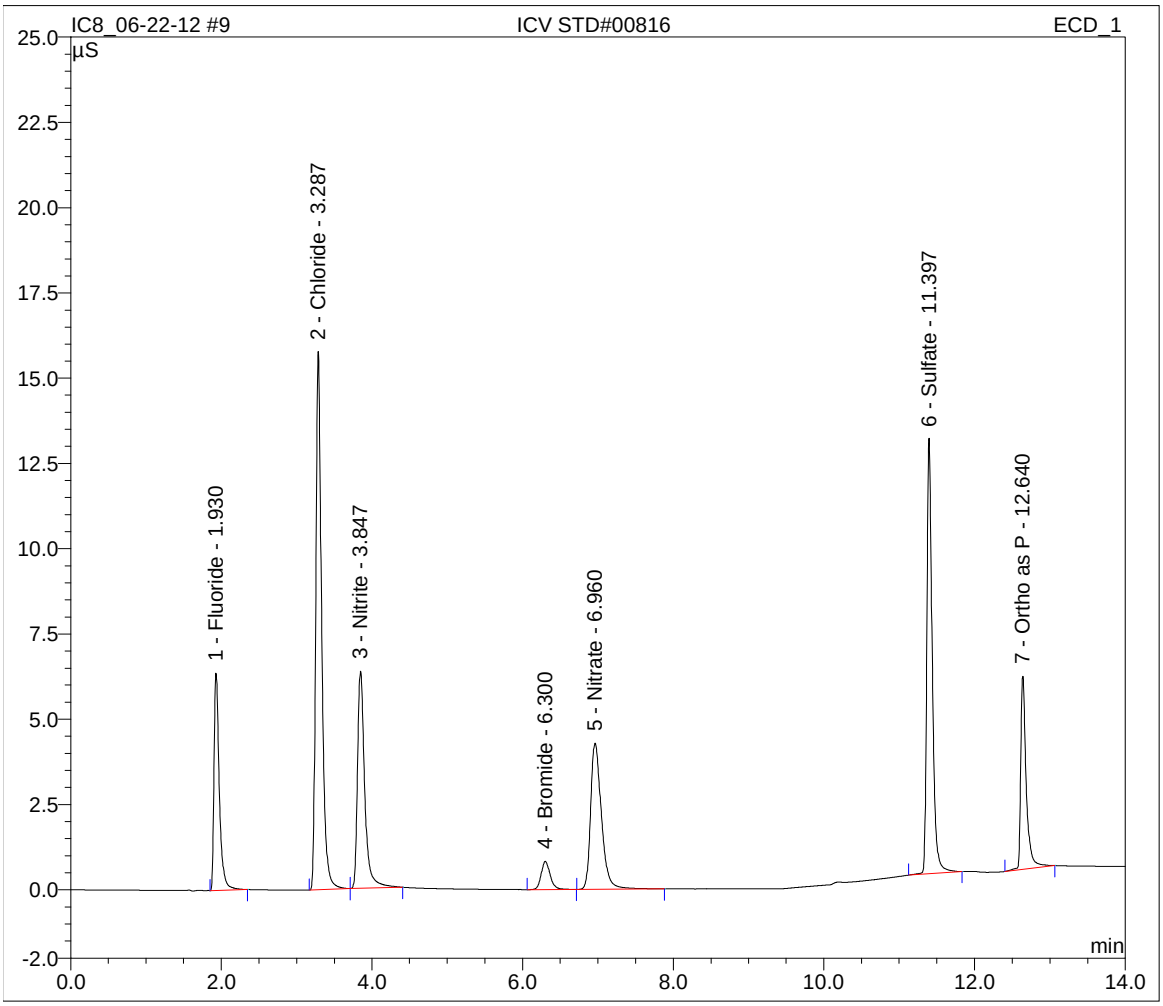
Sample Name:	**BLK**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.022	0.276	0.0725
2	3.29	Chloride	BMB	0.005	0.046	0.1031
4	11.46	Sulfate	BMb	0.036	0.129	0.0502
6	12.67	Ortho as P	BMB	0.125	0.703	0.0382
		TOTAL:		0.19	1.15	0.26



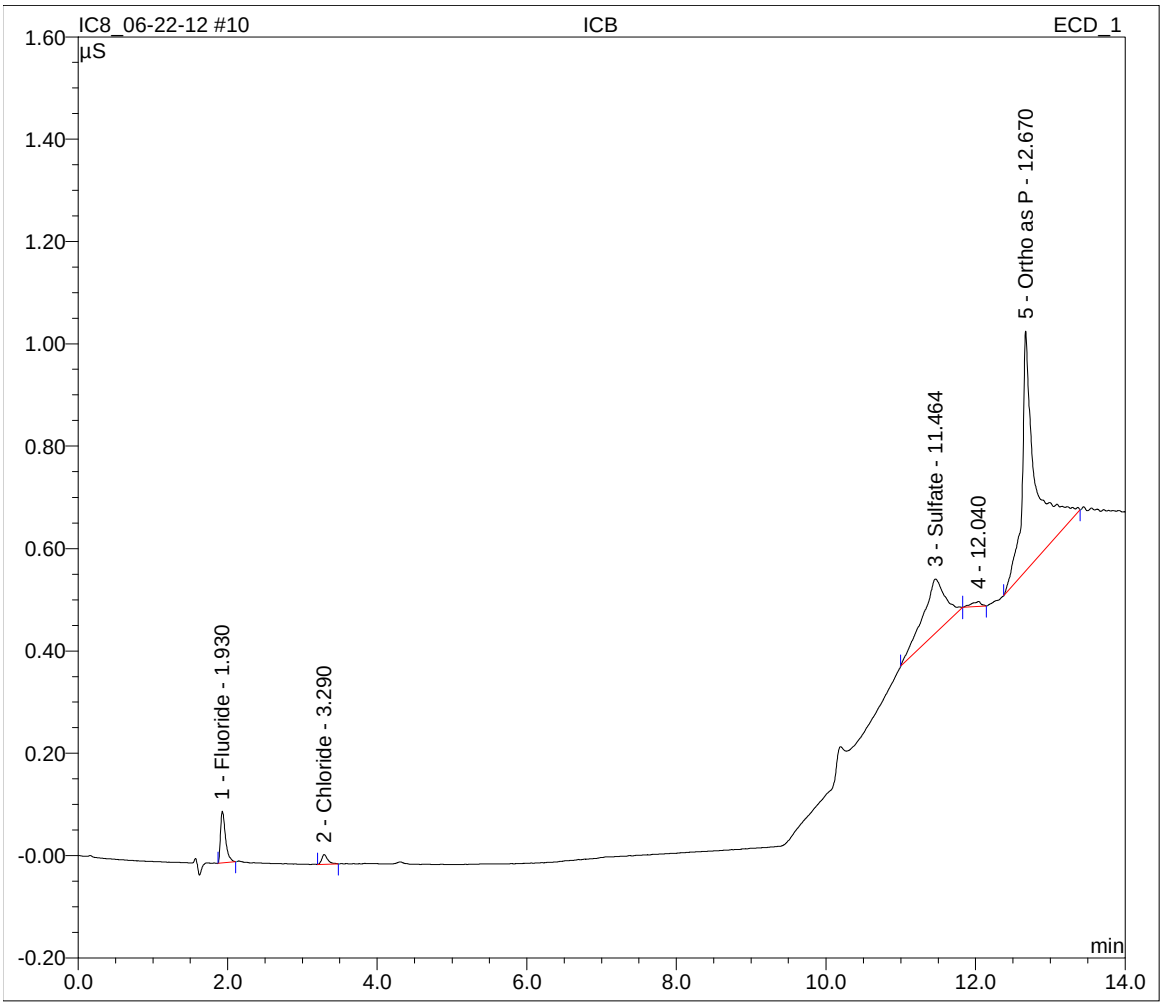
Sample Name:	**ICV STD#00816**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.514	6.382	2.1868
2	3.29	Chloride	BMB	1.448	15.777	10.6712
3	3.85	Nitrite	BMB	0.706	6.368	1.9529
4	6.30	Bromide	BMB	0.115	0.825	2.0290
5	6.96	Nitrate	BMB	0.713	4.281	2.0989
6	11.40	Sulfate	BMB	1.070	12.766	9.7526
7	12.64	Ortho as P	BMB	0.474	5.668	1.8875
TOTAL:				5.04	52.07	30.58



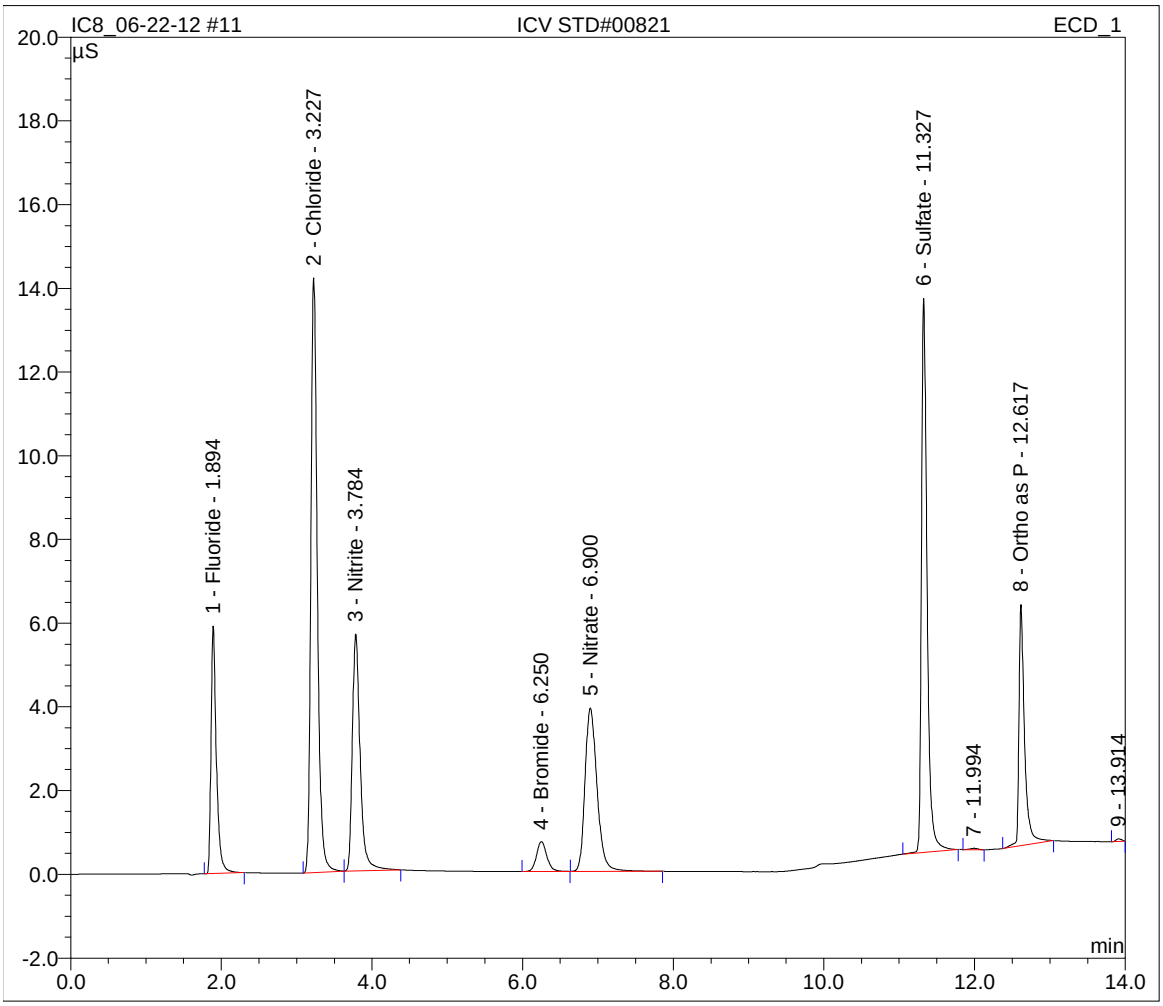
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**18.06.12 15:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.93	Fluoride	BMB	0.008	0.101	0.0103
2	3.29	Chloride	BMB	0.002	0.019	0.0781
3	11.46	Sulfate	BMb	0.037	0.106	0.0582
5	12.67	Ortho as P	BMB	0.100	0.469	-0.0954
		TOTAL:		0.15	0.69	0.05



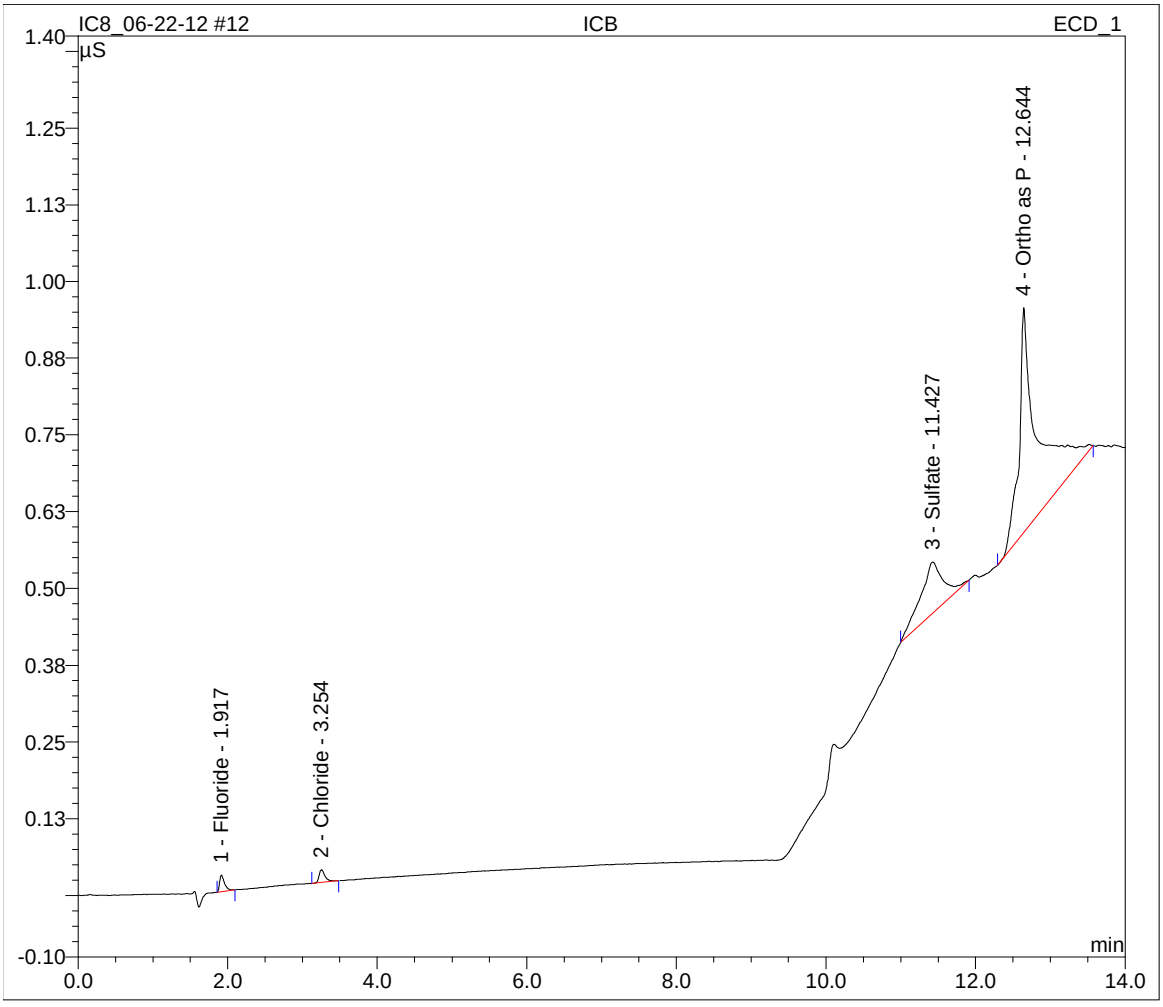
Sample Name:	**ICV STD#00821**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 08:34**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.89	Fluoride	BMB	0.488	5.918	2.0730
2	3.23	Chloride	BMb	1.405	14.210	10.3560
3	3.78	Nitrite	bMB	0.677	5.658	1.8735
4	6.25	Bromide	BMB	0.113	0.711	1.9948
5	6.90	Nitrate	BMB	0.723	3.898	2.1270
6	11.33	Sulfate	BMB	1.156	13.240	10.5580
8	12.62	Ortho as P	BMB	0.497	5.765	2.0098
TOTAL:				5.06	49.40	30.99



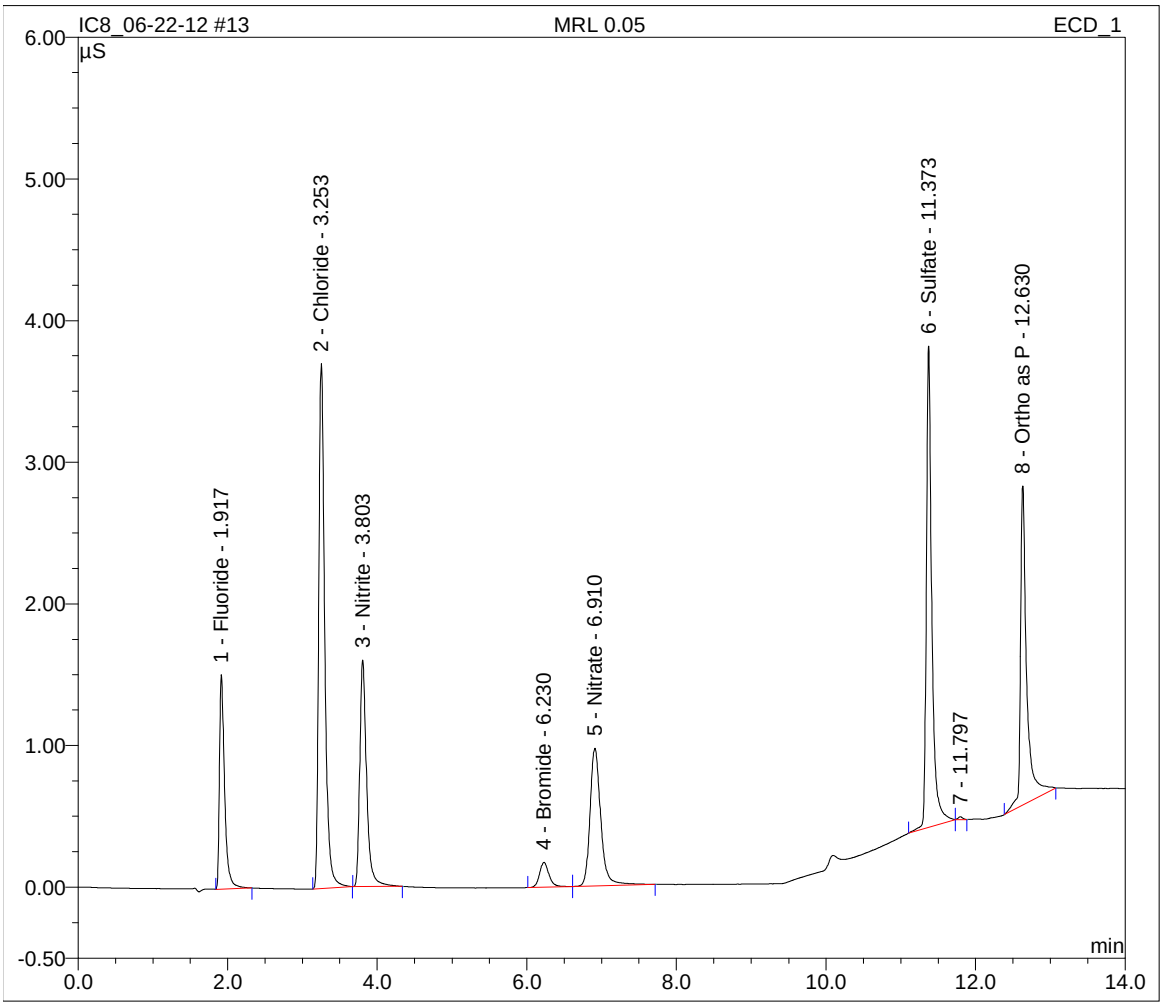
Sample Name:	**ICB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 08:55**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.002	0.027	-0.0138
2	3.25	Chloride	BMB	0.002	0.021	0.0793
3	11.43	Sulfate	BMB	0.029	0.083	-0.0158
4	12.64	Ortho as P	BMB	0.107	0.366	-0.0583
TOTAL:				0.14	0.50	-0.01



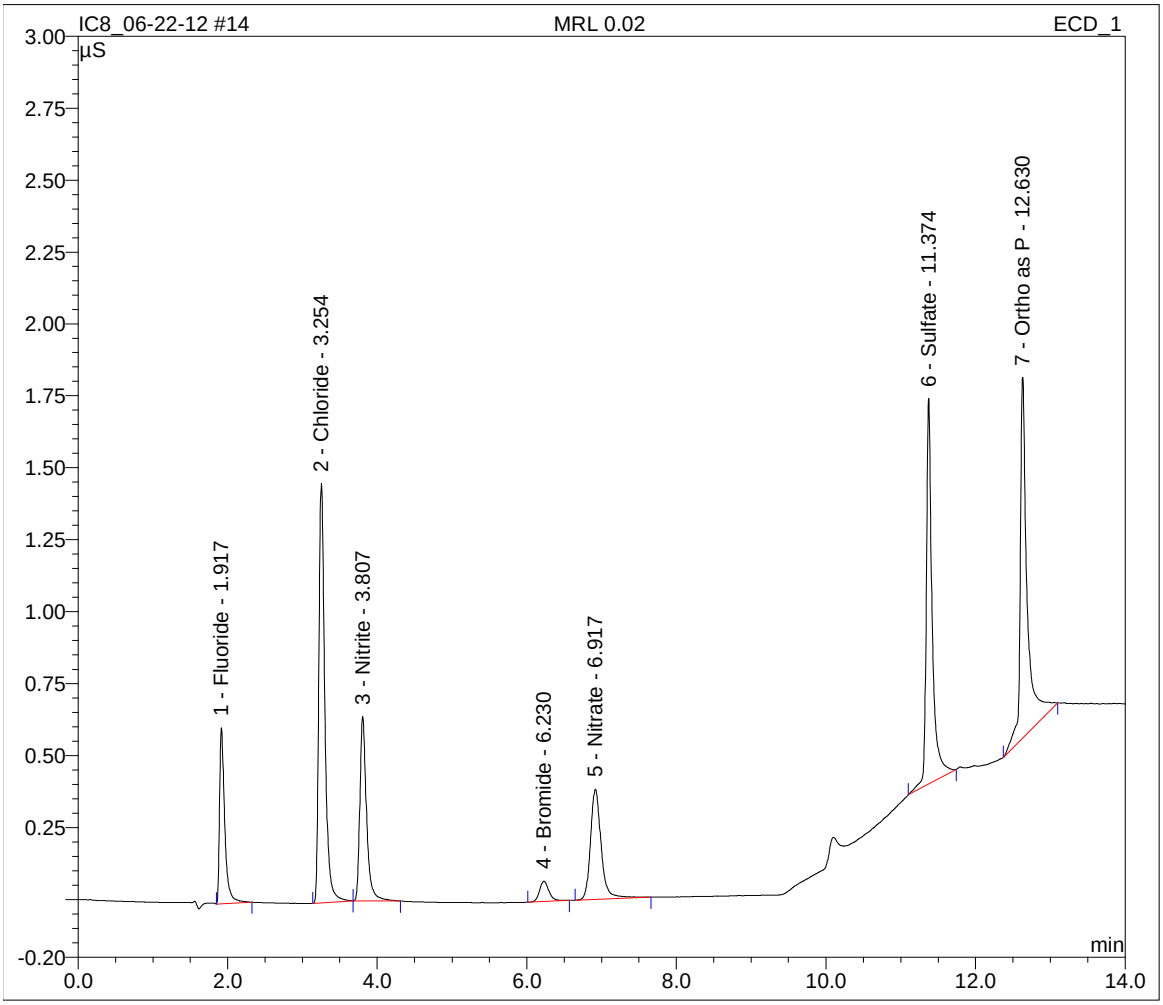
Sample Name:	**MRL 0.05**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 09:12**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.121	1.516	0.4990
2	3.25	Chloride	BMB	0.345	3.704	2.5916
3	3.80	Nitrite	BMB	0.169	1.601	0.4936
4	6.23	Bromide	BMB	0.026	0.175	0.4907
5	6.91	Nitrate	bMB	0.161	0.971	0.5015
6	11.37	Sulfate	BMB	0.289	3.397	2.4178
8	12.63	Ortho as P	BMB	0.214	2.254	0.5100
		TOTAL:		1.33	13.62	7.50



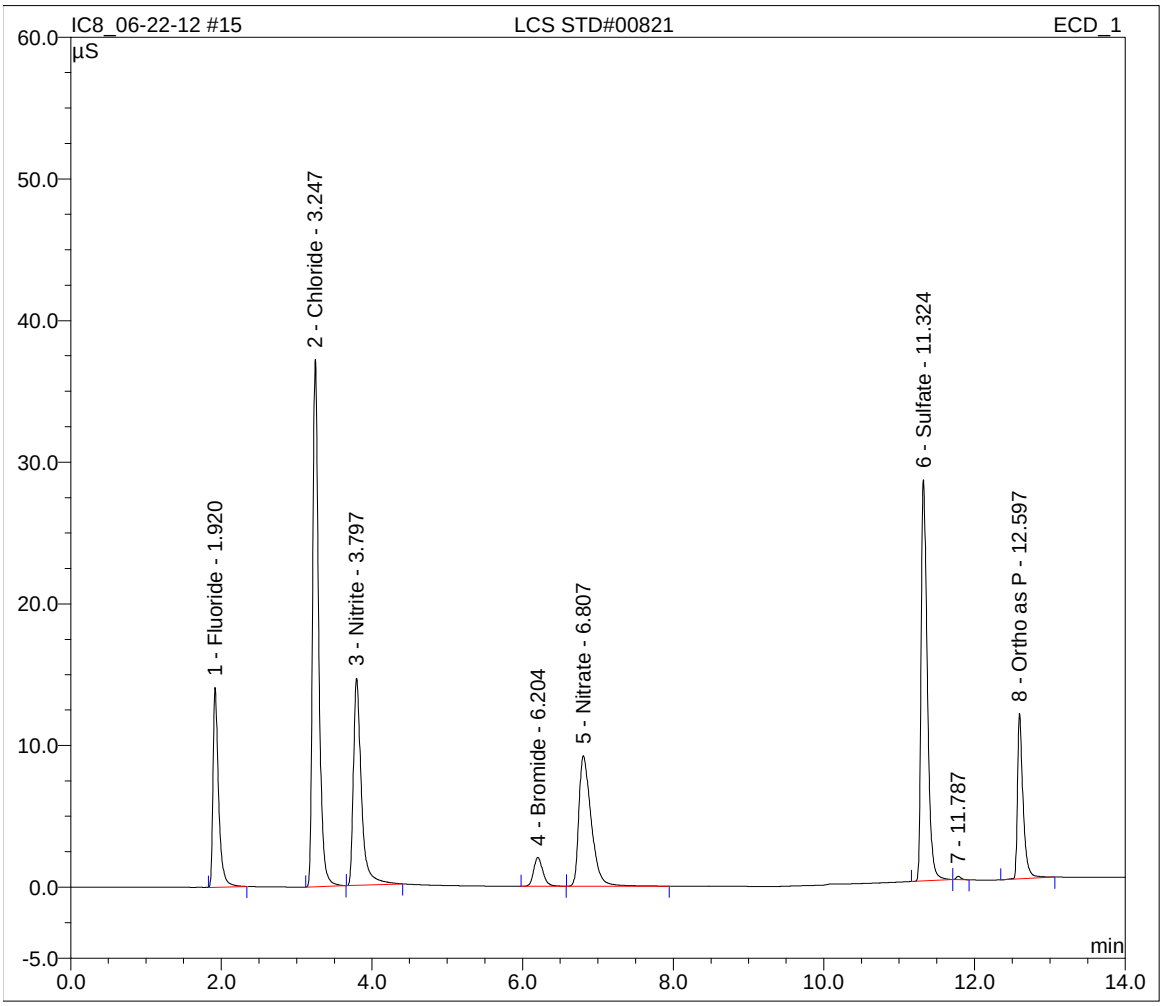
Sample Name:	**MRL 0.02**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 09:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.049	0.611	0.1878
2	3.25	Chloride	BMB	0.135	1.457	1.0569
3	3.81	Nitrite	bMB	0.066	0.640	0.2135
4	6.23	Bromide	BMB	0.010	0.070	0.2243
5	6.92	Nitrate	BMB	0.064	0.383	0.2186
6	11.37	Sulfate	BMB	0.123	1.339	0.8617
7	12.63	Ortho as P	BMB	0.135	1.253	0.0898
		TOTAL:		0.58	5.75	2.85



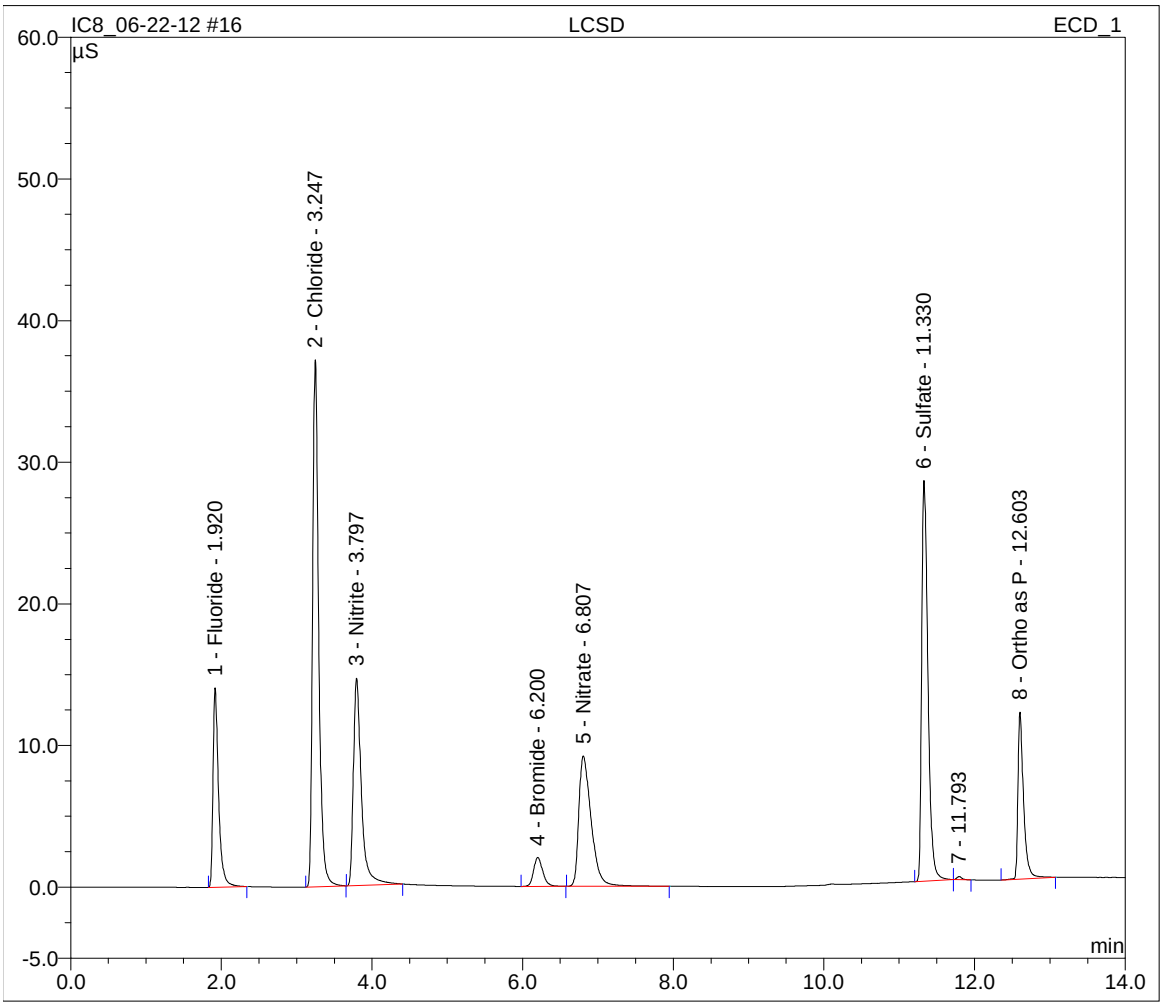
Sample Name:	**LCS STD#00821**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 09:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.204	14.079	5.1466
2	3.25	Chloride	BMB	3.462	37.205	25.4325
3	3.80	Nitrite	BMB	1.794	14.643	4.9110
4	6.20	Bromide	BMB	0.289	2.037	5.0433
5	6.81	Nitrate	BMB	1.748	9.197	5.0920
6	11.32	Sulfate	BMb	2.748	28.323	25.4968
8	12.60	Ortho as P	BMB	1.010	11.672	4.7248
TOTAL:				12.25	117.16	75.85



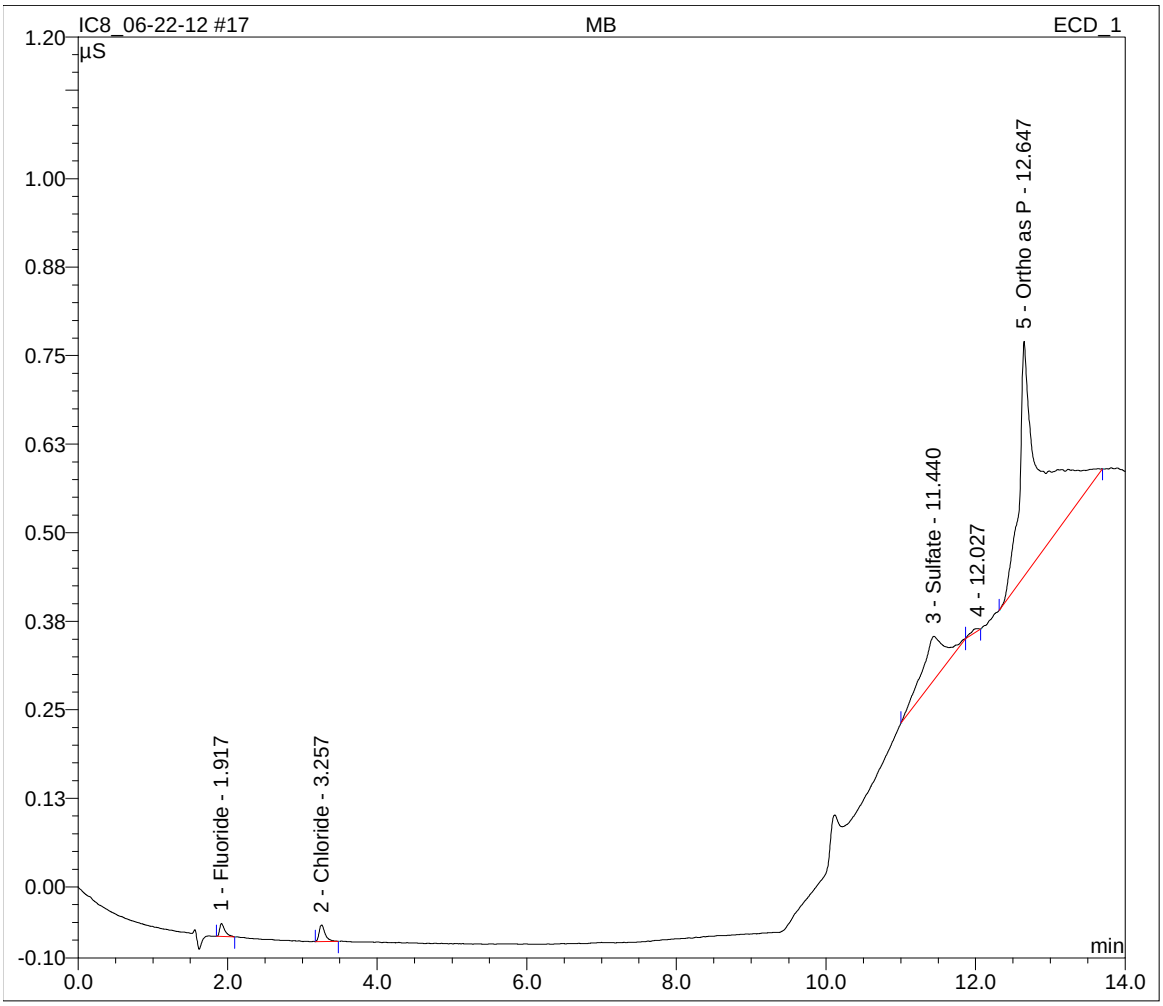
Sample Name:	**LCSD**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 10:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.204	14.076	5.1471
2	3.25	Chloride	BMB	3.463	37.200	25.4326
3	3.80	Nitrite	BMB	1.790	14.643	4.9014
4	6.20	Bromide	BMB	0.289	2.042	5.0479
5	6.81	Nitrate	BMB	1.749	9.202	5.0969
6	11.33	Sulfate	BMb	2.749	28.277	25.5122
8	12.60	Ortho as P	BMB	1.026	11.777	4.8092
		TOTAL:		12.27	117.22	75.95



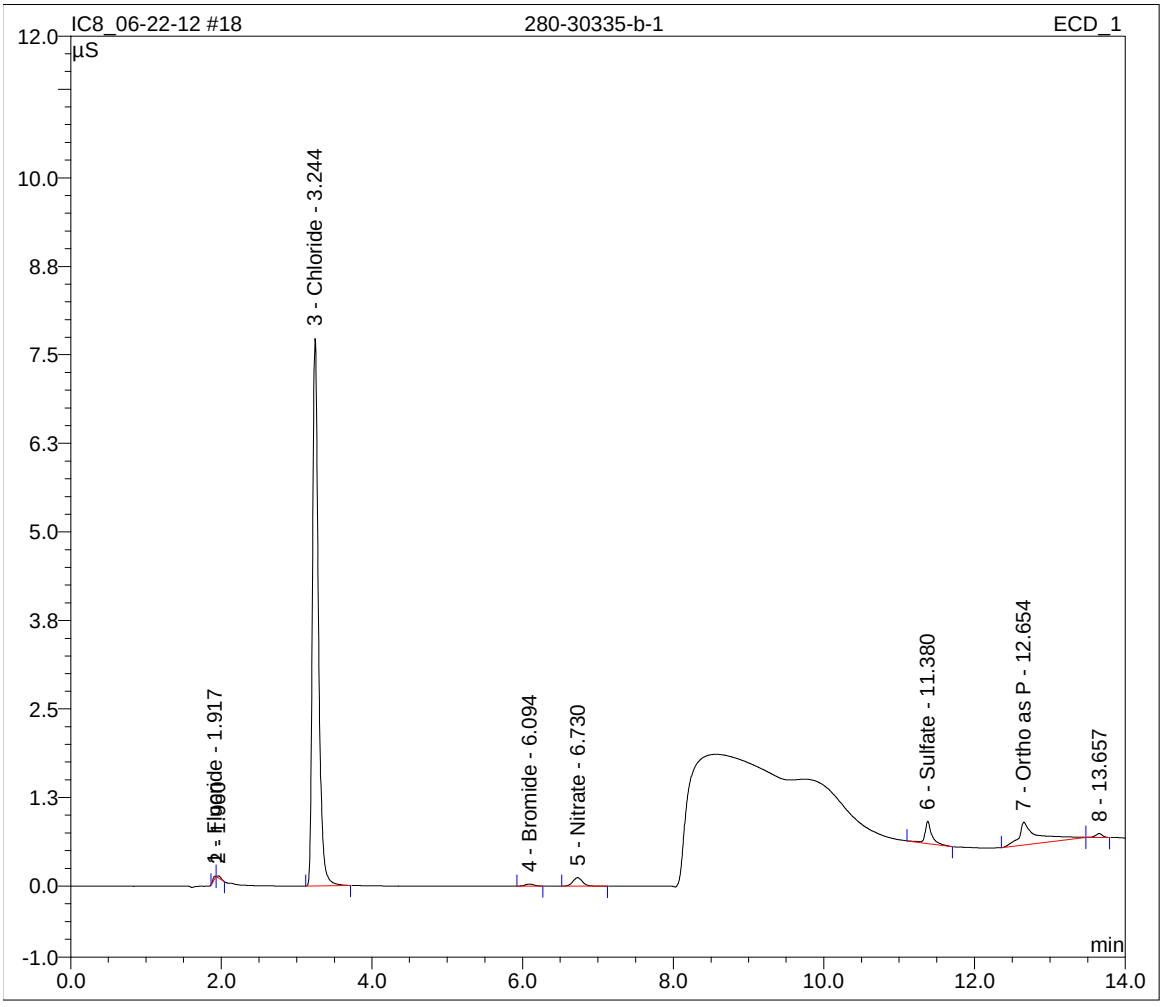
Sample Name:	**MB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 10:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.001	0.018	-0.0163
2	3.26	Chloride	BMB	0.002	0.023	0.0812
3	11.44	Sulfate	BMB	0.022	0.062	-0.0887
5	12.65	Ortho as P	BMB	0.114	0.332	-0.0211
TOTAL:				0.14	0.44	-0.04



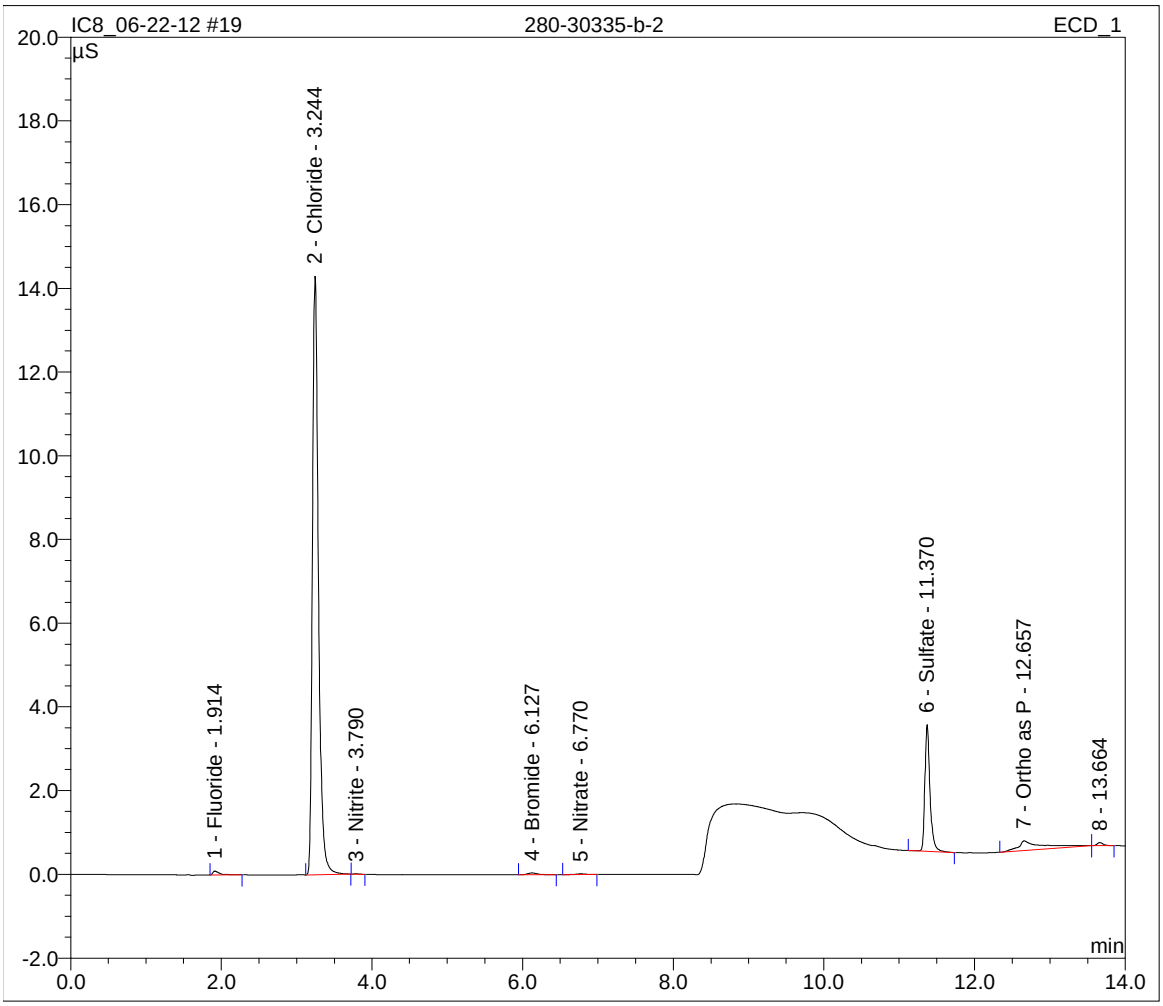
Sample Name:	**280-30335-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 11:55**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.002	0.033	-0.0149
3	3.24	Chloride	BMB	0.706	7.733	5.2358
4	6.09	Bromide	BMB	0.004	0.028	0.1136
5	6.73	Nitrate	BMB	0.018	0.121	0.0866
6	11.38	Sulfate	BMB	0.032	0.314	0.0098
7	12.65	Ortho as P	BMB	0.093	0.321	-0.1344
		TOTAL:		0.85	8.55	5.30



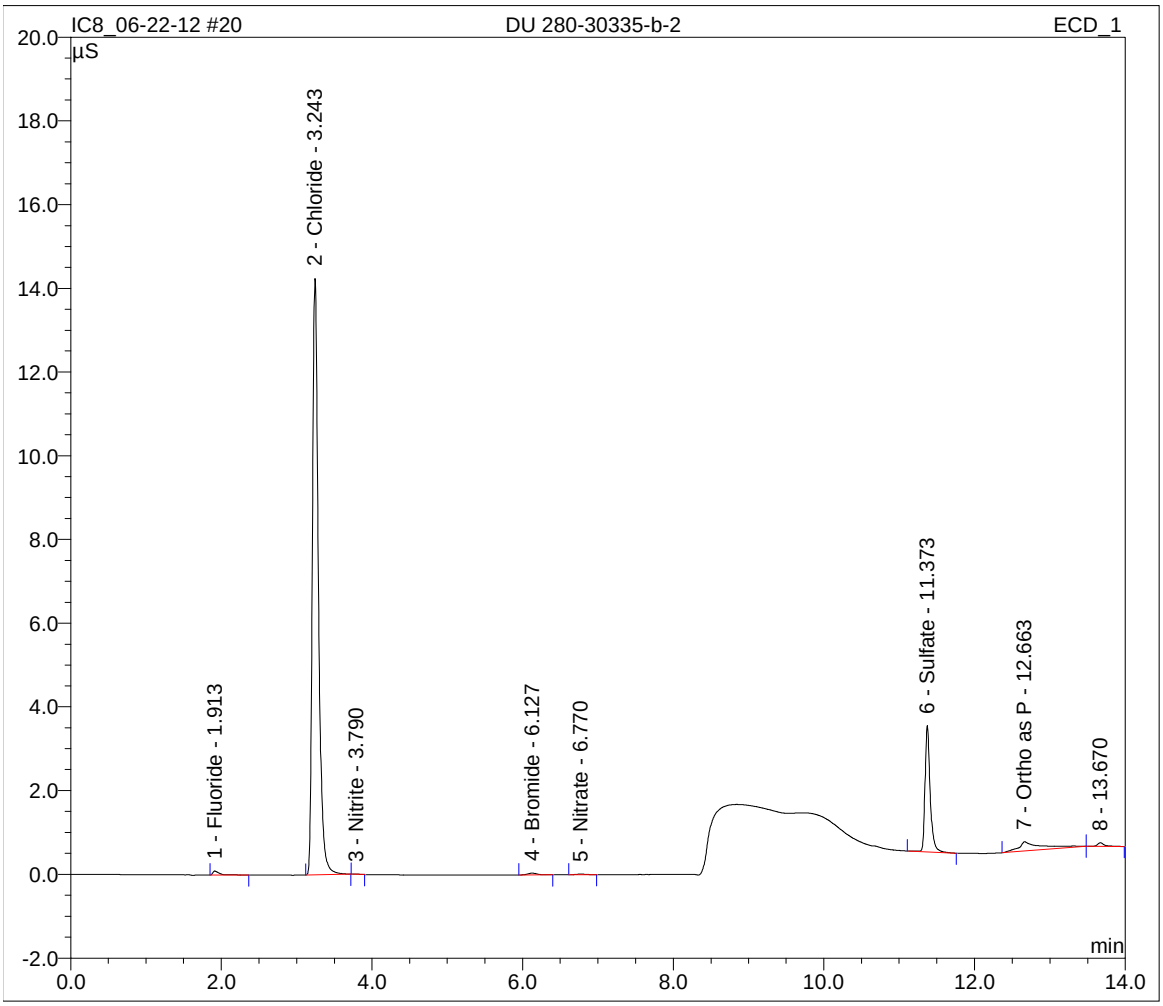
Sample Name:	**280-30335-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 12:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.010	0.094	0.0189
2	3.24	Chloride	BMB	1.320	14.302	9.7379
3	3.79	Nitrite	BMB	0.001	0.008	0.0350
4	6.13	Bromide	BMB	0.006	0.043	0.1532
5	6.77	Nitrate	BMB	0.003	0.017	0.0422
6	11.37	Sulfate	BMB	0.239	3.030	1.9546
7	12.66	Ortho as P	BMB	0.087	0.234	-0.1658
TOTAL:				1.67	17.73	11.78



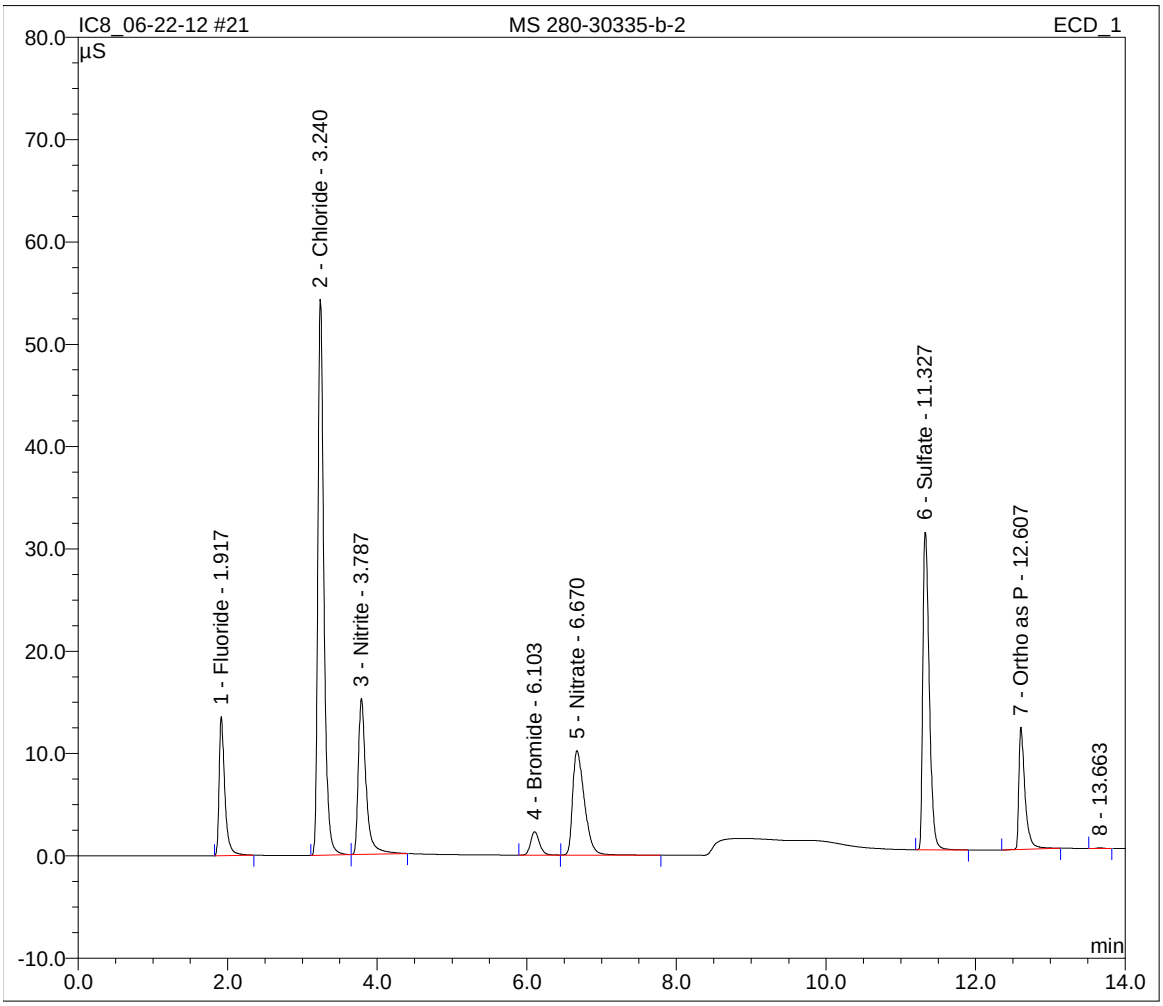
Sample Name:	**DU 280-30335-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 12:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.010	0.096	0.0192
2	3.24	Chloride	BMB	1.319	14.254	9.7254
3	3.79	Nitrite	BMB	0.001	0.008	0.0349
4	6.13	Bromide	BMB	0.006	0.042	0.1496
5	6.77	Nitrate	BMB	0.002	0.015	0.0407
6	11.37	Sulfate	BMB	0.239	3.017	1.9495
7	12.66	Ortho as P	BMB	0.078	0.223	-0.2106
TOTAL:				1.65	17.65	11.71



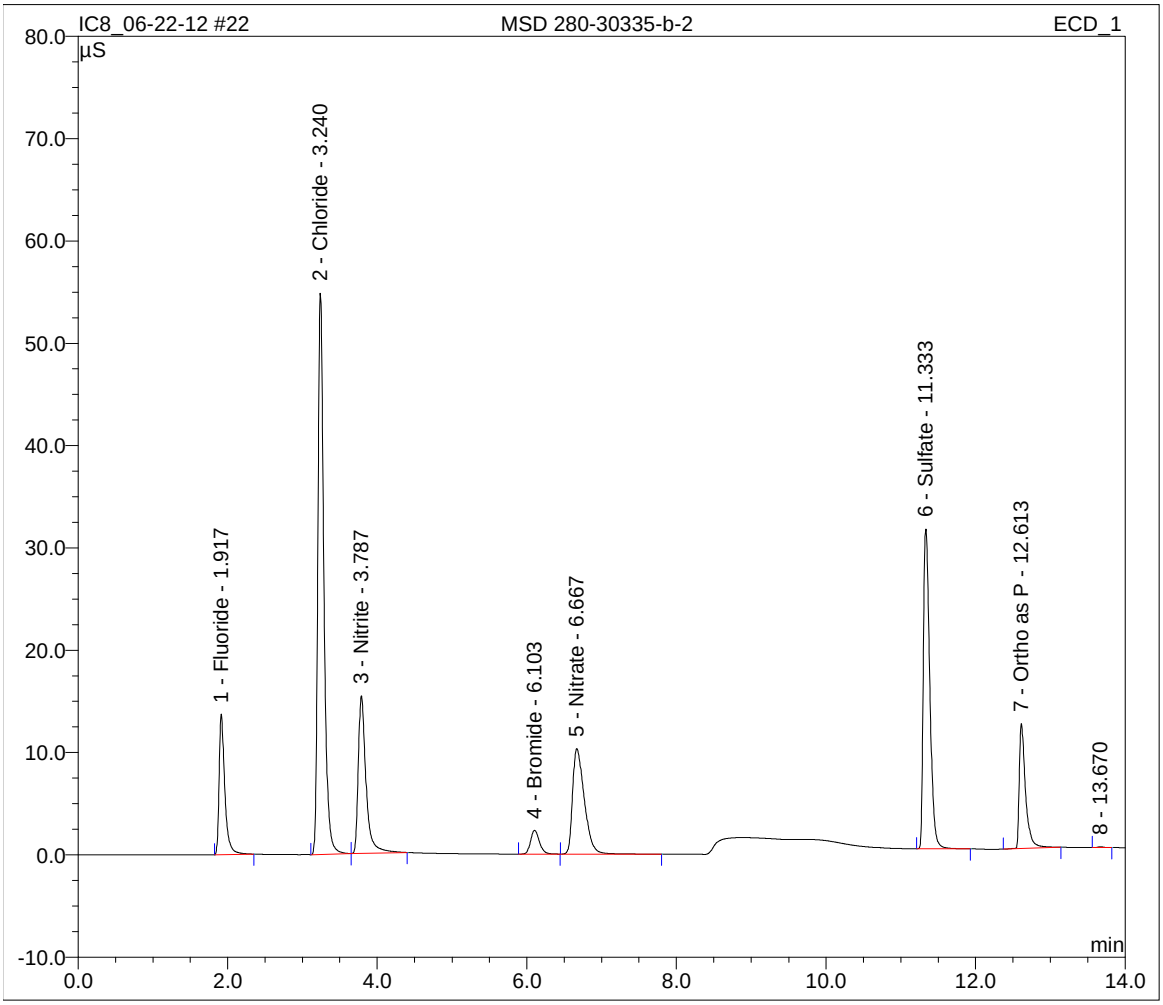
Sample Name:	**MS 280-30335-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 12:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.198	13.597	5.1245
2	3.24	Chloride	BMB	5.072	54.361	37.2252
3	3.79	Nitrite	bMB	1.841	15.241	5.0380
4	6.10	Bromide	BMB	0.315	2.281	5.5039
5	6.67	Nitrate	BMB	1.853	10.196	5.3968
6	11.33	Sulfate	BMB	3.098	31.026	28.7887
7	12.61	Ortho as P	BMB	1.146	11.933	5.4436
		TOTAL:		14.52	138.63	92.52



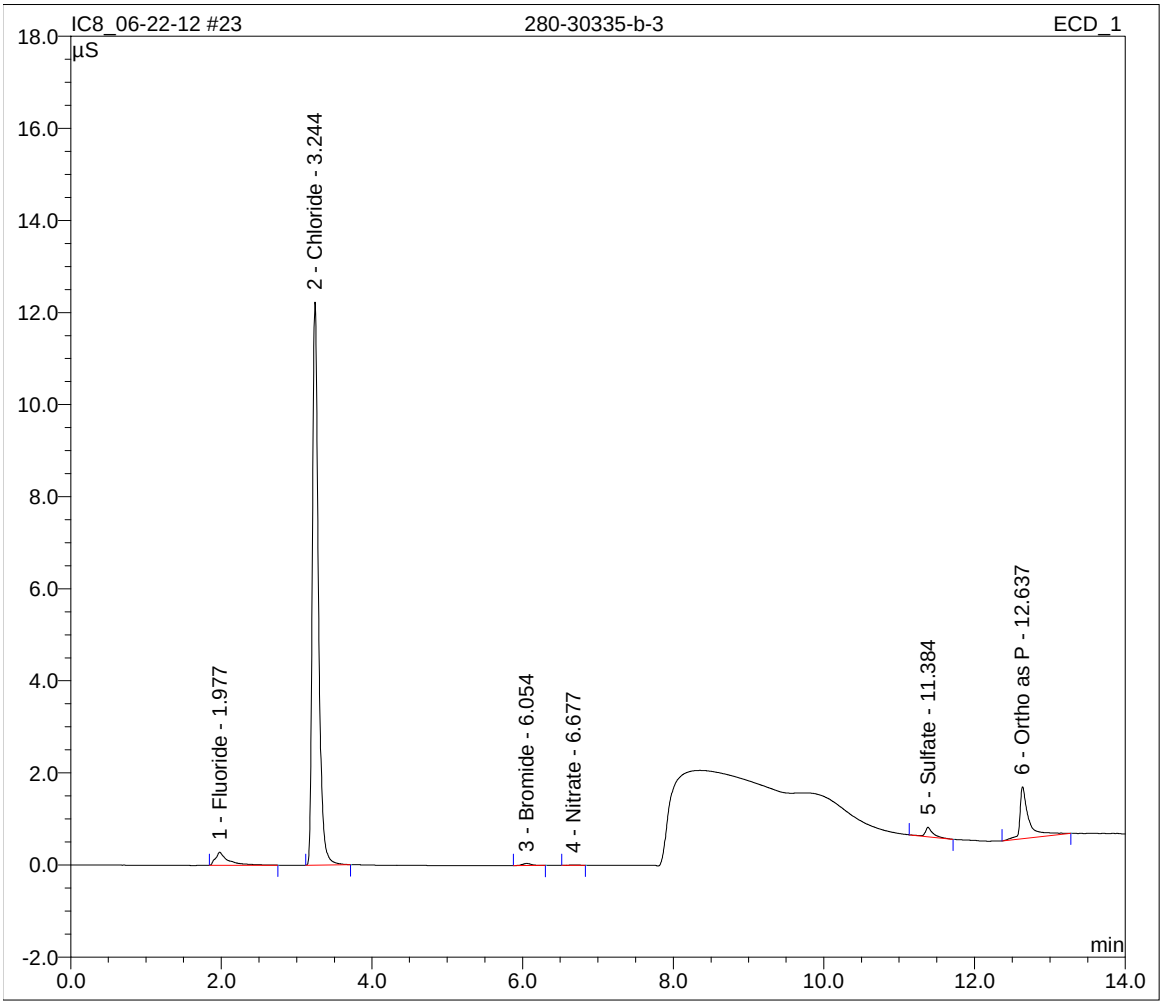
Sample Name:	**MSD 280-30335-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 13:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.214	13.741	5.1901
2	3.24	Chloride	BMB	5.111	54.858	37.5116
3	3.79	Nitrite	BMB	1.852	15.391	5.0686
4	6.10	Bromide	BMB	0.319	2.319	5.5604
5	6.67	Nitrate	BMB	1.872	10.303	5.4530
6	11.33	Sulfate	BMB	3.127	31.240	29.0589
7	12.61	Ortho as P	BMB	1.191	12.213	5.6838
		TOTAL:		14.69	140.07	93.53



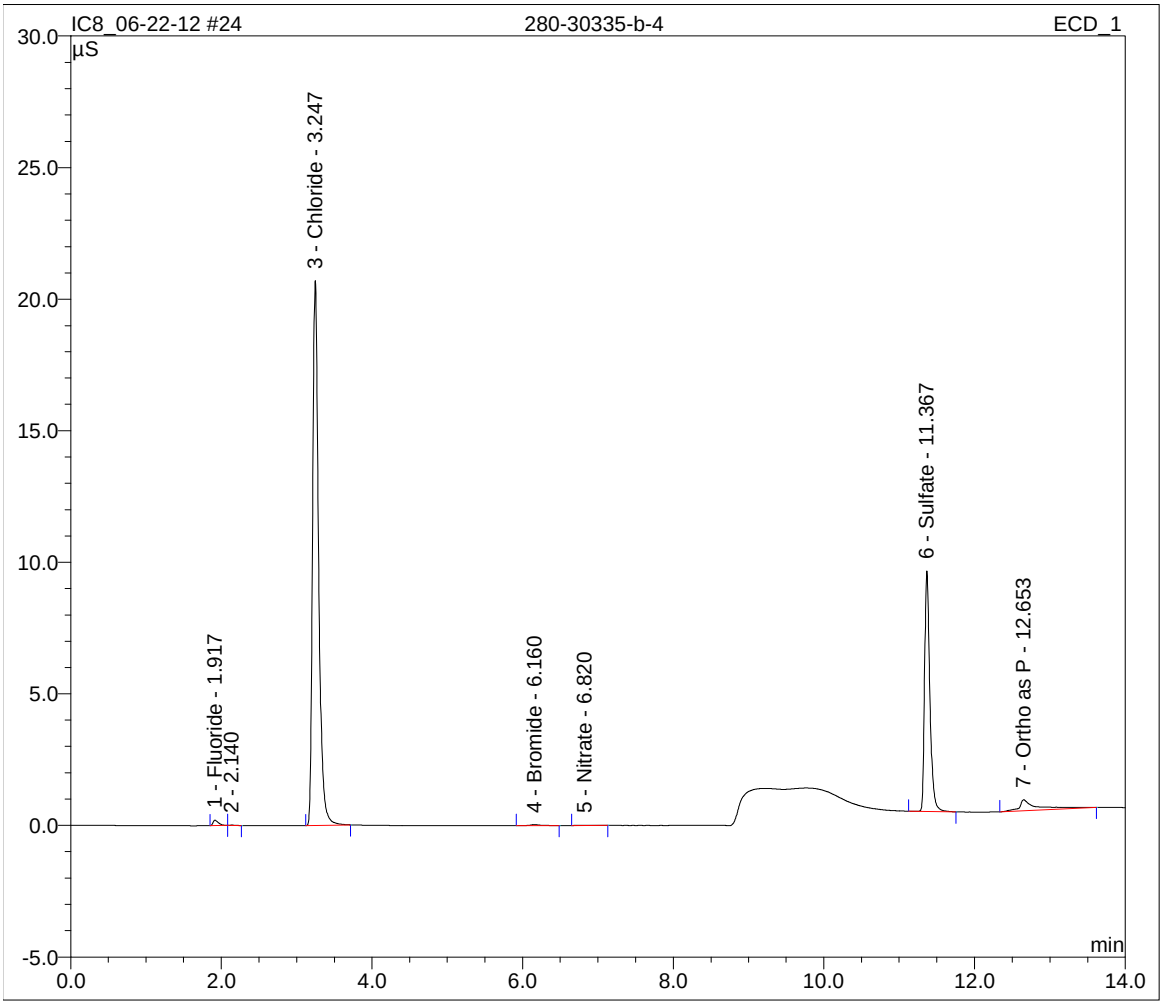
Sample Name:	**280-30335-b-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 13:19**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.98	Fluoride	BMB	0.056	0.286	0.2181
2	3.24	Chloride	BMB	1.135	12.234	8.3820
3	6.05	Bromide	BMB	0.006	0.043	0.1495
4	6.68	Nitrate	BMB	0.001	0.010	0.0384
5	11.38	Sulfate	BMB	0.024	0.207	-0.0709
6	12.64	Ortho as P	BMB	0.153	1.123	0.1883
		TOTAL:		1.38	13.90	8.91



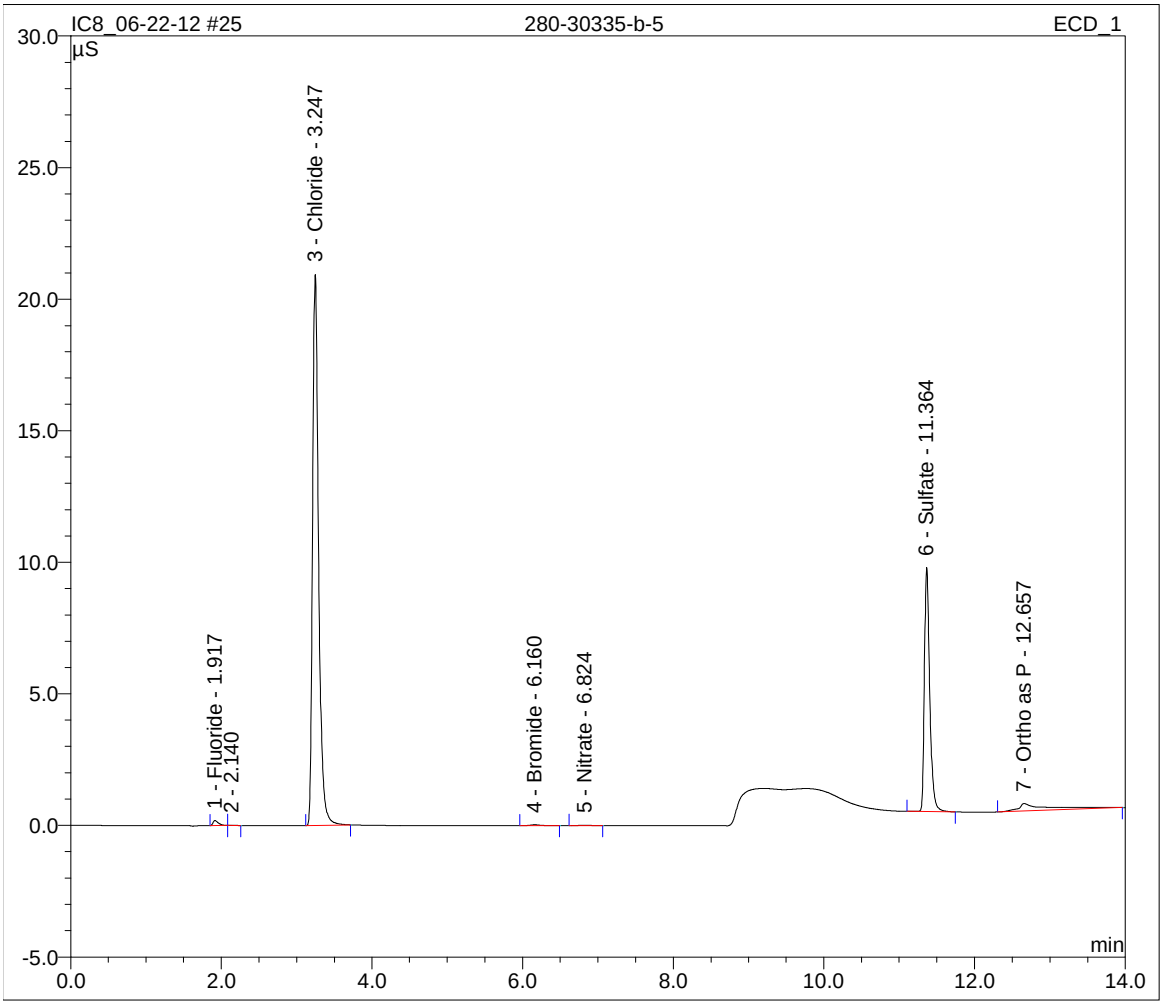
Sample Name:	**280-30335-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 13:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.017	0.211	0.0504
3	3.25	Chloride	BMB	1.915	20.717	14.0960
4	6.16	Bromide	BMB	0.005	0.033	0.1318
5	6.82	Nitrate	BMB	0.002	0.011	0.0398
6	11.37	Sulfate	BMB	0.744	9.146	6.6876
7	12.65	Ortho as P	BMB	0.113	0.421	-0.0271
		TOTAL:		2.80	30.54	20.98



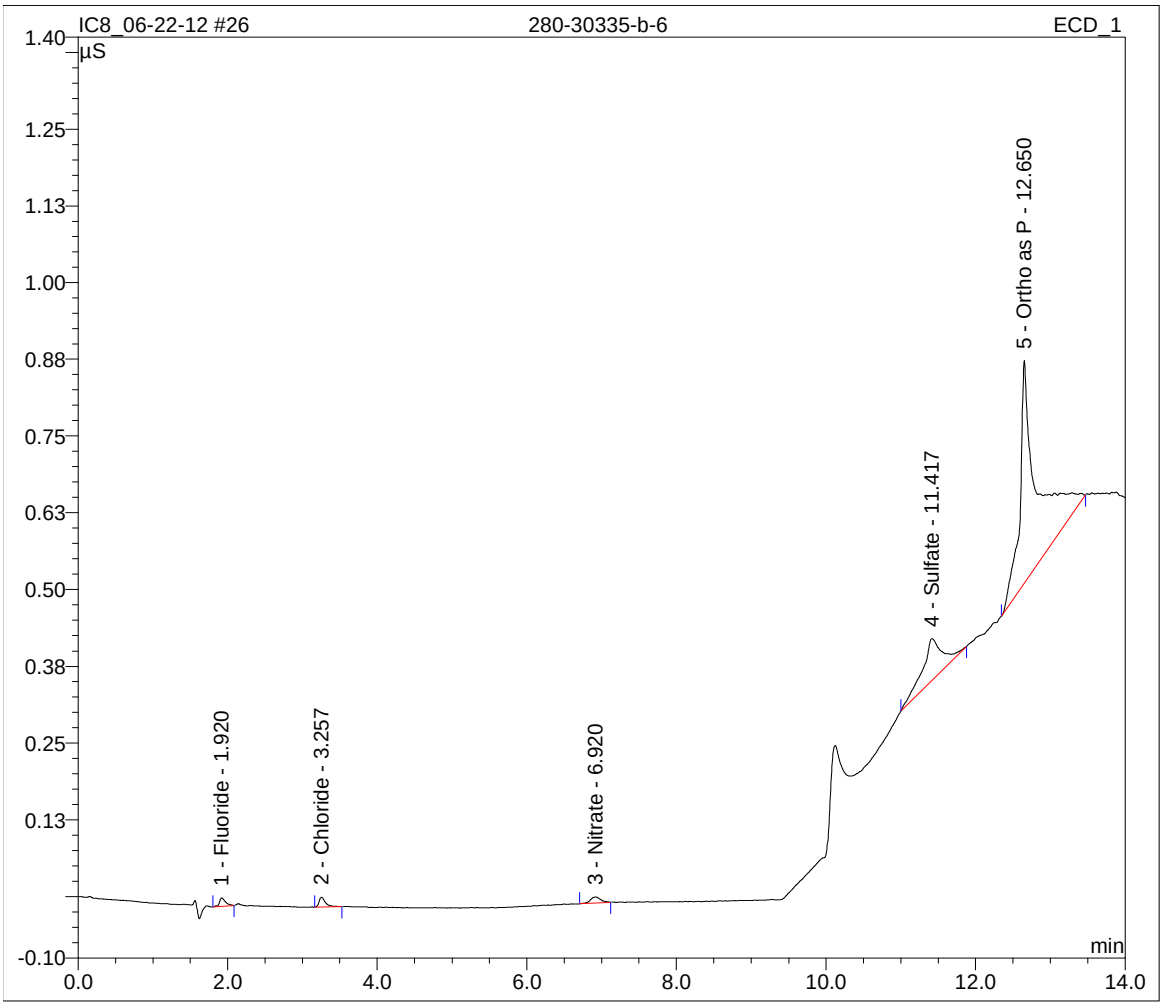
Sample Name:	**280-30335-b-5**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 13:52**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.016	0.199	0.0460
3	3.25	Chloride	BMB	1.940	20.951	14.2786
4	6.16	Bromide	BMB	0.005	0.033	0.1296
5	6.82	Nitrate	BMB	0.002	0.012	0.0400
6	11.36	Sulfate	BMB	0.763	9.284	6.8662
7	12.66	Ortho as P	BMB	0.134	0.290	0.0831
TOTAL:				2.86	30.77	21.44



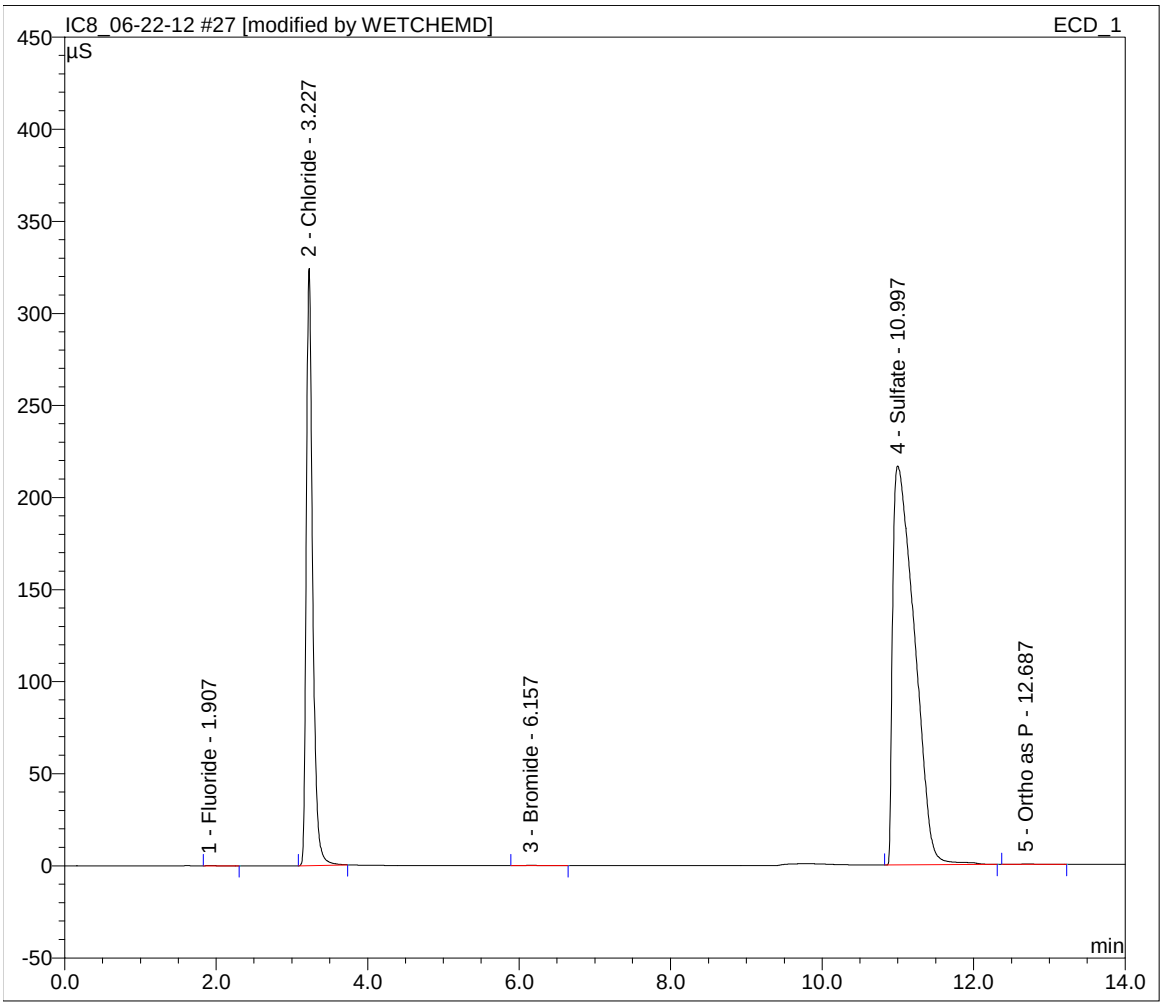
Sample Name:	**280-30335-b-6**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 14:09**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.001	0.014	-0.0172
2	3.26	Chloride	BMB	0.002	0.016	0.0767
3	6.92	Nitrate	BMB	0.002	0.010	0.0392
4	11.42	Sulfate	BMB	0.021	0.068	-0.0990
5	12.65	Ortho as P	BMB	0.097	0.363	-0.1080
		TOTAL:		0.12	0.47	-0.11



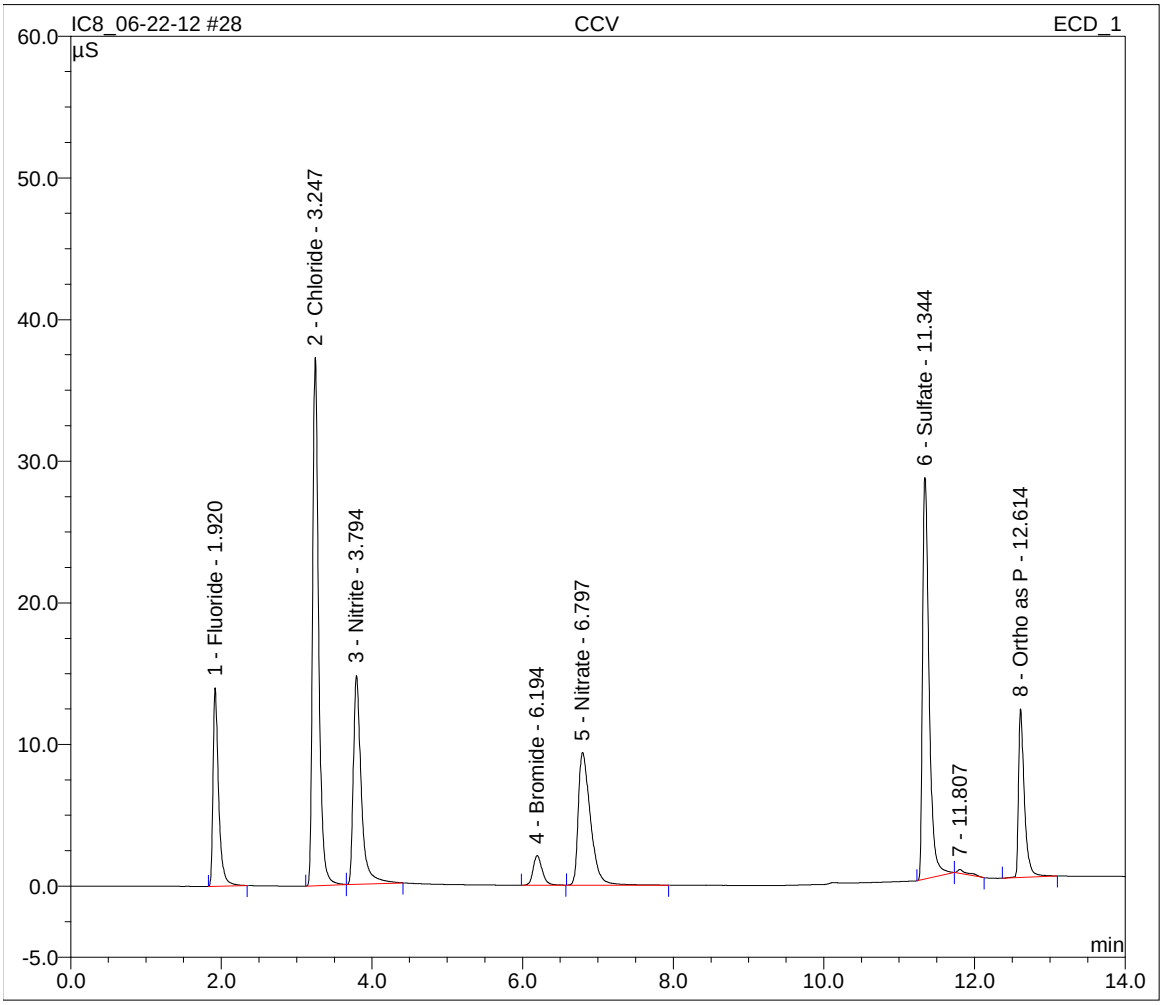
Sample Name:	**280-30328-a-1 5X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 14:26**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.008	0.077	0.0523
2	3.23	Chloride	BMB	31.671	324.248	1160.4643
3	6.16	Bromide	BMB	0.042	0.302	3.8467
4	11.00	Sulfate	BMB*	71.713	216.699	3363.9487
5	12.69	Ortho as P	BMB	0.074	0.286	-1.1726
		TOTAL:		103.51	541.61	4527.14



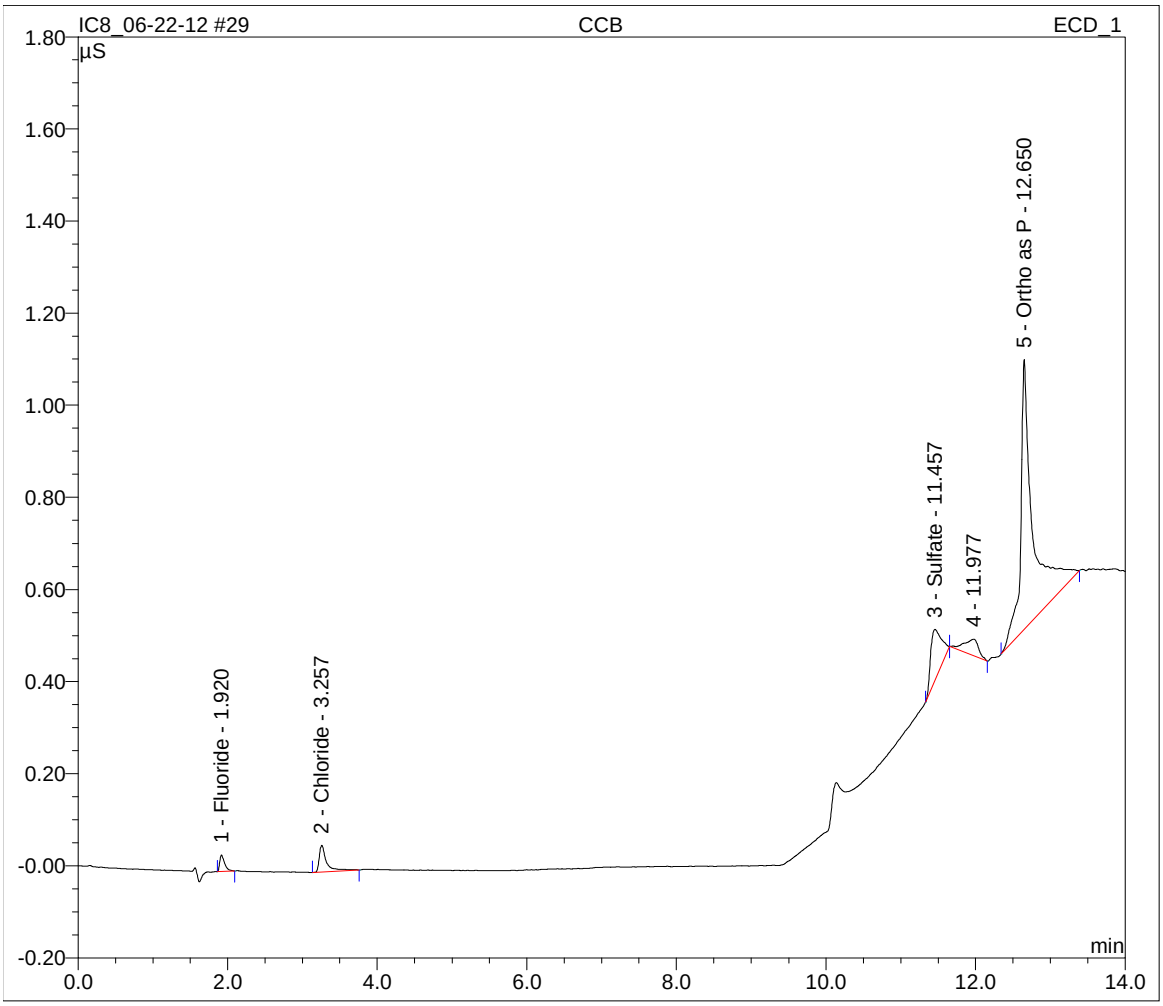
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 14:43**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.198	13.993	5.1245
2	3.25	Chloride	BMB	3.461	37.284	25.4205
3	3.79	Nitrite	BMB	1.789	14.738	4.8973
4	6.19	Bromide	BMB	0.290	2.095	5.0651
5	6.80	Nitrate	BMB	1.750	9.369	5.0977
6	11.34	Sulfate	BMb	2.868	28.346	26.6242
8	12.61	Ortho as P	BMB	1.080	11.894	5.0936
		TOTAL:		12.44	117.72	77.32



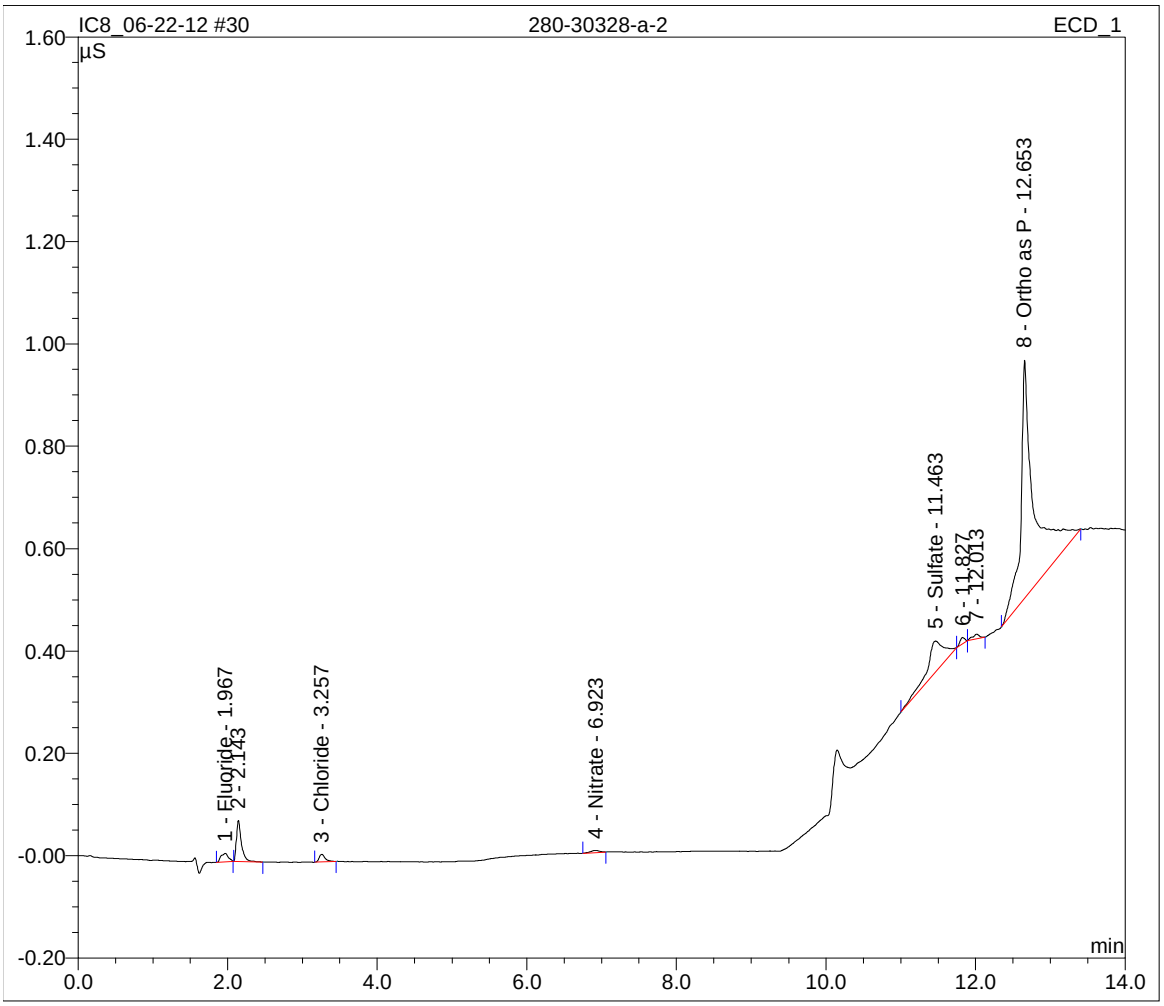
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 14:59**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.003	0.036	-0.0110
2	3.26	Chloride	BMB	0.007	0.058	0.1139
3	11.46	Sulfate	BMb	0.018	0.111	-0.1217
5	12.65	Ortho as P	BMB	0.112	0.585	-0.0297
		TOTAL:		0.14	0.79	-0.05



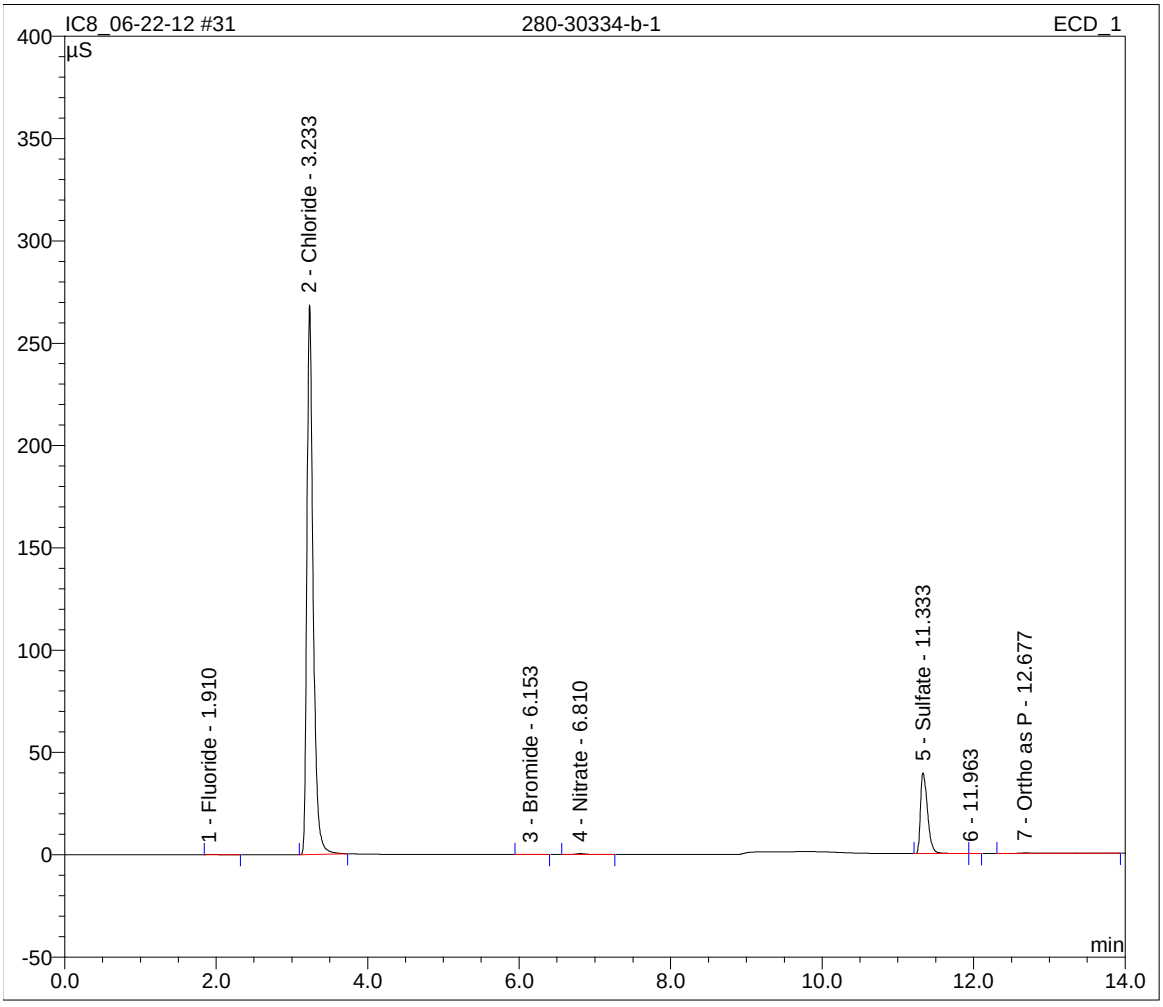
Sample Name:	**280-30328-a-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 15:16**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.97	Fluoride	BMB	0.002	0.017	-0.0145
3	3.26	Chloride	BMB	0.001	0.015	0.0753
4	6.92	Nitrate	BMB	0.001	0.004	0.0363
5	11.46	Sulfate	BMB	0.015	0.061	-0.1489
8	12.65	Ortho as P	BMB	0.098	0.465	-0.1029
		TOTAL:		0.12	0.56	-0.15



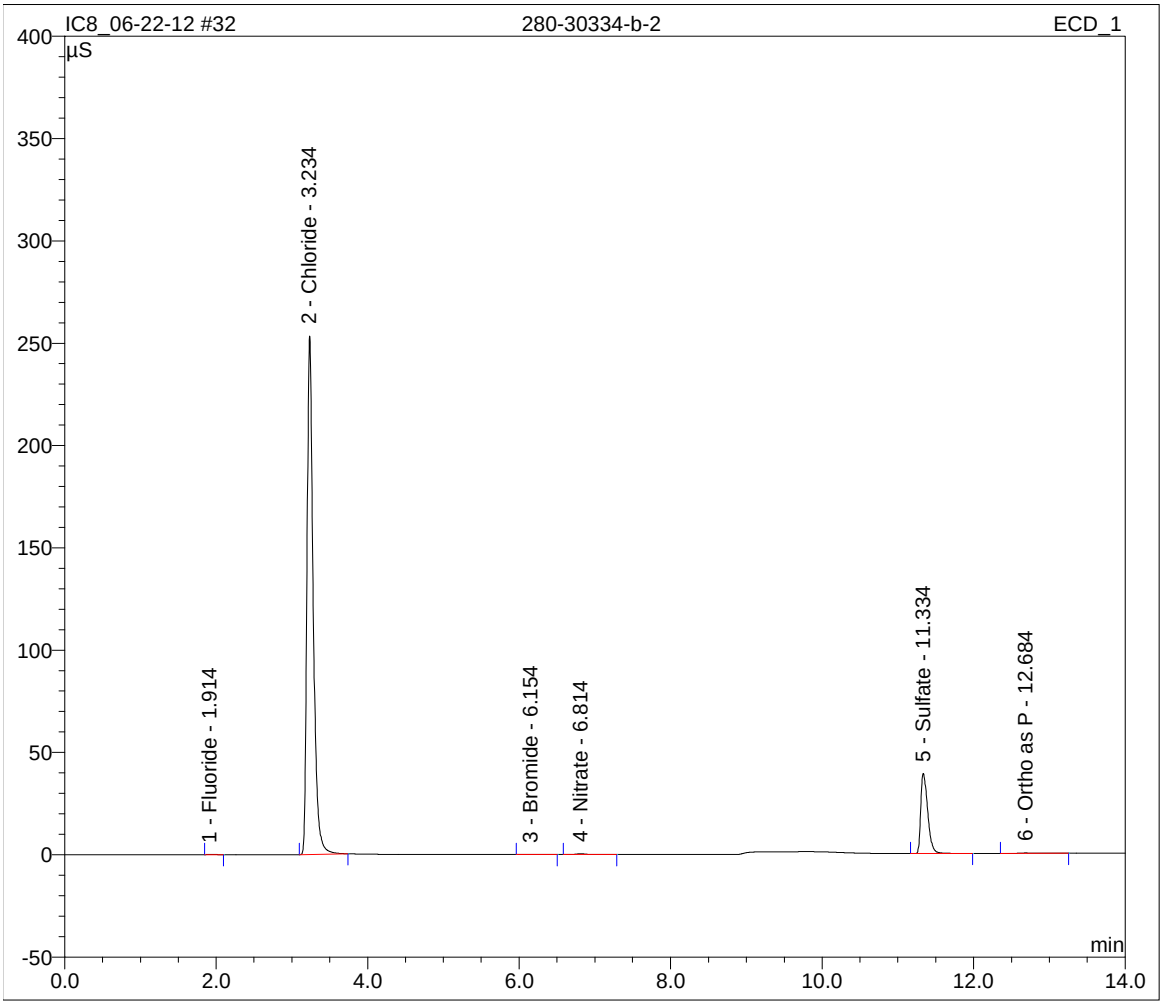
Sample Name:	**280-30334-b-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 15:33**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.014	0.160	0.0362
2	3.23	Chloride	BMB	25.624	268.549	187.7945
3	6.15	Bromide	BMB	0.013	0.096	0.2681
4	6.81	Nitrate	BMB	0.068	0.456	0.2310
5	11.33	Sulfate	BMb	4.252	39.451	39.6182
7	12.68	Ortho as P	BMB	0.132	0.309	0.0729
		TOTAL:		30.10	309.02	228.02



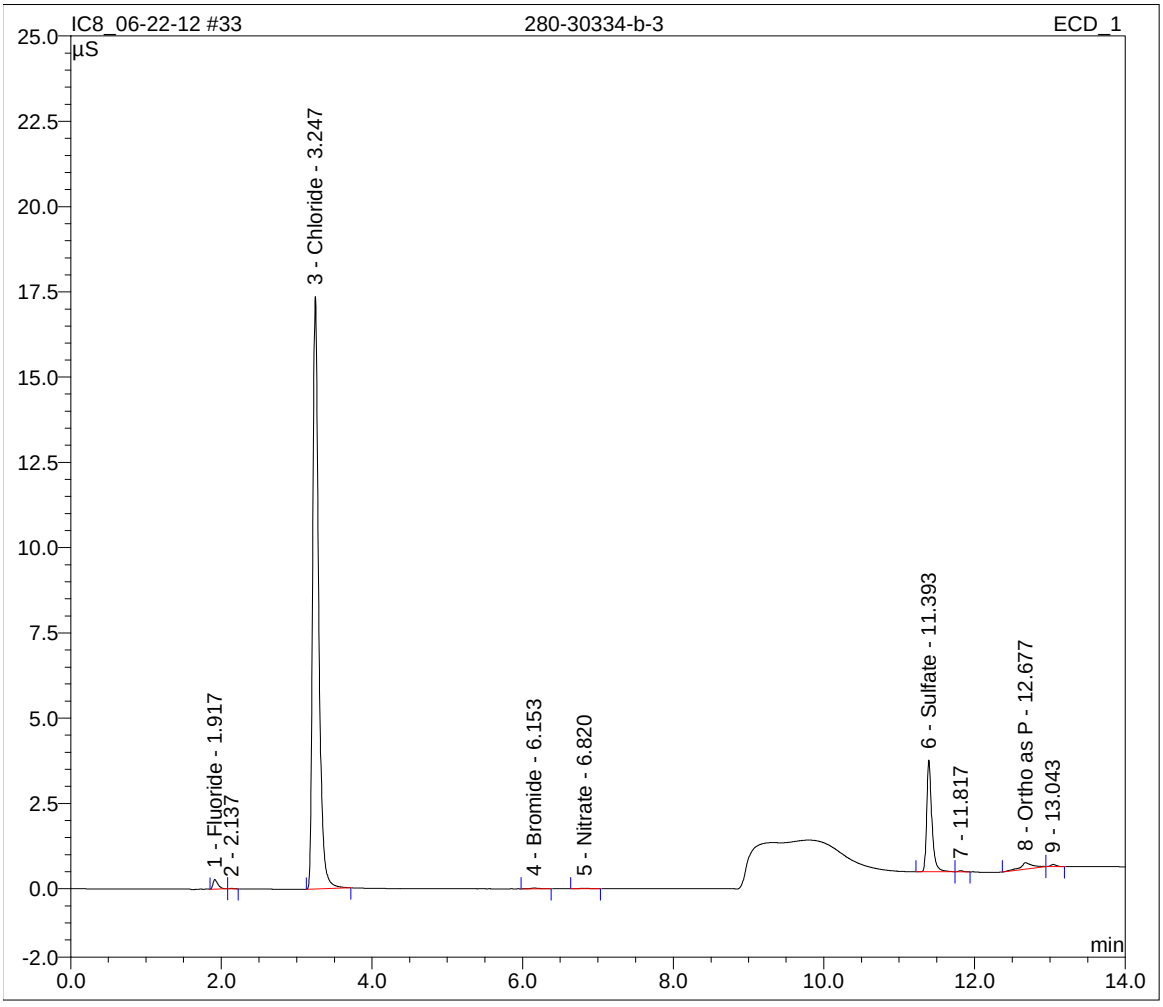
Sample Name:	**280-30334-b-2**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 15:50**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.013	0.159	0.0319
2	3.23	Chloride	BMB	24.212	253.529	177.4530
3	6.15	Bromide	BMB	0.013	0.094	0.2690
4	6.81	Nitrate	BMB	0.055	0.363	0.1924
5	11.33	Sulfate	BMB	4.189	39.142	39.0245
6	12.68	Ortho as P	BMB	0.061	0.225	-0.3015
		TOTAL:		28.54	293.51	216.67



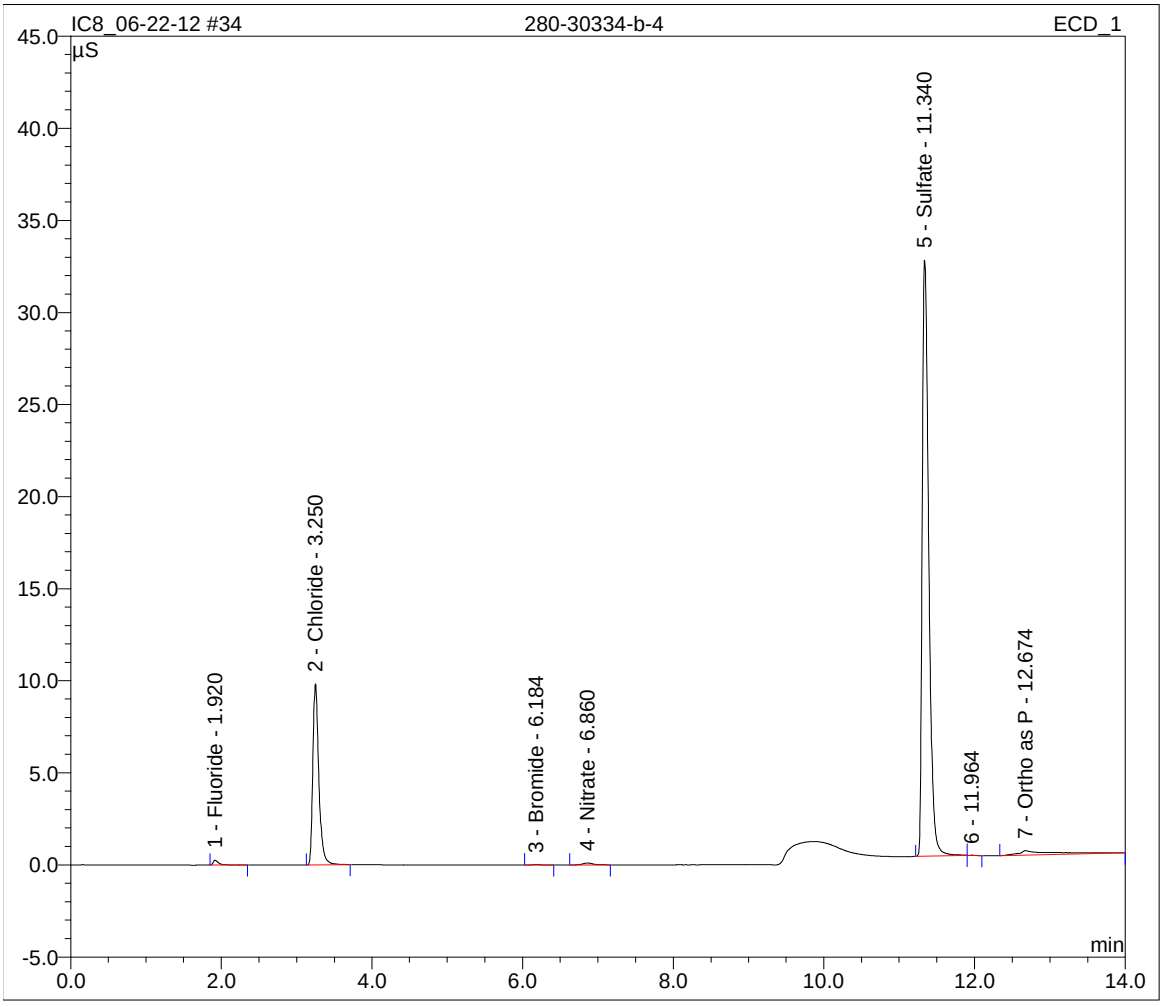
Sample Name:	**280-30334-b-3**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 16:07**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.021	0.279	0.0667
3	3.25	Chloride	BMB	1.600	17.367	11.7855
4	6.15	Bromide	BMB	0.003	0.020	0.0953
5	6.82	Nitrate	BMB	0.002	0.013	0.0403
6	11.39	Sulfate	BMB	0.259	3.269	2.1415
8	12.68	Ortho as P	BMB	0.034	0.189	-0.4429
		TOTAL:		1.92	21.14	13.69



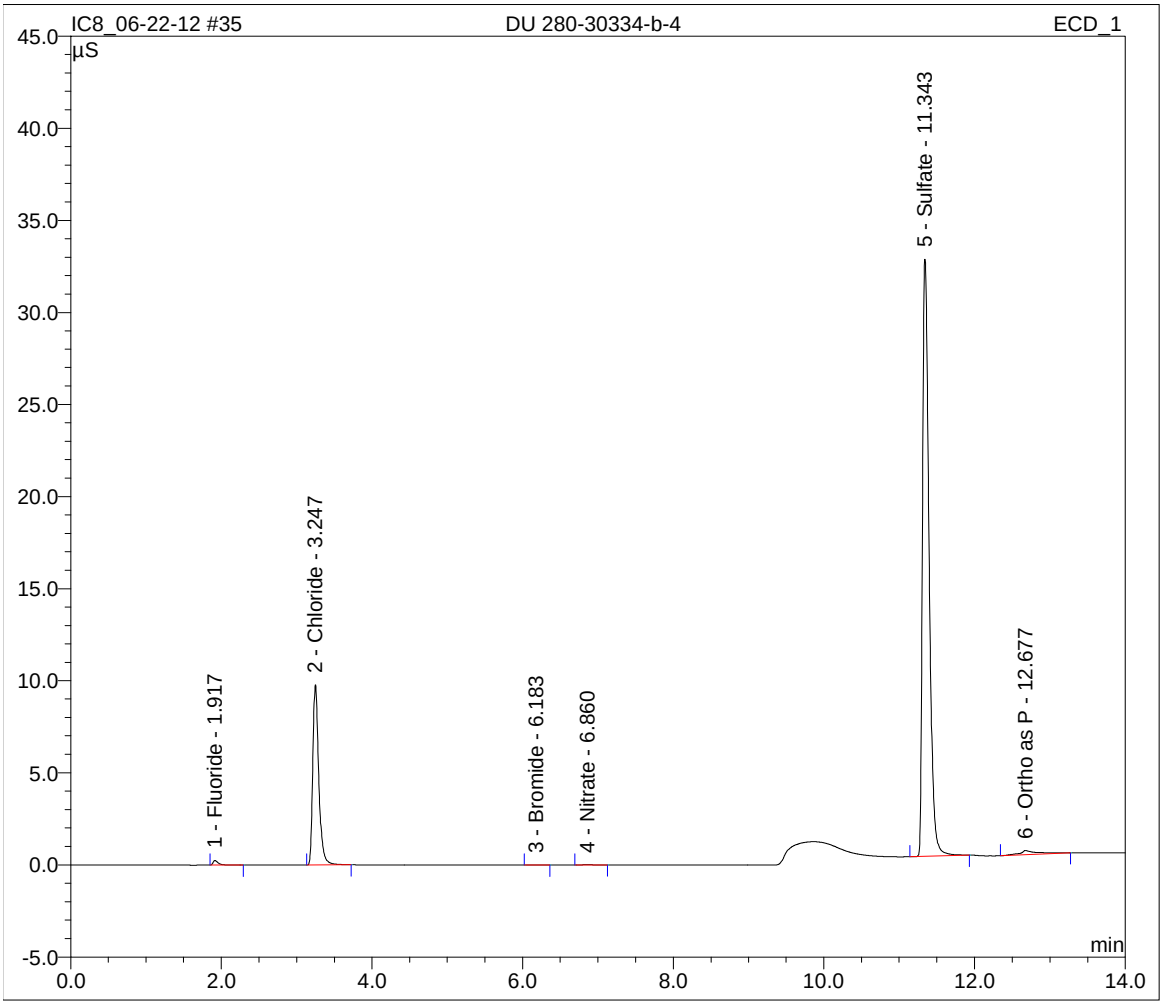
Sample Name:	**280-30334-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 16:23**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.022	0.264	0.0736
2	3.25	Chloride	BMB	0.904	9.829	6.6881
3	6.18	Bromide	BMB	0.001	0.010	0.0703
4	6.86	Nitrate	BMB	0.016	0.104	0.0795
5	11.34	Sulfate	BMB	3.271	32.379	30.4049
7	12.67	Ortho as P	BMB	0.128	0.240	0.0560
		TOTAL:		4.34	42.82	37.37



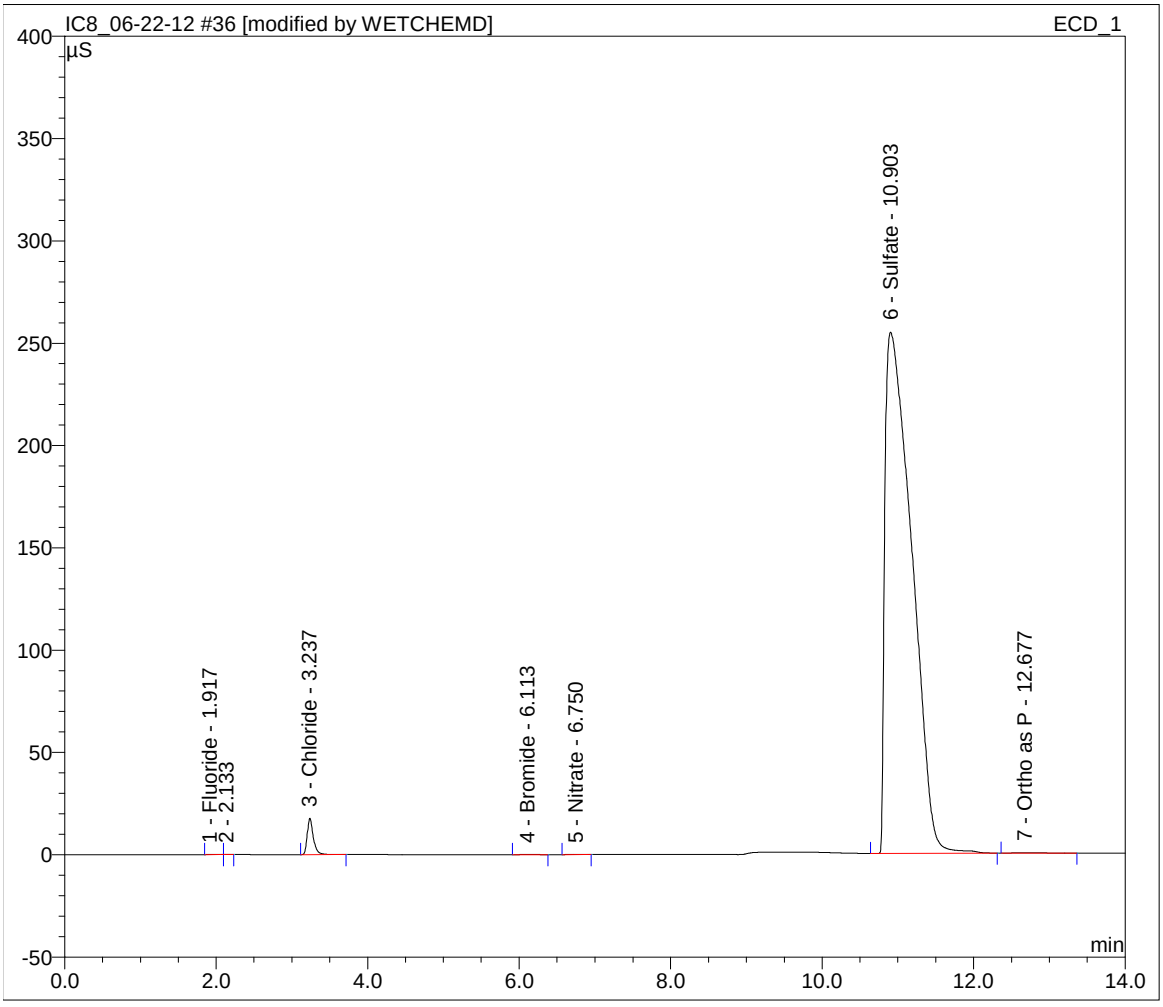
Sample Name:	**DU 280-30334-b-4**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 16:40**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.020	0.254	0.0652
2	3.25	Chloride	BMB	0.900	9.778	6.6556
3	6.18	Bromide	BMB	0.001	0.010	0.0703
4	6.86	Nitrate	BMB	0.003	0.019	0.0426
5	11.34	Sulfate	BMB	3.284	32.429	30.5275
6	12.68	Ortho as P	BMB	0.065	0.229	-0.2817
		TOTAL:		4.27	42.72	37.08



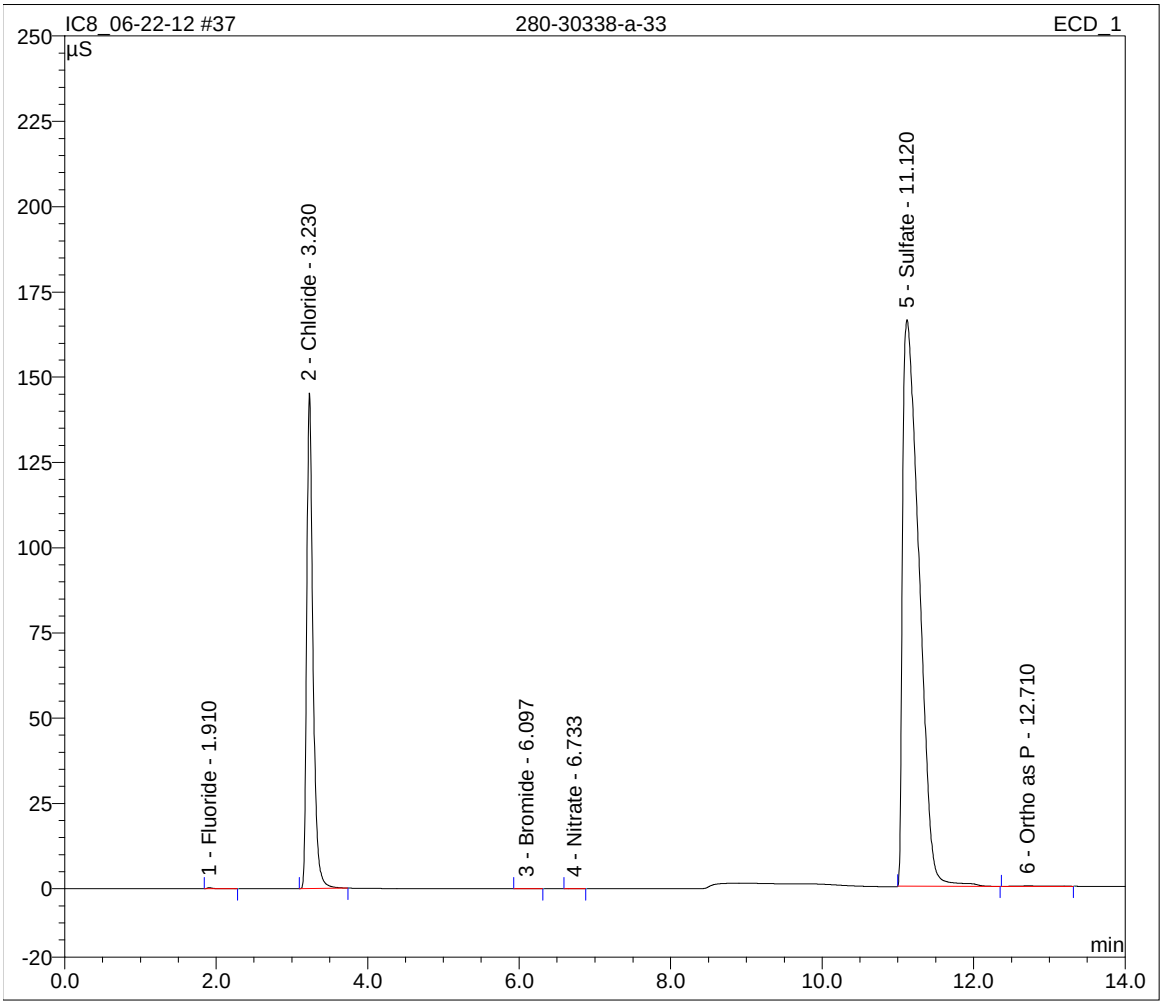
Sample Name:	**280-30338-a-4 2X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**2.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 16:57**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMb	0.019	0.158	0.1205
3	3.24	Chloride	BMB	1.651	17.711	24.3186
4	6.11	Bromide	BMB	0.006	0.045	0.3056
5	6.75	Nitrate	BMB	0.001	0.009	0.0765
6	10.90	Sulfate	BMB*	103.374	254.836	1939.9217
7	12.68	Ortho as P	BMB	0.064	0.193	-0.5670
		TOTAL:		105.12	272.95	1964.18



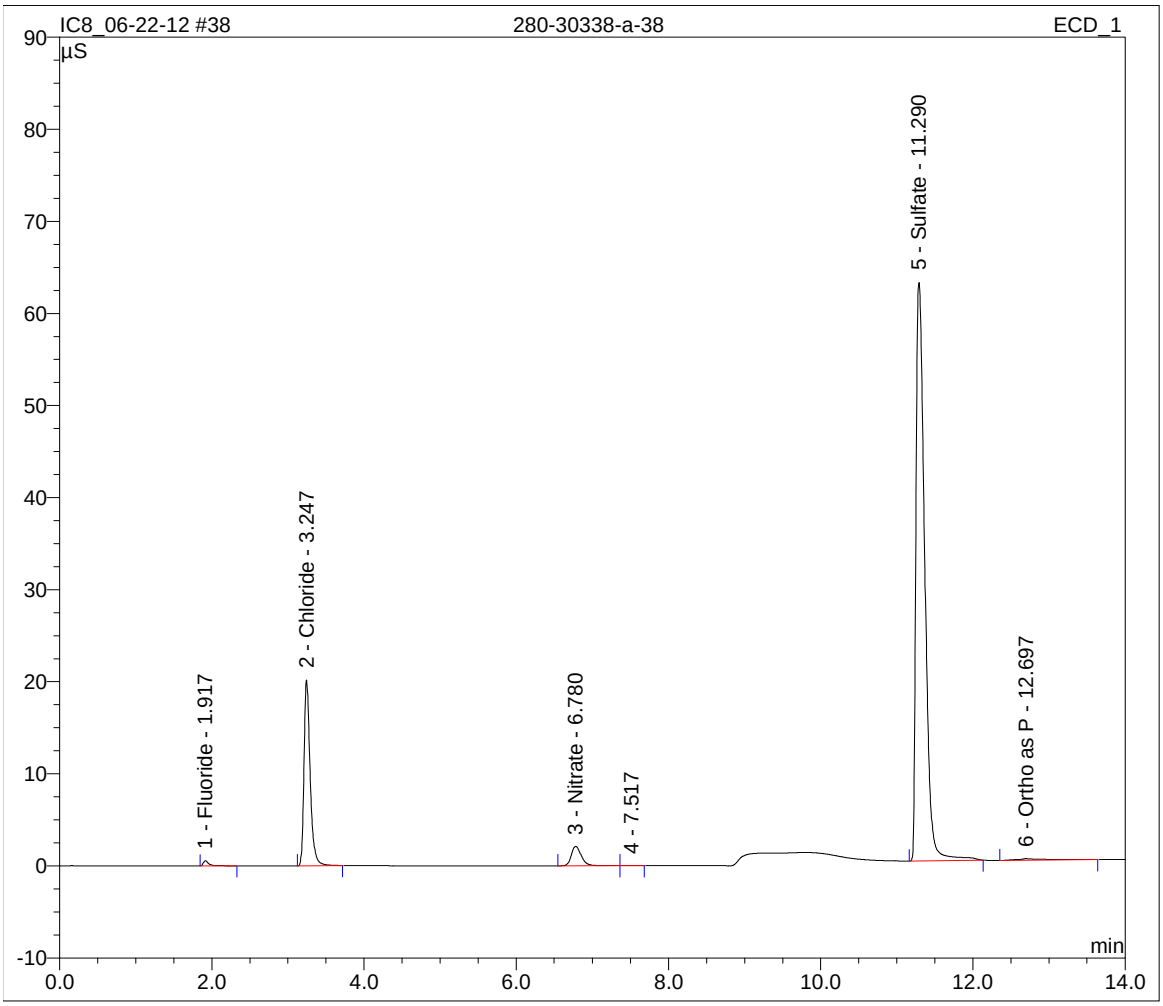
Sample Name:	**280-30338-a-33**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 17:14**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.028	0.321	0.0974
2	3.23	Chloride	BMB	13.909	145.302	101.9700
3	6.10	Bromide	BMB	0.004	0.033	0.1227
4	6.73	Nitrate	BMB	0.001	0.006	0.0368
5	11.12	Sulfate	BMB	41.868	166.089	392.6701
6	12.71	Ortho as P	BMB	0.059	0.165	-0.3113
TOTAL:				55.87	311.92	494.59



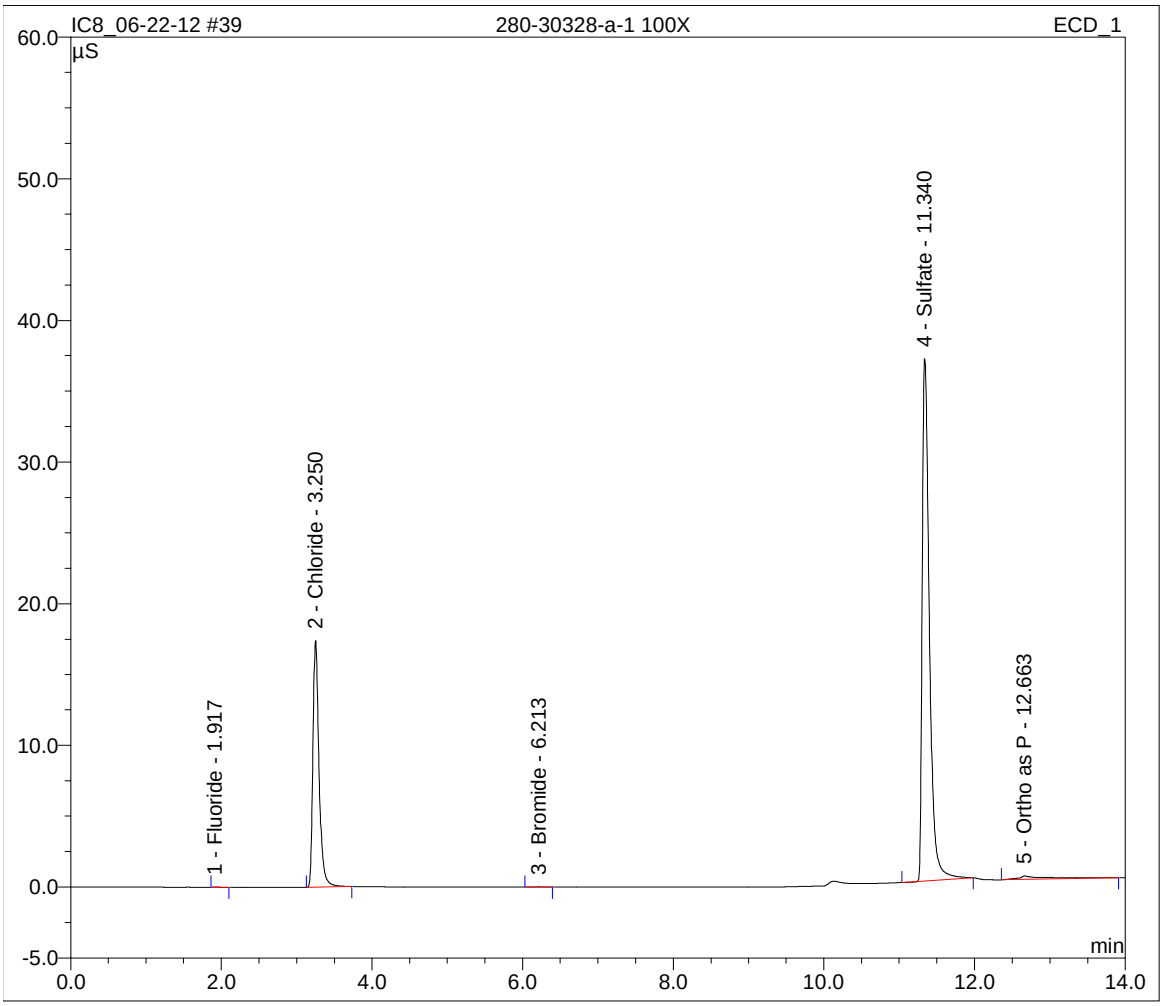
Sample Name:	**280-30338-a-38**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 17:31**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.048	0.571	0.1824
2	3.25	Chloride	BMB	1.876	20.153	13.8100
3	6.78	Nitrate	BMb	0.320	2.104	0.9601
5	11.29	Sulfate	BMB	8.458	62.830	79.0967
6	12.70	Ortho as P	BMB	0.078	0.174	-0.2114
		TOTAL:		10.78	85.83	93.84



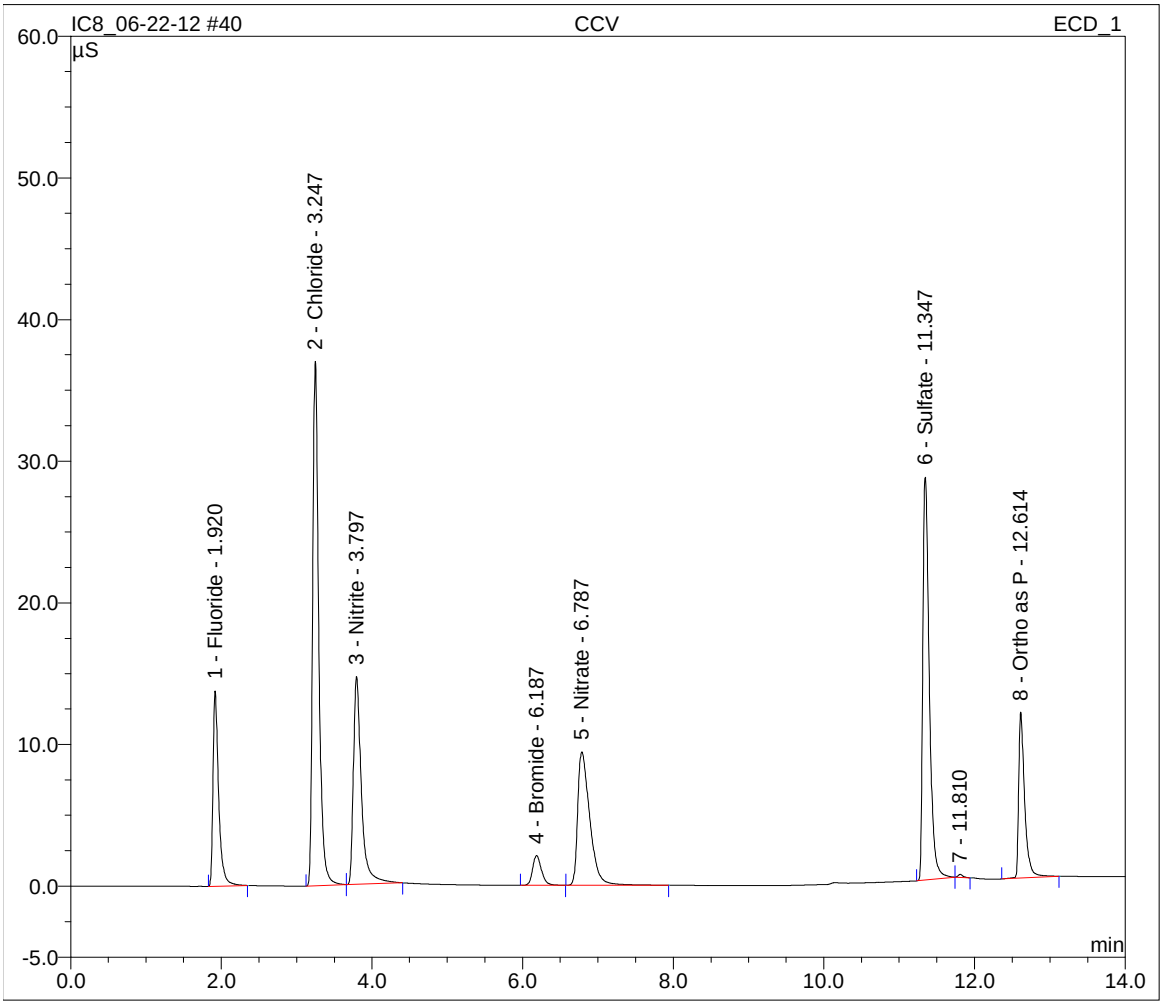
Sample Name:	**280-30328-a-1 100X**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**100.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 17:47**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.001	0.009	-1.9389
2	3.25	Chloride	BMB	1.630	17.400	1200.4063
3	6.21	Bromide	BMB	0.002	0.014	8.1074
4	11.34	Sulfate	BMB	4.090	36.865	3809.9173
5	12.66	Ortho as P	BMB	0.114	0.244	-1.9355
		TOTAL:		5.84	54.53	5014.56



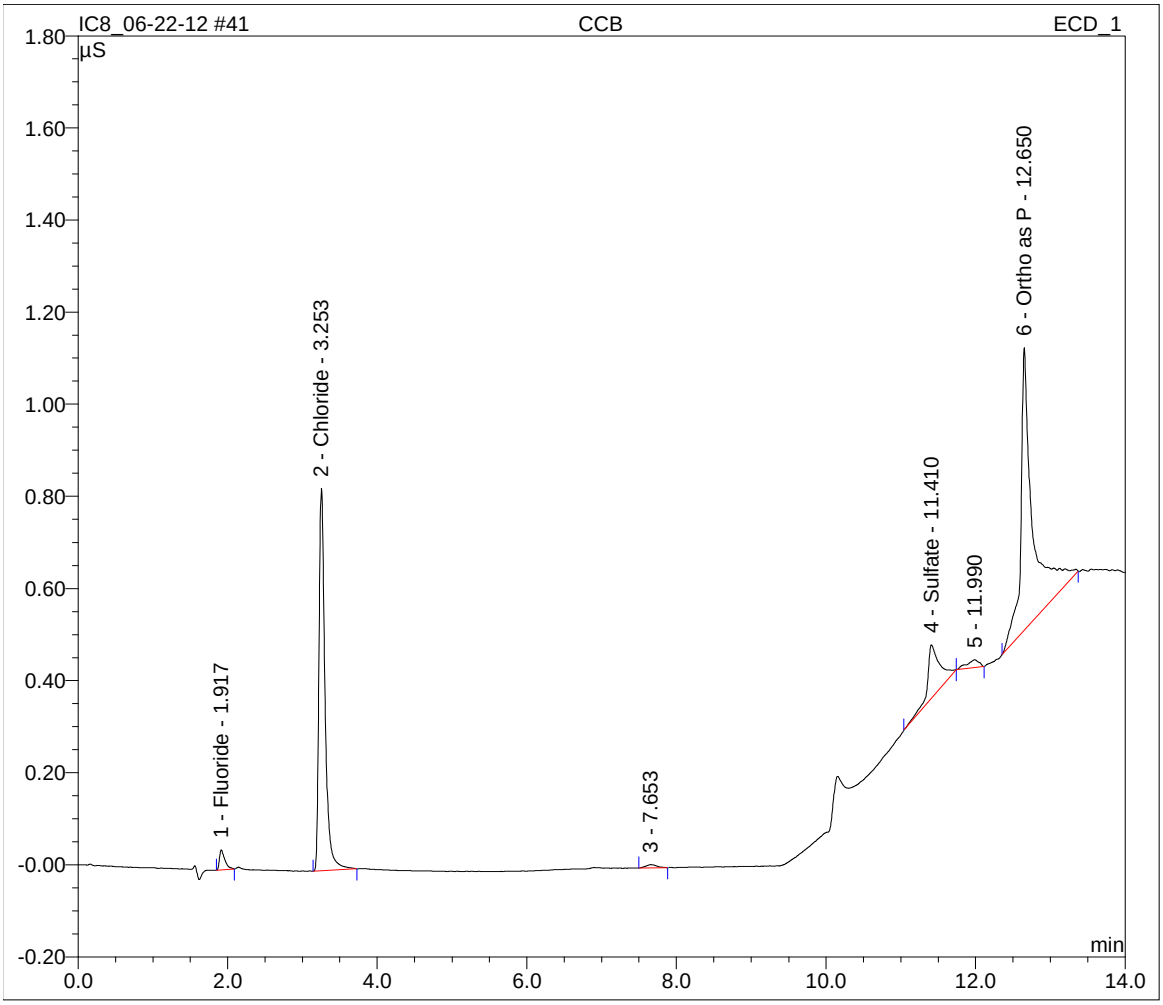
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 18:04**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.196	13.778	5.1121
2	3.25	Chloride	BMB	3.466	37.007	25.4578
3	3.80	Nitrite	BMB	1.798	14.667	4.9211
4	6.19	Bromide	BMB	0.289	2.103	5.0429
5	6.79	Nitrate	BMB	1.748	9.413	5.0921
6	11.35	Sulfate	BMb	2.848	28.433	26.4406
8	12.61	Ortho as P	BMB	1.079	11.692	5.0900
		TOTAL:		12.42	117.09	77.16



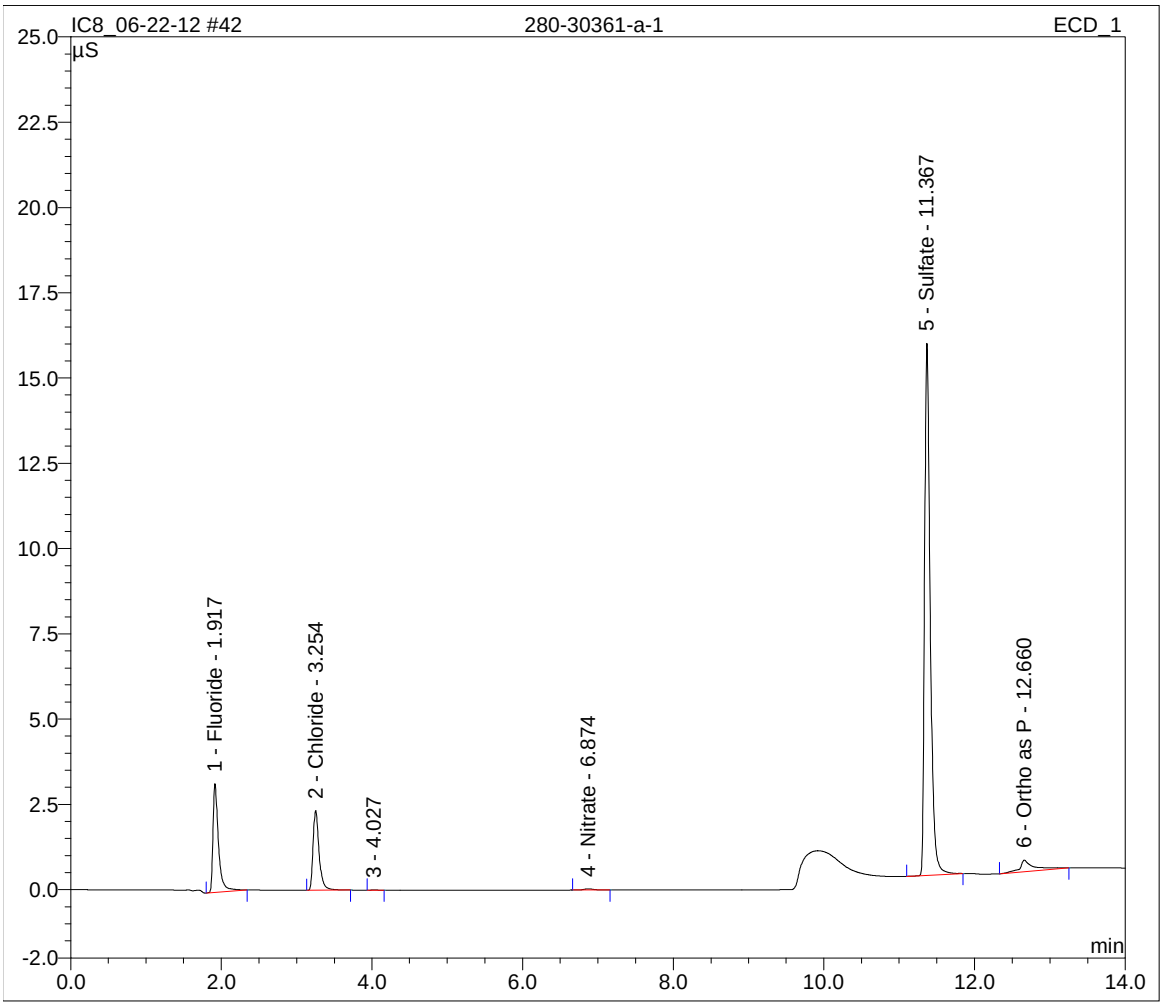
Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 18:21**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.004	0.044	-0.0072
2	3.25	Chloride	BMB	0.078	0.830	0.6364
4	11.41	Sulfate	BMB	0.022	0.117	-0.0904
6	12.65	Ortho as P	BMB	0.115	0.613	-0.0160
		TOTAL:		0.22	1.60	0.52



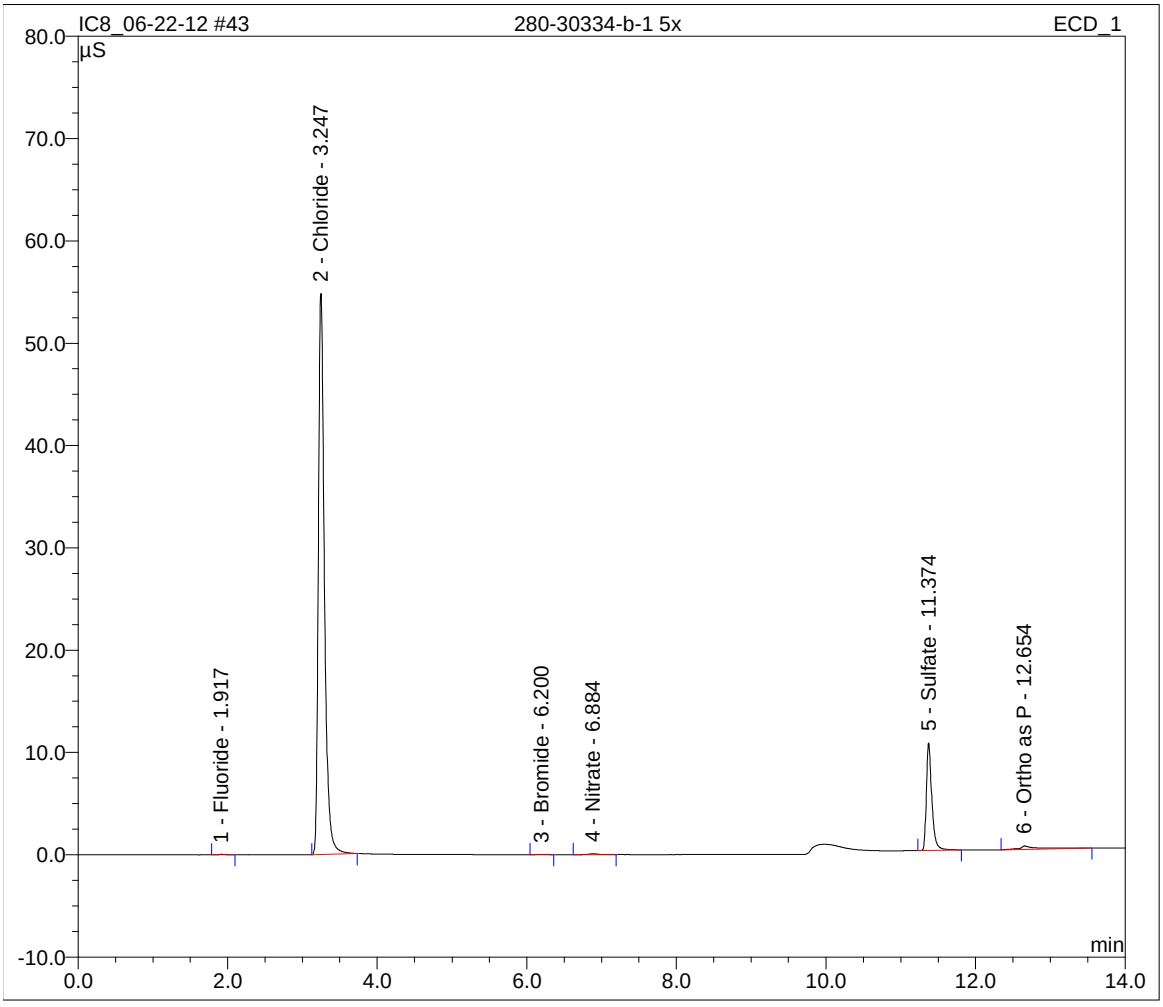
Sample Name:	**280-30361-a-1**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 18:38**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.270	3.183	1.1375
2	3.25	Chloride	BMB	0.216	2.329	1.6511
4	6.87	Nitrate	BMB	0.005	0.035	0.0500
5	11.37	Sulfate	BMB	1.360	15.606	12.4751
6	12.66	Ortho as P	BMB	0.073	0.343	-0.2350
		TOTAL:		1.93	21.50	15.08



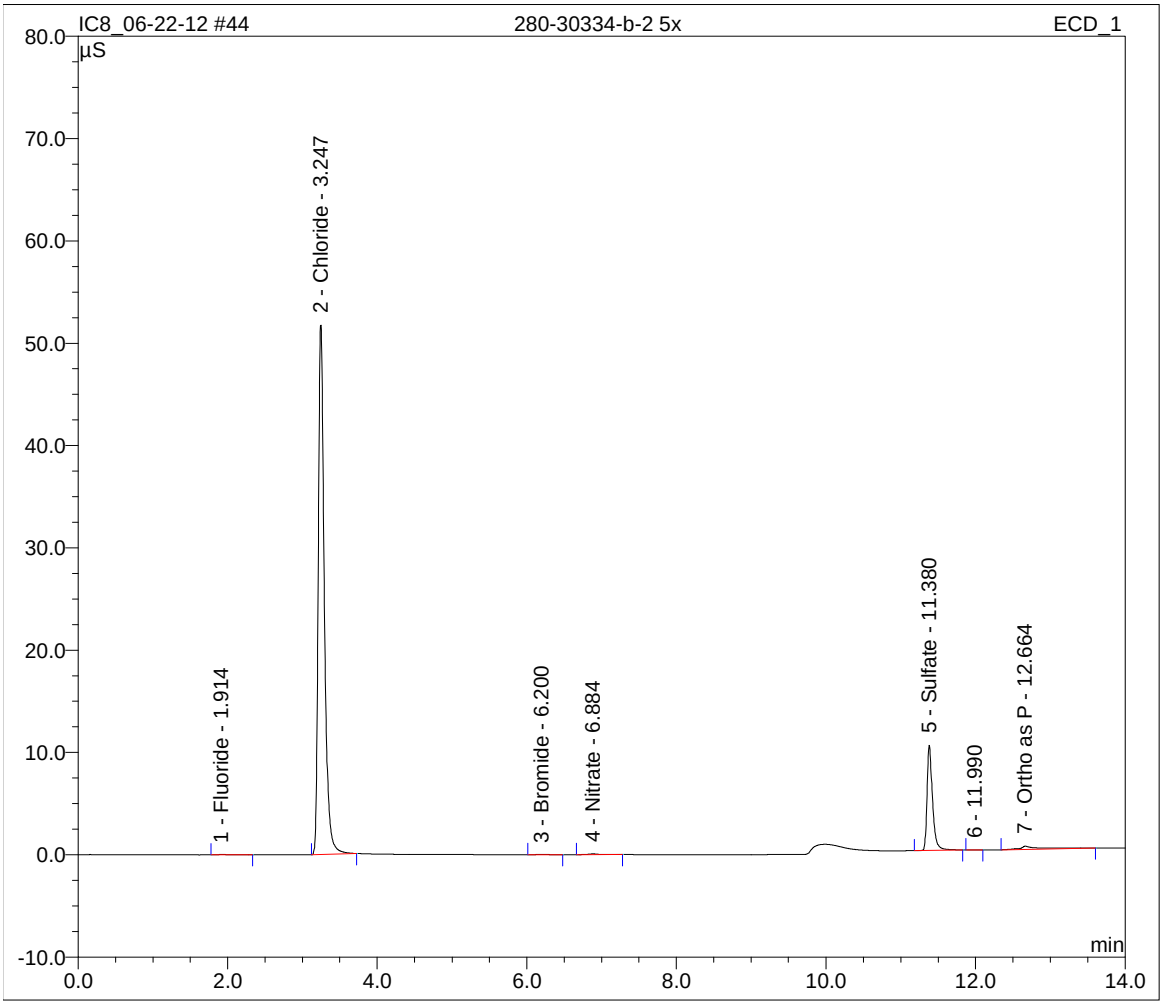
Sample Name:	**280-30334-b-1 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 18:55**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.004	0.052	-0.0191
2	3.25	Chloride	BMB	5.160	54.838	189.3304
3	6.20	Bromide	BMB	0.002	0.018	0.4273
4	6.88	Nitrate	BMB	0.012	0.082	0.3538
5	11.37	Sulfate	BMB	0.888	10.483	40.2309
6	12.65	Ortho as P	BMB	0.098	0.335	-0.5311
		TOTAL:		6.16	65.81	229.79



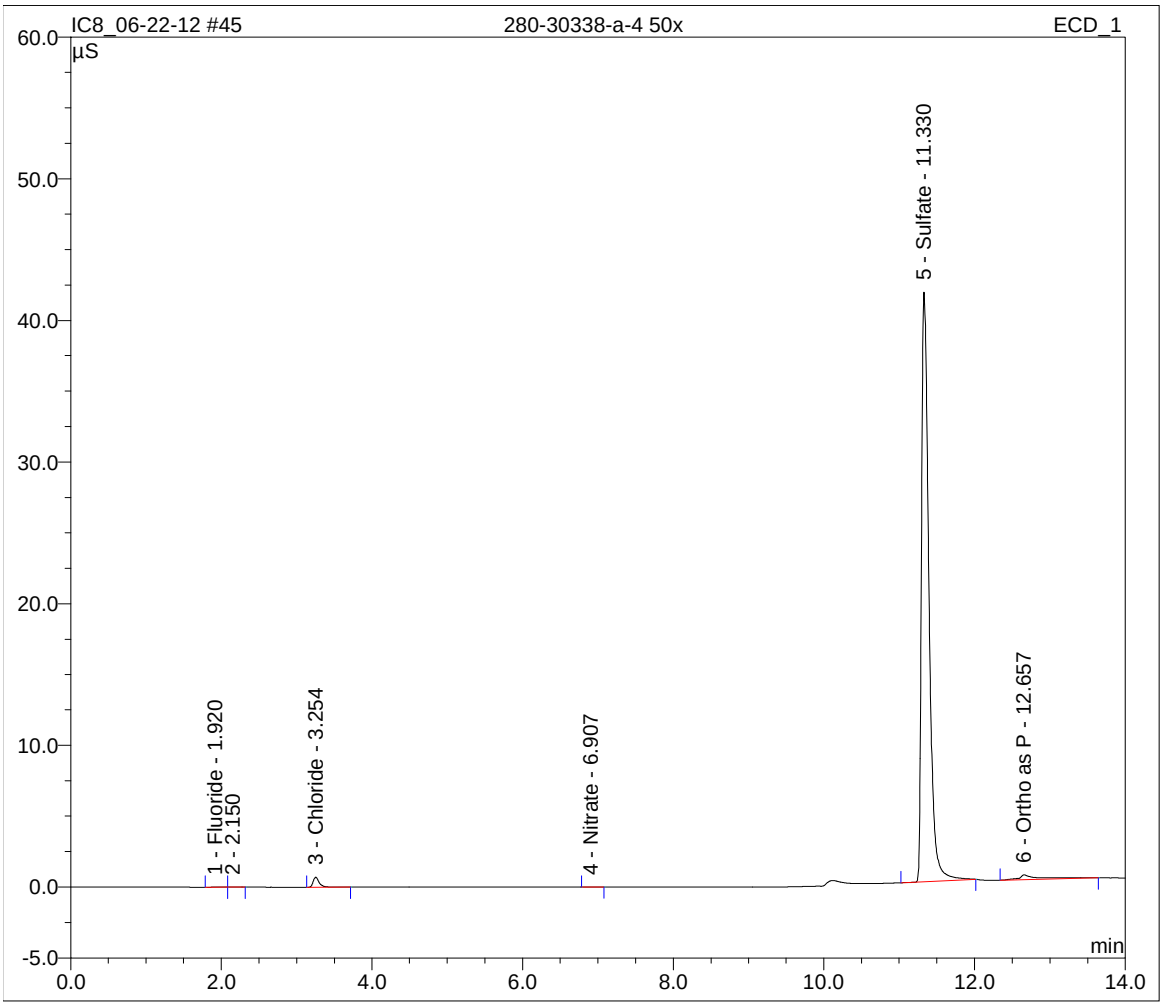
Sample Name:	**280-30334-b-2 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 19:11**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.91	Fluoride	BMB	0.005	0.042	-0.0129
2	3.25	Chloride	BMB	4.865	51.759	178.5563
3	6.20	Bromide	BMB	0.003	0.018	0.4595
4	6.88	Nitrate	BMB	0.011	0.069	0.3327
5	11.38	Sulfate	BMB	0.869	10.271	39.3246
7	12.66	Ortho as P	BMB	0.099	0.318	-0.4875
		TOTAL:		5.85	62.48	218.17



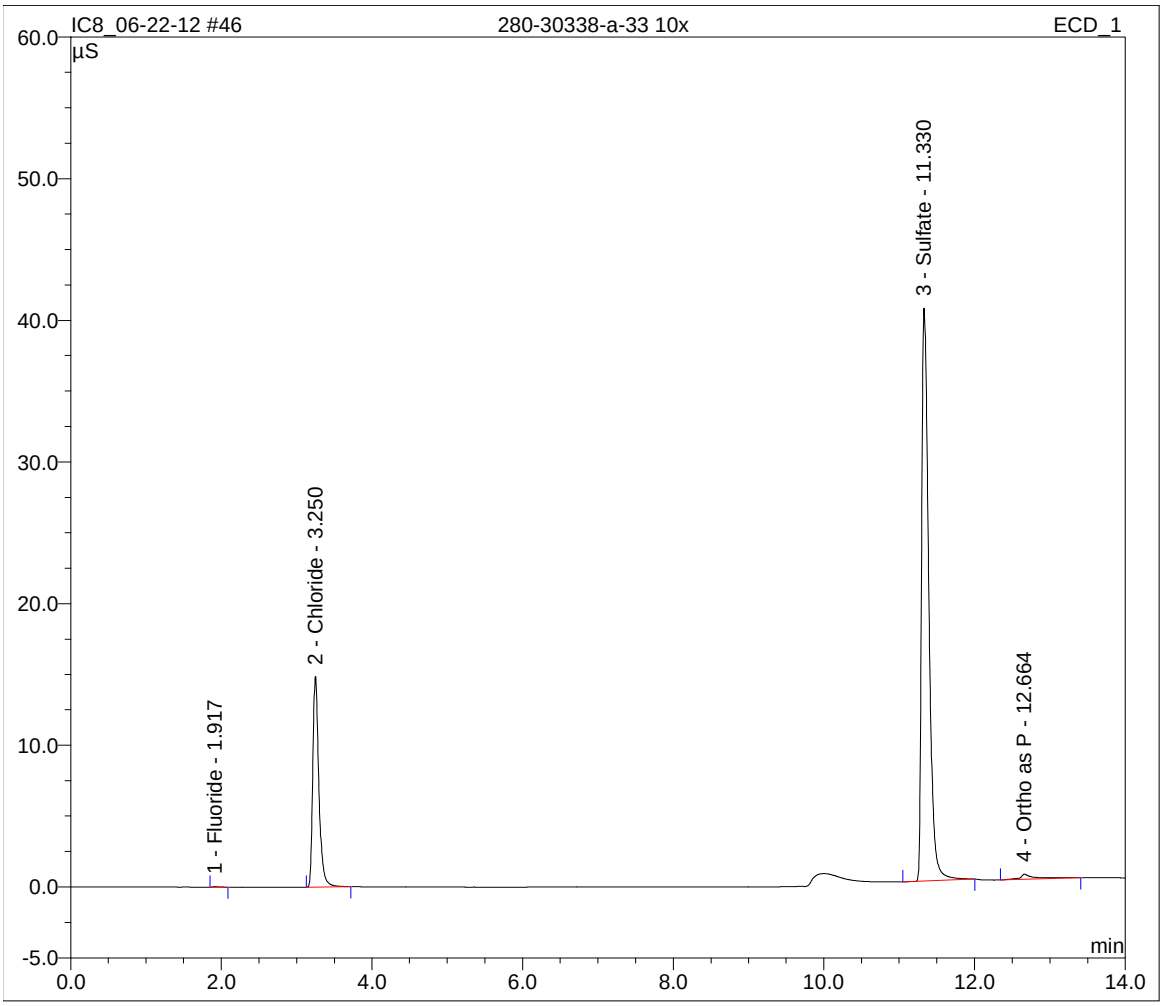
Sample Name:	**280-30338-a-4 50x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**50.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 19:28**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.002	0.017	-0.7653
3	3.25	Chloride	BMB	0.066	0.708	27.2816
4	6.91	Nitrate	BMB	0.001	0.005	1.8145
5	11.33	Sulfate	BMB	4.805	41.633	2240.2203
6	12.66	Ortho as P	BMB	0.106	0.343	-3.1742
		TOTAL:		4.98	42.71	2265.38



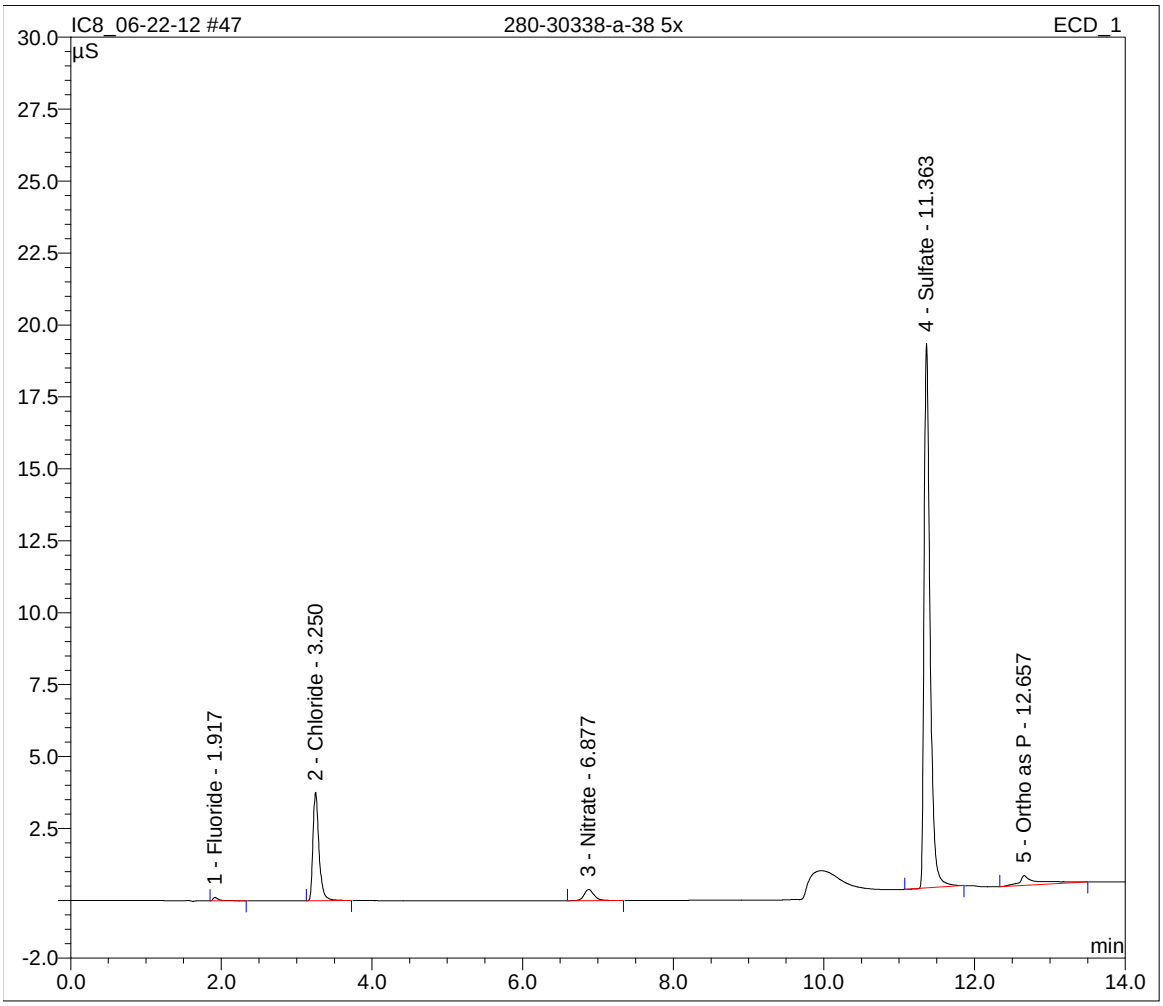
Sample Name:	**280-30338-a-33 10x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**10.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 19:45**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.003	0.038	-0.1022
2	3.25	Chloride	BMB	1.388	14.881	102.3670
3	11.33	Sulfate	BMB	4.510	40.443	420.3608
4	12.66	Ortho as P	BMB	0.085	0.371	-1.7615
TOTAL:				5.99	55.73	520.86



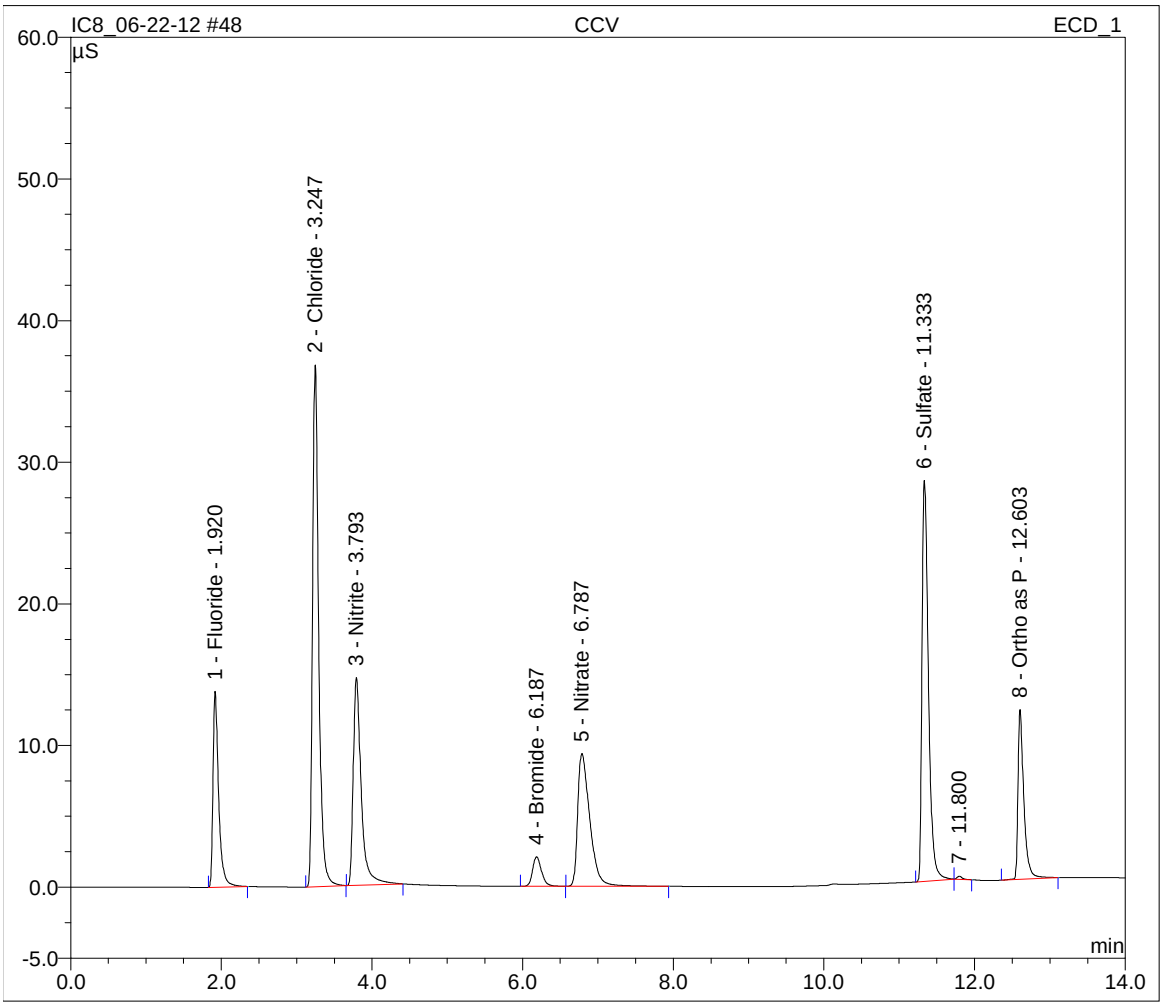
Sample Name:	**280-30338-a-38 5x**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**5.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 20:02**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.010	0.118	0.1008
2	3.25	Chloride	BMB	0.350	3.762	13.1294
3	6.88	Nitrate	BMB	0.059	0.385	1.0241
4	11.36	Sulfate	BMB	1.734	18.925	79.9081
5	12.66	Ortho as P	BMB	0.093	0.342	-0.6558
		TOTAL:		2.25	23.53	93.51



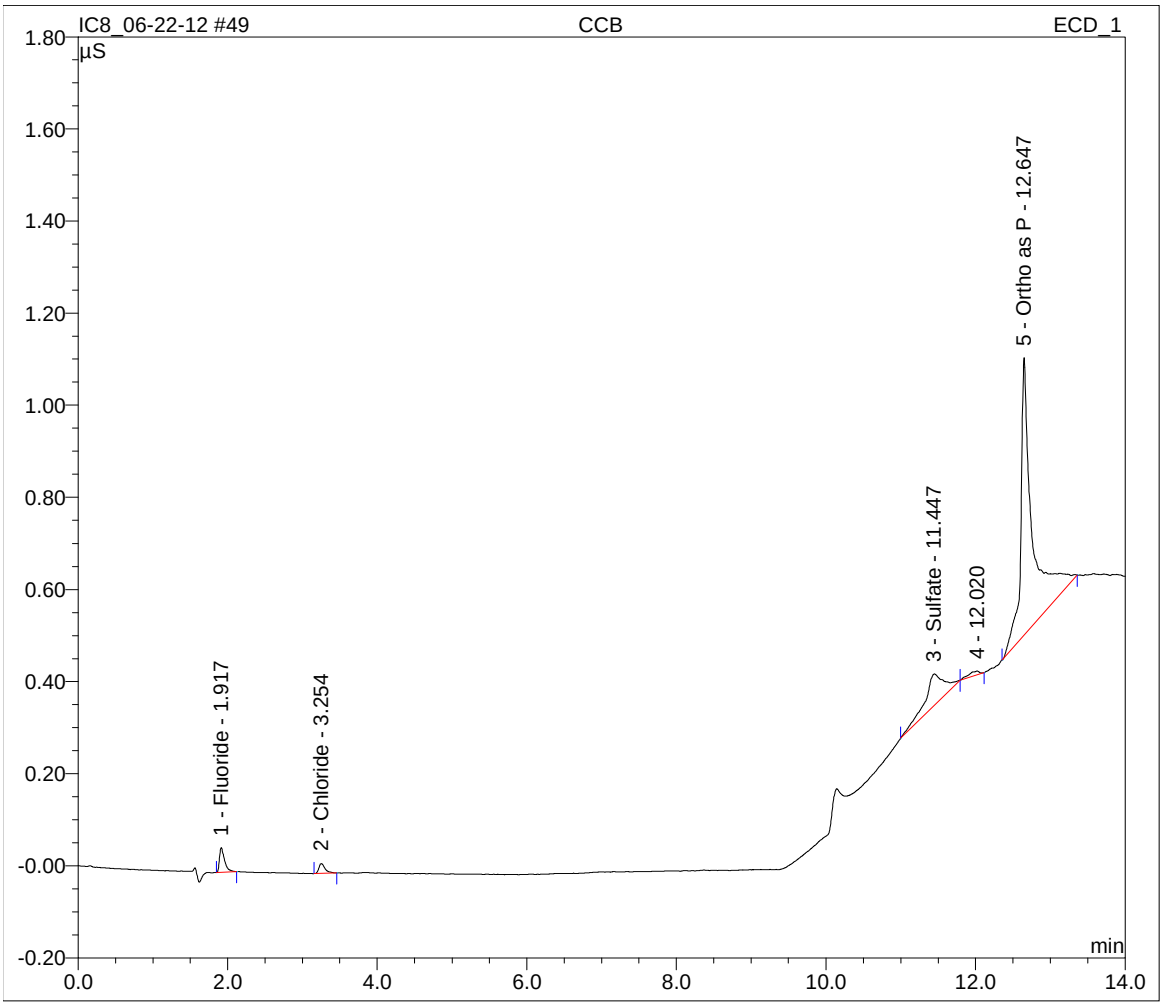
Sample Name:	**CCV**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 20:19**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	1.200	13.815	5.1311
2	3.25	Chloride	BMB	3.448	36.824	25.3298
3	3.79	Nitrite	BMB	1.797	14.669	4.9191
4	6.19	Bromide	BMB	0.289	2.091	5.0423
5	6.79	Nitrate	BMB	1.745	9.361	5.0835
6	11.33	Sulfate	BMb	2.823	28.311	26.2007
8	12.60	Ortho as P	BMB	1.088	11.978	5.1367
		TOTAL:		12.39	117.05	76.84



Sample Name:	**CCB**	*Inj. Vol.:*	**10.0**
Sample Type:	**unknown**	*Dilution Factor:*	**1.0000**
Program:	**7 Anion**	*Operator:*	**n.a.**
Inj. Date/Time:	**22.06.12 20:35**	*Run Time:*	**14.00**

No.	Time min	Peak Name	Type	Area µS*min	Height µS	Amount mg/L
1	1.92	Fluoride	BMB	0.004	0.054	-0.0046
2	3.25	Chloride	BMB	0.002	0.021	0.0802
3	11.45	Sulfate	BMB	0.020	0.069	-0.1079
5	12.65	Ortho as P	BMB	0.109	0.602	-0.0462
TOTAL:				0.14	0.75	-0.08



Wet Chemistry Data Review Checklist
For Tests with Calibration Curves

Test Name/ Method #: TOC **SOP #** DV-WC-0006

Instrument: SHI2 **Analyst:** D.B. **Analysis Date:** 07-16-12

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30456	Aq.		128057	5310B	—
30777					—
30454 7 (R2 07-17-12)					—
30812					—
30334				9060/9060A	Q4
31052					—
30335					Q4
30425					Q4

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Minimum of five standards in ICAL or as specified in method?	✓			
2. Correlation coefficient ≥ 0.995 ?	✓			
3. Second-source ICV analyzed, and recovery within acceptance limits?	✓			
4. ICB analyzed immediately after the ICV & results < the RL	✓			
5. CCV analyzed after every ten samples & recovery within acceptance limits?	✓			
6. CCB analyzed after every CCV & results < RL?	✓			
7. Absolute value of the intercept is < ± ½ the RL?	✓			
B. Sample Results				
1. All samples greater than highest calibration standard diluted and reanalyzed?	✓			
2. Do associated RLs/MDLs reflect dilutions or limited sample volume?	✓			
3. All reported results bracketed by in control CCV results?	✓			
4. Sample analyses done within holding time?	✓			
5. Initial pH check documented for all samples? (If Applicable)	✓			
6. Preparation benchsheet completed and included in package?			✓	
7. Client requirements reviewed and met?	✓			
8. Were data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)			✓	
9. Do the prep and analysis dates in TALS reflect the actual dates?	✓			
11. Raw data copies prepared, scanned, and uploaded?	✓			
12. Manual integrations done properly and initialed and dated?			✓	
13. STD/True Value information is updated and included?	✓			
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank have NCM?	✓			
2. Method blank < ½ RL or NCM provided?	✓			
3. LCS/LCSD run for batch and within QC limits?	✓			
4. MS/MSD run at required frequency and within limits or NCM written?	✓			
5. DUP run at required frequency and RPD within acceptance limits or NCM written?			✓	

Analyst: D.B. **Date:** 07-17-12

2nd Level Reviewer : [signature] **Date:** 7/17/12

	Analysis	Sample Name	Dilution	Result	Date / Time	Vial
1	NPOC	ICV	1.000	NPOC:18.78ppm	07/16/2012 06:02:11 PM	1
2	NPOC	ICB	1.000	NPOC:0.1213ppm	07/16/2012 06:20:34 PM	2
3	NPOC	LCS	1.000	NPOC:23.80ppm	07/16/2012 06:38:56 PM	3
4	NPOC	LCSD	1.000	NPOC:23.93ppm	07/16/2012 06:56:58 PM	4
5	NPOC	MB	1.000	NPOC:0.1213ppm	07/16/2012 07:15:23 PM	5
6	NPOC	280-30456-c-5	40.00	NPOC:1028ppm	07/16/2012 07:33:21 PM	6
7	NPOC	280-30777-c-1	1.000	NPOC:2.167ppm	07/16/2012 07:51:20 PM	7
8	NPOC	MS 280-30777-c-1	1.000	NPOC:26.12ppm	07/16/2012 08:09:24 PM	8
9	NPOC	MSD 280-30777-c-1	1.000	NPOC:26.15ppm	07/16/2012 08:27:30 PM	9
10	NPOC	280-30777-c-2	1.000	NPOC:5.706ppm	07/16/2012 08:44:13 PM	10
11	NPOC	280-30777-c-3	1.000	NPOC:19.32ppm	07/16/2012 09:04:14 PM	11
12	NPOC	280-30777-c-4	1.000	NPOC:9.588ppm	07/16/2012 09:21:42 PM	12
13	NPOC	280-30777-c-5	1.000	NPOC:0.4266ppm	07/16/2012 09:38:27 PM	13
14	NPOC	280-30777-d-6	1.000	NPOC:0.8379ppm	07/16/2012 09:57:34 PM	14
15	NPOC	280-30777-c-7	1.000	NPOC:1.362ppm	07/16/2012 10:13:22 PM	15
16	NPOC	CCV	1.000	NPOC:24.80ppm	07/16/2012 10:31:47 PM	16
17	NPOC	CCB	1.000	NPOC:0.1213ppm	07/16/2012 10:50:02 PM	17
18	NPOC	280-30777-d-8	1.000	NPOC:2.204ppm	07/16/2012 11:06:06 PM	18
19	NPOC	280-30777-c-9	1.000	NPOC:0.4867ppm	07/16/2012 11:23:07 PM	19
20	NPOC	280-30777-d-10	1.000	NPOC:0.9666ppm	07/16/2012 11:38:39 PM	20
21	NPOC	280-30777-c-11	1.000	NPOC:0.8125ppm	07/16/2012 11:57:49 PM	21
22	NPOC	280-30547-b-8	1.000	NPOC:0.4077ppm	07/17/2012 12:15:42 AM	22
23	NPOC	MS 280-30547-b-8	1.000	NPOC:24.16ppm	07/17/2012 12:33:31 AM	23
24	NPOC	MSD 280-30547-b-8	1.000	NPOC:23.96ppm	07/17/2012 12:51:32 AM	24
25	NPOC	280-30547-b-9	1.000	NPOC:0.6938ppm	07/17/2012 01:10:32 AM	25
26	NPOC	280-30547-b-10	1.000	NPOC:0.9008ppm	07/17/2012 01:27:50 AM	26
27	NPOC	280-30547-b-11	1.000	NPOC:0.7407ppm	07/17/2012 01:43:17 AM	27
28	NPOC	CCV	1.000	NPOC:24.37ppm	07/17/2012 02:01:31 AM	28
29	NPOC	CCB	1.000	NPOC:0.1213ppm	07/17/2012 02:20:00 AM	29
30	NPOC	280-30547-b-12	1.000	NPOC:0.5409ppm	07/17/2012 02:36:52 AM	30
31	NPOC	280-30812-b-1	1.000	NPOC:5.682ppm	07/17/2012 02:53:36 AM	31
32	NPOC	LCS	1.000	NPOC:24.55ppm	07/17/2012 03:12:19 AM	32
33	NPOC	LCSD	1.000	NPOC:24.48ppm	07/17/2012 03:33:15 AM	33
34	NPOC	MB	1.000	NPOC:0.1213ppm	07/17/2012 03:51:38 AM	34
35	NPOC	280-30334-d-1	1.000	NPOC:2.030ppm	07/17/2012 04:09:32 AM	35
36	NPOC	MS 280-30334-d-1	1.000	NPOC:25.54ppm	07/17/2012 04:27:25 AM	36
37	NPOC	MSD 280-30334-d-1	1.000	NPOC:25.55ppm	07/17/2012 04:45:34 AM	37
38	NPOC	280-30334-d-2	1.000	NPOC:2.220ppm	07/17/2012 05:05:30 AM	38
39	NPOC	280-30334-d-3	1.000	NPOC:8.118ppm	07/17/2012 05:22:26 AM	39
40	NPOC	CCV	1.000	NPOC:24.79ppm	07/17/2012 05:40:55 AM	40
41	NPOC	CCB	1.000	NPOC:0.1213ppm	07/17/2012 05:59:24 AM	41
42	NPOC	280-30334-d-4	1.000	NPOC:2.332ppm	07/17/2012 06:15:29 AM	42
43	NPOC	280-31052-a-1	1.000	NPOC:1.884ppm	07/17/2012 06:31:21 AM	43
44	NPOC	280-30335-d-1	1.000	NPOC:2.043ppm	07/17/2012 06:47:21 AM	44
45	NPOC	280-30335-d-2	1.000	NPOC:0.4841ppm	07/17/2012 07:04:09 AM	45
46	NPOC	280-30335-d-3	1.000	NPOC:2.770ppm	07/17/2012 07:20:18 AM	46
47	NPOC	280-30335-d-4	1.000	NPOC:2.180ppm	07/17/2012 07:38:24 AM	47
48	NPOC	280-30335-d-5	1.000	NPOC:2.021ppm	07/17/2012 07:56:24 AM	48
49	NPOC	280-30335-d-6	1.000	NPOC:0.3737ppm	07/17/2012 08:12:50 AM	49
50	NPOC	280-30425-d-1	1.000	NPOC:1.905ppm	07/17/2012 08:28:49 AM	50
51	NPOC	280-30425-d-2	1.000	NPOC:2.184ppm	07/17/2012 08:44:52 AM	51
52	NPOC	CCV	1.000	NPOC:24.76ppm	07/17/2012 09:03:15 AM	52
53	NPOC	CCB	1.000	NPOC:0.2092ppm	07/17/2012 09:21:04 AM	53
54	NPOC	280-30425-d-3	1.000	NPOC:1.090ppm	07/17/2012 09:38:24 AM	54
55	NPOC	280-30425-l-4	1.000	NPOC:0.6940ppm	07/17/2012 09:55:31 AM	55
56	NPOC	MS 280-30425-l-4	1.000	NPOC:24.53ppm	07/17/2012 10:13:33 AM	56
57	NPOC	MSD 280-30425-l-4	1.000	NPOC:24.46ppm	07/17/2012 10:31:29 AM	57
58	NPOC	280-30425-d-5	1.000	NPOC:0.7843ppm	07/17/2012 10:48:43 AM	58
59	NPOC	280-30425-d-6	1.000	NPOC:0.6626ppm	07/17/2012 11:07:31 AM	59
60	NPOC	280-30425-d-7	1.000	NPOC:1.358ppm	07/17/2012 11:26:50 AM	60
61	NPOC	280-30425-d-8	1.000	NPOC:0.2465ppm	07/17/2012 11:40:59 AM	61
62	NPOC	CCV	1.000	NPOC:24.72ppm	07/17/2012 11:59:33 AM	62
63	NPOC	CCB	1.000	NPOC:0.1714ppm	07/17/2012 12:18:04 PM	63

Instr.Information

System	TOC-VCSH(2)
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	ICV
Sample ID:	
Origin:	TOC .met
Status	Completed
Chk. Result	

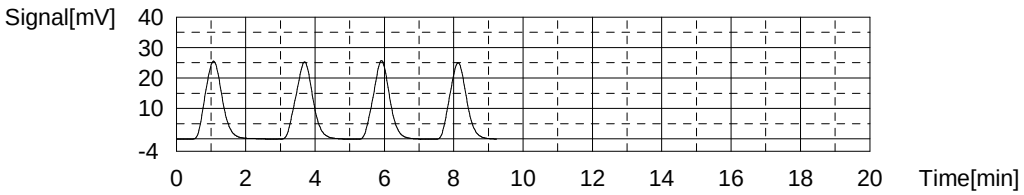
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.78ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.88	18.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 05:54:55 PM
2	86.59	18.93ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 05:57:21 PM
3	85.60	18.71ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 05:59:47 PM
4	84.62	18.50ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:02:11 PM

Mean Area 85.92
Mean Conc. 18.78ppm



Sample

Sample Name:	ICB
Sample ID:	
Origin:	TOC .met
Status	Completed
Chk. Result	

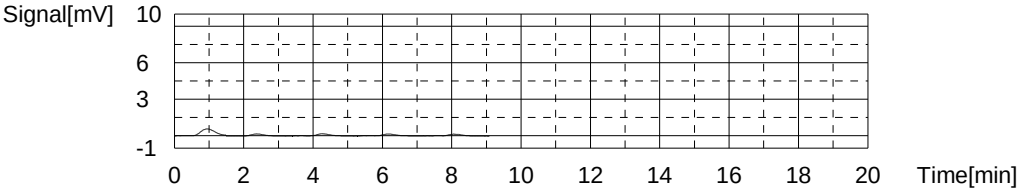
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.409	0.4273ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:12:10 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:14:16 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:16:22 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:18:28 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:20:34 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: LCS
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

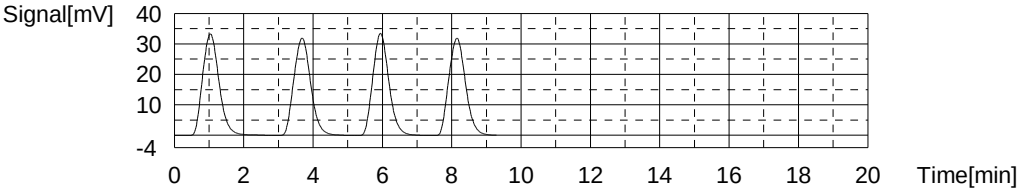
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.80ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	110.6	24.14ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:31:39 PM
2	108.6	23.71ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:34:08 PM
3	108.6	23.71ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:36:32 PM
4	108.2	23.62ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:38:56 PM

Mean Area 109.0
Mean Conc. 23.80ppm



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

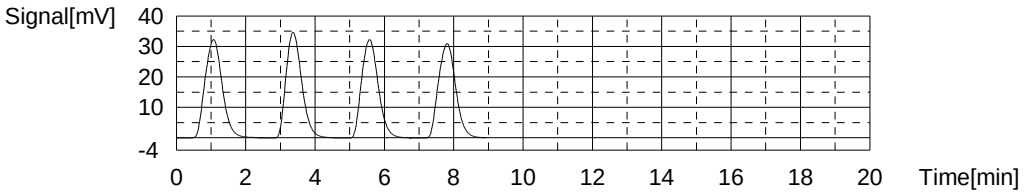
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.93ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.5	24.34ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:49:48 PM
2	110.1	24.03ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:52:10 PM
3	108.8	23.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:54:34 PM
4	108.0	23.58ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 06:56:58 PM

Mean Area 109.6
Mean Conc. 23.93ppm



Sample

Sample Name: MB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

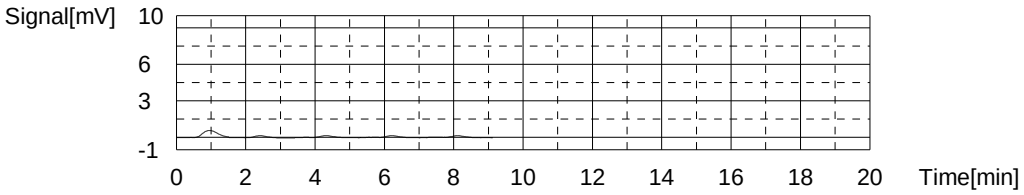
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.578	0.4640ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:06:59 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:09:05 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:11:11 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:13:17 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:15:23 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30456-c-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

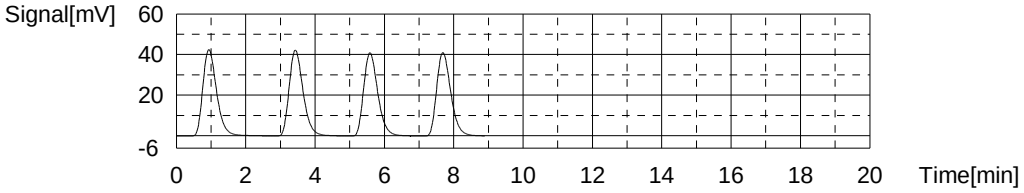
Type	Anal.	Dil.	Result
Unknown	NPOC	40.00	NPOC:1028ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	118.0	1030ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:26:20 PM
2	119.0	1039ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:28:41 PM
3	116.9	1020ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:31:00 PM
4	117.3	1024ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:33:21 PM

Mean Area 117.8
Mean Conc. 1028ppm



Sample

Sample Name: 280-30777-c-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

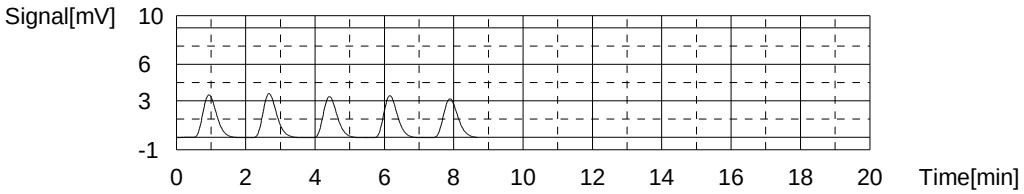
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.167ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.608	2.208ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:43:35 PM
2	9.831	2.257ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:45:31 PM
3	9.387	2.160ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:47:27 PM
4	9.401	2.163ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:49:23 PM
5	9.274	2.136ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 07:51:20 PM

Mean Area 9.418
Mean Conc. 2.167ppm



Sample

Sample Name: MS 280-30777-c-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

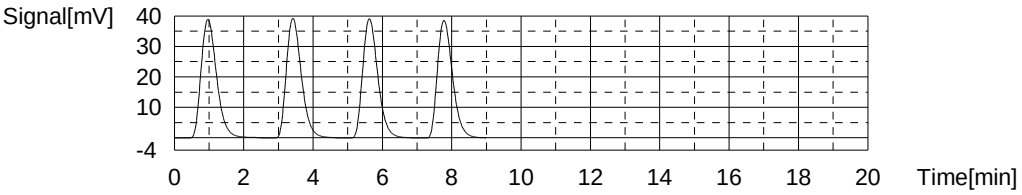
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:26.12ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	121.7	26.55ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:02:17 PM
2	119.2	26.01ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:04:40 PM
3	119.7	26.12ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:07:02 PM
4	118.2	25.79ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:09:24 PM

Mean Area 119.7
Mean Conc. 26.12ppm



Sample

Sample Name: MSD 280-30777-c-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

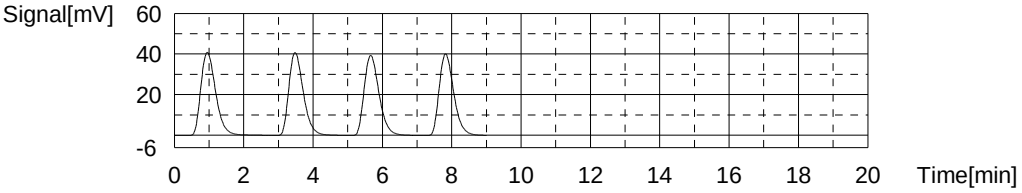
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:26.15ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	122.6	26.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:20:26 PM
2	119.4	26.05ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:22:48 PM
3	119.1	25.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:25:10 PM
4	118.3	25.82ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:27:30 PM

Mean Area 119.9
Mean Conc. 26.15ppm



Sample

Sample Name: 280-30777-c-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

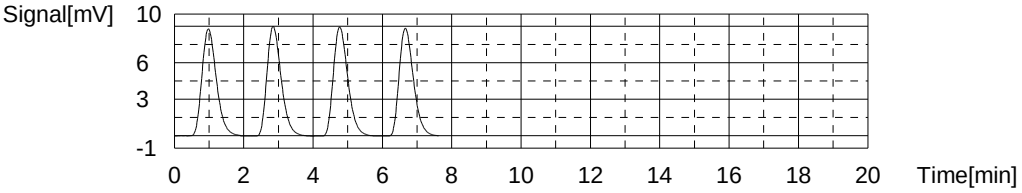
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.706ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	25.39	5.636ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:37:54 PM
2	25.82	5.729ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:40:00 PM
3	26.14	5.799ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:42:07 PM
4	25.50	5.660ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:44:13 PM

Mean Area 25.71
Mean Conc. 5.706ppm



Sample

Sample Name: 280-30777-c-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

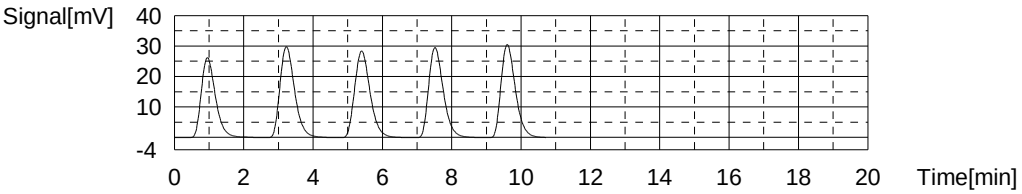
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.32ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	74.87	16.38ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:54:59 PM
2	88.16	19.27ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:57:18 PM
3	88.69	19.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 08:59:40 PM
4	87.67	19.16ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:01:58 PM
5	89.07	19.47ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:04:14 PM

Mean Area 88.40
Mean Conc. 19.32ppm



Sample

Sample Name: 280-30777-c-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

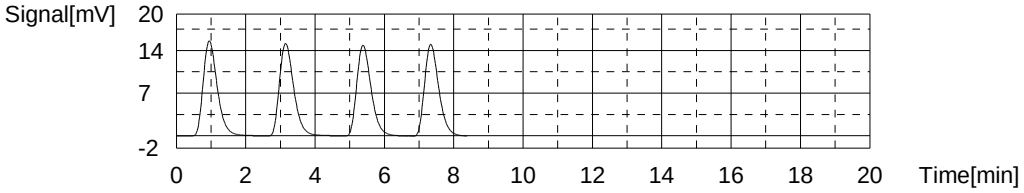
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:9.588ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	44.17	9.715ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:14:55 PM
2	43.76	9.626ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:17:20 PM
3	43.01	9.463ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:19:30 PM
4	43.40	9.547ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:21:42 PM

Mean Area 43.59
Mean Conc. 9.588ppm



Sample

Sample Name: 280-30777-c-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

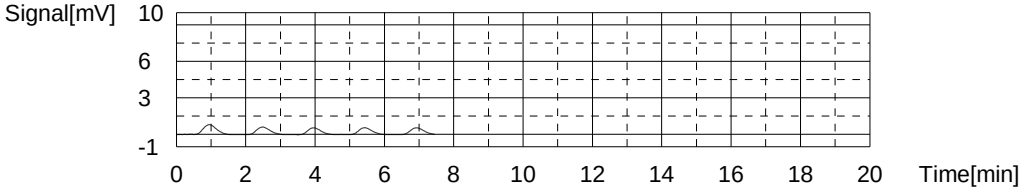
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4266ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.084	0.5739ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:31:45 PM
2	1.514	0.4501ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:33:26 PM
3	1.381	0.4212ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:35:06 PM
4	1.399	0.4251ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:36:47 PM
5	1.328	0.4097ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:38:27 PM

Mean Area 1.406
Mean Conc. 0.4266ppm



Sample

Sample Name: 280-30777-d-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

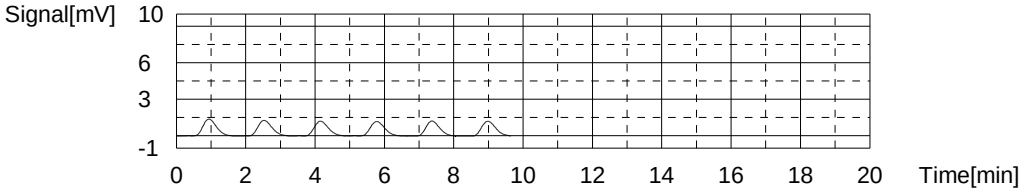
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8379ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.601	0.9034ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:48:31 PM
2	3.544	0.8910ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:50:20 PM
3	3.322	0.8428ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:52:09 PM
4	3.241	0.8252ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:53:58 PM
5	3.298	0.8376ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:55:46 PM
6	3.337	0.8461ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 09:57:34 PM

Mean Area 3.300
Mean Conc. 0.8379ppm



Sample

Sample Name: 280-30777-c-7
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

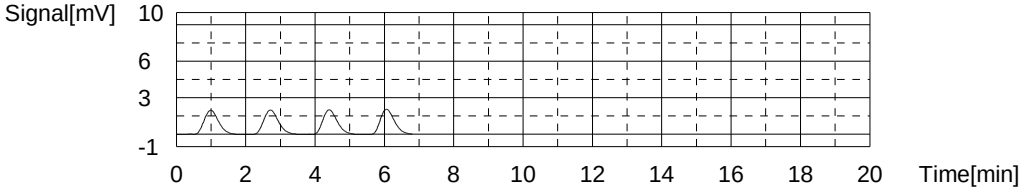
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.362ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.630	1.344ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:07:41 PM
2	5.801	1.381ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:09:37 PM
3	5.672	1.353ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:11:29 PM
4	5.753	1.371ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:13:22 PM

Mean Area 5.714
Mean Conc. 1.362ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

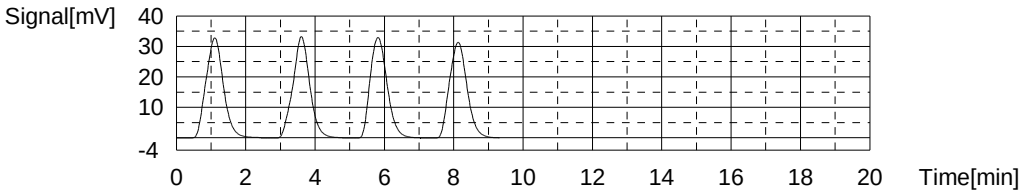
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.80ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	115.4	25.19ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:24:18 PM
2	113.7	24.82ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:26:51 PM
3	113.4	24.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:29:18 PM
4	112.0	24.45ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:31:47 PM

Mean Area 113.6
Mean Conc. 24.80ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

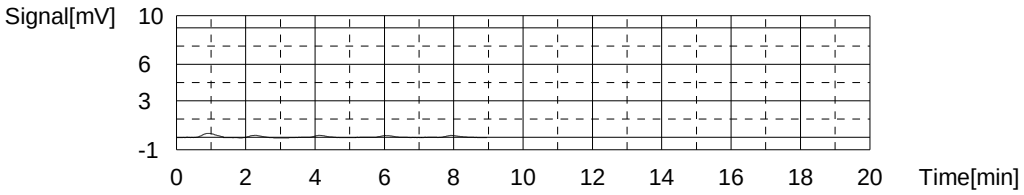
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6884	0.2708ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:41:38 PM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:43:44 PM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:45:50 PM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:47:56 PM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 10:50:02 PM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30777-d-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

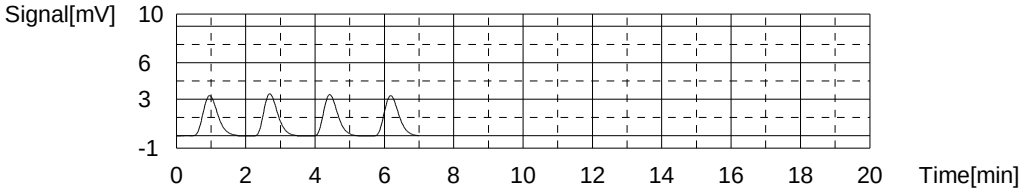
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.204ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.545	2.194ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:00:17 PM
2	9.641	2.215ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:02:12 PM
3	9.563	2.198ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:04:09 PM
4	9.600	2.206ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:06:06 PM

Mean Area 9.587
Mean Conc. 2.204ppm



Sample

Sample Name: 280-30777-c-9
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

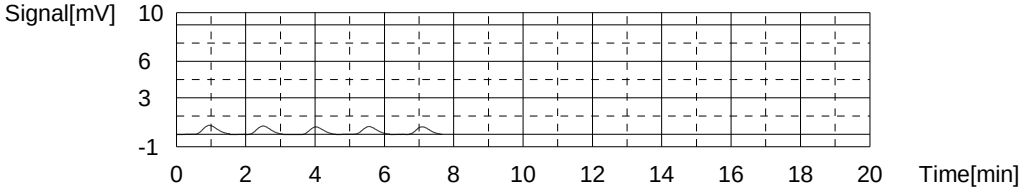
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4867ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.924	0.5392ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:16:08 PM
2	1.824	0.5175ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:17:53 PM
3	1.619	0.4729ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:19:36 PM
4	1.668	0.4836ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:21:24 PM
5	1.619	0.4729ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:23:07 PM

Mean Area 1.683
Mean Conc. 0.4867ppm



Sample

Sample Name: 280-30777-d-10
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

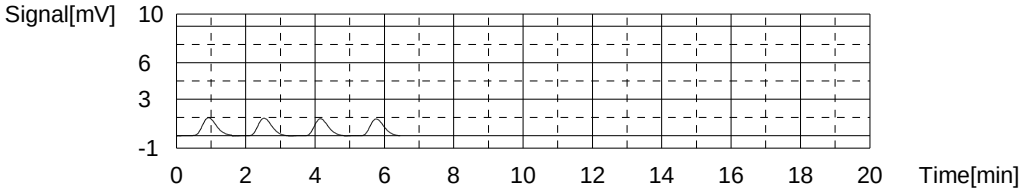
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9666ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.966	0.9827ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:33:12 PM
2	3.965	0.9825ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:35:01 PM
3	3.823	0.9516ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:36:50 PM
4	3.813	0.9494ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:38:39 PM

Mean Area 3.892
Mean Conc. 0.9666ppm



Sample

Sample Name: 280-30777-c-11
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

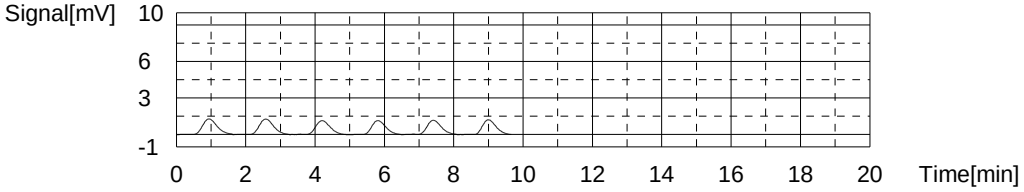
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8125ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.507	0.8830ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:48:46 PM
2	3.508	0.8832ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:50:36 PM
3	3.195	0.8152ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:52:26 PM
4	3.146	0.8046ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:54:13 PM
5	3.184	0.8128ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:56:02 PM
6	3.205	0.8174ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/16/2012 11:57:49 PM

Mean Area 3.183
Mean Conc. 0.8125ppm



Sample

Sample Name: 280-30547-b-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

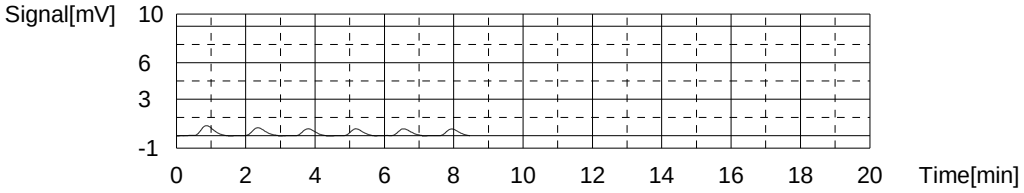
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4077ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.986	0.5526ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:07:42 AM
2	1.594	0.4675ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:09:22 AM
3	1.353	0.4152ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:10:57 AM
4	1.339	0.4121ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:12:32 AM
5	1.310	0.4058ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:14:07 AM
6	1.272	0.3976ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:15:42 AM

Mean Area 1.319
Mean Conc. 0.4077ppm



Sample

Sample Name: MS 280-30547-b-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

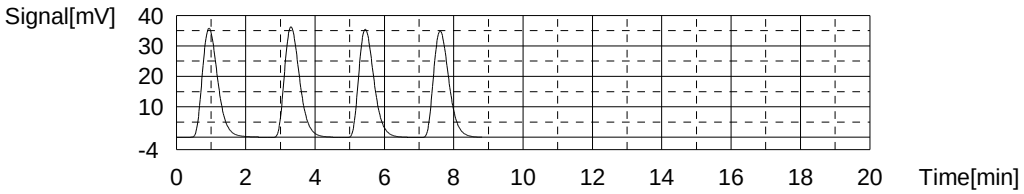
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.16ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.7	24.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:26:28 AM
2	111.8	24.40ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:28:49 AM
3	109.9	23.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:31:10 AM
4	109.3	23.86ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:33:31 AM

Mean Area 110.7
Mean Conc. 24.16ppm



Sample

Sample Name: MSD 280-30547-b-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

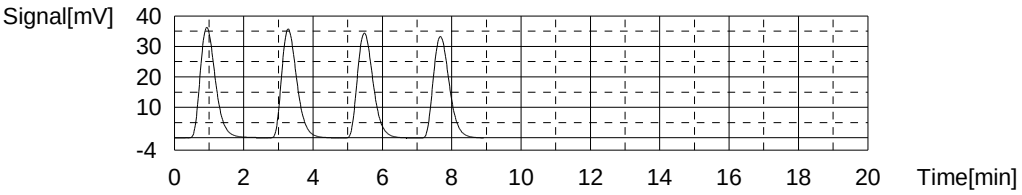
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:23.96ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	111.6	24.36ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:44:22 AM
2	109.7	23.95ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:46:44 AM
3	109.9	23.99ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:49:07 AM
4	107.9	23.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:51:32 AM

Mean Area 109.8
Mean Conc. 23.96ppm



Sample

Sample Name: 280-30547-b-9
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

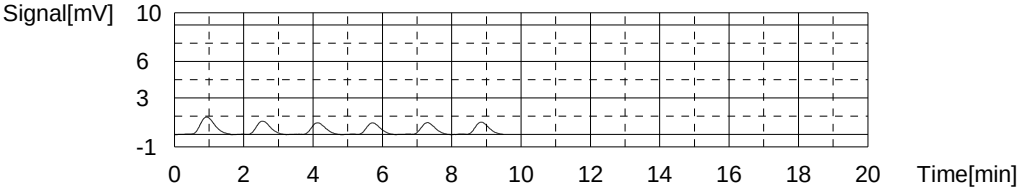
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6938ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.924	0.9736ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:01:39 AM
2	2.986	0.7698ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:03:26 AM
3	2.653	0.6975ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:05:13 AM
4	2.621	0.6906ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:07:00 AM
5	2.613	0.6888ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:08:46 AM
6	2.657	0.6984ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:10:32 AM

Mean Area 2.636
Mean Conc. 0.6938ppm



Sample

Sample Name: 280-30547-b-10
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

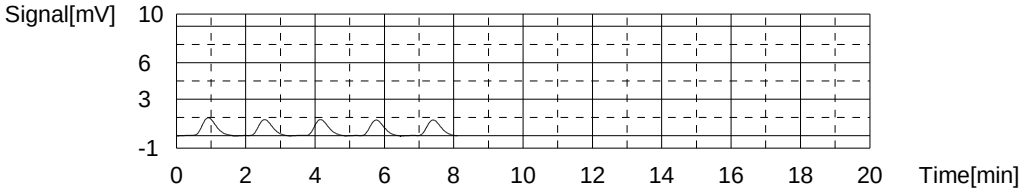
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9008ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.911	0.9707ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:20:33 AM
2	3.619	0.9073ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:22:22 AM
3	3.582	0.8993ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:24:10 AM
4	3.585	0.8999ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:26:00 AM
5	3.570	0.8967ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:27:50 AM

Mean Area 3.589
Mean Conc. 0.9008ppm



Sample

Sample Name: 280-30547-b-11
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

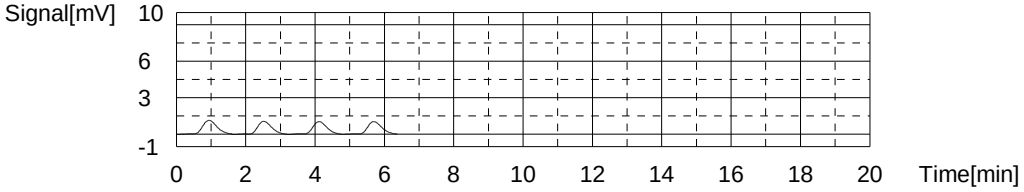
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7407ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.989	0.7705ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:37:55 AM
2	2.808	0.7312ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:39:42 AM
3	2.787	0.7266ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:41:29 AM
4	2.824	0.7346ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:43:17 AM

Mean Area 2.852
Mean Conc. 0.7407ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

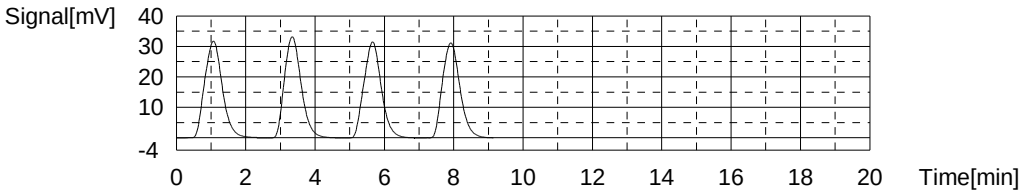
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.37ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.6	24.58ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:54:06 AM
2	112.6	24.58ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:56:33 AM
3	110.8	24.19ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 01:59:03 AM
4	110.5	24.12ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:01:31 AM

Mean Area 111.6
Mean Conc. 24.37ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

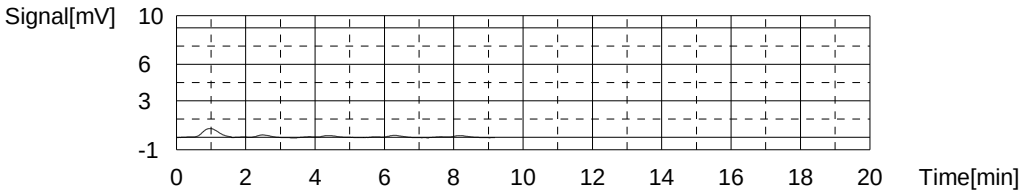
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.044	0.5652ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:11:36 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:13:42 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:15:48 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:17:54 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:20:00 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30547-b-12
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

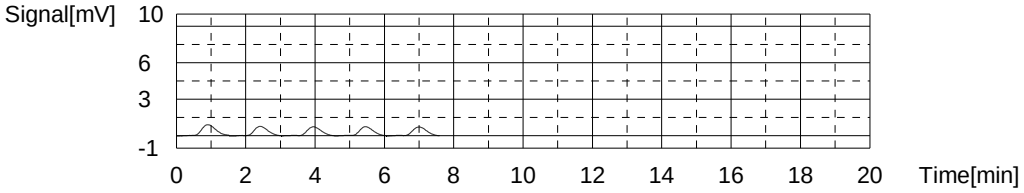
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5409ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.313	0.6237ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:30:00 AM
2	2.017	0.5594ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:31:43 AM
3	1.933	0.5411ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:33:26 AM
4	1.878	0.5292ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:35:09 AM
5	1.900	0.5340ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:36:52 AM

Mean Area 1.932
Mean Conc. 0.5409ppm



Sample

Sample Name: 280-30812-b-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

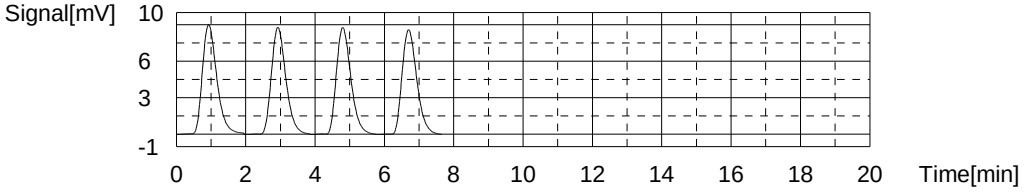
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.682ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	25.81	5.727ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:47:18 AM
2	25.62	5.686ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:49:24 AM
3	25.57	5.675ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:51:30 AM
4	25.42	5.642ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 02:53:36 AM

Mean Area 25.61
Mean Conc. 5.682ppm



Sample

Sample Name: LCS
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

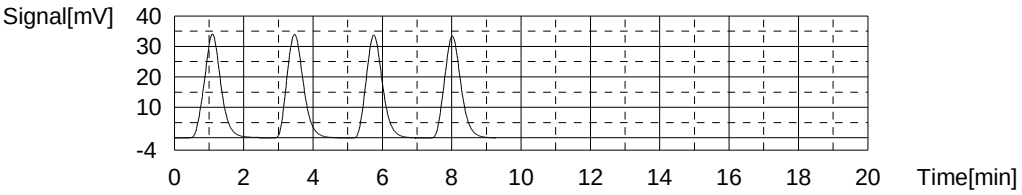
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.55ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.6	24.79ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:04:54 AM
2	112.8	24.62ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:07:21 AM
3	111.8	24.40ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:09:48 AM
4	111.7	24.38ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:12:19 AM

Mean Area 112.5
Mean Conc. 24.55ppm



Sample

Sample Name: LCSD
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

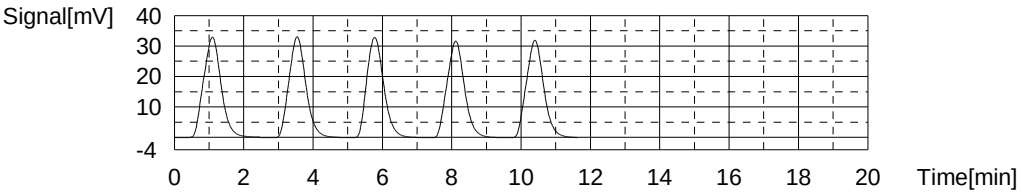
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.48ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	116.6	25.45ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:23:18 AM
2	113.2	24.71ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:25:47 AM
3	112.3	24.51ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:28:15 AM
4	111.2	24.27ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:30:44 AM
5	112.0	24.45ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:33:15 AM

Mean Area 112.2
Mean Conc. 24.48ppm



Sample

Sample Name: MB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

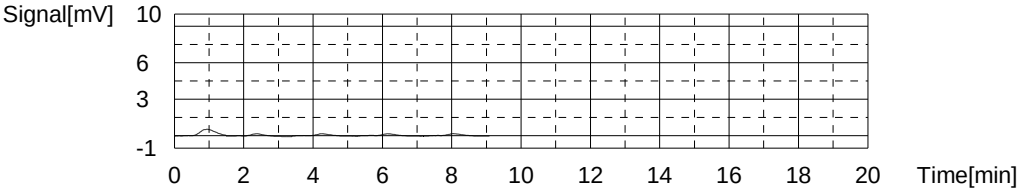
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.405	0.4265ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:43:14 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:45:20 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:47:26 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:49:32 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 03:51:38 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30334-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

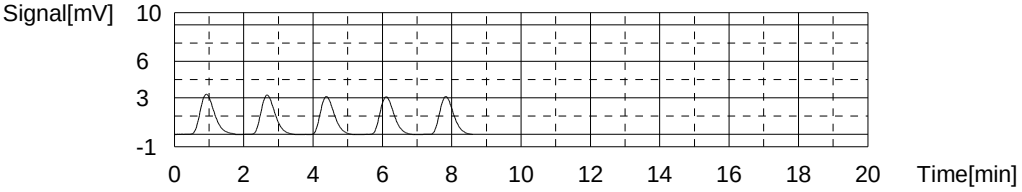
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.030ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.234	2.127ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:01:53 AM
2	9.022	2.081ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:03:48 AM
3	8.701	2.011ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:05:43 AM
4	8.705	2.012ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:07:38 AM
5	8.730	2.017ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:09:32 AM

Mean Area 8.790
Mean Conc. 2.030ppm



Sample

Sample Name: MS 280-30334-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

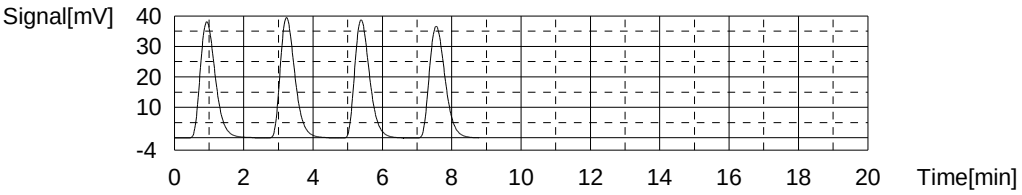
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.54ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	116.6	25.45ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:20:21 AM
2	117.2	25.58ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:22:41 AM
3	117.0	25.53ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:25:02 AM
4	117.3	25.60ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:27:25 AM

Mean Area 117.0
Mean Conc. 25.54ppm



Sample

Sample Name: MSD 280-30334-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

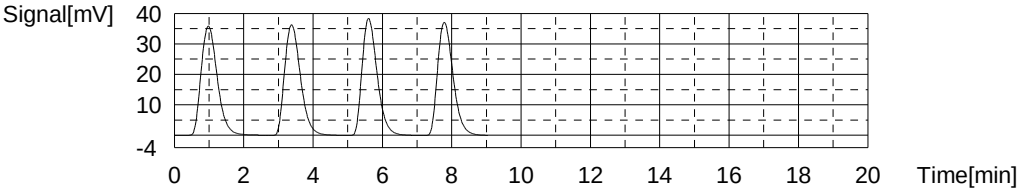
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.55ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	117.1	25.55ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:38:21 AM
2	116.9	25.51ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:40:48 AM
3	117.5	25.64ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:43:10 AM
4	116.9	25.51ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:45:34 AM

Mean Area 117.1
Mean Conc. 25.55ppm



Sample

Sample Name: 280-30334-d-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

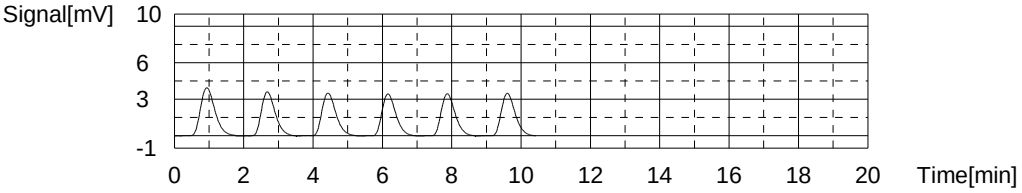
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.220ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.24	2.563ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:55:51 AM
2	10.00	2.293ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:57:48 AM
3	9.777	2.245ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 04:59:44 AM
4	9.497	2.184ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:01:38 AM
5	9.687	2.225ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:03:34 AM
6	9.699	2.228ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:05:30 AM

Mean Area 9.665
Mean Conc. 2.220ppm



Sample

Sample Name: 280-30334-d-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

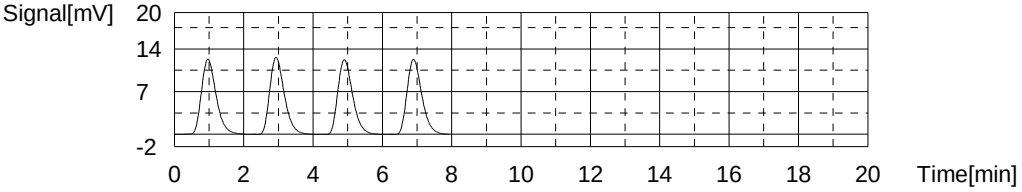
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.118ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.33	8.012ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:15:54 AM
2	37.30	8.223ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:18:04 AM
3	36.78	8.110ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:20:15 AM
4	36.87	8.129ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:22:26 AM

Mean Area 36.82
Mean Conc. 8.118ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

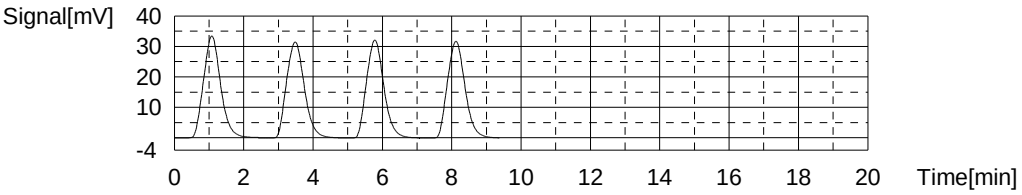
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.79ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	115.6	25.23ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:33:22 AM
2	113.4	24.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:35:52 AM
3	112.9	24.64ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:38:24 AM
4	112.5	24.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:40:55 AM

Mean Area 113.6
Mean Conc. 24.79ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

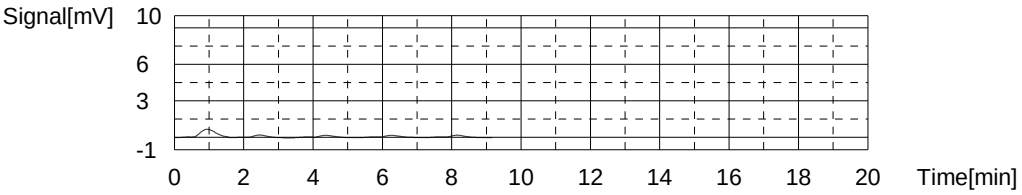
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1213ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.867	0.5268ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:51:00 AM
2	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:53:06 AM
3	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:55:12 AM
4	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:57:18 AM
5	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 05:59:24 AM

Mean Area 0.000
Mean Conc. 0.1213ppm



Sample

Sample Name: 280-30334-d-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

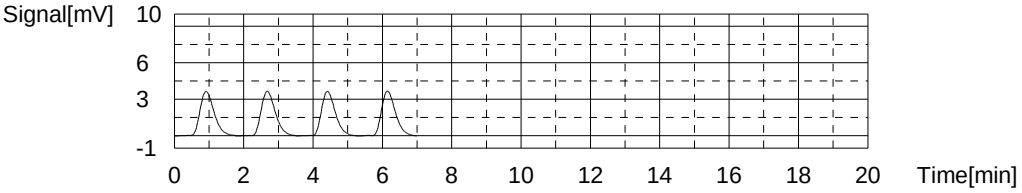
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.332ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.09	2.313ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:09:39 AM
2	10.32	2.363ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:11:36 AM
3	10.08	2.311ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:13:32 AM
4	10.23	2.343ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:15:29 AM

Mean Area 10.18
Mean Conc. 2.332ppm



Sample

Sample Name: 280-31052-a-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

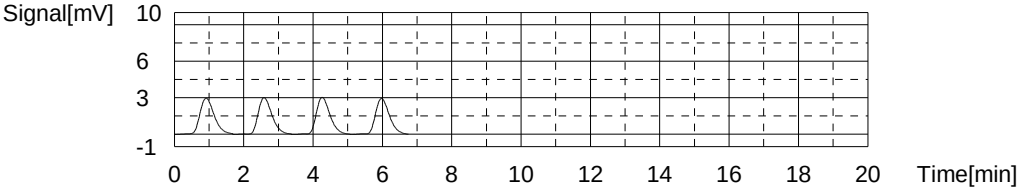
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.884ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.124	1.886ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:25:41 AM
2	8.165	1.895ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:27:34 AM
3	8.146	1.891ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:29:28 AM
4	8.026	1.864ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:31:21 AM

Mean Area 8.115
Mean Conc. 1.884ppm



Sample

Sample Name: 280-30335-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

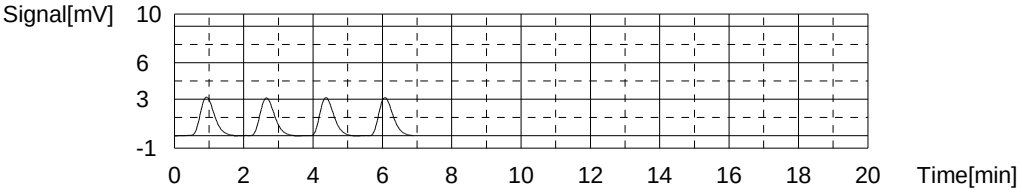
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.043ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.815	2.036ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:41:35 AM
2	8.910	2.056ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:43:31 AM
3	8.784	2.029ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:45:25 AM
4	8.875	2.049ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:47:21 AM

Mean Area 8.846
Mean Conc. 2.043ppm



Sample

Sample Name: 280-30335-d-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

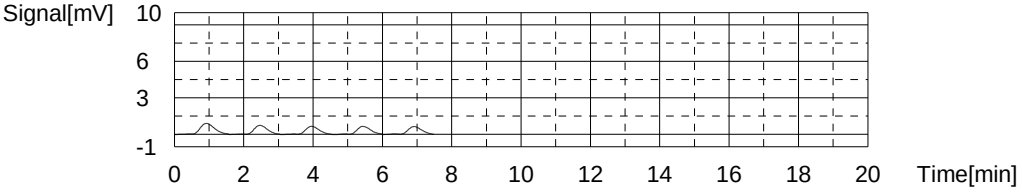
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4841ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.364	0.6347ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:57:26 AM
2	1.812	0.5148ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 06:59:07 AM
3	1.641	0.4777ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:00:48 AM
4	1.606	0.4701ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:02:28 AM
5	1.623	0.4738ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:04:09 AM

Mean Area 1.671
Mean Conc. 0.4841ppm



Sample

Sample Name: 280-30335-d-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

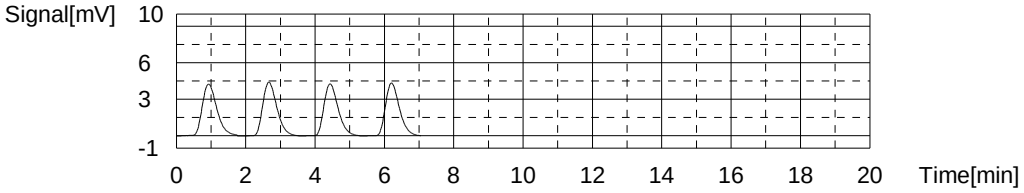
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.770ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.08	2.745ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:14:24 AM
2	12.50	2.836ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:16:22 AM
3	12.12	2.754ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:18:20 AM
4	12.09	2.747ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:20:18 AM

Mean Area 12.20
Mean Conc. 2.770ppm



Sample

Sample Name: 280-30335-d-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

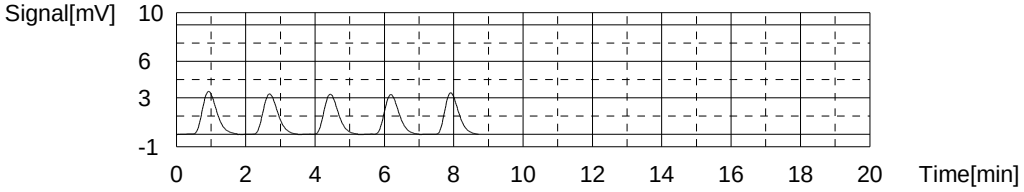
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.180ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.957	2.284ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:30:34 AM
2	9.665	2.220ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:32:31 AM
3	9.392	2.161ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:34:27 AM
4	9.410	2.165ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:36:25 AM
5	9.440	2.172ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:38:24 AM

Mean Area 9.477
Mean Conc. 2.180ppm



Sample

Sample Name: 280-30335-d-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

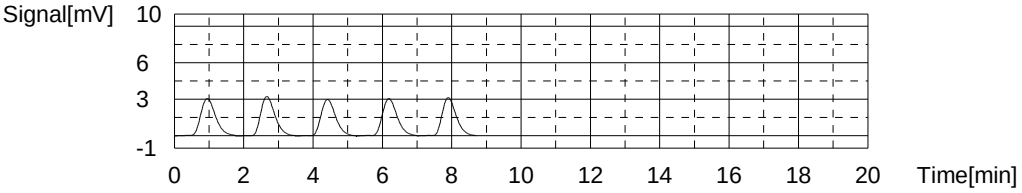
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.021ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.768	2.026ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:48:39 AM
2	9.032	2.083ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:50:34 AM
3	8.612	1.992ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:52:32 AM
4	8.888	2.052ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:54:29 AM
5	8.726	2.017ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 07:56:24 AM

Mean Area 8.748
Mean Conc. 2.021ppm



Sample

Sample Name: 280-30335-d-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

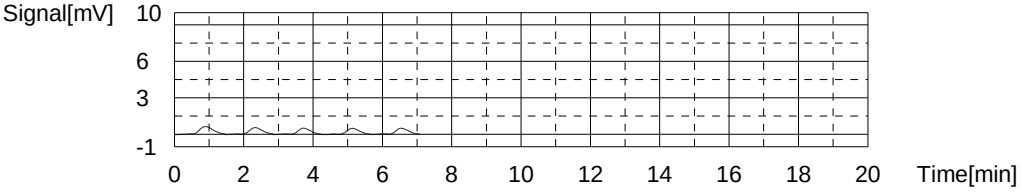
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3737ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.510	0.4493ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:06:22 AM
2	1.260	0.3950ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:07:58 AM
3	1.153	0.3717ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:09:34 AM
4	1.125	0.3656ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:11:12 AM
5	1.111	0.3626ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:12:50 AM

Mean Area 1.162
Mean Conc. 0.3737ppm



Sample

Sample Name: 280-30425-d-1
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

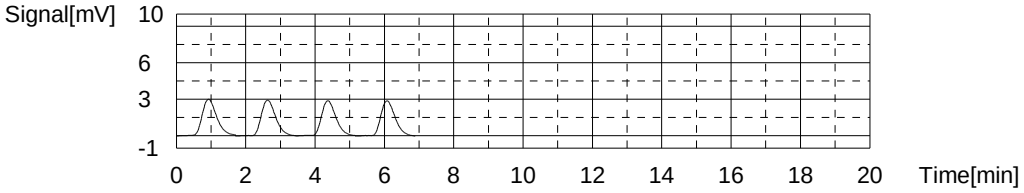
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.905ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.293	1.922ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:23:02 AM
2	8.362	1.937ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:24:58 AM
3	8.051	1.870ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:26:53 AM
4	8.150	1.891ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:28:49 AM

Mean Area 8.214
Mean Conc. 1.905ppm



Sample

Sample Name: 280-30425-d-2
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

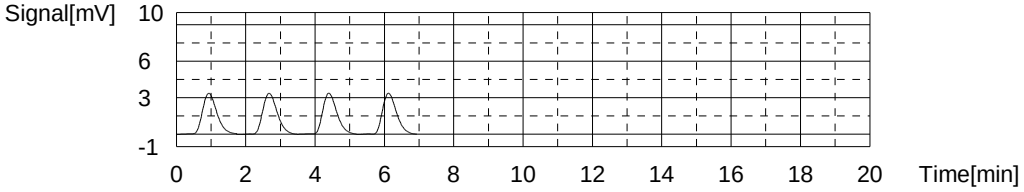
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.184ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.395	2.162ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:39:04 AM
2	9.695	2.227ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:41:01 AM
3	9.421	2.167ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:42:56 AM
4	9.480	2.180ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:44:52 AM

Mean Area 9.498
Mean Conc. 2.184ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

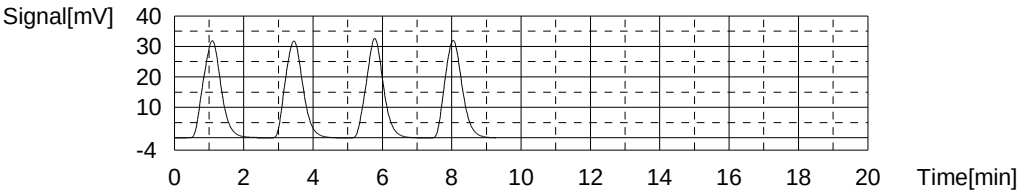
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.76ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	114.6	25.01ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:55:46 AM
2	113.6	24.79ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 08:58:15 AM
3	113.4	24.75ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:00:46 AM
4	112.2	24.49ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:03:15 AM

Mean Area 113.5
Mean Conc. 24.76ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

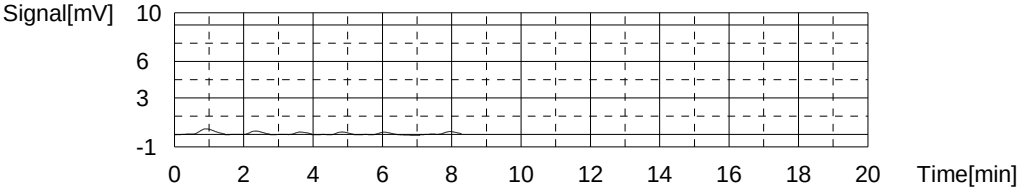
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2092ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.116	0.3637ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:13:14 AM
2	0.5856	0.2485ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:14:44 AM
3	0.2859	0.1834ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:16:08 AM
4	0.3746	0.2027ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:17:33 AM
5	0.000	0.1213ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:19:39 AM
6	0.3720	0.2021ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:21:04 AM

Mean Area 0.4045
Mean Conc. 0.2092ppm



Sample

Sample Name: 280-30425-d-3
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

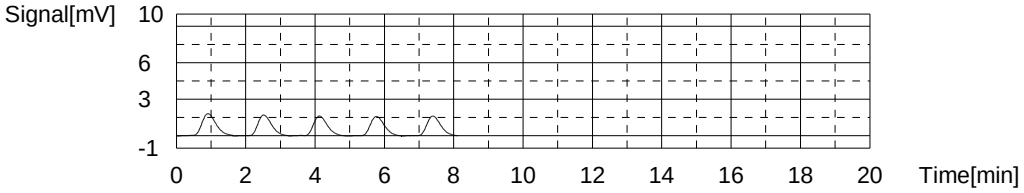
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.090ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.846	1.174ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:31:06 AM
2	4.580	1.116ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:32:54 AM
3	4.430	1.083ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:34:44 AM
4	4.440	1.086ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:36:34 AM
5	4.393	1.075ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:38:24 AM

Mean Area 4.461
Mean Conc. 1.090ppm



Sample

Sample Name: 280-30425-I-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

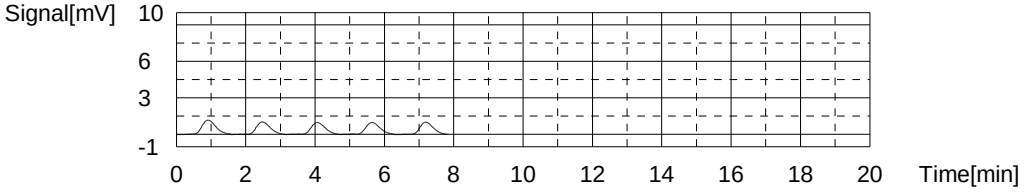
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6940ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.011	0.7753ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:48:28 AM
2	2.685	0.7045ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:50:14 AM
3	2.667	0.7005ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:52:01 AM
4	2.620	0.6903ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:53:47 AM
5	2.576	0.6808ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 09:55:31 AM

Mean Area 2.637
Mean Conc. 0.6940ppm



Sample

Sample Name: MS 280-30425-I-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

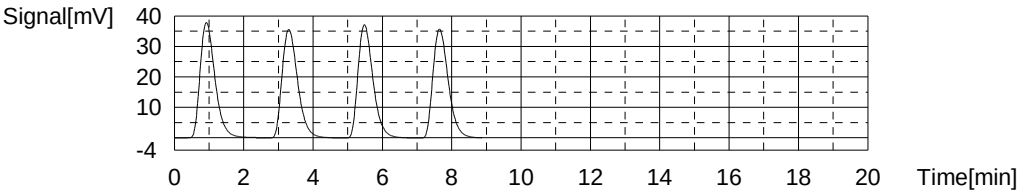
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.53ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.8	24.84ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:06:23 AM
2	112.1	24.47ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:08:47 AM
3	112.5	24.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:11:08 AM
4	111.1	24.25ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:13:33 AM

Mean Area 112.4
Mean Conc. 24.53ppm



Sample

Sample Name: MSD 280-30425-I-4
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

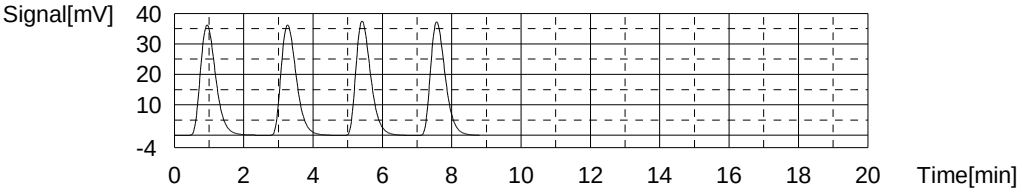
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.46ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.5	24.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:24:25 AM
2	112.1	24.47ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:26:47 AM
3	112.5	24.56ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:29:08 AM
4	111.1	24.25ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:31:29 AM

Mean Area 112.1
Mean Conc. 24.46ppm



Sample

Sample Name: 280-30425-d-5
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

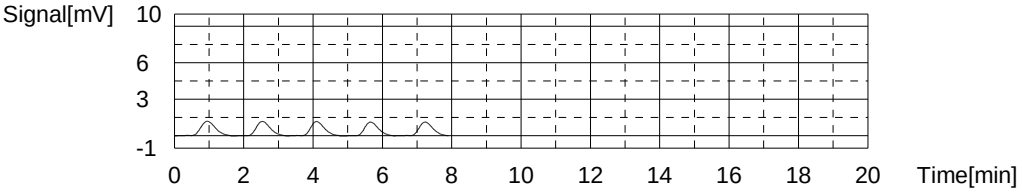
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7843ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.303	0.8387ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:41:38 AM
2	3.184	0.8128ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:43:25 AM
3	3.033	0.7800ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:45:10 AM
4	2.995	0.7718ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:46:56 AM
5	2.998	0.7724ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:48:43 AM

Mean Area 3.053
Mean Conc. 0.7843ppm



Sample

Sample Name: 280-30425-d-6
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

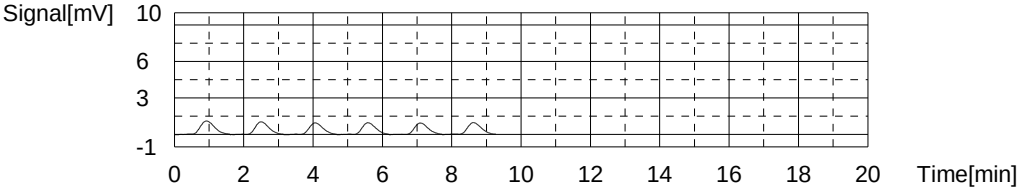
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6626ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.958	0.7638ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 10:58:50 AM
2	2.715	0.7110ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:00:35 AM
3	2.473	0.6584ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:02:19 AM
4	2.518	0.6682ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:04:01 AM
5	2.455	0.6545ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:05:45 AM
6	2.523	0.6693ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:07:31 AM

Mean Area 2.492
Mean Conc. 0.6626ppm



Sample

Sample Name: 280-30425-d-7
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

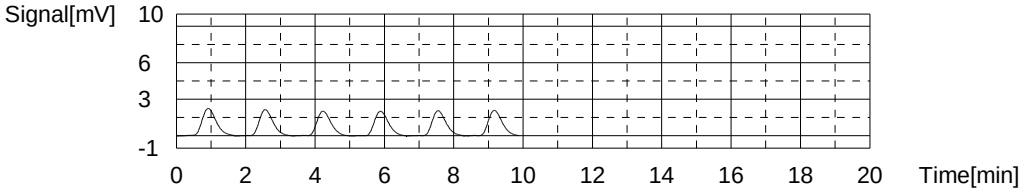
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.358ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.036	1.432ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:17:36 AM
2	5.787	1.378ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:19:28 AM
3	5.571	1.331ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:21:19 AM
4	5.703	1.360ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:23:11 AM
5	5.528	1.322ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:25:00 AM
6	5.723	1.364ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:26:50 AM

Mean Area 5.696
Mean Conc. 1.358ppm



Sample

Sample Name: 280-30425-d-8
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

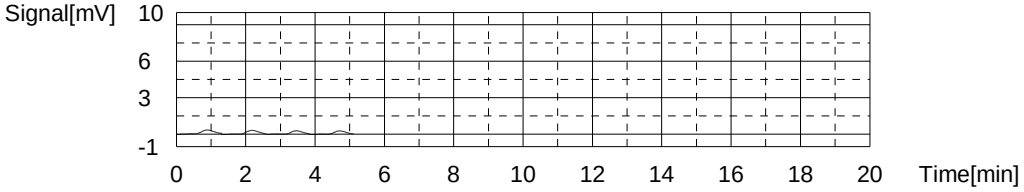
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2465ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6279	0.2577ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:36:34 AM
2	0.6425	0.2608ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:38:03 AM
3	0.5043	0.2308ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:39:30 AM
4	0.5317	0.2368ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:40:59 AM

Mean Area 0.5766
Mean Conc. 0.2465ppm



Sample

Sample Name: CCV
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

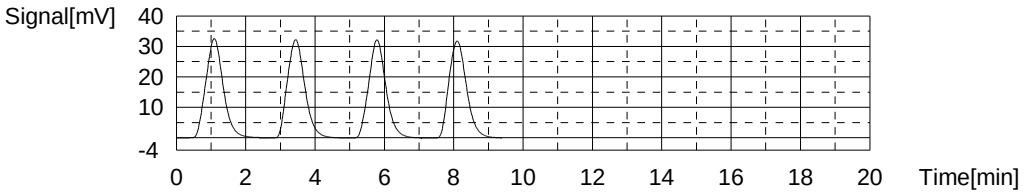
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.72ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	114.3	24.95ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:51:57 AM
2	113.6	24.79ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:54:27 AM
3	112.1	24.47ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:57:01 AM
4	113.1	24.69ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 11:59:33 AM

Mean Area 113.3
Mean Conc. 24.72ppm



Sample

Sample Name: CCB
Sample ID:
Origin: TOC .met
Status Completed
Chk. Result

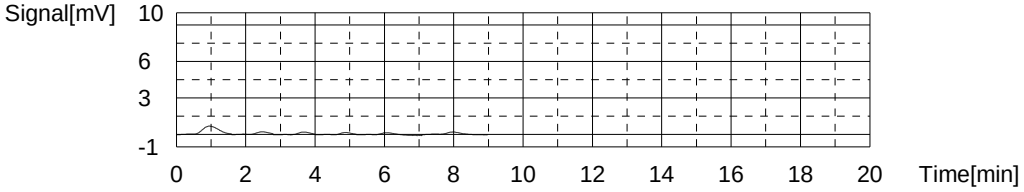
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1714ppm

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.893	0.5324ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:09:40 PM
2	0.2890	0.1841ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:11:04 PM
3	0.3574	0.1989ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:12:29 PM
4	0.2757	0.1812ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:13:52 PM
5	0.000	0.1213ppm	50uL	1	E	1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:15:58 PM
6	0.000	0.1213ppm	50uL	1		1-50 PPM TOC.2012_07_12_09_13_34.cal	07/17/2012 12:18:04 PM

Mean Area 0.2305
Mean Conc. 0.1714ppm



TOC-V Cal Curve Information
1-50 PPM TOC.2012_07_12_09_13_34.cal

Date of Creation	11:15:53 AM 10/28/2005
User	DEANN
System	TOC-VCSH

Cal. Curve

Sample Name:	cal
Sample ID:	CAL
Cal. Curve:	1-50 PPM TOC.2012_07_12_09_13_34.cal
Status	Completed
Comment:	

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.000	50uL	1	*******		07/12/2012 09:21:59 A
2	0.000	50uL	1	*******		07/12/2012 09:24:05 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	0.000
SD Area	0.000
CV Area	0.00%
Vial	88

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.830	50uL	1	*******		07/12/2012 09:34:28 A
2	4.828	50uL	1	*******		07/12/2012 09:36:29 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	4.829
SD Area	0.00141
CV Area	0.03%
Vial	89

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	22.31	50uL	1	*******		07/12/2012 09:47:06 A
2	22.13	50uL	1	*******		07/12/2012 09:49:19 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	22.22
SD Area	0.1273
CV Area	0.57%
Vial	90

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	44.87	50uL	1	*******		07/12/2012 10:00:03 A
2	44.70	50uL	1	*******		07/12/2012 10:02:24 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	44.79
SD Area	0.1202
CV Area	0.27%
Vial	91

Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	113.2	50uL	1	*******		07/12/2012 10:13:22 A
2	113.7	50uL	1	*******		07/12/2012 10:15:53 A

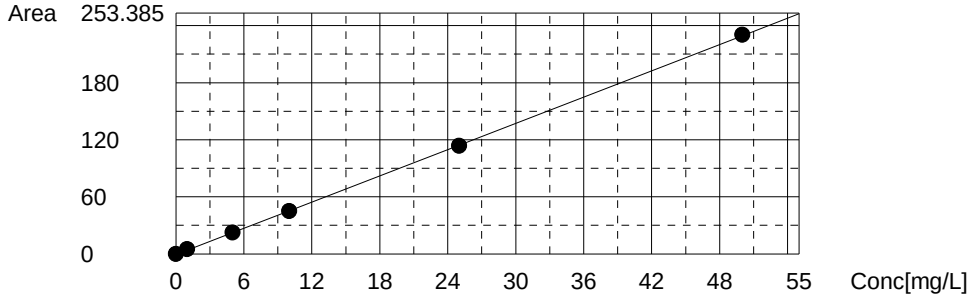
Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	113.5
SD Area	0.3536
CV Area	0.31%
Vial	92

Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	230.7	50uL	1	*******		07/12/2012 10:27:09 A
2	230.0	50uL	1	*******		07/12/2012 10:29:49 A

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	230.4
SD Area	0.4950
CV Area	0.21%
Vial	93

Slope:	4.604
Intercept	-0.5585
r^2	0.9999
r	1.0000
Zero Shift	No



Wet Chemistry Data Review Checklist
Direct Measurement Methods (pH, Conductance, etc.)

Test Name/Method #: Alkalinity **Analysis Date** ~~B. Hoyt~~ 06-23-12 D.b. 06-26-12

SOP #: AV-WL-0025 **Analyst:** ~~B. Hoyt~~ **Instrument:** AT3

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
30194-8, 30333, 30336	W	NA	125394	2320B	
30228, 30230, 30235,	"	"	"	"	
30334, 30273,					

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Was the instrument properly standardized?	✓			✓
2. Second-source ICV analyzed immediately after instrument standardization & recovery ± 10% of true value?	✓ D.b. 06-26-12		✓	✓
3. ICB analyzed immediately after ICV & results < the RL?	✓ D.b. 06-26-12		✓	✓
4. CCV analyzed after every ten samples & recovery ± 10% of true value?	✓			✓
5. CCB analyzed after every CCV & all results < the RL?	✓			✓
B. Sample Results				
1. pH sample and duplicate within ± 0.1 units?	✓			✓
1. Are all sample dilutions appropriate and do associated RLs reflect required dilutions or limited sample volumes?	✓			✓
2. All reported results bracketed by in control CCV results?	✓			✓
3. Sample analyses done within holding time?	✓			✓
4. Preparation benchsheet completed and included in package (if applicable)?	✓			✓
5. Special client requirements reviewed and met?	✓			✓
6. Was data manually transcribed from instrument printouts into TALS verified 100% including significant figures and correct units? (If Applicable)	✓			✓
7. Do the prep and analysis dates in TALS reflect the actual dates?	✓			✓
8. STD/True Value information is updated and included?	✓			✓
9. Raw data copies prepared, scanned, and uploaded?	✓			✓
C. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10x blank?	✓			✓
2. Method blank < ½ RL or NCM provided?	✓			✓
3. LCS/LCSD run for batch and within QC limits?	✓			✓
4. Sample DUP run at required frequency and RPD within established limits?	✓			✓

Analyst: [signature] **Date:** 6/25/12

2nd Level Reviewer : D. b. **Date:** 06-26-12

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Wet Chemistry Data Review Checklist For Gravimetric Methods

Test Name/Method #: TDS Analysis Date: 6/27/12

SOP #: DV-WC-0064 Analyst: BT Instrument: B41

Lot / Sample Numbers: 30328, 30333, 30334, 30335, 30336, 30385

Matrix	Prep Batch	Batch	Method	Special Inst
Wtr	—	125751	—	—

7/2/12

A. Balance, Oven, and DI Water QC Checks	Yes	No	N/A	2nd Level
1. Was the balance calibration verified before and after processing samples and noted in the "Balance Calibration Log" for the date(s) the samples were processed?	—			—
2. Was the oven temperature within method requirements and recorded in the "Oven Temperature" logbook for the date(s) the samples were processed?	—			—
3. Was the daily conductivity check of the deionized water recorded in the "Conductivity Logbook"?		X		—
B. Method Requirements				
1. If sample is visibly oily, was this noted on the benchsheet?		X		—
2. Was final residue weight within minimum/maximum requirements?	—			—
3. Were the initial and final drying dates and times recorded on the benchsheet and were all samples dried for at least one hour?	—			—
C. Sample Results				
1. TDS/Conductivity ratio or historical data checked?		X		—
2. For % Moisture, was the Final Dried Weight < the Initial Pan Weight or is the result greater than 100%?			X	—
3. Were sample analyses done within holding time?	—			—
4. Were special client requirements met?	—			—
5. Were data that were manually transcribed from instrument printouts into TALS verified 100% including significant figures and units?	—			—
6. Do the prep and analysis dates in TALS reflect the actual dates? Lots/Dates report checked?	—			—
7. STD/True Value information is updated and included?	—			—
8. Are raw data copies prepared, scanned, and uploaded?	—			—
D. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10 X RL?	—			—
2. Method blank < ½ RL or NCM provided?	—			—
3. LCS/LCSD run for batch and within QC limits?	—			—
4. DUP run for batch and RPD < 20% for samples >5 X RL?	—			—

Analyst: BT Date: 7/2/12

Comments: _____

2nd Level Reviewer : [signature] Date: 7/3/12

Comments: _____

7/2/12

TestAmerica Denver

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BOD Data Review Checklist

Methods: EPA 405.1, Standard Methods 5210 B

SOP # DV-WC-0019

Run Date: 6 22 12 Analyst: DVA Instrument: BOD

Log-in / Sample Numbers	Batch	Method	Special Inst
280 30331/1-5	125222	5210B	NA
280 30335/1-6			Q4
280 30291/1			NA
280 30336/1			
280 30334/1-4			Q4
			6 30 12

A. Materials and Instrument Checks	Yes	No	N/A	2nd Level
1. Seed water stirred/aerated for at least one hour?	✓			
2. Incubator temperature in control (20 ± 1°C) for 5-day incubation?	✓			
3. Probe checks done at prescribed intervals as shown on the benchsheet?	✓			✓
4. If CBOD in batch, is there is a Blank, Duplicate for CBOD in the batch?			✓	—
B. Method Required QC				
1. Initial D.O. readings for samples, blanks and GGA standard between 7.0 and 9.0 mg/L?	✓			—
2. Seed control depletion is at least 2.0 mg/L (40 – 70%)?	✓			✓
3. Seed correction value between 0.6 and 1.0 mg/L?	✓			✓
4. Glucose/Glutamic acid (LCS) within control limits?	✓			✓
C. Sample Results				
1. 48 hour holding time met for all samples?	✓			—
2. Was sample pH between 6.5 and 7.5 (adjustment made if necessary)?	✓			—
3. Were samples checked for residual chlorine (removed if necessary)?	✓			—
4. Are all sample dilutions with depletion <2.0 mg/L, or final D.O. <1.0 mg/L rejected?	✓			—
5. Do reporting limits reflect dilutions and/or limited sample volume?	✓			—
6. Were there any signs of toxicity in the samples?		✓		✓
7. Were there any air bubbles in the BOD bottles?		✓		
8. Were special client requirements met?	✓			—
9. STD/True Value information is updated and included?	✓			✓

Analyst: _____ Date: 6 30 12

2nd Level Reviewer : _____ Date: 6/30/12

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 126890 Batch Start Date: 07/07/12 10:16 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	NXN CAL INT 00154	NXN ICV INT 00148	AnalysisComment
ICVL 280-126890/15		350.1		100 mL	100 mL	OK		2 mL	
ICV 280-126890/16		350.1		100 mL	100 mL	OK		5 mL	
ICB 280-126890/17		350.1				OK			
MRL 280-126890/18		350.1				OK			
CCV 280-126890/32		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126890/33		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126890/34		350.1				OK			
MB 280-126890/42		350.1				OK			ph<2
LCS 280-126890/43		350.1		100 mL	100 mL	OK	5 mL		ph<2
LCSD 280-126890/44		350.1		100 mL	100 mL	OK	5 mL		ph<2
CCV 280-126890/48		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126890/49		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126890/50		350.1				OK			
CCV 280-126890/64		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126890/65		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126890/66		350.1				OK			
280-30334-A-1	LF6SW0101QA	350.1	T			OK			ph<2
280-30334-A-2	LF6SW0201QA	350.1	T			OK			ph<2
280-30334-A-3	LF6LH0101QA	350.1	T			OK			ph<2
280-30334-A-4	LF6LH0201QA	350.1	T			OK			ph<2
CCV 280-126890/80		350.1		100 mL	100 mL	OK	5 mL		
CCVL 280-126890/81		350.1		100 mL	100 mL	OK	1 mL		
CCB 280-126890/82		350.1				OK			

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 126890 Batch Start Date: 07/07/12 10:16 Batch Analyst: Wolff, Brett Q

Batch Method: 350.1 Batch End Date:

Batch Notes	
Buffer Reagent ID Number	NH3 Buffer_00014
Hypochlorite Reagent ID Number	Hypochlorite_00194
Sodium Nitroprusside Reagent ID	Nitroprusside_00023
Pipette ID	5000Q, 1000m
Perform Calculation (0=No, 1=Yes)	1
Sodium Phenolate Reagent ID Number	Phenolate NH3_00040

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 127752 Batch Start Date: 07/12/12 19:30 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date: 07/13/12 23:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	TKN 25ppm 00098		
LCS 280-127752/1		351.2, 351.2			25 mL	25 mL	6 mL		
LCSD 280-127752/2		351.2, 351.2			25 mL	25 mL	6 mL		
MB 280-127752/3		351.2, 351.2			25 mL	25 mL			
280-30334-C-1	LF6SW0101QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30334-C-1 MS	LF6SW0101QA	351.2, 351.2	T	< 2	25 mL	25 mL	3 mL		
280-30334-C-1 MSD	LF6SW0101QA	351.2, 351.2	T	< 2	25 mL	25 mL	3 mL		
280-30334-C-2	LF6SW0201QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30334-C-3	LF6LH0101QA	351.2, 351.2	T	< 2	25 mL	25 mL			
280-30334-C-4	LF6LH0201QA	351.2, 351.2	T	< 2	25 mL	25 mL			

Batch Notes	
Batch Comment	5000X
Block Digestion End time	2345
Block Digestion Start time	1930
Block Digestor Name	TKN A
Digestion Solution Used	TKN Digestion_00009
Oven, Bath or Block Temperature 1	140 Degrees C
Oven, Bath or Block Temperature 2	380 Degrees C

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 127784 Batch Start Date: 07/13/12 20:21 Batch Analyst: Woolley, Mark

Batch Method: 351.2 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TKN 25ppm 00097	TKN ICV 00003			
ICV 280-127784/13		351.2		4 mL		2 mL			
ICB 280-127784/14		351.2		4 mL					
LCS 280-127752/1-A		351.2		4 mL					
LCSD 280-127752/2-A		351.2		4 mL					
MB 280-127752/3-A		351.2		4 mL					
280-30334-C-1-A	LF6SW0101QA	351.2	T	4 mL					
280-30334-C-1-B MS	LF6SW0101QA	351.2	T	4 mL					
280-30334-C-1-C MSD	LF6SW0101QA	351.2	T	4 mL					
CCV 280-127784/21		351.2		25 mL	5 mL				
CCB 280-127784/22		351.2		4 mL					
280-30334-C-2-A	LF6SW0201QA	351.2	T	4 mL					
280-30334-C-3-A	LF6LH0101QA	351.2	T	4 mL					
280-30334-C-4-A	LF6LH0201QA	351.2	T	4 mL					
CCV 280-127784/33		351.2		25 mL	5 mL				
CCB 280-127784/34		351.2		4 mL					

Batch Notes	
Batch Comment	5000X/1000M
Buffer Reagent ID Number	TKN Buffer_00010
Hypochlorite Solution Lot Number	TKN Hypochl_00095
Salicylate Nitroprusside Reagent ID	Sodium Nitro_000007
First Ending Temperature	57.0 Celsius
First Starting Temperature	57.0 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 124298 Batch Start Date: 06/16/12 10:55 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	COD cal std 00014			
IC 280-124298/1		410.4		50 mL	50 mL	0.5 mL			
IC 280-124298/2		410.4		50 mL	50 mL	1 mL			
IC 280-124298/3		410.4		50 mL	50 mL	2.5 mL			
IC 280-124298/4		410.4		50 mL	50 mL	5 mL			
IC 280-124298/5		410.4		50 mL	50 mL	7.5 mL			
IC 280-124298/6		410.4		50 mL	50 mL	10 mL			

Batch Notes	
Batch Comment	420nm, WC-5000-N, WC-1000-H
Block Digestion End time	AA: 13:30 BB: 13:55 AA: 15:45
Block Digestion Start time	AA: 11:30 BB:11:55 AA: 13:45
Block Digestor Name	HACH DRB 200
Oven, Bath or Block Temperature 1	AA: 150 BB:150 AA: 150
Oven, Bath or Block Temperature 2	AA: 150 BB: 150
Sufficient volume for MS/MSD?	yes
Vial Lot Number	A2130 05/31/17

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 125624 Batch Start Date: 06/26/12 11:37 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	COD cal std 00014	COD icv std 00009
ICV 280-125624/1		410.4		50 mL	50 mL				5 mL
ICB 280-125624/2		410.4		2 mL	2 mL				
LCS 280-125624/3		410.4		100 mL	100 mL			10 mL	
LCSD 280-125624/4		410.4		100 mL	100 mL			10 mL	
MB 280-125624/5		410.4		2 mL	2 mL				
280-30334-C-1	LF6SW0101QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30334-C-1 MS	LF6SW0101QA	410.4	T	100 mL	100 mL	<2 SU	<2 SU		
280-30334-C-1 MSD	LF6SW0101QA	410.4	T	100 mL	100 mL	<2 SU	<2 SU		
280-30334-C-2	LF6SW0201QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30334-C-3	LF6LH0101QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
280-30334-C-4	LF6LH0201QA	410.4	T	2 mL	2 mL	<2 SU	<2 SU		
CCV 280-125624/16		410.4		100 mL	100 mL			10 mL	
CCB 280-125624/17		410.4		2 mL	2 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	cod ms/msd 00006	AnalysisComment				
ICV 280-125624/1		410.4							
ICB 280-125624/2		410.4							
LCS 280-125624/3		410.4							
LCSD 280-125624/4		410.4							
MB 280-125624/5		410.4							
280-30334-C-1	LF6SW0101QA	410.4	T		CL <2000				
280-30334-C-1 MS	LF6SW0101QA	410.4	T	0.5 mL	CL <2000				
280-30334-C-1 MSD	LF6SW0101QA	410.4	T	0.5 mL	CL <2000				
280-30334-C-2	LF6SW0201QA	410.4	T		CL <2000				
280-30334-C-3	LF6LH0101QA	410.4	T		CL <2000				

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 125624 Batch Start Date: 06/26/12 11:37 Batch Analyst: Fayard, Maria

Batch Method: 410.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	cod ms/msd 00006	AnalysisComment				
280-30334-C-4	LF6LH0201QA	410.4	T		CL <2000				
CCV 280-125624/16		410.4							
CCB 280-125624/17		410.4							

Batch Notes	
Acid used for pH adjustment	H2SO4
Acid used for pH adjust Lot #	H2SO4_00015
Batch Comment	420nm, WC-5000-B, WC-1000-H
Block Digestion End time	AA: 15:49 BB: 15:49
Block Digestion Start time	AA: 13:49 BB: 13:47
Block Digestor Name	HACH 200 DRB
Oven, Bath or Block Temperature 1	AA: 150 BB: 150
Oven, Bath or Block Temperature 2	AA: 150 BB: 150
Sufficient volume for MS/MSD?	yes
Vial Lot Number	A2130 exp:05/31/17

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 126227 Batch Start Date: 06/22/12 13:00 Batch Analyst: Ayala, Delaina

Batch Method: SM 2120B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TurbidityRemoved				
MB 280-126227/1		SM 2120B		50 mL	N				
280-30334-A-1	LF6SW0101QA	SM 2120B	T	50 mL	N				
280-30334-A-1 DU	LF6SW0101QA	SM 2120B	T	50 mL	N				
280-30334-A-2	LF6SW0201QA	SM 2120B	T	50 mL	N				
280-30334-A-3	LF6LH0101QA	SM 2120B	T	50 mL	Y				
280-30334-A-4	LF6LH0201QA	SM 2120B	T	50 mL	N				

Batch Notes	
Batch Comment	NESSLER TUBES
Color Standards Lot #	1316339

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 128017 Batch Start Date: 07/17/12 09:02 Batch Analyst: Allen, Andrew J

Batch Method: SM 2340C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	BuretStart1	BuretStop1	TitrantVolume1	CalcMsg
MB 280-128017/1		SM 2340C		25 mL	25 mL	0 mL	0.00 mL	0 mL	OK
LCS 280-128017/2		SM 2340C		25 mL	25 mL	0 mL	10.05 mL	10.05 mL	OK
LCSD 280-128017/3		SM 2340C		25 mL	25 mL	0 mL	10.11 mL	10.11 mL	OK
280-30334-E-1	LF6SW0101QA	SM 2340C	T	25 mL	25 mL	0 mL	7.62 mL	7.62 mL	OK
280-30334-E-2	LF6SW0201QA	SM 2340C	T	25 mL	25 mL	0 mL	7.81 mL	7.81 mL	OK
280-30334-E-3	LF6LH0101QA	SM 2340C	T	25 mL	25 mL	0 mL	5.86 mL	5.86 mL	OK
280-30334-E-4	LF6LH0201QA	SM 2340C	T	25 mL	25 mL	0 mL	4.01 mL	4.01 mL	OK

Lab Sample ID	Client Sample ID	Method Chain	Basis	Hard lcs std 00022					
MB 280-128017/1		SM 2340C							
LCS 280-128017/2		SM 2340C		10 mL					
LCSD 280-128017/3		SM 2340C		10 mL					
280-30334-E-1	LF6SW0101QA	SM 2340C	T						
280-30334-E-2	LF6SW0201QA	SM 2340C	T						
280-30334-E-3	LF6LH0101QA	SM 2340C	T						
280-30334-E-4	LF6LH0201QA	SM 2340C	T						

Batch Notes	
Buffer Lot #	Hardness Buffer 00012
EDTA Lot Number	EDTA Titrant 00010
Indicator Lot	Calmagite 00001
Nominal Amount Used	25 mL
Pipette ID	5000-L
Perform Calculation (0=No, 1=Yes)	1
Normality of first Titrant	0.01980 N
Titrant Standardization Date	071712

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 125527 Batch Start Date: 06/22/12 08:34 Batch Analyst: Phan, Thu L

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	IC CAL INT1 00159	IC daily cal 00821	IC ICV daily 00821	
ICV 280-125527/1		9056A			Not Calculated. Perform Calculation left blank			5 mL	
ICB 280-125527/2		9056A			Not Calculated. Perform Calculation left blank				
MRL 280-125527/3		9056A		5 mL	Not Calculated. Perform Calculation left blank	50 uL			
LCS 280-125527/5		9056A			Not Calculated. Perform Calculation left blank		5 mL		
LCSD 280-125527/6		9056A			Not Calculated. Perform Calculation left blank		5 mL		
MB 280-125527/7		9056A			Not Calculated. Perform Calculation left blank				
CCV 280-125527/18		9056A			Not Calculated. Perform Calculation left blank		5 mL		
CCB 280-125527/19		9056A			Not Calculated. Perform Calculation left blank				
280-30334-B-1	LF6SW0101QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30334-B-2	LF6SW0201QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30334-B-3	LF6LH0101QA	9056A	T		Not Calculated. Perform Calculation left blank				

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 125527 Batch Start Date: 06/22/12 08:34 Batch Analyst: Phan, Thu L

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CalcMsg	IC CAL INT1 00159	IC daily cal 00821	IC ICV daily 00821	
280-30334-B-4	LF6LH0201QA	9056A	T		Not Calculated. Perform Calculation left blank				
280-30334-B-4 DU	LF6LH0201QA	9056A	T		Not Calculated. Perform Calculation left blank				
CCV 280-125527/30		9056A			Not Calculated. Perform Calculation left blank		5 mL		
CCB 280-125527/31		9056A			Not Calculated. Perform Calculation left blank				

Batch Notes	
Batch Comment	pipets: wc-5000ic, wc-1000u, wc-100c
Filter Lot #	koja5815-1339
Regeneration Solution Lot	110820811019

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 125528 Batch Start Date: 06/22/12 08:34 Batch Analyst: Phan, Thu L

Batch Method: 9056A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	IC CAL INT1 00159	IC daily cal 00821	IC ICV daily 00821		
ICV 280-125528/1		9056A					5 mL		
MRL 280-125528/4		9056A		5 mL	20 uL				
LCS 280-125528/5		9056A				5 mL			
LCSD 280-125528/6		9056A				5 mL			
CCV 280-125528/18		9056A				5 mL			
CCV 280-125528/30		9056A				5 mL			
CCV 280-125528/38		9056A				5 mL			

Batch Notes	
Filter Lot #	koja5815-1339
Pipette ID	wc-5000ic, wc-1000u, wc-100c
Regeneration Solution Lot	110820811019

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 128057 Batch Start Date: 07/16/12 17:54 Batch Analyst: Bandy, Darlene F

Batch Method: 9060A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TOC ICV Std 00012	TOC LCS Std 00013	AnalysisComment		
ICV 280-128057/1		9060A		50 mL	1 mL				
CCV 280-128057/28		9060A		200 mL		5 mL			
LCS 280-128057/32		9060A		200 mL		5 mL			
LCSD 280-128057/33		9060A		200 mL		5 mL			
280-30334-D-1	LF6SW0101QA	9060A	T				pH <2		
280-30334-D-1 MS	LF6SW0101QA	9060A	T	50 mL		1.25 mL	pH <2		
280-30334-D-1 MSD	LF6SW0101QA	9060A	T	50 mL		1.25 mL	pH <2		
280-30334-D-2	LF6SW0201QA	9060A	T				pH <2		
280-30334-D-3	LF6LH0101QA	9060A	T				pH <2		
CCV 280-128057/40		9060A		200 mL		5 mL			
280-30334-D-4	LF6LH0201QA	9060A	T				pH <2		
CCV 280-128057/52		9060A		200 mL		5 mL			

Batch Notes	
Batch Comment	0.2% H2SO4_00044
Pipette ID	WC-5000-N, WC-1000-H

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 125394 Batch Start Date: 06/23/12 08:14 Batch Analyst: Gilbert, Bryan M

Batch Method: SM 2320B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	Alk daily lcs 00252				
CCV 280-125394/29		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125394/30		SM 2320B		InitialAmount is blank					
LCS 280-125394/31		SM 2320B		InitialAmount is blank	10 mL				
LCSD 280-125394/32		SM 2320B		InitialAmount is blank	10 mL				
MB 280-125394/33		SM 2320B		InitialAmount is blank					
CCV 280-125394/41		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125394/42		SM 2320B		InitialAmount is blank					
CCV 280-125394/53		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125394/54		SM 2320B		InitialAmount is blank					
280-30334-B-1	LF6SW0101QA	SM 2320B	T	InitialAmount is blank					
280-30334-B-2	LF6SW0201QA	SM 2320B	T	InitialAmount is blank					
280-30334-B-3	LF6LH0101QA	SM 2320B	T	InitialAmount is blank					
280-30334-B-4	LF6LH0201QA	SM 2320B	T	InitialAmount is blank					
CCV 280-125394/59		SM 2320B		InitialAmount is blank	10 mL				
CCB 280-125394/60		SM 2320B		InitialAmount is blank					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 125394 Batch Start Date: 06/23/12 08:14 Batch Analyst: Gilbert, Bryan M

Batch Method: SM 2320B Batch End Date:

Batch Notes	
pH Buffer 1 ID	pH 4 buffer_00071
pH Buffer 2 ID	pH 7 buffer_00079
pH Buffer 3 ID	pH 10 buffer_00059
First End time	13:55
Sulfuric Acid Lot Number	.02N h2so4_00075
Sulfuric Acid Vendor	ricca
Nominal Amount Used	10 mL
Pipette ID	5000Q
Probe ID	pH probe 3
First Start time	8:14
Normality of first Titrant	.02 N

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 125751 Batch Start Date: 06/27/12 08:19 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Conductivity	InitialAmount	TareWeight	Weight1	Weight2	Weight3
MB 280-125751/1		SM 2540C		0.42 umhos/cm	100 mL	65.7389 g	65.7382 g	65.7379 g	65.7379 g
LCS 280-125751/2		SM 2540C			100 mL	65.9202 g	65.9674 g	65.9676 g	0 g
LCSD 280-125751/3		SM 2540C			100 mL	65.6155 g	65.6611 g	65.6613 g	0 g
280-30334-A-1	LF6SW0101QA	SM 2540C	T	1084 umhos/cm	100 mL	65.6163 g	65.6780 g	65.6752 g	65.6752 g
280-30334-A-2	LF6SW0201QA	SM 2540C	T	1057 umhos/cm	100 mL	66.1920 g	66.2499 g	66.2477 g	66.2477 g
280-30334-A-3	LF6LH0101QA	SM 2540C	T	449 umhos/cm	100 mL	66.0786 g	66.1049 g	66.1056 g	66.1056 g
280-30334-A-4	LF6LH0201QA	SM 2540C	T	351 umhos/cm	100 mL	66.1615 g	66.1803 g	66.1807 g	0 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	WeightOne%Diff	WeightTwo%Diff	Residue	Residue2	Residue3	FinalAmount
MB 280-125751/1		SM 2540C		PASS_D No Unit	PASS_B No Unit	-0.00070 g	-0.00100 g	-0.00100000000000477 g	100 mL
LCS 280-125751/2		SM 2540C		PASS_D No Unit		0.04720 g	0.04740 g		100 mL
LCSD 280-125751/3		SM 2540C		PASS_D No Unit		0.04560 g	0.04580 g		100 mL
280-30334-A-1	LF6SW0101QA	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.06170 g	0.05890 g	0.0589000000000084 g	100 mL
280-30334-A-2	LF6SW0201QA	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.05790 g	0.05570 g	0.0557000000000016 g	100 mL
280-30334-A-3	LF6LH0101QA	SM 2540C	T	NOPE_B No Unit	PASS_B No Unit	0.02630 g	0.02700 g	0.027000000000001 g	100 mL
280-30334-A-4	LF6LH0201QA	SM 2540C	T	PASS_D No Unit		0.01880 g	0.01920 g		100 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	TDS LCS 00279	AnalysisComment				
MB 280-125751/1		SM 2540C			2nd wght 65.7362				
LCS 280-125751/2		SM 2540C		100 mL					
LCSD 280-125751/3		SM 2540C		100 mL					
280-30334-A-1	LF6SW0101QA	SM 2540C	T		2nd wght 65.6766				
280-30334-A-2	LF6SW0201QA	SM 2540C	T		2nd wght 66.2487				
280-30334-A-3	LF6LH0101QA	SM 2540C	T		2nd wght 66.1042				
280-30334-A-4	LF6LH0201QA	SM 2540C	T						

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 125751 Batch Start Date: 06/27/12 08:19 Batch Analyst: Domnick, Brandon J

Batch Method: SM 2540C Batch End Date:

Batch Notes	
Balance ID	D91301
Constant Weight (WT2) Date/Time in Oven	6/28/12 9:55
Constant Weight (WT2) Date/Time Out	6/28/12 11:55
Constant Weight (WT2) Temp In	180 Celsius
Constant Weight (WT2) Temp Out	180 Celsius
Constant Weight (WT3) Date/time In	7/2/12 8:35
Constant Weight (WT3) Date/Time Out	7/2/12 10:20
Constant Weight (WT3) Temp In	180 Celsius
Constant Weight (WT3) Temp Out	180 Celsius
Filter Paper Lot Number	millipore lot# r2aa74409
Date samples were placed in the oven	6/27/12 11:45
Oven Temp when samples are put in oven	180 Celsius
Nominal Amount Used	100 mL
Date samples were removed from oven	6/28/12 5:10
Oven Temp when samples removed from oven	180 Celsius
Oven ID	A
Oven Temperature Verification	180 Celsius
ID number of the thermometer	14-983-17c
Uncorrected In Temperature	180 Celsius
Uncorrected Out Temperature	180 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 125222 Batch Start Date: 06/22/12 11:55 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 06/27/12 11:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	ResidualChloCheck	InitialTemp	Initial_DO	Initial pH	FinTemp	Final_DO
LCS 280-125222/4		SM5210B							
LCSD 280-125222/5		SM5210B							
MB 280-125222/6		SM5210B							
280-30334-A-1	LF6SW0101QA	SM5210B	T	NEG	20.43 Celsius	7.40 mg/L	7.49	19.92 Celsius	7.46 mg/L
280-30334-A-2	LF6SW0201QA	SM5210B	T	NEG	20.40 Celsius	7.42 mg/L	7.43	20.29 Celsius	7.41 mg/L
280-30334-A-3	LF6LH0101QA	SM5210B	T	NEG	20.40 Celsius	7.44 mg/L	7.18	20.31 Celsius	7.41 mg/L
280-30334-A-4	LF6LH0201QA	SM5210B	T	NEG	20.40 Celsius	7.44 mg/L	7.35	20.56 Celsius	7.38 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Num	Bot1Amt	Bot1IDO	Bot1FDO	Bot1Dep	Bot1BOD
LCS 280-125222/4		SM5210B		9	6 mL	7.37 mg/L	2.75 mg/L	4.62 mg/L	200.12 mg/L
LCSD 280-125222/5		SM5210B		10	6 mL	7.35 mg/L	2.63 mg/L	4.72 mg/L	205.12 mg/L
MB 280-125222/6		SM5210B		11	300 mL	7.35 mg/L	6.88 mg/L	0.47 mg/L	-0.148 mg/L
280-30334-A-1	LF6SW0101QA	SM5210B	T	82	10 mL	7.45 mg/L	7.58 mg/L	-0.13 mg/L	-22.428 mg/L
280-30334-A-2	LF6SW0201QA	SM5210B	T	87	10 mL	7.45 mg/L	7.42 mg/L	0.03 mg/L	-17.628 mg/L
280-30334-A-3	LF6LH0101QA	SM5210B	T	92	10 mL	7.44 mg/L	7.36 mg/L	0.08 mg/L	-16.128 mg/L
280-30334-A-4	LF6LH0201QA	SM5210B	T	97	10 mL	7.46 mg/L	7.40 mg/L	0.06 mg/L	-16.728 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Use	Bot2Num	Bot2Amt	Bot2IDO	Bot2FDO	Bot2Dep
LCS 280-125222/4		SM5210B		YES. Pass					
LCSD 280-125222/5		SM5210B		YES. Pass					
MB 280-125222/6		SM5210B		No. DO Deplete Fail					
280-30334-A-1	LF6SW0101QA	SM5210B	T	No. DO Deplete Fail	83	25 mL	7.57 mg/L	7.53 mg/L	0.04 mg/L
280-30334-A-2	LF6SW0201QA	SM5210B	T	No. DO Deplete Fail	88	25 mL	7.55 mg/L	7.56 mg/L	-0.01 mg/L
280-30334-A-3	LF6LH0101QA	SM5210B	T	No. DO Deplete Fail	93	25 mL	7.47 mg/L	7.13 mg/L	0.34 mg/L
280-30334-A-4	LF6LH0201QA	SM5210B	T	No. DO Deplete Fail	98	25 mL	7.55 mg/L	7.32 mg/L	0.23 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot2BOD	Bot2Use	Bot3Num	Bot3Amt	Bot3IDO	Bot3FDO

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 125222 Batch Start Date: 06/22/12 11:55 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 06/27/12 11:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot2BOD	Bot2Use	Bot3Num	Bot3Amt	Bot3IDO	Bot3FDO
LCS 280-125222/4		SM5210B							
LCSD 280-125222/5		SM5210B							
MB 280-125222/6		SM5210B							
280-30334-A-1	LF6SW0101QA	SM5210B	T	-6.931 mg/L	No. DO Deplete Fail	84	60 mL	7.87 mg/L	6.61 mg/L
280-30334-A-2	LF6SW0201QA	SM5210B	T	-7.531 mg/L	No. DO Deplete Fail	89	60 mL	7.81 mg/L	7.55 mg/L
280-30334-A-3	LF6LH0101QA	SM5210B	T	-3.331 mg/L	No. DO Deplete Fail	94	60 mL	7.64 mg/L	6.95 mg/L
280-30334-A-4	LF6LH0201QA	SM5210B	T	-4.651 mg/L	No. DO Deplete Fail	99	60 mL	7.86 mg/L	7.32 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot3Dep	Bot3BOD	Bot3Use	Bot4Num	Bot4Amt	Bot4IDO
LCS 280-125222/4		SM5210B							
LCSD 280-125222/5		SM5210B							
MB 280-125222/6		SM5210B							
280-30334-A-1	LF6SW0101QA	SM5210B	T	1.26 mg/L	3.212 mg/L	NO. Deplete Fail	85	120 mL	8.43 mg/L
280-30334-A-2	LF6SW0201QA	SM5210B	T	0.26 mg/L	-1.788 mg/L	NO. Deplete Fail	90	120 mL	8.39 mg/L
280-30334-A-3	LF6LH0101QA	SM5210B	T	0.69 mg/L	0.362 mg/L	NO. Deplete Fail	95	120 mL	7.89 mg/L
280-30334-A-4	LF6LH0201QA	SM5210B	T	0.54 mg/L	-0.388 mg/L	NO. Deplete Fail	100	120 mL	8.43 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot4FDO	Bot4Dep	Bot4BOD	Bot4Use	Bot5Num	Bot5Amt
LCS 280-125222/4		SM5210B							
LCSD 280-125222/5		SM5210B							
MB 280-125222/6		SM5210B							
280-30334-A-1	LF6SW0101QA	SM5210B	T	7.58 mg/L	0.85 mg/L	0.581 mg/L	NO. Deplete Fail	86	240 mL
280-30334-A-2	LF6SW0201QA	SM5210B	T	7.50 mg/L	0.89 mg/L	0.681 mg/L	NO. Deplete Fail	91	240 mL
280-30334-A-3	LF6LH0101QA	SM5210B	T	6.69 mg/L	1.2 mg/L	1.456 mg/L	NO. Deplete Fail	96	240 mL

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 125222 Batch Start Date: 06/22/12 11:55 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 06/27/12 11:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot4FDO	Bot4Dep	Bot4BOD	Bot4Use	Bot5Num	Bot5Amt
280-30334-A-4	LF6LH0201QA	SM5210B	T	7.32 mg/L	1.11 mg/L	1.231 mg/L	NO. Deplete Fail	101	240 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot5IDO	Bot5FDO	Bot5Dep	Bot5BOD	Bot5Use	CalcMsg
LCS 280-125222/4		SM5210B							BOD OK
LCSD 280-125222/5		SM5210B							BOD OK
MB 280-125222/6		SM5210B							No dilutions passed.
280-30334-A-1	LF6SW0101QA	SM5210B	T	9.72 mg/L	6.62 mg/L	3.1 mg/L	3.103 mg/L	YES. Pass	BOD OK
280-30334-A-2	LF6SW0201QA	SM5210B	T	9.57 mg/L	7.85 mg/L	1.72 mg/L	1.378 mg/L	NO. Deplete Fail	No dilutions passed.
280-30334-A-3	LF6LH0101QA	SM5210B	T	8.35 mg/L	5.31 mg/L	3.04 mg/L	3.028 mg/L	YES. Pass	BOD OK
280-30334-A-4	LF6LH0201QA	SM5210B	T	9.54 mg/L	7.55 mg/L	1.99 mg/L	1.716 mg/L	NO. Deplete Fail	No dilutions passed.

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	BOD Daily LCS 00526	AnalysisComment			
LCS 280-125222/4		SM5210B		300 mL	6 mL				
LCSD 280-125222/5		SM5210B		300 mL	6 mL				
MB 280-125222/6		SM5210B		300 mL					
280-30334-A-1	LF6SW0101QA	SM5210B	T	300 mL					
280-30334-A-2	LF6SW0201QA	SM5210B	T	300 mL					
280-30334-A-3	LF6LH0101QA	SM5210B	T	300 mL					
280-30334-A-4	LF6LH0201QA	SM5210B	T	300 mL		INITIAL POST DO READING 20.49C 7.44MG/L/ FINAL POST DO READING 20.75C 7.35MG/L			

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30334-1

SDG No.:

Batch Number: 125222 Batch Start Date: 06/22/12 11:55 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 06/27/12 11:45

Batch Notes	
Barometric Pressure at Time of Analysis	748MMHG
Batch Comment	WC5000L
Sulfuric Acid Lot Number	H2SO4 _00001
Incubator ID	BOD 2
Incubator Temperature	19.3 Degrees C
Sodium Hydroxide Reagent ID Number	NAOH_00003
Nominal Amount Used	300 mL
Nutrient Buffer Pillow Lot #	BOD PILLOWS _00002
pH Meter ID	MO2-01543/001-1633
Perform Calculation (0=No, 1=Yes)	1
Amount of Seed added to each Sample	4 mL
Seed Correction	0.6176 mg/L
Seed Lot	POLYSEED _00003/ SEEDED @ 1330/ SEED WINDOW 1130-1730

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-30334-1

Login Number: 30334

List Source: TestAmerica Denver

List Number: 1

Creator: Bindel, Aaron M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30435-1

Job Description: Griffiss AFB LF6 LTM

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Julie L Dreesen
Project Mgmt. Assistant
7/10/2012 9:08 AM

Designee for
Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/10/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
Tel (303) 736-0100 Fax (303) 431-7171 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB LF6 LTM
Report Number: 280-30435-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

One sample was received on 06/26/2012; the sample arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 1.6ºC.

A sample ID discrepancy was noted between the information listed on the chain-of-custody and the container label for TA Denver samples 280-30435-1. The chain-of-custody lists the sample ID as LFVMW2348QA, while the container labels list the sample ID as LF6VMW2348QA. The Sample Technician was able to determine the identity of the sample by comparing the sample collection time on the COC with the sample collection time on the sample container label. The sample ID was logged per the chain-of-custody. The client was notified on June 26, 2012.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample LFVM2348QA (280-30435-1) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The sample was analyzed on 07/02/2012.

No difficulties were encountered during the VOC analysis.

All quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Instrument ID: MSV_R2 Analysis Batch Number: 124226

Lab Sample ID: IC 280-124226/5 Client Sample ID:

Date Analyzed: 06/15/12 08:22 Lab File ID: RR6390.D GC Column: DB-624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.66	Analyte not Identified by the Data System	dobranskym	06/15/12 11:00

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30435-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30435-1	LFVM2348QA	Water	06/22/2012 1200	06/26/2012 0930

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30435-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30435-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B

Lab References:

TAL DEN = TestAmerica Denver

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30435-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Dobransky, Michael E	MD

Client: FPM Remediations Inc

Job Number: 280-30435-1

Client Sample ID: **LFVM2348QA**

Lab Sample ID: 280-30435-1
Client Matrix: Water

Date Sampled: 06/22/2012 1200
Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6887.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1804			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1804				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0

Client: FPM Remediations Inc | Job Number: 280-30435-1

Client Sample ID: **LFVM2348QA**

Lab Sample ID: 280-30435-1 | Date Sampled: 06/22/2012 1200
Client Matrix: Water | Date Received: 06/26/2012 0930

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	RR6887.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 1804			Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 1804				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	96		85 - 120
1,2-Dichloroethane-d4 (Surr)	83		70 - 120
4-Bromofluorobenzene (Surr)	91		75 - 120
Dibromofluoromethane (Surr)	89		85 - 115

Client: FPM Remediations Inc

Job Number: 280-30435-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-30435-1	LFVM2348QA	89	83	96	91
MB 280-126338/7		91	86	106	98
LCS 280-126338/6		90	83	100	89

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Client: FPM Remediations Inc

Job Number: 280-30435-1

Method Blank - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-126338/7	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6863.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0856	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0856				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1,2-Tetrachloroethane	0.20	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,1-Dichloroethane	0.20	U	0.16	1.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,1-Dichloroethene	0.20	U	0.14	1.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.20	U	0.13	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.20	U	0.15	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,2-Dichloropropane	0.20	U	0.13	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
4-Isopropyltoluene	0.40	U	0.17	1.0
Benzene	0.20	U	0.16	1.0
Acetone	6.4	U	1.9	10
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Carbon disulfide	0.80	U	0.45	2.0
2-Chlorotoluene	0.40	U	0.17	1.0
4-Chlorotoluene	0.40	U	0.17	1.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.20	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroform	0.20	U	0.16	1.0
Chloroethane	1.6	U	0.41	2.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0

Client: FPM Remediations Inc

Job Number: 280-30435-1

Method Blank - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-126338/7	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6863.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0856	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0856				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Ethylene Dibromide	0.20	U	0.18	1.0
Methylene Chloride	0.40	U	0.32	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
Styrene	0.40	U	0.17	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.80	U	0.40	1.5
1,4-Dioxane	80	U	71	220
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	0.79	3.0
1-Chlorohexane	0.20	U	0.17	1.0
Cyclohexane	0.40	U	0.28	2.0
Methyl acetate	2.0	U	1.6	5.0
Methylcyclohexane	0.40	U	0.36	2.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	106	85 - 120
1,2-Dichloroethane-d4 (Surr)	86	70 - 120
4-Bromofluorobenzene (Surr)	98	75 - 120
Dibromofluoromethane (Surr)	91	85 - 115

Client: FPM Remediations Inc

Job Number: 280-30435-1

Lab Control Sample - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-126338/6	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6862.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0834	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0834				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	5.00	4.44	89	80 - 130	
1,1,1-Trichloroethane	5.00	4.14	83	65 - 130	
1,2,3-Trichloropropane	5.00	4.69	94	75 - 125	
1,2,3-Trichlorobenzene	5.00	4.45	89	55 - 140	
1,1-Dichloroethane	5.00	4.55	91	70 - 135	
1,2,4-Trichlorobenzene	5.00	4.42	88	65 - 135	
1,2-Dibromo-3-Chloropropane	5.00	4.42	88	50 - 130	J
1,1-Dichloropropene	5.00	4.53	91	75 - 130	
1,1-Dichloroethene	5.00	4.74	95	70 - 130	
1,1,2-Trichloroethane	5.00	4.67	93	75 - 125	
1,1,2,2-Tetrachloroethane	5.00	4.55	91	65 - 130	
1,2,4-Trimethylbenzene	5.00	4.42	88	75 - 130	
1,2-Dichlorobenzene	5.00	4.59	92	70 - 120	
1,2-Dichloroethane	5.00	4.76	95	70 - 130	
1,3-Dichlorobenzene	5.00	4.60	92	75 - 125	
1,3-Dichloropropane	5.00	4.55	91	75 - 125	
1,3,5-Trimethylbenzene	5.00	4.51	90	75 - 130	
2-Butanone (MEK)	20.0	28.0	140	30 - 150	
1,4-Dichlorobenzene	5.00	4.58	92	75 - 125	
1,2-Dichloropropane	5.00	4.61	92	75 - 125	
2,2-Dichloropropane	5.00	4.36	87	70 - 135	
2-Hexanone	20.0	22.4	112	55 - 130	
4-Methyl-2-pentanone (MIBK)	20.0	22.0	110	60 - 135	
4-Isopropyltoluene	5.00	4.53	91	75 - 130	
Benzene	5.00	4.47	89	80 - 120	
Acetone	20.0	23.2	116	40 - 140	
Bromobenzene	5.00	4.60	92	75 - 125	
Bromoform	5.00	4.55	91	70 - 130	
Bromomethane	5.00	4.95	99	30 - 145	
Carbon tetrachloride	5.00	4.29	86	65 - 140	
Carbon disulfide	5.00	4.43	89	35 - 160	
2-Chlorotoluene	5.00	4.70	94	75 - 125	
4-Chlorotoluene	5.00	4.80	96	75 - 130	
Chlorobenzene	5.00	4.48	90	80 - 120	
Chlorobromomethane	5.00	4.47	89	65 - 130	
Chlorodibromomethane	5.00	4.49	90	60 - 135	
Chloroform	5.00	4.23	85	65 - 135	
Chloroethane	5.00	4.41	88	60 - 135	
Chloromethane	5.00	4.55	91	40 - 125	
cis-1,2-Dichloroethene	5.00	4.52	90	70 - 125	
cis-1,3-Dichloropropene	5.00	4.38	88	70 - 130	
Dibromomethane	5.00	4.48	90	75 - 125	
Dichlorobromomethane	5.00	4.31	86	75 - 120	
Dichlorodifluoromethane	5.00	4.47	89	30 - 155	
Ethylbenzene	5.00	4.75	95	75 - 125	
Hexachlorobutadiene	5.00	4.29	86	50 - 140	

Client: FPM Remediations Inc

Job Number: 280-30435-1

Lab Control Sample - Batch: 280-126338

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-126338/6	Analysis Batch:	280-126338	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR6862.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	07/02/2012 0834	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	07/02/2012 0834				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Isopropylbenzene	5.00	4.60	92	75 - 125	
Ethylene Dibromide	5.00	4.55	91	80 - 120	
Methylene Chloride	5.00	4.55	91	55 - 140	J
Methyl tert-butyl ether	5.00	4.29	86	65 - 125	J
m-Xylene & p-Xylene	10.0	9.26	93	75 - 130	
Naphthalene	5.00	4.29	86	55 - 140	
n-Butylbenzene	5.00	4.65	93	70 - 135	
N-Propylbenzene	5.00	4.70	94	70 - 130	
o-Xylene	5.00	4.67	93	80 - 120	
Styrene	5.00	4.39	88	65 - 135	
sec-Butylbenzene	5.00	4.69	94	70 - 125	
tert-Butylbenzene	5.00	4.55	91	70 - 130	
trans-1,2-Dichloroethene	5.00	4.54	91	60 - 140	
trans-1,3-Dichloropropene	5.00	4.45	89	55 - 140	
Tetrachloroethene	5.00	4.59	92	45 - 150	
Toluene	5.00	4.55	91	75 - 120	
Trichloroethene	5.00	4.59	92	70 - 125	
Trichlorofluoromethane	5.00	4.81	96	60 - 145	
Vinyl chloride	5.00	4.60	92	50 - 145	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	100	85 - 120
1,2-Dichloroethane-d4 (Surr)	83	70 - 120
4-Bromofluorobenzene (Surr)	89	75 - 120
Dibromofluoromethane (Surr)	90	85 - 115

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-30435-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-30435-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-126338					
LCS 280-126338/6	Lab Control Sample	T	Water	8260B/DoD	
MB 280-126338/7	Method Blank	T	Water	8260B/DoD	
280-30435-1	LFVM2348QA	T	Water	8260B/DoD	

Report Basis
T = Total

Client: FPM Remediations Inc

Job Number: 280-30435-1

Laboratory Chronicle

Lab ID: 280-30435-1 **Client ID:** LFVM2348QA

Sample Date/Time: 06/22/2012 12:00 Received Date/Time: 06/26/2012 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-30435-B-1		280-126338		07/02/2012 18:04	1	TAL DEN	MD
A:8260B/DoD	280-30435-B-1		280-126338		07/02/2012 18:04	1	TAL DEN	MD

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 280-126338/7		280-126338		07/02/2012 08:56	1	TAL DEN	MD
A:8260B/DoD	MB 280-126338/7		280-126338		07/02/2012 08:56	1	TAL DEN	MD

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-126338/6		280-126338		07/02/2012 08:34	1	TAL DEN	MD
A:8260B/DoD	LCS 280-126338/6		280-126338		07/02/2012 08:34	1	TAL DEN	MD

Lab References:
TAL DEN = TestAmerica Denver

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MV-2 Cleve_00012	10/28/12	04/28/12	P&T Methanol, Lot DE977	10 mL	MV-30265_00015	200 uL	2-Chloroethyl vinyl ether	40 ug/mL
.MV-30265_00015	01/31/16		RESTEK, Lot A079020		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
MV-524 A_00014	09/30/12	03/14/12	Methanol, Lot df233	10 mL	MV-DWM589N_00041	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-EPA1208_00027	400 uL	1-Chlorohexane	40 ug/mL
					MV-STS440_00035	200 uL	Methyl tert-butyl ether	40 ug/mL
.MV-DWM589N_00041	12/31/13	Ultra Scientific, Lot CG-3928			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-EPA1208_00027	10/31/12	Ultra Scientific, Lot CF-3752			(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
.MV-STS440_00035	01/31/15	Ultra, Lot cc-4444			(Purchased Reagent)		Methyl tert-butyl ether	2000 ug/mL
MV-624 A_00018	12/19/12	06/19/12	Methanol, Lot DF369	10 mL	MV-567117_00001	0.2 mL	Carbon disulfide	40 ug/mL
.MV-567117_00001	05/31/14	RESTEK, Lot A088372			(Purchased Reagent)		Carbon disulfide	2000 ug/mL
MV-Acetates_00001	09/30/12	06/21/12	P&T Methanol, Lot DG256	10 mL	MV-cus14016_00001	200 uL	Methyl acetate	200 ug/mL
.MV-cus14016_00001	09/30/12	ULTRA, Lot CJ-2028			(Purchased Reagent)		Methyl acetate	10000 ug/mL
MV-Archon IS_00519	11/04/12	Supelco, Lot LB88967			(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
MV-Archon SS_00657	12/11/12	Restek, Lot A087857			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
MV-Archon SS_00664	12/29/12	Restek, Lot A087857			(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
MV-Main GasKe_00029	06/22/12	05/22/12	P&T Methanol, Lot DF369	10 mL	MV- Acrolein_00010	100 uL	Acrolein	397.818 ug/mL
					MV-5M06036_00033	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-861149_00048	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
					MV-861149_00049	400 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
							Cyclohexanone	1600 ug/mL
.MV- Acrolein_00010	06/22/12	12/22/11	P&T Methanol, Lot De997	5 mL	MV-48501_00005	0.2038 g	Acrolein	39781.8 ug/mL
..MV-48501_00005	06/30/12	Supelco, Lot LB85669v			(Purchased Reagent)		Acrolein	0.976 mL/mL
.MV-5M06036_00033	11/30/12	Supelco, Lot LB86965			(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-861149_00048	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
.MV-861149_00049	11/30/13		Supelco, Lot LB85301		(Purchased Reagent)		2-Butanone (MEK)	2000 ug/mL
							2-Hexanone	2000 ug/mL
							4-Methyl-2-pentanone (MIBK)	2000 ug/mL
							Acetone	2000 ug/mL
							Cyclohexanone	20000 ug/mL
MV-Main GasKe_00031	07/30/12	05/22/12	P&T Methanol, Lot DF369	10 mL	MV-5M06036_00033	200 uL	Chloromethane	40 ug/mL
.MV-5M06036_00033	11/30/12		Supelco, Lot LB86965		(Purchased Reagent)		Chloromethane	2000 ug/mL
MV-Main_00023	06/30/12	01/25/12	P&T Methanol, Lot de997	10 mL	MV-1-Ch Hex_00008	10.2 uL	1-Chlorohexane	39.944 ug/mL
					MV-502111_00024	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloroethene, Total	80 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
							Xylenes, Total	120 ug/mL
					MV-506052_00025	200 uL	Iodomethane	40 ug/mL
					MV-861145_00020	200 uL	2-Chloro-1,3-butadiene	40 ug/mL
					MV-CUS11338_00029	500 uL	1,4-Dioxane	2000 ug/mL
							2-Methyl-2-propanol	800 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Isobutyl alcohol	800 ug/mL
							Isopropyl ether	200 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
					MV-CUS11338_00030	500 uL	1,4-Dioxane	2000 ug/mL
							2-Methyl-2-propanol	800 ug/mL
							Acetonitrile	400 ug/mL
							Acrylonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Isobutyl alcohol	800 ug/mL
							Isopropyl ether	200 ug/mL
							Methacrylonitrile	400 ug/mL
							Propionitrile	400 ug/mL
.MV-1-Ch Hex_00008	07/25/12	01/25/12	P&T Methanol, Lot dd946	5 mL	MV-442258_00002	0.196 g	1-Chlorohexane	39160.8 ug/mL
..MV-442258_00002	07/31/13		Supelco, Lot LB77927		(Purchased Reagent)		1-Chlorohexane	0.999 mL/mL
.MV-502111_00024	04/30/13		Supelco, Lot LB83949		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloroethene, Total	4000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	6000 ug/mL
.MV-506052_00025	01/31/13		Supelco, Lot LB89742				Iodomethane (Purchased Reagent)	10000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MV-861145_00020	06/30/12		Supelco, Lot LB85068		(Purchased Reagent)		2-Chloro-1,3-butadiene	2000 ug/mL
.MV-CUS11338_00029	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							2-Methyl-2-propanol	8000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Ethanol	20000 ug/mL
							Isobutyl alcohol	8000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	4000 ug/mL
							Propionitrile	4000 ug/mL
.MV-CUS11338_00030	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
							2-Methyl-2-propanol	8000 ug/mL
							Acetonitrile	4000 ug/mL
							Acrylonitrile	4000 ug/mL
							Ethanol	20000 ug/mL
							Isobutyl alcohol	8000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	4000 ug/mL
							Propionitrile	4000 ug/mL
MV-Main_00024	12/22/12	06/22/12	P&T Methanol, Lot dg256	10 mL	MV-1-Ch Hex_00009	10 uL	1-Chlorohexane	40.999 ug/mL
					MV-502111_00025	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	80 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-CUS11338_00033	500 uL	1,4-Dioxane	2000 ug/mL
					MV-CUS11338_00034	500 uL	1,4-Dioxane	2000 ug/mL
.MV-1-Ch Hex_00009	12/22/12	06/22/12	P&T Methanol, Lot dg256	5 mL	MV-442258_00003	0.2052 g	1-Chlorohexane	40999 ug/mL
..MV-442258_00003	11/30/14		Supelco, Lot LB89038v		(Purchased Reagent)		1-Chlorohexane	0.999 mL/mL
.MV-502111_00025	04/30/13		Supelco, Lot LB83949		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	4000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-CUS11338_00033	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
.MV-CUS11338_00034	11/30/13		Ultra, Lot CH-3475		(Purchased Reagent)		1,4-Dioxane	20000 ug/mL
MV-SecSrc B_00007	10/18/12	04/18/12	P&T Methanol, Lot df233	5 mL	MV-8240CR310x_00014	100 uL	1,4-Dioxane	800 ug/mL
.MV-8240CR310x_00014	10/25/13		AccuStandard, Lot 210041266		(Purchased Reagent)		1,4-Dioxane	40000 ug/mL
MV-SS GasKe_00020	12/01/12	06/01/12	P&T Methanol, Lot De997	10 mL	MV-30006_00035	320 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-5s06036_00018	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MV-30006_00035	04/30/14		Restek, Lot A079446		(Purchased Reagent)		2-Butanone (MEK)	5000 ug/mL
							2-Hexanone	5000 ug/mL
							4-Methyl-2-pentanone (MIBK)	5000 ug/mL
							Acetone	5000 ug/mL
.MV-5s06036_00018	02/28/15		Supelco, Lot LB92231		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MV-SS Supp_00011	05/20/12	02/17/12	P&T Methanol, Lot de997	5 mL	MV-562811_00013	100 uL	Methyl acetate	200 ug/mL
					MV-564150_00011	100 uL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
.MV-562811_00013	07/31/13		RESTEK, Lot A086189		(Purchased Reagent)		Methyl acetate	10000 ug/mL
.MV-564150_00011	05/30/12		RESTEK, Lot A081643		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
MV-Supp Std_00023	12/19/12	05/17/12	P&T Methanol, Lot DF700	10 mL	MV-562811_00013	200 uL	Ethyl acetate	80 ug/mL
							Methyl acetate	200 ug/mL
							Vinyl acetate	80 ug/mL
					MV-564150_00012	200 uL	1,1,1-Trifluoro-2,2-dichloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							2-Nitropropane	40 ug/mL
							2-Pentanone	160 ug/mL
							3-Chloro-1-propene	40 ug/mL
							Carbon disulfide	40 ug/mL
							cis-1,4-Dichloro-2-butene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dichlorofluoromethane	40 ug/mL
							Ethyl ether	40 ug/mL
							Ethyl methacrylate	80 ug/mL
							Hexane	40 ug/mL
							Isopropyl alcohol	800 ug/mL
							Methyl methacrylate	80 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							Tert-amyl methyl ether	200 ug/mL
							Tert-butyl ethyl ether	200 ug/mL
							Tetrahydrofuran	80 ug/mL
							trans-1,4-Dichloro-2-butene	40 ug/mL
					MV-565364_00010	1000 uL	Propene oxide	2000 ug/mL
					MV-565364_00012	1000 uL	Propene oxide	2000 ug/mL
					MV-CUS13060_00013	240 uL	sec-Butyl Alcohol	1205.76 ug/mL
.MV-562811_00013	07/31/13		RESTEK, Lot A086189		(Purchased Reagent)		Ethyl acetate	4000 ug/mL
							Methyl acetate	10000 ug/mL
							Vinyl acetate	4000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MV-564150_00012	01/30/13		RESTEK, Lot A086228		(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							2-Nitropropane	2000 ug/mL
							2-Pentanone	8000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							cis-1,4-Dichloro-2-butene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	4000 ug/mL
							Hexane	2000 ug/mL
							Isopropyl alcohol	40000 ug/mL
							Methyl methacrylate	4000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Tert-amyl methyl ether	10000 ug/mL
							Tert-butyl ethyl ether	10000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
.MV-565364_00010	02/28/13		RESTEK, Lot A086529		(Purchased Reagent)		Propene oxide	10000 ug/mL
.MV-565364_00012	02/28/13		RESTEK, Lot A086529		(Purchased Reagent)		Propene oxide	10000 ug/mL
.MV-CUS13060_00013	05/31/13		Ultra, Lot CH-1383		(Purchased Reagent)		sec-Butyl Alcohol	50240 ug/mL
MV-Supp Std_00025	10/02/12	06/19/12	P&T Methanol, Lot DF700	10 mL	MV-CUS14015_00001	200 uL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							Carbon disulfide	40 ug/mL
							Cyclohexane	40 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
.MV-CUS14015_00001	07/31/13		Ultra, Lot CJ-2219		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB LF6 LTM

TestAmerica Job ID: 280-30435-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alabama	State Program	4	40730
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAC	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAC	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAC	7	E-10166
TestAmerica Denver	Louisiana	NELAC	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAC	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Jersey	NELAC	2	CO004
TestAmerica Denver	New Mexico	State Program	6	N/A
TestAmerica Denver	New York	NELAC	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAC	10	CO200001
TestAmerica Denver	Pennsylvania	NELAC	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Tennessee	State Program	4	TN02944
TestAmerica Denver	Texas	NELAC	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-08-00036
TestAmerica Denver	Utah	NELAC	8	QUAN5
TestAmerica Denver	Virginia	NELAC Secondary AB	3	
TestAmerica Denver	Washington	State Program	10	C1284
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
LFVM2348QA	280-30435-1	89	83	96	91
	MB 280-126338/7	91	86	106	98
	LCS 280-126338/6	90	83	100	89

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6862.D

Lab ID: LCS 280-126338/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	4.44	89	80-130	
1,1,1-Trichloroethane	5.00	4.14	83	65-130	
1,2,3-Trichloropropane	5.00	4.69	94	75-125	
1,2,3-Trichlorobenzene	5.00	4.45	89	55-140	
1,1-Dichloroethane	5.00	4.55	91	70-135	
1,2,4-Trichlorobenzene	5.00	4.42	88	65-135	
1,2-Dibromo-3-Chloropropane	5.00	4.42 J	88	50-130	
1,1-Dichloropropene	5.00	4.53	91	75-130	
1,1-Dichloroethene	5.00	4.74	95	70-130	
1,1,2-Trichloroethane	5.00	4.67	93	75-125	
1,1,2,2-Tetrachloroethane	5.00	4.55	91	65-130	
1,2,4-Trimethylbenzene	5.00	4.42	88	75-130	
1,2-Dichlorobenzene	5.00	4.59	92	70-120	
1,2-Dichloroethane	5.00	4.76	95	70-130	
1,3-Dichlorobenzene	5.00	4.60	92	75-125	
1,3-Dichloropropane	5.00	4.55	91	75-125	
1,3,5-Trimethylbenzene	5.00	4.51	90	75-130	
2-Butanone (MEK)	20.0	28.0	140	30-150	
1,4-Dichlorobenzene	5.00	4.58	92	75-125	
1,2-Dichloropropane	5.00	4.61	92	75-125	
2,2-Dichloropropane	5.00	4.36	87	70-135	
2-Hexanone	20.0	22.4	112	55-130	
4-Methyl-2-pentanone (MIBK)	20.0	22.0	110	60-135	
4-Isopropyltoluene	5.00	4.53	91	75-130	
Benzene	5.00	4.47	89	80-120	
Acetone	20.0	23.2	116	40-140	
Bromobenzene	5.00	4.60	92	75-125	
Bromoform	5.00	4.55	91	70-130	
Bromomethane	5.00	4.95	99	30-145	
Carbon tetrachloride	5.00	4.29	86	65-140	
Carbon disulfide	5.00	4.43	89	35-160	
2-Chlorotoluene	5.00	4.70	94	75-125	
4-Chlorotoluene	5.00	4.80	96	75-130	
Chlorobenzene	5.00	4.48	90	80-120	
Chlorobromomethane	5.00	4.47	89	65-130	
Chlorodibromomethane	5.00	4.49	90	60-135	
Chloroform	5.00	4.23	85	65-135	
Chloroethane	5.00	4.41	88	60-135	
Chloromethane	5.00	4.55	91	40-125	
cis-1,2-Dichloroethene	5.00	4.52	90	70-125	
cis-1,3-Dichloropropene	5.00	4.38	88	70-130	
Dibromomethane	5.00	4.48	90	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Matrix: Water Level: Low Lab File ID: RR6862.D

Lab ID: LCS 280-126338/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorobromomethane	5.00	4.31	86	75-120	
Dichlorodifluoromethane	5.00	4.47	89	30-155	
Ethylbenzene	5.00	4.75	95	75-125	
Hexachlorobutadiene	5.00	4.29	86	50-140	
Isopropylbenzene	5.00	4.60	92	75-125	
Ethylene Dibromide	5.00	4.55	91	80-120	
Methylene Chloride	5.00	4.55 J	91	55-140	
Methyl tert-butyl ether	5.00	4.29 J	86	65-125	
m-Xylene & p-Xylene	10.0	9.26	93	75-130	
Naphthalene	5.00	4.29	86	55-140	
n-Butylbenzene	5.00	4.65	93	70-135	
N-Propylbenzene	5.00	4.70	94	70-130	
o-Xylene	5.00	4.67	93	80-120	
Styrene	5.00	4.39	88	65-135	
sec-Butylbenzene	5.00	4.69	94	70-125	
tert-Butylbenzene	5.00	4.55	91	70-130	
trans-1,2-Dichloroethene	5.00	4.54	91	60-140	
trans-1,3-Dichloropropene	5.00	4.45	89	55-140	
Tetrachloroethene	5.00	4.59	92	45-150	
Toluene	5.00	4.55	91	75-120	
Trichloroethene	5.00	4.59	92	70-125	
Trichlorofluoromethane	5.00	4.81	96	60-145	
Vinyl chloride	5.00	4.60	92	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Lab File ID: RR6863.D Lab Sample ID: MB 280-126338/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: MSV_R2 Date Analyzed: 07/02/2012 08:56

GC Column: DB-624 (60.25) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-126338/6	RR6862.D	07/02/2012 08:34
LFVM2348QA	280-30435-1	RR6887.D	07/02/2012 18:04

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Lab File ID: RR6351.D BFB Injection Date: 06/14/2012

Instrument ID: MSV_R2 BFB Injection Time: 06:38

Analysis Batch No.: 124040

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	49.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.0	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	96.7	
175	5.0 - 9.0 % of mass 174	7.5	(7.7)1
176	95.0 - 101.0 % of mass 174	95.8	(99.1)1
177	5.0 - 9.0 % of mass 176	7.7	(8.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-124040/3	RR6354.D	06/14/2012	07:32
	IC 280-124040/4	RR6355.D	06/14/2012	07:54
	IC 280-124040/5	RR6356.D	06/14/2012	08:17
	ICIS 280-124040/6	RR6357.D	06/14/2012	08:39
	IC 280-124040/7	RR6358.D	06/14/2012	09:01
	IC 280-124040/8	RR6359.D	06/14/2012	09:23
	ICV 280-124040/9	RR6360.D	06/14/2012	09:46

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Lab File ID: RR6385.D BFB Injection Date: 06/15/2012

Instrument ID: MSV_R2 BFB Injection Time: 06:43

Analysis Batch No.: 124226

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.3	
75	30.0 - 60.0 % of mass 95	49.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.2	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	100.0	
175	5.0 - 9.0 % of mass 174	7.4	(7.4)1
176	95.0 - 101.0 % of mass 174	95.0	(95.0)1
177	5.0 - 9.0 % of mass 176	7.3	(7.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-124226/3	RR6388.D	06/15/2012	07:37
	IC 280-124226/4	RR6389.D	06/15/2012	08:00
	IC 280-124226/5	RR6390.D	06/15/2012	08:22
	IC 280-124226/6	RR6391.D	06/15/2012	08:45
	IC 280-124226/7	RR6392.D	06/15/2012	09:07
	IC 280-124226/8	RR6393.D	06/15/2012	09:30
	IC 280-124226/9	RR6394.D	06/15/2012	09:52
	ICV 280-124226/10	RR6395.D	06/15/2012	10:15
	ICV 280-124226/11	RR6396.D	06/15/2012	10:37
	ICV 280-124226/12	RR6397.D	06/15/2012	11:00
	ICV 280-124226/13	RR6398.D	06/15/2012	11:22

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Lab File ID: RR6855.D BFB Injection Date: 07/02/2012

Instrument ID: MSV_R2 BFB Injection Time: 06:11

Analysis Batch No.: 126338

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.1	
75	30.0 - 60.0 % of mass 95	46.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	101.5	
175	5.0 - 9.0 % of mass 174	7.4	(7.3)1
176	95.0 - 101.0 % of mass 174	101.5	(99.9)1
177	5.0 - 9.0 % of mass 176	6.8	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-126338/2	RR6857.D	07/02/2012	06:43
	CCV 280-126338/3	RR6859.D	07/02/2012	07:27
	CCV 280-126338/4	RR6860.D	07/02/2012	07:49
	LCS 280-126338/6	RR6862.D	07/02/2012	08:34
	MB 280-126338/7	RR6863.D	07/02/2012	08:56
LFVM2348QA	280-30435-1	RR6887.D	07/02/2012	18:04

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Sample No.: ICIS 280-124040/6 Date Analyzed: 06/14/2012 08:39

Instrument ID: MSV_R2 GC Column: DB-624 (60.25) ID: 0.25(mm)

Lab File ID (Standard): RR6357.D Heated Purge: (Y/N) N

Calibration ID: 9710

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		976634	8.56	189086	11.43	271569	14.04
UPPER LIMIT		1953268	9.06	378172	11.93	543138	14.54
LOWER LIMIT		488317	8.06	94543	10.93	135785	13.54
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-124040/9		995420	8.56	212474	11.43	296826	14.05
ICV 280-124226/10		1228623	8.56	256376	11.43	350169	14.05
ICV 280-124226/11		1172093	8.57	246742	11.44	371869	14.05
ICV 280-124226/12		1169423	8.57	236834	11.44	347912	14.05
ICV 280-124226/13		1038187	8.56	220666	11.44	311462	14.05
CCV 280-126338/2		1468900	8.56	311657	11.43	472261	14.05
CCV 280-126338/3		1517888	8.57	302470	11.44	421263	14.05
CCV 280-126338/4		1306497	8.56	262206	11.43	368815	14.04
LCS 280-126338/6		1213193	8.56	248180	11.43	378219	14.05
MB 280-126338/7		1175315	8.57	235446	11.44	322611	14.04
280-30435-1	LFVM2348QA	1059026	8.57	217650	11.44	299226	14.05

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30435-1

SDG No.:

Client Sample ID: LFVM2348QA | Lab Sample ID: 280-30435-1

Matrix: Water | Lab File ID: RR6887.D

Analysis Method: 8260B/DoD | Date Collected: 06/22/2012 12:00

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 18:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30435-1

SDG No.:

Client Sample ID: LFVM2348QA | Lab Sample ID: 280-30435-1

Matrix: Water | Lab File ID: RR6887.D

Analysis Method: 8260B/DoD | Date Collected: 06/22/2012 12:00

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 18:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Client Sample ID: LFVM2348QA Lab Sample ID: 280-30435-1

Matrix: Water Lab File ID: RR6887.D

Analysis Method: 8260B/DoD Date Collected: 06/22/2012 12:00

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 18:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		70-120
460-00-4	4-Bromofluorobenzene (Surr)	91		75-120
1868-53-7	Dibromofluoromethane (Surr)	89		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6887.D
Lab Smp Id: 280-30435-B-1 Client Smp ID: LFVM2348QA
Inj Date : 02-JUL-2012 18:04
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : 280-30435-b-1,,PH<2 RR
Misc Info : 280-30435-B-1
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
*	62 Fluorobenzene	96	8.566	8.566	(1.000)	1059026	12.5000	
*	88 Chlorobenzene-d5	119	11.436	11.435	(1.000)	217650	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.049	14.049	(1.000)	299226	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.964	7.964	(0.930)	369910	10.0657	10.0657
$	58 1,2-Dichloroethane-d4	65	8.290	8.290	(0.968)	227175	9.30527	9.30527
$	76 Toluene-d8	98	9.956	9.956	(0.871)	1158464	10.7648	10.7648
$	99 4-Bromofluorobenzene (Surr)	95	12.747	12.737	(0.907)	319381	10.1944	10.1944
M	2 1,2-Dichloroethene (total)	96	Compound Not Detected.					
M	3 Xylene (total)	106	Compound Not Detected.					
	7 dichlorodifluoromethane	85	Compound Not Detected.					
	8 1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
	9 Chloromethane	50	Compound Not Detected.					
	10 Vinyl Chloride	62	Compound Not Detected.					
	11 Ethylene Oxide	43	Compound Not Detected.					
	12 Bromomethane	94	Compound Not Detected.					
	13 Chloroethane	64	Compound Not Detected.					
	14 Dichlorofluoromethane	67	Compound Not Detected.					
	15 Trichlorofluoromethane	101	Compound Not Detected.					
	16 Ethanol	45	Compound Not Detected.					
	17 1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
	19 Ethyl Ether	59	Compound Not Detected.					
	20 2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

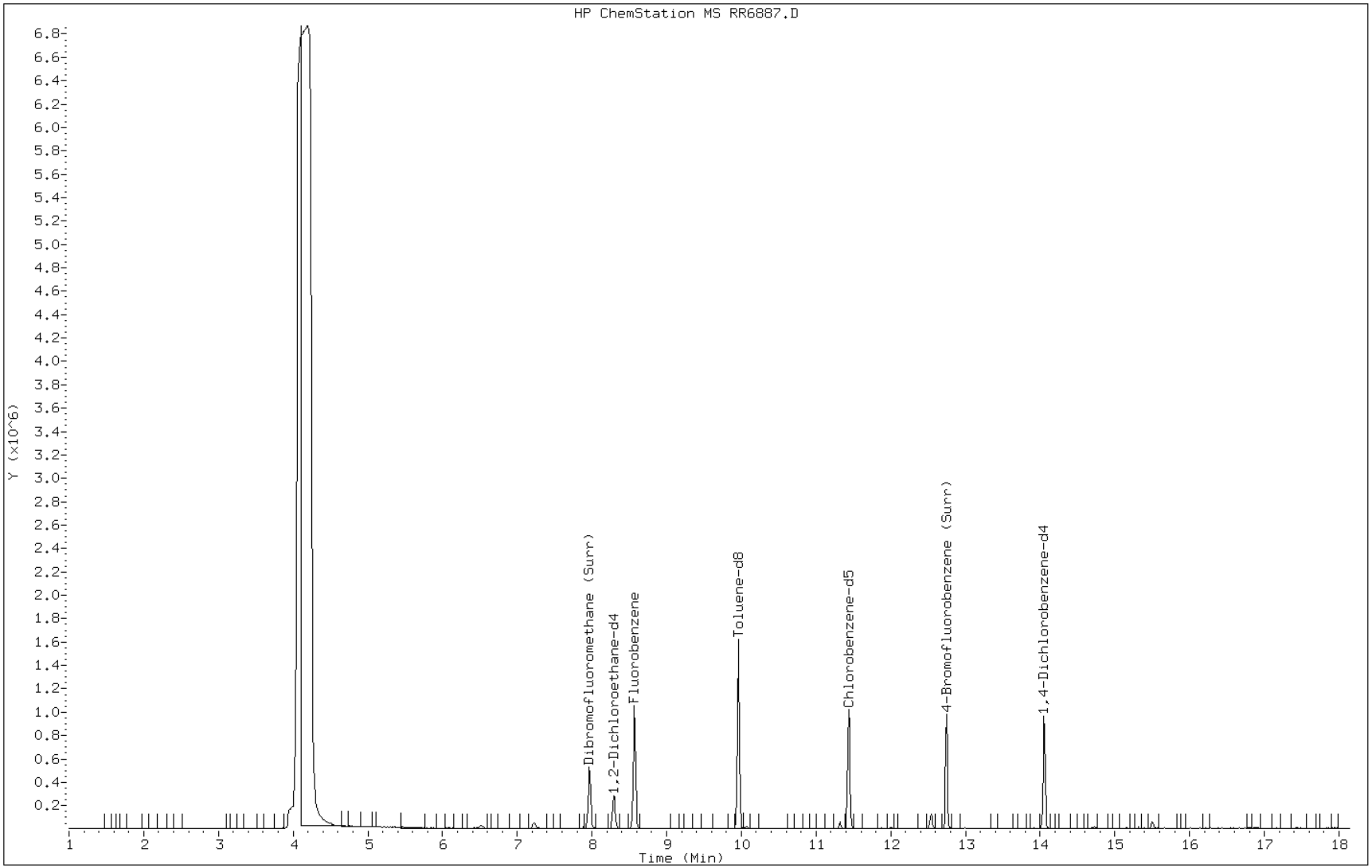
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR6887.D

Date: 02-JUL-2012 18:04

Client ID: LFVM2348QA Instrument: R2.i

Sample Info: 280-30435-b-1,,PH<2 RR Operator: DOBRANSKYM



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30435-1 Analy Batch No.: 124040

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2012 07:32 Calibration End Date: 06/14/2012 09:23 Calibration ID: 9710

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-124040/3	RR6354.D
Level 2	IC 280-124040/4	RR6355.D
Level 3	IC 280-124040/5	RR6356.D
Level 4	ICIS 280-124040/6	RR6357.D
Level 5	IC 280-124040/7	RR6358.D
Level 6	IC 280-124040/8	RR6359.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorofluoromethane	0.6923 0.7075	0.6806	0.8073	0.7340	0.6916	Ave		0.7189				6.6		15.0			
Ethyl ether	0.1126 0.1254	0.1153	0.1356	0.1183	0.1183	Ave		0.1209				6.9		15.0			
Isopropyl alcohol	0.0047 0.0047	0.0045	0.0053	0.0047	0.0045	Ave		0.0047				5.7		15.0			
2,2-Dichloro-1,1,1-trifluoroethane	0.5296 0.5319	0.5482	0.6026	0.5570	0.5313	Ave		0.5501				5.1		15.0			
Propene oxide	0.0160 0.0193	0.0171	0.0195	0.0188	0.0176	Ave		0.0181				7.6		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2878 0.2866	0.2808	0.3211	0.2932	0.2824	Ave		0.2920				5.1		15.0			
Methyl acetate	0.0598 0.0611	0.0597	0.0663	0.0603	0.0570	Ave		0.0607				5.0		15.0			
Allyl chloride	0.4631 0.4648	0.4655	0.5335	0.4922	0.4653	Ave		0.4807				5.8		15.0			
Carbon disulfide	1.2780 1.3338	1.2982	1.5128	1.3917	1.3211	Ave		1.3559				6.3		15.0			
Tetrahydrofuran	+++++ 0.0211	0.0200	0.0229	0.0209	0.0192	Ave		0.0208				6.8		15.0			
Methyl tert-butyl ether	0.3007 0.3712	0.3033	0.3618	0.3446	0.3382	Ave		0.3366				8.7		15.0			
Hexane	+++++ 2.0708	2.2896	2.6803	2.4758	2.1636	Ave		2.3360				10.5		15.0			
Vinyl acetate	0.2313 0.2606	0.2312	0.2692	0.2527	0.2422	Ave		0.2479				6.3		15.0			
Tert-butyl ethyl ether	0.5008 0.6249	0.5250	0.6088	0.5800	0.5699	Ave		0.5682				8.4		15.0			
Ethyl acetate	0.1016 0.0982	0.1022	0.0928	0.0805	0.0911	Ave		0.0944				8.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30435-1 Analy Batch No.: 124040

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2012 07:32 Calibration End Date: 06/14/2012 09:23 Calibration ID: 9710

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Butanol	0.0046 0.0057	0.0047	0.0057	0.0055	0.0051	Ave		0.0052				9.1		15.0			
Cyclohexane	0.5462 0.5401	0.5392	0.6042	0.5597	0.5551	Ave		0.5574				4.4		15.0			
Tert-amyl methyl ether	0.3495 0.4615	0.3681	0.4316	0.4108	0.4108	Ave		0.4054				10.1		15.0			
2-Pentanone	0.0695 0.0614	0.0713	0.0602	0.0566	0.0620	Ave		0.0635				8.9		15.0			
Methyl methacrylate	0.0171 0.0255	0.0207	0.0222	0.0207	0.0223	Ave		0.0214				12.7		15.0			
Methylcyclohexane	0.4742 0.4680	0.4821	0.5372	0.4900	0.4816	Ave		0.4888				5.1		15.0			
2-Chloroethyl vinyl ether	0.0519 0.0716	0.0529	0.0556	0.0561	0.0615	Ave		0.0583				12.6		15.0			
2-Nitropropane	+++++ 0.0250	0.0194	0.0229	0.0209	0.0217	Ave		0.0220				9.5		15.0			
Ethyl methacrylate	0.5277 0.6831	0.5483	0.6467	0.6415	0.6492	Ave		0.6161				10.2		15.0			
cis-1,4-Dichloro-2-butene	+++++ 0.1221	0.0970	0.1118	0.1119	0.1119	Ave		0.1110				8.1		15.0			
trans-1,4-Dichloro-2-butene	0.0631 0.1056	0.0756	0.1039	0.0991	0.0968	Lin1	0.0335	0.1041							0.9981		0.9900
Dibromofluoromethane (Surr)	+++++ 0.3860	0.7017	0.5226	0.4420	0.3795	Lin2	-0.150	0.3655							0.9972		0.9900
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2691	0.4452	0.3454	0.2892	0.2478	Lin	-0.111	0.2506							0.9932		
Toluene-d8 (Surr)	+++++ 5.3025	10.718	7.8350	6.7100	5.5649	Lin1	-0.199	5.0212							0.9962		0.9900
4-Bromofluorobenzene (Surr)	+++++ 1.1156	2.2349	1.6138	1.3091	1.1912	Lin2	-0.175	1.0774							0.9978		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30435-1 Analy Batch No.: 124040

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2012 07:32 Calibration End Date: 06/14/2012 09:23 Calibration ID: 9710

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-124040/3	RR6354.D
Level 2	IC 280-124040/4	RR6355.D
Level 3	IC 280-124040/5	RR6356.D
Level 4	ICIS 280-124040/6	RR6357.D
Level 5	IC 280-124040/7	RR6358.D
Level 6	IC 280-124040/8	RR6359.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorofluoromethane	FB	Ave	65385 3377999	116677	323170	573495	1731366	1.00 60.0	2.00	5.00	10.0	30.0
Ethyl ether	FB	Ave	10632 598821	19767	54260	92394	296094	1.00 60.0	2.00	5.00	10.0	30.0
Isopropyl alcohol	FB	Ave	8885 450596	15451	42061	74213	226935	20.0 1200	40.0	100	200	600
2,2-Dichloro-1,1,1-trifluoroethane	FB	Ave	50021 2539571	93968	241209	435152	1330004	1.00 60.0	2.00	5.00	10.0	30.0
Propene oxide	FB	Ave	75755 4608379	146404	391005	735644	2209218	50.0 3000	100	250	500	1500
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	27185 1368632	48127	128518	229085	706955	1.00 60.0	2.00	5.00	10.0	30.0
Methyl acetate	FB	Ave	28260 1458495	51199	132610	235605	713204	5.00 300	10.0	25.0	50.0	150
Allyl chloride	FB	Ave	43741 2219226	79804	213533	384568	1164794	1.00 60.0	2.00	5.00	10.0	30.0
Carbon disulfide	FB	Ave	120707 6368567	222539	605561	1087335	3307190	1.00 60.0	2.00	5.00	10.0	30.0
Tetrahydrofuran	FB	Ave	+++++ 201395	6859	18349	32648	95894	+++++ 120	4.00	10.0	20.0	60.0
Methyl tert-butyl ether	FB	Ave	28397 1772366	51987	144825	269274	846631	1.00 60.0	2.00	5.00	10.0	30.0
Hexane	CBZ	Ave	+++++ 2144701	80267	212445	374513	1156013	+++++ 60.0	2.00	5.00	10.0	30.0
Vinyl acetate	FB	Ave	43699 2488215	79265	215526	394883	1212588	2.00 120	4.00	10.0	20.0	60.0
Tert-butyl ethyl ether	FB	Ave	236500 14918883	449958	1218502	2265888	7133532	5.00 300	10.0	25.0	50.0	150
Ethyl acetate	FB	Ave	19198 937859	35047	74329	125753	456266	2.00 120	4.00	10.0	20.0	60.0
2-Butanol	FB	Ave	13078 814851	24405	68501	128626	386006	30.0 1800	60.0	150	300	900

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30435-1 Analy Batch No.: 124040

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/14/2012 07:32 Calibration End Date: 06/14/2012 09:23 Calibration ID: 9710

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Cyclohexane	FB	Ave	51587 2578788	92439	241833	437316	1389724	1.00 60.0	2.00	5.00	10.0	30.0
Tert-amyl methyl ether	FB	Ave	165029 11016897	315492	863742	1604846	5141813	5.00 300	10.0	25.0	50.0	150
2-Pentanone	FB	Ave	26247 1173486	48883	96353	177017	620974	4.00 240	8.00	20.0	40.0	120
Methyl methacrylate	FB	Ave	3236 243050	7087	17795	32297	111466	2.00 120	4.00	10.0	20.0	60.0
Methylcyclohexane	FB	Ave	44783 2234675	82646	215016	382820	1205776	1.00 60.0	2.00	5.00	10.0	30.0
2-Chloroethyl vinyl ether	FB	Ave	4906 341903	9072	22261	43816	153949	1.00 60.0	2.00	5.00	10.0	30.0
2-Nitropropane	FB	Ave	+++++ 119190	3328	9163	16318	54331	+++++ 60.0	2.00	5.00	10.0	30.0
Ethyl methacrylate	CBZ	Ave	20256 1414991	38443	102513	194068	693717	2.00 120	4.00	10.0	20.0	60.0
cis-1,4-Dichloro-2-butene	DCB	Ave	+++++ 185188	4680	12457	24314	82955	+++++ 60.0	2.00	5.00	10.0	30.0
trans-1,4-Dichloro-2-butene	DCB	Lin1	1666 160219	3648	11575	21524	71771	1.00 60.0	2.00	5.00	10.0	30.0
Dibromofluoromethane (Surr)	FB	Lin2	+++++ 921546	120280	209196	345366	633338	+++++ 30.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Lin	+++++ 642490	76316	138275	225969	413489	+++++ 30.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Lin1	+++++ 2745828	375729	621012	1015019	1982197	+++++ 30.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene (Surr)	DCB	Lin2	+++++ 845979	107774	179805	284413	588778	+++++ 30.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6354.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 07:32
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 1.0 5uL 190x LOT:DF700
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.560	8.561	(1.000)	1180587	12.5000	
*	88 Chlorobenzene-d5	119	11.430	11.431	(1.000)	239897	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.043	14.044	(1.000)	330049	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.968	7.959	(0.931)	127148	1.00000	1.80416
$	58 1,2-Dichloroethane-d4	65	8.294	8.285	(0.969)	81124	1.00000	2.03365
$	76 Toluene-d8	98	9.951	9.951	(0.871)	408290	1.00000	1.75144
$	99 4-Bromofluorobenzene (Surr)	95	12.741	12.742	(0.907)	113421	1.00000	1.79764
	11 Ethylene Oxide	43	5.207	5.198	(0.608)	61454	125.000	132.929(Q)
	14 Dichlorofluoromethane	67	5.543	5.534	(0.648)	65385	1.00000	0.962998(a)
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.809	5.810	(0.679)	32221	1.00000	0.983219(a)
	21 Propylene Oxide	58	5.927	5.908	(0.692)	75755	50.0000	44.3786
	19 Ethyl Ether	59	5.799	5.790	(0.677)	10632	1.00000	0.931136(a)
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.858	5.849	(0.684)	50021	1.00000	0.962807(a)
	23 Trichlorotrifluoroethane	151	6.105	6.096	(0.713)	27185	1.00000	0.985794(a)
	18 2-propanol	45	5.809	5.790	(0.679)	8885	20.0000	19.8297
	27 Methyl Acetate	43	6.351	6.332	(0.742)	28260	5.00000	4.92921
	29 Allyl Chloride	41	6.410	6.391	(0.749)	43741	1.00000	0.963382(a)
	30 Carbon Disulfide	76	6.420	6.411	(0.750)	120707	1.00000	0.942555(a)
	34 Methyl t-butyl ether	73	6.696	6.687	(0.782)	28397	1.00000	0.893172(a)
	36 Hexane	57	6.913	6.904	(0.605)	43310	1.00000	0.966038(a)
	37 Vinyl acetate	43	7.041	7.023	(0.823)	43699	2.00000	1.86666(a)
	41 ETBE	59	7.357	7.348	(0.859)	236500	5.00000	4.40670
	42 Ethyl Acetate	43	7.515	7.496	(0.878)	19198	2.00000	2.15282

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44	2-Butanol	45	7.574	7.565	(0.885)	13078	30.0000	26.4747
51	Tetrahydrofuran	42	Compound Not Detected.					
55	Cyclohexane	56	8.126	8.127	(0.949)	51587	1.00000	0.979869(a)
59	TAME	73	8.343	8.344	(0.975)	165029	5.00000	4.31053
65	2-Pentanone	43	8.935	8.926	(1.044)	26247	4.00000	4.37597
67	Methyl Cyclohexane	55	9.083	9.084	(1.061)	44783	1.00000	0.969960(a)
66	Methyl Methacrylate	100	9.024	9.024	(1.054)	3236	2.00000	1.60090
73	2-nitropropane	41	9.477	9.478	(1.107)	1243	1.00000	0.599006(aQ)
72	2-Chloroethyl vinyl ether	63	9.467	9.458	(1.106)	4906	1.00000	0.891342(a)
78	Ethyl methacrylate	69	10.118	10.119	(0.885)	20256	2.00000	1.71318
85	Tetrahydrothiophene	60	10.868	10.859	(0.951)	2625	1.00000	1.53173
97	cis-1,4-dichloro-2-butene	53	12.564	12.574	(0.895)	2335	1.00000	0.797042(a)
101	t-1,4-Dichloro-2-butene	53	12.869	12.870	(0.916)	1666	1.00000	1.02444
115	1,2,3-Trimethylbenzene	105	14.082	14.083	(1.003)	77770	1.00000	0.944851(a)
119	Tetralin	104	Compound Not Detected.					

QC Flag Legend

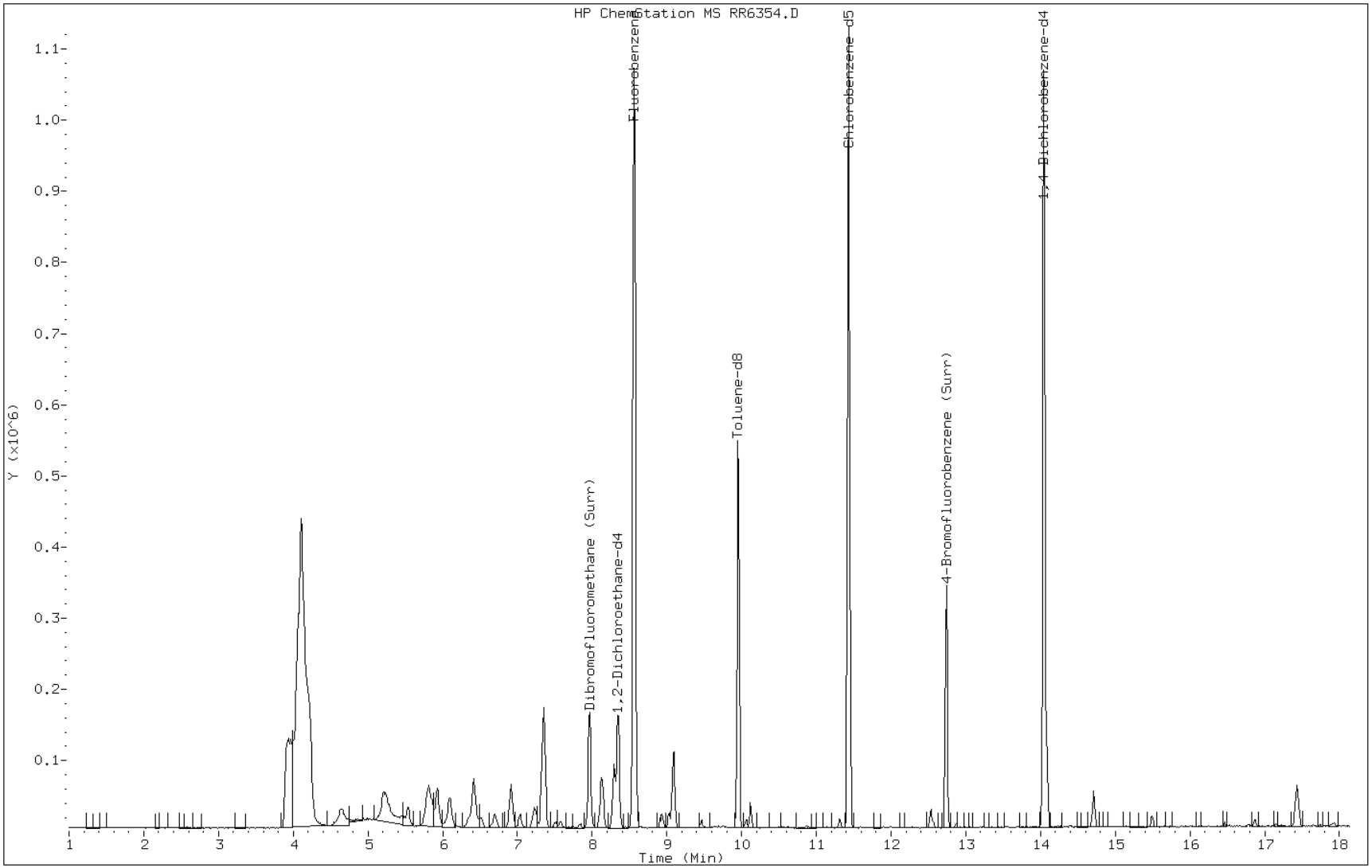
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6354.D

Date: 14-JUN-2012 07:32

Client ID: Instrument: R2.i

Sample Info: IC,,S 1.0 5uL 190x LOT:DF700 Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6355.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 07:54
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 2.0 10uL 10x
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.559	8.561	(1.000)	1071390	12.5000	
* 88	Chlorobenzene-d5	119	11.429	11.431	(1.000)	219106	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.042	14.044	(1.000)	301399	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.968	7.959	(0.931)	120280	2.00000	1.96031
$ 58	1,2-Dichloroethane-d4	65	8.293	8.285	(0.969)	76316	2.00000	2.15913
$ 76	Toluene-d8	98	9.960	9.951	(0.871)	375729	2.00000	1.78353
$ 99	4-Bromofluorobenzene (Surr)	95	12.741	12.742	(0.907)	107774	2.00000	1.95927
11	Ethylene Oxide	43	5.226	5.198	(0.611)	104738	250.000	249.646(Q)
14	Dichlorofluoromethane	67	5.542	5.534	(0.647)	116677	2.00000	1.89358
17	1,2-dichloro-1,1,2-trifluoroe	117	5.808	5.810	(0.679)	59377	2.00000	1.99655
21	Propylene Oxide	58	5.927	5.908	(0.692)	146404	100.000	94.5075
19	Ethyl Ether	59	5.798	5.790	(0.677)	19767	2.00000	1.90761
20	2,2-dichloro-1,1,1-trifluoroe	83	5.848	5.849	(0.683)	93968	2.00000	1.99305
23	Trichlorotrifluoroethane	151	6.094	6.096	(0.712)	48127	2.00000	1.92307
18	2-propanol	45	5.798	5.790	(0.677)	15451	40.0000	37.9985
27	Methyl Acetate	43	6.351	6.332	(0.742)	51199	10.0000	9.84050
29	Allyl Chloride	41	6.400	6.391	(0.748)	79804	2.00000	1.93680
30	Carbon Disulfide	76	6.420	6.411	(0.750)	222539	2.00000	1.91483
34	Methyl t-butyl ether	73	6.696	6.687	(0.782)	51987	2.00000	1.80180
36	Hexane	57	6.913	6.904	(0.605)	80267	2.00000	1.96026
37	Vinyl acetate	43	7.041	7.023	(0.823)	79265	4.00000	3.73100
41	ETBE	59	7.347	7.348	(0.858)	449958	10.0000	9.23857
42	Ethyl Acetate	43	7.504	7.496	(0.877)	35047	4.00000	4.33064

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44	2-Butanol	45	7.573	7.565	(0.885)	24405	60.0000	54.4402
51	Tetrahydrofuran	42	7.840	7.841	(0.916)	6859	4.00000	3.84508
55	Cyclohexane	56	8.126	8.127	(0.949)	92439	2.00000	1.93479
59	TAME	73	8.343	8.344	(0.975)	315492	10.0000	9.08048
65	2-Pentanone	43	8.934	8.926	(1.044)	48883	8.00000	8.98054
67	Methyl Cyclohexane	55	9.092	9.084	(1.062)	82646	2.00000	1.97248
66	Methyl Methacrylate	100	9.023	9.024	(1.054)	7087	4.00000	3.86338(Q)
73	2-nitropropane	41	9.477	9.478	(1.107)	3328	2.00000	1.76723(Q)
72	2-Chloroethyl vinyl ether	63	9.457	9.458	(1.105)	9072	2.00000	1.81623
78	Ethyl methacrylate	69	10.118	10.119	(0.885)	38443	4.00000	3.55989
85	Tetrahydrothiophene	60	10.867	10.859	(0.951)	5451	2.00000	2.04644
97	cis-1,4-dichloro-2-butene	53	12.573	12.574	(0.895)	4680	2.00000	1.74935
101	t-1,4-Dichloro-2-butene	53	12.869	12.870	(0.916)	3648	2.00000	1.87145
115	1,2,3-Trimethylbenzene	105	14.082	14.083	(1.003)	141644	2.00000	1.88446
119	Tetralin	104	Compound Not Detected.					

QC Flag Legend

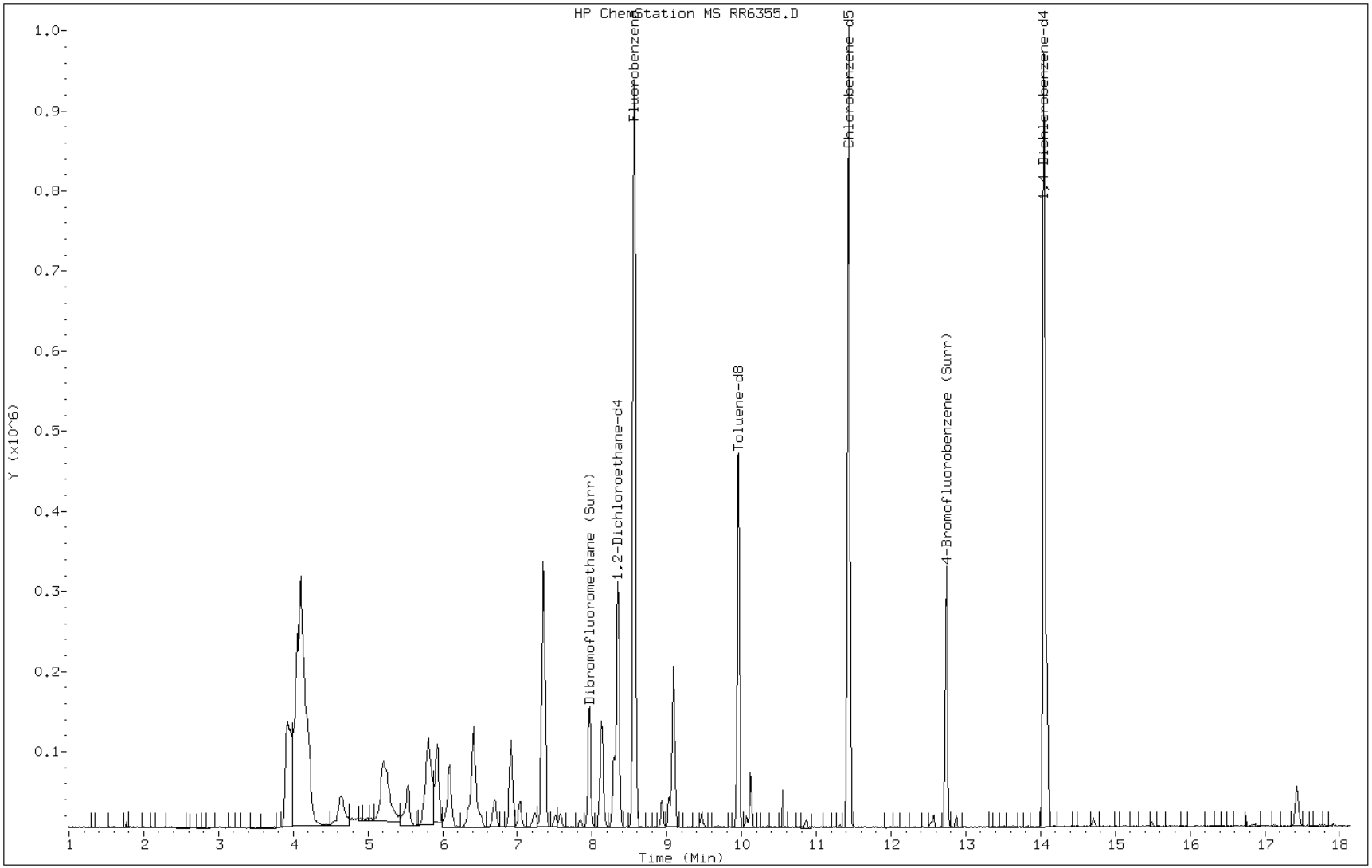
Q - Qualifier signal failed the ratio test.

Data File: RR6355.D

Date: 14-JUN-2012 07:54

Client ID: Instrument: R2.i

Sample Info: IC,,S 2.0 10uL 10x Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6356.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 08:17
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 5.0 2.5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.557	8.561	(1.000)	1000714	12.5000	
*	88 Chlorobenzene-d5	119	11.427	11.431	(1.000)	198154	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.040	14.044	(1.000)	278541	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.956	7.959	(0.930)	209196	5.00000	5.26984
$	58 1,2-Dichloroethane-d4	65	8.281	8.285	(0.968)	138275	5.00000	5.49801
$	76 Toluene-d8	98	9.948	9.951	(0.871)	621012	5.00000	5.31642
$	99 4-Bromofluorobenzene (Surr)	95	12.738	12.742	(0.907)	179805	5.00000	5.30013
	11 Ethylene Oxide	43	5.204	5.198	(0.608)	278063	625.000	709.580
	14 Dichlorofluoromethane	67	5.530	5.534	(0.646)	323170	5.00000	5.61521
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.806	5.810	(0.678)	150731	5.00000	5.42627
	21 Propylene Oxide	58	5.914	5.908	(0.691)	391005	250.000	270.230
	19 Ethyl Ether	59	5.796	5.790	(0.677)	54260	5.00000	5.60616
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.855	5.849	(0.684)	241209	5.00000	5.47732
	23 Trichlorotrifluoroethane	151	6.092	6.096	(0.712)	128518	5.00000	5.49805
	18 2-propanol	45	5.786	5.790	(0.676)	42061	100.000	110.746
	27 Methyl Acetate	43	6.338	6.332	(0.741)	132610	25.0000	27.2879
	29 Allyl Chloride	41	6.397	6.391	(0.748)	213533	5.00000	5.54834
	30 Carbon Disulfide	76	6.417	6.411	(0.750)	605561	5.00000	5.57854
	34 Methyl t-butyl ether	73	6.693	6.687	(0.782)	144825	5.00000	5.37396
	36 Hexane	57	6.910	6.904	(0.605)	212445	5.00000	5.73686
	37 Vinyl acetate	43	7.029	7.023	(0.821)	215526	10.0000	10.8613
	41 ETBE	59	7.344	7.348	(0.858)	1218502	25.0000	26.7853
	42 Ethyl Acetate	43	7.502	7.496	(0.877)	74329	10.0000	9.83326

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
44	2-Butanol	45	7.571	7.565	(0.885)	68501	150.000	163.597
51	Tetrahydrofuran	42	7.837	7.841	(0.916)	18349	10.0000	11.0127
55	Cyclohexane	56	8.123	8.127	(0.949)	241833	5.00000	5.41915
59	TAME	73	8.340	8.344	(0.975)	863742	25.0000	26.6160
65	2-Pentanone	43	8.932	8.926	(1.044)	96353	20.0000	18.9517
67	Methyl Cyclohexane	55	9.090	9.084	(1.062)	215016	5.00000	5.49413
66	Methyl Methacrylate	100	9.030	9.024	(1.055)	17795	10.0000	10.3858
73	2-nitropropane	41	9.474	9.478	(1.107)	9163	5.00000	5.20937
72	2-Chloroethyl vinyl ether	63	9.464	9.458	(1.106)	22261	5.00000	4.77144
78	Ethyl methacrylate	69	10.115	10.119	(0.885)	102513	10.0000	10.4966
85	Tetrahydrothiophene	60	10.865	10.859	(0.951)	20091	5.00000	4.87225
97	cis-1,4-dichloro-2-butene	53	12.571	12.574	(0.895)	12457	5.00000	5.03845
101	t-1,4-Dichloro-2-butene	53	12.866	12.870	(0.916)	11575	5.00000	5.40704
115	1,2,3-Trimethylbenzene	105	14.079	14.083	(1.003)	373997	5.00000	5.38405
119	Tetralin	104	Compound Not Detected.					

Data File: RR6356.D

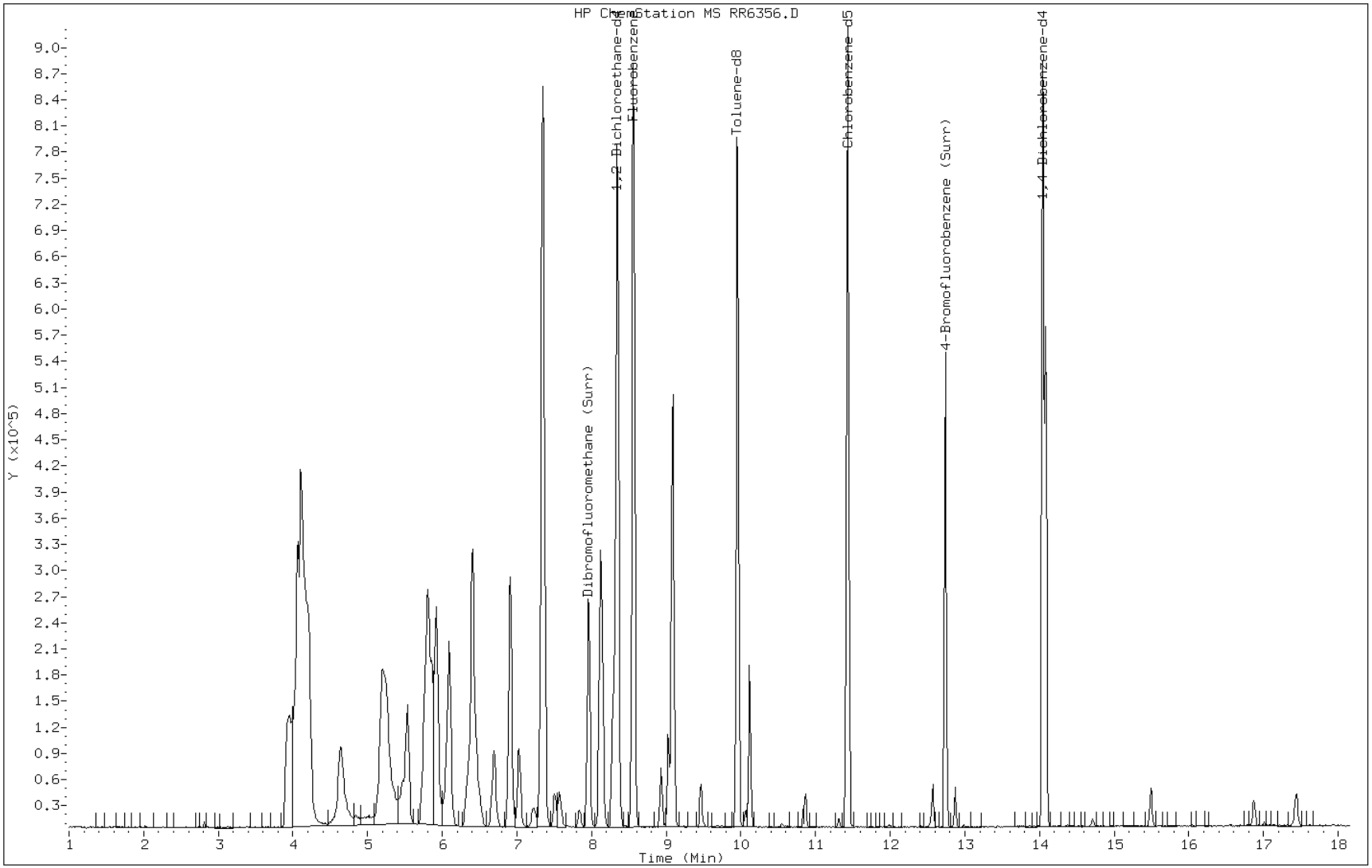
Date: 14-JUN-2012 08:17

Client ID:

Instrument: R2.i

Sample Info: IC,,S 5.0 2.5uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6357.D
Lab Smp Id: ICIS
Inj Date : 14-JUN-2012 08:39
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICIS,,S 10 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.556	8.561	(1.000)	976634	12.5000	
*	88 Chlorobenzene-d5	119	11.426	11.431	(1.000)	189086	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.039	14.044	(1.000)	271569	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.955	7.959	(0.930)	345366	10.0000	10.2140
$	58 1,2-Dichloroethane-d4	65	8.280	8.285	(0.968)	225969	10.0000	10.1463
$	76 Toluene-d8	98	9.947	9.951	(0.871)	1015019	10.0000	10.8779
$	99 4-Bromofluorobenzene (Surr)	95	12.737	12.742	(0.907)	284413	10.0000	9.96165
	11 Ethylene Oxide	43	5.194	5.198	(0.607)	490235	1250.00	1281.86
	14 Dichlorofluoromethane	67	5.529	5.534	(0.646)	573495	10.0000	10.2104
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.805	5.810	(0.678)	271599	10.0000	10.0186
	21 Propylene Oxide	58	5.913	5.908	(0.691)	735644	500.000	520.951
	19 Ethyl Ether	59	5.785	5.790	(0.676)	92394	10.0000	9.78155
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.844	5.849	(0.683)	435152	10.0000	10.1250
	23 Trichlorotrifluoroethane	151	6.091	6.096	(0.712)	229085	10.0000	10.0420
	18 2-propanol	45	5.785	5.790	(0.676)	74213	200.000	200.219
	27 Methyl Acetate	43	6.328	6.332	(0.740)	235605	50.0000	49.6771
	29 Allyl Chloride	41	6.387	6.391	(0.746)	384568	10.0000	10.2388
	30 Carbon Disulfide	76	6.406	6.411	(0.749)	1087335	10.0000	10.2637
	34 Methyl t-butyl ether	73	6.683	6.687	(0.781)	269274	10.0000	10.2382
	36 Hexane	57	6.900	6.904	(0.604)	374513	10.0000	10.5984
	37 Vinyl acetate	43	7.018	7.023	(0.820)	394883	20.0000	20.3905
	41 ETBE	59	7.343	7.348	(0.858)	2265888	50.0000	51.0372
	42 Ethyl Acetate	43	7.501	7.496	(0.877)	125753	20.0000	17.0465

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
44	2-Butanol	45	7.560	7.565	(0.884)	128626	300.000	314.764
51	Tetrahydrofuran	42	7.836	7.841	(0.916)	32648	20.0000	20.0778
55	Cyclohexane	56	8.122	8.127	(0.949)	437316	10.0000	10.0413
59	TAME	73	8.339	8.344	(0.975)	1604846	50.0000	50.6722
65	2-Pentanone	43	8.921	8.926	(1.043)	177017	40.0000	35.6759
67	Methyl Cyclohexane	55	9.089	9.084	(1.062)	382820	10.0000	10.0231
66	Methyl Methacrylate	100	9.020	9.024	(1.054)	32297	20.0000	19.3145
73	2-nitropropane	41	9.473	9.478	(1.107)	16318	10.0000	9.50589
72	2-Chloroethyl vinyl ether	63	9.454	9.458	(1.105)	43816	10.0000	9.62311
78	Ethyl methacrylate	69	10.114	10.119	(0.885)	194068	20.0000	20.8242
85	Tetrahydrothiophene	60	10.864	10.859	(0.951)	42117	10.0000	9.35401
97	cis-1,4-dichloro-2-butene	53	12.570	12.574	(0.895)	24314	10.0000	10.0867
101	t-1,4-Dichloro-2-butene	53	12.866	12.870	(0.916)	21524	10.0000	9.93298
115	1,2,3-Trimethylbenzene	105	14.079	14.083	(1.003)	687985	10.0000	10.1585
119	Tetralin	104	Compound Not Detected.					

Data File: RR6357.D

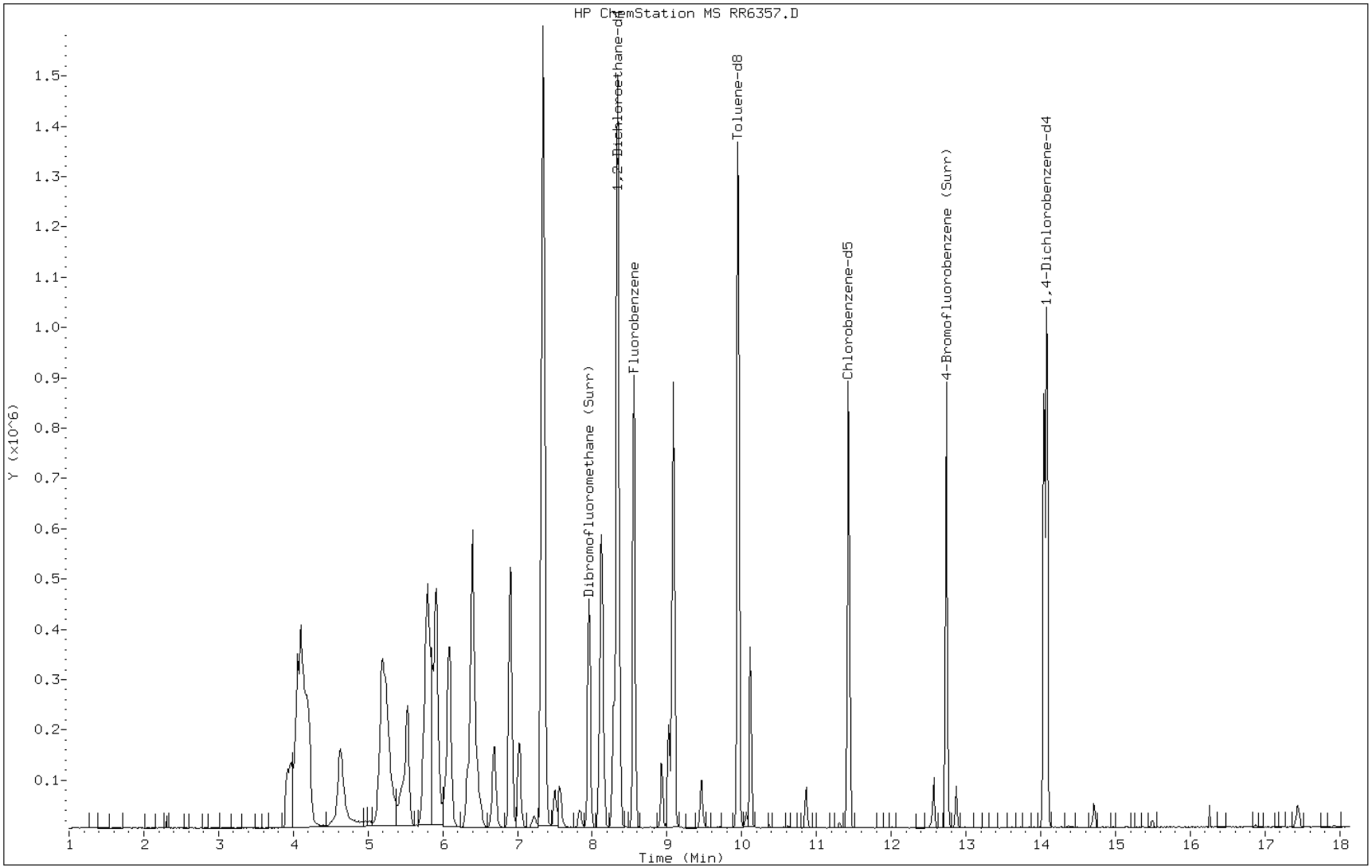
Date: 14-JUN-2012 08:39

Client ID:

Instrument: R2.i

Sample Info: ICIS,,S 10 5uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6358.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 09:01
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 30 15uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:01 Cal File: RR6358.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.560	8.561	(1.000)	1043101	12.5000	
*	88 Chlorobenzene-d5	119	11.429	11.431	(1.000)	222624	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.043	14.044	(1.000)	308909	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.958	7.959	(0.930)	633338	20.0000	18.8840
$	58 1,2-Dichloroethane-d4	65	8.284	8.285	(0.968)	413489	20.0000	18.3770
$	76 Toluene-d8	98	9.950	9.951	(0.871)	1982197	20.0000	19.6799
$	99 4-Bromofluorobenzene (Surr)	95	12.741	12.742	(0.907)	588778	20.0000	19.9246
	11 Ethylene Oxide	43	5.197	5.198	(0.607)	1344218	3750.00	3290.88
	14 Dichlorofluoromethane	67	5.532	5.534	(0.646)	1731366	30.0000	28.8608
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.809	5.810	(0.679)	830852	30.0000	28.6950
	21 Propylene Oxide	58	5.917	5.908	(0.691)	2209218	1500.00	1464.78
	19 Ethyl Ether	59	5.789	5.790	(0.676)	296094	30.0000	29.3494
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.848	5.849	(0.683)	1330004	30.0000	28.9742
	23 Trichlorotrifluoroethane	151	6.085	6.096	(0.711)	706955	30.0000	29.0148
	18 2-propanol	45	5.789	5.790	(0.676)	226935	600.000	573.235
	27 Methyl Acetate	43	6.331	6.332	(0.740)	713204	150.000	140.796(A)
	29 Allyl Chloride	41	6.390	6.391	(0.747)	1164794	30.0000	29.0356
	30 Carbon Disulfide	76	6.410	6.411	(0.749)	3307190	30.0000	29.2284
	34 Methyl t-butyl ether	73	6.686	6.687	(0.781)	846631	30.0000	30.1390
	36 Hexane	57	6.903	6.904	(0.604)	1156013	30.0000	27.7857
	37 Vinyl acetate	43	7.022	7.023	(0.820)	1212588	60.0000	58.6243
	41 ETBE	59	7.347	7.348	(0.858)	7133532	150.000	150.438(A)
	42 Ethyl Acetate	43	7.505	7.496	(0.877)	456266	60.0000	57.9083

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
44 2-Butanol	45	7.564	7.565	(0.884)	386006	900.000	884.415
51 Tetrahydrofuran	42	7.840	7.841	(0.916)	95894	60.0000	55.2150
55 Cyclohexane	56	8.126	8.127	(0.949)	1389724	30.0000	29.8764
59 TAME	73	8.343	8.344	(0.975)	5141813	150.000	152.005(A)
65 2-Pentanone	43	8.935	8.926	(1.044)	620974	120.000	117.176(A)
67 Methyl Cyclohexane	55	9.083	9.084	(1.061)	1205776	30.0000	29.5582
66 Methyl Methacrylate	100	9.023	9.024	(1.054)	111466	60.0000	62.4121(A)
73 2-nitropropane	41	9.477	9.478	(1.107)	54331	30.0000	29.6332
72 2-Chloroethyl vinyl ether	63	9.467	9.458	(1.106)	153949	30.0000	31.6567
78 Ethyl methacrylate	69	10.118	10.119	(0.885)	693717	60.0000	63.2243(A)
85 Tetrahydrothiophene	60	10.867	10.859	(0.951)	164770	30.0000	28.4625
97 cis-1,4-dichloro-2-butene	53	12.573	12.574	(0.895)	82955	30.0000	30.2541
101 t-1,4-Dichloro-2-butene	53	12.869	12.870	(0.916)	71771	30.0000	28.3093
115 1,2,3-Trimethylbenzene	105	14.082	14.083	(1.003)	2347744	30.0000	30.4754
119 Tetralin	104	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: RR6358.D

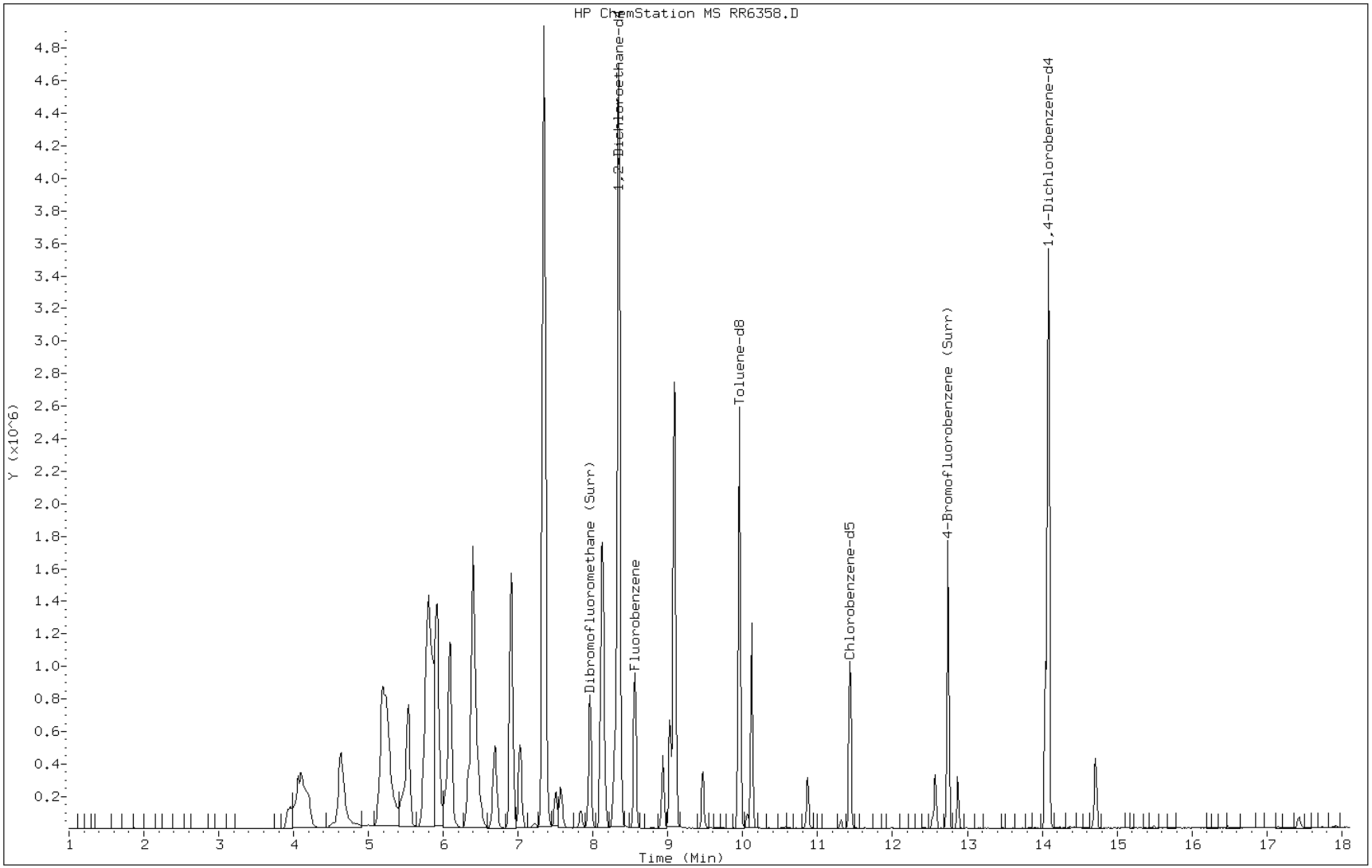
Date: 14-JUN-2012 09:01

Client ID:

Instrument: R2.i

Sample Info: IC,,S 30 15uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6359.D
Lab Smp Id: IC
Inj Date : 14-JUN-2012 09:23
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,S 60 30uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 01-JUN-2012 20:17 Cal File: RR6032.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.561	8.561	(1.000)	994747	12.5000	
*	88 Chlorobenzene-d5	119	11.431	11.431	(1.000)	215765	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.044	14.044	(1.000)	315971	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.959	7.959	(0.930)	921546	30.0000	29.8008
$	58 1,2-Dichloroethane-d4	65	8.285	8.285	(0.968)	642490	30.0000	30.8196
$	76 Toluene-d8	98	9.951	9.951	(0.871)	2745828	30.0000	29.1950
$	99 4-Bromofluorobenzene (Surr)	95	12.742	12.742	(0.907)	845979	30.0000	28.8747
	11 Ethylene Oxide	43	5.198	5.198	(0.607)	2628170	7500.00	6746.98
	14 Dichlorofluoromethane	67	5.534	5.534	(0.646)	3377999	60.0000	59.0462
	17 1,2-dichloro-1,1,2-trifluoroe	117	5.810	5.810	(0.679)	1615151	60.0000	58.4938
	21 Propylene Oxide	58	5.908	5.908	(0.690)	4608379	3000.00	3204.03(A)
	19 Ethyl Ether	59	5.790	5.790	(0.676)	598821	60.0000	62.2415(A)
	20 2,2-dichloro-1,1,1-trifluoroe	83	5.849	5.849	(0.683)	2539571	60.0000	58.0140
	23 Trichlorotrifluoroethane	151	6.096	6.096	(0.712)	1368632	60.0000	58.9018
	18 2-propanol	45	5.790	5.790	(0.676)	450596	1200.00	1193.53
	27 Methyl Acetate	43	6.332	6.332	(0.740)	1458495	300.000	301.923(A)
	29 Allyl Chloride	41	6.391	6.391	(0.747)	2219226	60.0000	58.0092
	30 Carbon Disulfide	76	6.411	6.411	(0.749)	6368567	60.0000	59.0203
	34 Methyl t-butyl ether	73	6.687	6.687	(0.781)	1772366	60.0000	66.1609(A)
	36 Hexane	57	6.904	6.904	(0.604)	2144701	60.0000	53.1883
	37 Vinyl acetate	43	7.023	7.023	(0.820)	2488215	120.000	126.144(A)
	41 ETBE	59	7.348	7.348	(0.858)	14918883	300.000	329.917(A)
	42 Ethyl Acetate	43	7.496	7.496	(0.876)	937859	120.000	124.817(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
44	2-Butanol	45	7.565	7.565	(0.884)	814851	1800.00	1957.73(A)
51	Tetrahydrofuran	42	7.841	7.841	(0.916)	201395	120.000	121.598(A)
55	Cyclohexane	56	8.127	8.127	(0.949)	2578788	60.0000	58.1338
59	TAME	73	8.344	8.344	(0.975)	11016897	300.000	341.519(A)
65	2-Pentanone	43	8.926	8.926	(1.043)	1173486	240.000	232.198(A)
67	Methyl Cyclohexane	55	9.084	9.084	(1.061)	2234675	60.0000	57.4434
66	Methyl Methacrylate	100	9.024	9.024	(1.054)	243050	120.000	142.704(A)
73	2-nitropropane	41	9.478	9.478	(1.107)	119190	60.0000	68.1687(A)
72	2-Chloroethyl vinyl ether	63	9.458	9.458	(1.105)	341903	60.0000	73.7233(A)
78	Ethyl methacrylate	69	10.119	10.119	(0.885)	1414991	120.000	133.060(A)
85	Tetrahydrothiophene	60	10.859	10.859	(0.950)	379046	60.0000	66.0094(A)
97	cis-1,4-dichloro-2-butene	53	12.574	12.574	(0.895)	185188	60.0000	66.0296(A)
101	t-1,4-Dichloro-2-butene	53	12.870	12.870	(0.916)	160219	60.0000	61.2894(A)
115	1,2,3-Trimethylbenzene	105	14.083	14.083	(1.003)	4748781	60.0000	60.2649(A)
119	Tetralin	104	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: RR6359.D

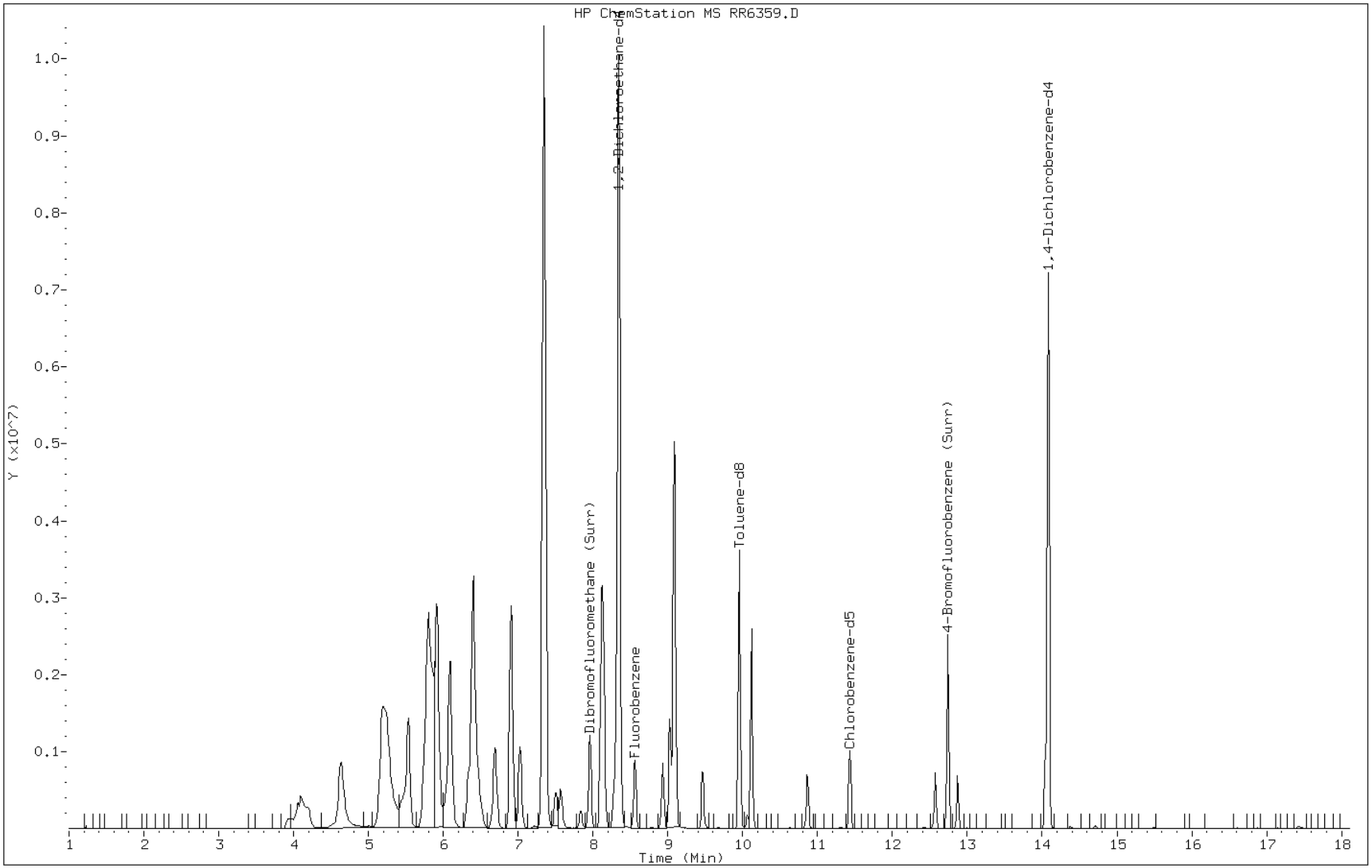
Date: 14-JUN-2012 09:23

Client ID:

Instrument: R2.i

Sample Info: IC,,S 60 30uL

Operator: DOBRANSKYM



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30435-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-124226/3	RR6388.D
Level 2	IC 280-124226/4	RR6389.D
Level 3	IC 280-124226/5	RR6390.D
Level 4	IC 280-124226/6	RR6391.D
Level 5	IC 280-124226/7	RR6392.D
Level 6	IC 280-124226/8	RR6393.D
Level 7	IC 280-124226/9	RR6394.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloroethene, Total	+++++ 0.3349	0.3657 0.3326	0.3326	0.3842	0.3324	Ave		0.3471				6.5		15.0			
Xylenes, Total	+++++ 2.4369	2.2788 2.4230	2.1435	2.6018	2.2827	Ave		2.3611				6.8		15.0			
Ethanol	+++++ 0.0007	+++++ 0.0008	0.0007	0.0009	0.0008	Ave		0.0008				9.9		15.0			
Dichlorodifluoromethane	+++++ 0.3461	0.3173 0.3138	0.3334	0.4054	0.3531	Ave		0.3448				9.7		15.0			
Chloromethane	+++++ 0.2775	0.3256 0.2696	0.2861	0.3354	0.2872	Ave		0.2969			0.1000	9.1		15.0			
Vinyl chloride	+++++ 0.3153	0.2985 0.2967	0.3060	0.3733	0.3253	Ave		0.3192				9.0		30.0			
Bromomethane	+++++ 0.2794	0.3159 0.2714	0.2935	0.3328	0.2987	Ave		0.2986				7.6		15.0			
Chloroethane	+++++ 0.1892	0.2370 0.1821	0.2019	0.2287	0.1989	Ave		0.2063				10.6		15.0			
Trichlorofluoromethane	+++++ 0.5501	0.4556 0.5094	0.5430	0.6310	0.5500	Ave		0.5398				10.7		15.0			
Acrolein	+++++ 0.0128	+++++ 0.0126	0.0121	0.0135	0.0126	Ave		0.0127				3.9		15.0			
Acetone	+++++ 0.0230	0.0497 0.0214	0.0344	0.0315	0.0241	Lin	-0.567	0.0210							0.9991		
1,1-Dichloroethene	+++++ 0.3123	0.3697 0.3079	0.3248	0.3712	0.3263	Ave		0.3354				8.4		30.0			
Iodomethane	+++++ 0.6530	0.7307 0.6699	0.6474	0.7568	0.6598	Ave		0.6862				6.7		15.0			
Acetonitrile	+++++ 0.0076	0.0096 0.0075	0.0095	0.0102	0.0084	Ave		0.0088				12.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30435-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Butanone (MEK)	+++++ 0.0351	0.0372 0.0338	0.0333	0.0369	0.0337	Ave		0.0350				4.9		15.0			
2-Methyl-2-propanol	+++++ 0.0059	0.0059 0.0060	0.0057	0.0067	0.0059	Ave		0.0060				5.8		15.0			
Methylene Chloride	+++++ 0.2619	0.3766 0.2549	0.3066	0.3286	0.2705	Lin	-0.066	0.2523							0.9997		
1,4-Dioxane	+++++ 0.0007	+++++ 0.0007	0.0006	0.0008	0.0007	Ave		0.0007				9.5		15.0			
Acrylonitrile	+++++ 0.0264	0.0273 0.0252	0.0253	0.0303	0.0262	Ave		0.0268				7.0		15.0			
trans-1,2-Dichloroethene	+++++ 0.3438	0.3914 0.3385	0.3487	0.4004	0.3469	Ave		0.3616				7.4		15.0			
Isopropyl ether	+++++ 0.1629	0.1577 0.1670	0.1514	0.1781	0.1593	Ave		0.1627				5.6		15.0			
1,1-Dichloroethane	+++++ 0.5776	0.6154 0.5738	0.5818	0.6667	0.5775	Ave		0.5988			0.1000	6.1		15.0			
2-Chloro-1,3-butadiene	+++++ 0.5750	0.5840 0.5583	0.5302	0.6375	0.5513	Ave		0.5727				6.4		15.0			
cis-1,2-Dichloroethene	+++++ 0.3260	0.3399 0.3267	0.3164	0.3680	0.3180	Ave		0.3325				5.8		15.0			
Propionitrile	+++++ 0.0094	+++++ 0.0093	0.0088	0.0106	0.0094	Ave		0.0095				7.0		15.0			
2,2-Dichloropropane	+++++ 0.4564	0.5149 0.4527	0.4697	0.5339	0.4638	Ave		0.4819				7.0		15.0			
Methacrylonitrile	+++++ 0.0507	0.0509 0.0497	0.0490	0.0584	0.0499	Ave		0.0514				6.8		15.0			
Chlorobromomethane	+++++ 0.1253	0.1256 0.1249	0.1174	0.1384	0.1218	Ave		0.1256				5.6		15.0			
Chloroform	0.7018 0.5654	0.6002 0.5654	0.5420	0.6325	0.5475	Ave		0.5936				9.6		30.0			
Isobutyl alcohol	+++++ 0.0021	0.0021 0.0021	0.0019	0.0023	0.0021	Ave		0.0021				5.4		15.0			
1,1,1-Trichloroethane	+++++ 0.5398	0.5604 0.5381	0.5086	0.6014	0.5294	Ave		0.5463				5.8		15.0			
1,1-Dichloropropene	+++++ 0.4904	0.5172 0.4754	0.4616	0.5418	0.4745	Ave		0.4935				6.2		15.0			
Carbon tetrachloride	+++++ 0.5071	0.5283 0.4983	0.4872	0.5698	0.4973	Ave		0.5147				5.9		15.0			
1,2-Dichloroethane	0.1839 0.2529	0.2524 0.2478	0.2374	0.2759	0.2468	Ave		0.2424				11.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30435-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzene	1.3794 1.1215	1.1783 1.1061	1.0595	1.2275	1.0686	Ave		1.1630				9.7		15.0			
Trichloroethene	+++++ 0.3540	0.3556 0.3489	0.3253	0.3912	0.3315	Ave		0.3511				6.6		15.0			
1,2-Dichloropropane	+++++ 0.2479	0.2579 0.2453	0.2292	0.2771	0.2411	Ave		0.2498				6.5		30.0			
Dibromomethane	+++++ 0.1184	0.1221 0.1171	0.1106	0.1300	0.1155	Ave		0.1189				5.6		15.0			
Dichlorobromomethane	0.3777 0.3289	0.3144 0.3263	0.3052	0.3557	0.3157	Ave		0.3320				7.8		15.0			
cis-1,3-Dichloropropene	0.3930 0.3348	0.3113 0.3355	0.2947	0.3572	0.3136	Ave		0.3343				9.8		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.0791	0.0738 0.0769	0.0720	0.0859	0.0779	Ave		0.0776				6.2		15.0			
Toluene	+++++ 1.1533	1.1029 1.1581	1.1003	1.3093	1.1403	Ave		1.1607				6.6		30.0			
trans-1,3-Dichloropropene	+++++ 0.2479	0.2190 0.2431	0.2216	0.2605	0.2349	Ave		0.2378				6.7		15.0			
1,1,2-Trichloroethane	+++++ 0.1209	0.1173 0.1209	0.1191	0.1372	0.1176	Ave		0.1222				6.2		15.0			
2-Hexanone	+++++ 0.2538	0.2666 0.2403	0.2208	0.2731	0.2481	Ave		0.2504				7.5		15.0			
1,3-Dichloropropane	1.3392 1.0475	1.0467 1.0128	0.9185	1.1279	1.0132	Ave		1.0722				12.4		15.0			
Tetrachloroethene	+++++ 1.5891	1.5834 1.5523	1.3930	1.6618	1.4896	Ave		1.5449				6.0		15.0			
Chlorodibromomethane	1.0504 0.9635	0.9278 0.9492	0.8527	1.0055	0.9060	Ave		0.9507				6.8		15.0			
Ethylene Dibromide	+++++ 0.6473	0.6256 0.6330	0.5965	0.7015	0.6130	Ave		0.6361				5.7		15.0			
1,2,3-Trichloropropane	+++++ 0.0991	0.0927 0.0975	0.0917	0.1074	0.0953	Ave		0.0973				5.9		15.0			
1-Chlorohexane	+++++ 2.2955	2.1766 2.1844	2.0825	2.5200	2.1975	Ave		2.2427				6.8		15.0			
Chlorobenzene	4.4599 3.5035	3.4649 3.4801	3.2431	3.8174	3.3737	Ave		3.6204			0.3000	11.3		15.0			
Ethylbenzene	+++++ 2.0372	1.9247 2.0126	1.7973	2.2268	1.9423	Ave		1.9901				7.2		30.0			
1,1,1,2-Tetrachloroethane	1.3159 1.2346	1.2181 1.2472	1.0588	1.2812	1.1347	Ave		1.2129				7.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30435-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
m-Xylene & p-Xylene	+++++ 2.5300	2.3273 2.5051	2.2303	2.6941	2.3575	Ave		2.4407				6.9		15.0			
o-Xylene	+++++ 2.2506	2.1817 2.2589	1.9699	2.4172	2.1332	Ave		2.2019				6.8		15.0			
Styrene	+++++ 3.4062	2.8335 3.4929	2.8118	3.5436	3.1742	Ave		3.2104				10.2		15.0			
Bromoform	+++++ 0.5491	0.5335 0.5411	0.4751	0.5884	0.5086	Ave		0.5326			0.1000	7.2		15.0			
Isopropylbenzene	+++++ 4.2496	3.9756 4.2926	3.8576	4.7375	4.0723	Ave		4.1975				7.4		15.0			
Cyclohexanone	+++++ 0.0134	0.0139 0.0126	0.0115	0.0136	0.0123	Ave		0.0129				7.1		15.0			
1,1,2,2-Tetrachloroethane	0.5781 0.3833	0.3886 0.3788	0.3638	0.4312	0.3776	Lin1	-0.010	0.3801			0.3000				0.9990		0.9900
Bromobenzene	+++++ 0.9898	0.9184 1.0381	0.8675	1.0567	0.9247	Ave		0.9659				7.7		15.0			
N-Propylbenzene	+++++ 1.1509	1.0902 1.1871	1.0553	1.2762	1.1237	Ave		1.1473				6.8		15.0			
1,3,5-Trimethylbenzene	+++++ 3.4751	3.1116 3.5744	3.0015	3.6763	3.2187	Ave		3.3429				8.1		15.0			
2-Chlorotoluene	+++++ 1.0102	0.9744 1.0398	0.9149	1.1111	0.9547	Ave		1.0008				6.9		15.0			
4-Chlorotoluene	+++++ 0.9528	0.9159 0.9714	0.9008	1.0562	0.9141	Ave		0.9519				6.1		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.0649	+++++ 0.0662	0.0576	0.0664	0.0619	Ave		0.0634				5.9		15.0			
tert-Butylbenzene	+++++ 3.0016	2.9048 3.0432	2.6601	3.2771	2.8990	Ave		2.9643				6.8		15.0			
1,2,4-Trimethylbenzene	+++++ 3.2867	3.1779 3.3990	2.9581	3.6188	3.1301	Ave		3.2618				7.0		15.0			
sec-Butylbenzene	+++++ 0.9381	0.8554 0.9396	0.8218	1.0370	0.8927	Ave		0.9141				8.3		15.0			
4-Isopropyltoluene	+++++ 3.8983	3.6773 3.9027	3.3656	4.1995	3.6142	Ave		3.7763				7.6		15.0			
1,3-Dichlorobenzene	+++++ 1.8700	1.8910 1.8875	1.7600	2.0171	1.7738	Ave		1.8666				5.0		15.0			
1,4-Dichlorobenzene	2.1790 1.7789	1.7912 1.7738	1.6262	1.9363	1.6887	Ave		1.8249				10.0		15.0			
n-Butylbenzene	+++++ 3.9317	3.9826 3.9162	3.5772	4.3239	3.6707	Ave		3.9004				6.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-30435-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	+++++ 1.4437	1.4329 1.4552	1.3129	1.5697	1.3620	Ave		1.4294				6.2		15.0			
Naphthalene	+++++ 0.9993	0.9257 1.0134	0.8148	1.0076	0.9250	Ave		0.9476				8.1		15.0			
1,2,4-Trichlorobenzene	+++++ 1.0544	1.1130 1.0635	0.8897	1.0742	0.9728	Ave		1.0279				8.0		15.0			
Hexachlorobutadiene	1.1716 0.9616	0.9996 0.9351	0.8515	1.0203	0.8702	Ave		0.9728				11.0		15.0			
1,2,3-Trichlorobenzene	+++++ 0.7783	0.7770 0.7847	0.7115	0.8103	0.7401	Ave		0.7670				4.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30435-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-124226/3	RR6388.D
Level 2	IC 280-124226/4	RR6389.D
Level 3	IC 280-124226/5	RR6390.D
Level 4	IC 280-124226/6	RR6391.D
Level 5	IC 280-124226/7	RR6392.D
Level 6	IC 280-124226/8	RR6393.D
Level 7	IC 280-124226/9	RR6394.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloroethene, Total	FB	Ave	+++++ 1876476	62803 4057069	111075	317955	601701	+++++ 60.0	2.00 120	4.00	10.0	20.0
Xylenes, Total	CBZ	Ave	+++++ 4233844	114808 9368163	231307	692589	1318478	+++++ 90.0	3.00 180	6.00	15.0	30.0
Ethanol	FB	Ave	+++++ 104745	+++++ 235730	5696	18469	36228	+++++ 1500	+++++ 3000	100	250	500
Dichlorodifluoromethane	FB	Ave	+++++ 969592	27244 1913520	55682	167730	319515	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloromethane	FB	Ave	+++++ 777372	27960 1644300	47781	138774	259867	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 883176	25635 1809301	51093	154436	294376	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromomethane	FB	Ave	+++++ 782617	27125 1655442	49018	137682	270270	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroethane	FB	Ave	+++++ 530103	20351 1110468	33724	94606	179954	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 1541013	39125 3106492	90681	261061	497723	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acrolein	FB	Ave	+++++ 357758	+++++ 770894	20141	55657	113878	+++++ 300	+++++ 600	20.0	50.0	100
Acetone	FB	Lin	+++++ 257466	17086 522936	22970	52072	87133	+++++ 120	4.00 240	8.00	20.0	40.0
1,1-Dichloroethene	FB	Ave	+++++ 874743	31745 1877764	54248	153566	295287	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Iodomethane	FB	Ave	+++++ 1829151	62743 4085287	108107	313107	597109	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acetonitrile	FB	Ave	+++++ 211668	8241 458541	15877	42175	76318	+++++ 300	10.0 600	20.0	50.0	100
2-Butanone (MEK)	FB	Ave	+++++ 393752	12774 823447	22221	61056	121857	+++++ 120	4.00 240	8.00	20.0	40.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30435-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Methyl-2-propanol	FB	Ave	+++++ 329867	10216 733287	19150	55676	107088	+++++ 600	20.0 1200	40.0	100	200
Methylene Chloride	FB	Lin	+++++ 733686	32336 1554552	51204	135972	244805	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dioxane	FB	Ave	+++++ 99904	+++++ 210678	4917	15860	30176	+++++ 1500	+++++ 3000	100	250	500
Acrylonitrile	FB	Ave	+++++ 739916	23472 1536241	42329	125272	237416	+++++ 300	10.0 600	20.0	50.0	100
trans-1,2-Dichloroethene	FB	Ave	+++++ 963142	33613 2064700	58238	165680	313903	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Isopropyl ether	FB	Ave	+++++ 2281827	67707 5091301	126447	368483	720939	+++++ 150	5.00 300	10.0	25.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 1618005	52845 3499530	97150	275830	522606	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 1610782	50145 3404770	88541	263779	498874	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 913334	29190 1992369	52837	152275	287798	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Propionitrile	FB	Ave	+++++ 261936	+++++ 565986	14654	43786	85062	+++++ 300	+++++ 600	20.0	50.0	100
2,2-Dichloropropane	FB	Ave	+++++ 1278653	44217 2760959	78431	220883	419761	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Methacrylonitrile	FB	Ave	+++++ 1421494	43667 3030913	81762	241598	451726	+++++ 300	10.0 600	20.0	50.0	100
Chlorobromomethane	FB	Ave	+++++ 351070	10787 761765	19604	57272	110200	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroform	FB	Ave	18171 1583967	51541 3448295	90512	261677	495511	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Isobutyl alcohol	FB	Ave	+++++ 115790	3565 251476	6444	18829	37215	+++++ 600	20.0 1200	40.0	100	200
1,1,1-Trichloroethane	FB	Ave	+++++ 1512290	48119 3281463	84940	248817	479120	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 1373881	44415 2899163	77089	224178	429396	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 1420630	45366 3038969	81358	235771	450016	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichloroethane	FB	Ave	7936 708403	21672 1511106	39643	114137	223306	0.500 30.0	1.00 60.0	2.00	5.00	10.0
Benzene	FB	Ave	35715 3141757	101178 6745735	176931	507892	967058	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Trichloroethene	FB	Ave	+++++ 991787	30532 2127679	54326	161844	300035	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30435-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloropropane	FB	Ave	+++++ 694574	22149 1495870	38283	114669	218163	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dibromomethane	FB	Ave	+++++ 331594	10485 714016	18472	53804	104481	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dichlorobromomethane	FB	Ave	9779 921244	26994 1989941	50970	147167	285737	0.300 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	10176 937879	26732 2045848	49213	147786	283823	0.300 30.0	1.00 60.0	2.00	5.00	10.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	+++++ 886461	25356 1877122	48086	142159	282047	+++++ 120	4.00 240	8.00	20.0	40.0
Toluene	FB	Ave	+++++ 3230723	94708 7062780	183738	541709	1031955	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
trans-1,3-Dichloropropene	FB	Ave	+++++ 694543	18805 1482375	37003	107766	212539	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,2-Trichloroethane	FB	Ave	+++++ 338681	10072 737265	19895	56756	106401	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Hexanone	CBZ	Ave	+++++ 587901	17906 1238894	31766	96918	191078	+++++ 120	4.00 240	8.00	20.0	40.0
1,3-Dichloropropane	CBZ	Ave	7344 606627	17578 1305219	33038	100083	195065	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Tetrachloroethene	CBZ	Ave	+++++ 920319	26592 2000513	50108	147458	286783	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorodibromomethane	CBZ	Ave	5760 557985	15582 1223273	30670	89221	174428	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylene Dibromide	CBZ	Ave	+++++ 374886	10506 815744	21457	62243	118028	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 91077	2521 193520	4968	14582	28405	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1-Chlorohexane	CBZ	Ave	+++++ 1329385	36554 2815227	74908	223604	423079	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorobenzene	CBZ	Ave	24457 2028987	58189 4485069	116655	338730	649530	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 1179831	32323 2593746	64648	197590	373941	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	7216 715019	20456 1607419	38086	113682	218470	0.300 30.0	1.00 60.0	2.00	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	+++++ 2930423	78169 6456936	160449	478103	907786	+++++ 60.0	2.00 120	4.00	10.0	20.0
o-Xylene	CBZ	Ave	+++++ 1303421	36639 2911227	70858	214486	410692	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Styrene	CBZ	Ave	+++++ 1972668	47585 4501646	101139	314431	611115	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30435-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromoform	CBZ	Ave	+++++ 317999	8959 697345	17091	52208	97921	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Isopropylbenzene	DCB	Ave	+++++ 3904794	108169 8521869	208984	643097	1214101	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Cyclohexanone	CBZ	Ave	+++++ 310036	9319 648328	16548	48438	94686	+++++ 1200	40.0 2400	80.0	200	400
1,1,2,2-Tetrachloroethane	DCB	Lin1	4503 352180	10573 752032	19707	58527	112566	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Bromobenzene	DCB	Ave	+++++ 909471	24989 2060966	46999	143447	275687	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
N-Propylbenzene	DCB	Ave	+++++ 1057544	29664 2356619	57172	173244	335024	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 3193116	84663 7096193	162604	499040	959611	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Chlorotoluene	DCB	Ave	+++++ 928221	26511 2064231	49565	150821	284641	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Chlorotoluene	DCB	Ave	+++++ 875452	24920 1928388	48799	143374	272541	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 59651	+++++ 131507	3120	9020	18468	+++++ 30.0	+++++ 60.0	2.00	5.00	10.0
tert-Butylbenzene	DCB	Ave	+++++ 2758088	79036 6041554	144110	444852	864300	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 3019990	86467 6748010	160252	491228	933196	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
sec-Butylbenzene	DCB	Ave	+++++ 862018	23275 1865257	44523	140764	266157	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Isopropyltoluene	DCB	Ave	+++++ 3582028	100055 7747914	182332	570066	1077544	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 1718306	51451 3747144	95345	273807	528843	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	16973 1634592	48736 3521412	88099	262849	503454	0.300 30.0	1.00 60.0	2.00	5.00	10.0
n-Butylbenzene	DCB	Ave	+++++ 3612731	108362 7774732	193792	586947	1094377	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 1326574	38988 2889015	71123	213082	406080	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Naphthalene	DCB	Ave	+++++ 918216	25188 2011769	44143	136778	275771	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 968879	30282 2111392	48198	145822	290025	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Hexachlorobutadiene	DCB	Ave	9126 883618	27199 1856369	46128	138497	259455	0.300 30.0	1.00 60.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-30435-1 Analy Batch No.: 124226

SDG No.:

Instrument ID: MSV_R2 GC Column: DB-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/15/2012 07:37 Calibration End Date: 06/15/2012 09:52 Calibration ID: 9727

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 715189	21142 1557829	38545	110001	220652	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6388.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 07:37
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 0.3 1.5uL 10x LOT:DF700
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.559	8.559	(1.000)	1078825	12.5000	
*	88 Chlorobenzene-d5	119	11.428	11.428	(1.000)	228488	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.042	14.042	(1.000)	324560	12.5000	
M	2 1,2-Dichloroethene (total)	96				22957	0.60000	0.766838(a)
M	1 Trihalomethanes (total)	100				37600	1.20000	1.42702
M	4 1,3-Dichloropropene (total)	100				17509	0.60000	0.709969(a)
M	3 Xylene (total)	106				46053	0.90000	1.06647
	7 dichlorodifluoromethane	85	4.447	4.447	(0.520)	8914	0.30000	0.299511(aQ)
	9 Chloromethane	50	4.693	4.693	(0.548)	10206	0.30000	0.398292(a)
	10 Vinyl Chloride	62	4.871	4.871	(0.569)	9638	0.30000	0.349891(a)
	12 Bromomethane	94	5.275	5.275	(0.616)	14088	0.30000	0.546646(a)
	13 Chloroethane	64	5.334	5.334	(0.623)	7614	0.30000	0.427646(a)
	15 Trichlorofluoromethane	101	5.650	5.650	(0.660)	16339	0.30000	0.350683(a)
	16 Ethanol	45	Compound Not Detected.					
	22 Acrolein	56	5.965	5.965	(0.697)	2465	3.00000	2.24863(a)
	24 Acetone	43	6.084	6.084	(0.711)	11501	1.20000	-0.741963(a)
	25 1,1-Dichloroethene	96	6.103	6.103	(0.713)	10624	0.30000	0.367062(a)
	26 Iodomethane	142	6.301	6.301	(0.736)	22009	0.30000	0.371607(a)
	28 Acetonitrile	41	6.340	6.340	(0.741)	3620	3.00000	4.76581(a)
	31 tert-Butyl alcohol	59	6.449	6.449	(0.753)	1941	6.00000	3.72484(a)
	32 Methylene Chloride	84	6.498	6.498	(0.759)	15163	0.30000	-0.124289(a)
	33 Acrylonitrile	53	6.685	6.685	(0.781)	8422	3.00000	3.64123(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.744	6.744	(0.788)	11797	0.30000	0.377966(a)
38 Isopropyl ether	87	7.030	7.030	(0.821)	23095	1.50000	1.64428(aQ)
39 1,1-Dichloroethane	63	7.099	7.099	(0.829)	19946	0.30000	0.385961(a)
40 Chloroprene	53	7.168	7.168	(0.838)	18557	0.30000	0.375434(a)
43 2-Butanone	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	7.583	7.583	(0.886)	11160	0.30000	0.388872(a)
46 Propionitrile	54	7.602	7.602	(0.888)	2442	3.00000	2.98541(aQ)
47 2,2-Dichloropropane	77	7.612	7.612	(0.889)	16094	0.30000	0.386953(a)
48 Methacrylonitrile	41	7.731	7.731	(0.903)	15925	3.00000	3.58794(a)
49 Bromochloromethane	128	7.800	7.800	(0.911)	3896	0.30000	0.359486(a)
50 Chloroform	83	7.809	7.809	(0.912)	18171	0.30000	0.354713(a)
54 1,1,1-Trichloroethane	97	8.046	8.046	(0.940)	17233	0.30000	0.365510(a)
53 Isobutanol	41	8.026	8.026	(0.938)	1362	6.00000	7.59605(aQ)
56 1,1-Dichloropropene	75	8.155	8.155	(0.953)	16377	0.30000	0.384511(a)
57 Carbon Tetrachloride	117	8.194	8.194	(0.957)	16484	0.30000	0.371099(a)
60 1,2-Dichloroethane	62	8.352	8.352	(0.976)	7936	0.50000	0.379306(a)
61 Benzene	78	8.362	8.362	(0.977)	35715	0.30000	0.355822(a)
63 n-Butanol	56	8.559	8.559	(1.000)	12112	9.00000	29.1906(aQ)
64 Trichloroethene	95	8.874	8.874	(1.037)	11929	0.30000	0.393688(a)
68 1,2-Dichloropropane	63	9.091	9.091	(1.062)	8301	0.30000	0.385077(a)
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	9.220	9.220	(1.077)	3470	0.30000	0.338026(a)
71 Bromodichloromethane	83	9.289	9.289	(1.085)	9779	0.30000	0.341306(a)
74 cis-1,3-Dichloropropene	75	9.673	9.673	(1.130)	10176	0.30000	0.352696(aQ)
75 4-Methyl-2-pentanone	43	9.742	9.742	(1.138)	10237	1.20000	1.52825(a)
77 Toluene	91	10.018	10.018	(1.171)	37607	0.30000	0.375414(a)
79 trans-1,3-Dichloropropene	75	10.156	10.156	(1.187)	7333	0.30000	0.357273(a)
80 1,1,2-Trichloroethane	97	10.354	10.354	(1.210)	3811	0.30000	0.361463(a)
81 2-Hexanone	43	10.511	10.511	(0.920)	6550	1.20000	1.43084(a)
82 1,3-Dichloropropane	76	10.541	10.541	(0.922)	7344	0.30000	0.374701(a)
83 Tetrachloroethene	164	10.561	10.561	(0.924)	11376	0.30000	0.402850(a)
84 Dibromochloromethane	129	10.807	10.807	(0.946)	5760	0.30000	0.331450(a)
86 1,2-Dibromoethane	107	10.985	10.985	(0.961)	4410	0.30000	0.379251(a)
87 1-Chlorohexane	91	11.290	11.290	(0.988)	14768	0.30000	0.360237(aQ)
89 Chlorobenzene	112	11.468	11.468	(1.003)	24457	0.30000	0.369570(a)
90 1,1,1,2-Tetrachloroethane	131	11.517	11.517	(1.008)	7216	0.30000	0.325465(a)
91 Ethylbenzene	106	11.507	11.507	(1.007)	13678	0.30000	0.375999(a)
92 m and p-Xylene	106	11.626	11.626	(1.017)	31978	0.60000	0.716773
93 o-Xylene	106	12.129	12.129	(1.061)	14075	0.30000	0.349699(a)
94 Styrene	104	12.129	12.129	(1.061)	18222	0.30000	0.310520(a)
95 Bromoform	173	12.434	12.434	(1.088)	3890	0.30000	0.399550(a)
96 isopropyl benzene	105	12.513	12.513	(0.891)	41709	0.30000	0.382694(a)
98 Cyclohexanone	55	12.730	12.730	(1.114)	4220	12.0000	17.9253(a)
100 1,1,2,2-Tetrachloroethane	83	12.819	12.819	(0.913)	4503	0.30000	0.334081(a)
102 1,2,3-Trichloropropane	110	Compound Not Detected.					
103 Bromobenzene	156	12.957	12.957	(0.923)	9337	0.30000	0.372303(a)
104 n-Propylbenzene	120	12.957	12.957	(0.923)	11196	0.30000	0.375854(a)
106 2-Chlorotoluene	126	13.125	13.125	(0.935)	9406	0.30000	0.361957(a)
105 1,3,5-Trimethylbenzene	105	13.115	13.115	(0.934)	30875	0.30000	0.355709(a)
107 4-Chlorotoluene	126	13.233	13.233	(0.942)	8831	0.30000	0.357319(a)
108 tert-Butylbenzene	119	13.519	13.519	(0.963)	27711	0.30000	0.360034(a)
109 1,2,4-Trimethylbenzene	105	13.559	13.559	(0.966)	30353	0.30000	0.358398(a)
110 sec-Butylbenzene	134	13.766	13.766	(0.980)	8431	0.30000	0.355218(a)
111 4-Isopropyltoluene	119	13.894	13.894	(0.989)	34216	0.30000	0.348962(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
112	1,3-Dichlorobenzene	146	13.983	13.983	(0.996)	18464	0.30000	0.380978(a)
114	1,4-dichlorobenzene	146	14.071	14.071	(1.002)	16973	0.30000	0.358213(a)
116	n-Butylbenzene	91	14.397	14.397	(1.025)	37045	0.30000	0.365794(a)
117	1,2-Dichlorobenzene	146	14.555	14.555	(1.037)	14325	0.30000	0.385968(a)
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	16.783	16.783	(1.195)	9586	0.30000	0.359158(a)
121	Hexachlorobutadiene	225	16.980	16.980	(1.209)	9126	0.30000	0.361285(a)
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	17.651	17.651	(1.257)	7161	0.30000	0.359577(a)

QC Flag Legend

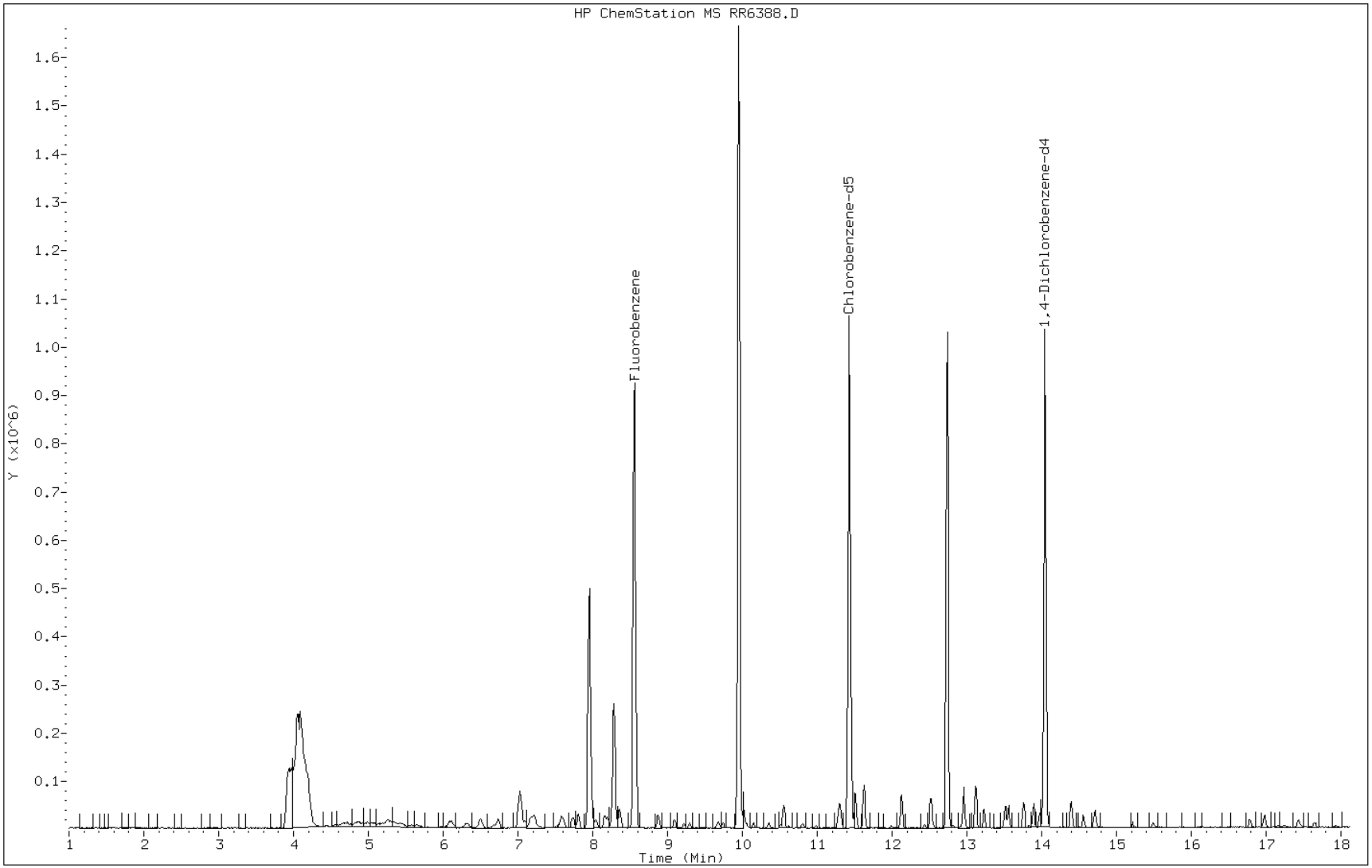
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6388.D

Date: 15-JUN-2012 07:37

Client ID: Instrument: R2.i

Sample Info: IC,,M 0.3 1.5uL 10x LOT:DF700 Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6389.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 08:00
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 1.0 5uL 10x
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 15-JUN-2012 07:37 Cal File: RR6388.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.559	8.559	(1.000)	1073380	12.5000	
* 88 Chlorobenzene-d5	119	11.429	11.429	(1.000)	209925	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.042	14.042	(1.000)	340107	12.5000	
M 2 1,2-Dichloroethene (total)	96				62803	2.00000	2.10468
M 1 Trihalomethanes (total)	100				103076	4.00000	3.93565
M 4 1,3-Dichloropropene (total)	100				45537	2.00000	1.85207
M 3 Xylene (total)	106				114808	3.00000	2.89786
7 dichlorodifluoromethane	85	4.467	4.467	(0.522)	27244	1.00000	0.920045(aQ)
9 Chloromethane	50	4.704	4.704	(0.550)	27960	1.00000	1.09668(a)
10 Vinyl Chloride	62	4.871	4.871	(0.569)	25635	1.00000	0.935356(a)
12 Bromomethane	94	5.276	5.276	(0.616)	27125	1.00000	1.05785(a)
13 Chloroethane	64	5.335	5.335	(0.623)	20351	1.00000	1.14883(a)
15 Trichlorofluoromethane	101	5.660	5.660	(0.661)	39125	1.00000	0.843997(a)
16 Ethanol	45	Compound Not Detected.					
22 Acrolein	56	5.976	5.976	(0.698)	10661	10.0000	9.77456(a)
24 Acetone	43	6.084	6.084	(0.711)	17086	4.00000	2.38629(a)
25 1,1-Dichloroethene	96	6.104	6.104	(0.713)	31745	1.00000	1.10236
26 Iodomethane	142	6.301	6.301	(0.736)	62743	1.00000	1.06475
28 Acetonitrile	41	6.380	6.380	(0.745)	8241	10.0000	10.9045(a)
31 tert-Butyl alcohol	59	6.449	6.449	(0.753)	10216	20.0000	19.7042(a)
32 Methylene Chloride	84	6.498	6.498	(0.759)	32336	1.00000	0.671940(a)
33 Acrylonitrile	53	6.686	6.686	(0.781)	23472	10.0000	10.1995(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.735	6.735	(0.787)	33613	1.00000	1.08239
38 Isopropyl ether	87	7.031	7.031	(0.821)	67707	5.00000	4.84493(a)
39 1,1-Dichloroethane	63	7.100	7.100	(0.829)	52845	1.00000	1.02775
40 Chloroprene	53	7.169	7.169	(0.838)	50145	1.00000	1.01965
43 2-Butanone	43	7.524	7.524	(0.879)	12774	4.00000	4.25216(a)
45 cis-1,2-Dichloroethene	96	7.583	7.583	(0.886)	29190	1.00000	1.02229
46 Propionitrile	54	7.593	7.593	(0.887)	8430	10.0000	10.3582(Q)
47 2,2-Dichloropropane	77	7.613	7.613	(0.889)	44217	1.00000	1.06852(a)
48 Methacrylonitrile	41	7.731	7.731	(0.903)	43667	10.0000	9.88819(a)
49 Bromochloromethane	128	7.800	7.800	(0.911)	10787	1.00000	1.00037
50 Chloroform	83	7.810	7.810	(0.912)	51541	1.00000	1.01123
54 1,1,1-Trichloroethane	97	8.047	8.047	(0.940)	48119	1.00000	1.02577
53 Isobutanol	41	8.017	8.017	(0.937)	3565	20.0000	19.9833(a)
56 1,1-Dichloropropene	75	8.155	8.155	(0.953)	44415	1.00000	1.04810
57 Carbon Tetrachloride	117	8.194	8.194	(0.957)	45366	1.00000	1.02649
60 1,2-Dichloroethane	62	8.352	8.352	(0.976)	21672	1.00000	1.04108
61 Benzene	78	8.362	8.362	(0.977)	101178	1.00000	1.01313
63 n-Butanol	56	8.549	8.549	(0.999)	13171	30.0000	36.7737(a)
64 Trichloroethene	95	8.875	8.875	(1.037)	30532	1.00000	1.01275
68 1,2-Dichloropropane	63	9.092	9.092	(1.062)	22149	1.00000	1.03269
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	9.220	9.220	(1.077)	10485	1.00000	1.02656
71 Bromodichloromethane	83	9.299	9.299	(1.086)	26994	1.00000	0.946921(a)
74 cis-1,3-Dichloropropene	75	9.674	9.674	(1.130)	26732	1.00000	0.931220(a)
75 4-Methyl-2-pentanone	43	9.743	9.743	(1.138)	25356	4.00000	3.80453(a)
77 Toluene	91	10.009	10.009	(1.169)	94708	1.00000	0.950225(a)
79 trans-1,3-Dichloropropene	75	10.147	10.147	(1.185)	18805	1.00000	0.920850(a)
80 1,1,2-Trichloroethane	97	10.364	10.364	(1.211)	10072	1.00000	0.960149(a)
81 2-Hexanone	43	10.502	10.502	(0.919)	17906	4.00000	4.25742(a)
82 1,3-Dichloropropane	76	10.541	10.541	(0.922)	17578	1.00000	0.976159(a)
83 Tetrachloroethene	164	10.561	10.561	(0.924)	26592	1.00000	1.02495
84 Dibromochloromethane	129	10.808	10.808	(0.946)	15582	1.00000	0.975929(a)
86 1,2-Dibromoethane	107	10.985	10.985	(0.961)	10506	1.00000	0.983387(a)
87 1-Chlorohexane	91	11.291	11.291	(0.988)	36554	1.00000	0.970512(aQ)
89 Chlorobenzene	112	11.459	11.459	(1.003)	58189	1.00000	0.957048(a)
90 1,1,1,2-Tetrachloroethane	131	11.508	11.508	(1.007)	20456	1.00000	1.00422
91 Ethylbenzene	106	11.508	11.508	(1.007)	32323	1.00000	0.967108(a)
92 m and p-Xylene	106	11.626	11.626	(1.017)	78169	2.00000	1.90706
93 o-Xylene	106	12.119	12.119	(1.060)	36639	1.00000	0.990806
94 Styrene	104	12.129	12.129	(1.061)	47585	1.00000	0.882598(a)
95 Bromoform	173	12.435	12.435	(1.088)	8959	1.00000	1.00157
96 isopropyl benzene	105	12.514	12.514	(0.891)	108169	1.00000	0.947119(a)
98 Cyclohexanone	55	12.711	12.711	(1.112)	9319	40.0000	43.0846
100 1,1,2,2-Tetrachloroethane	83	12.819	12.819	(0.913)	10573	1.00000	0.900203(a)
102 1,2,3-Trichloropropane	110	12.908	12.908	(0.919)	2521	1.00000	0.952499(aQ)
103 Bromobenzene	156	12.957	12.957	(0.923)	24989	1.00000	0.950862(a)
104 n-Propylbenzene	120	12.957	12.957	(0.923)	29664	1.00000	0.950309(a)
106 2-Chlorotoluene	126	13.125	13.125	(0.935)	26511	1.00000	0.973548(a)
105 1,3,5-Trimethylbenzene	105	13.115	13.115	(0.934)	84663	1.00000	0.930809(a)
107 4-Chlorotoluene	126	13.234	13.234	(0.942)	24920	1.00000	0.962218(a)
108 tert-Butylbenzene	119	13.510	13.510	(0.962)	79036	1.00000	0.979932(a)
109 1,2,4-Trimethylbenzene	105	13.559	13.559	(0.966)	86467	1.00000	0.974302(a)
110 sec-Butylbenzene	134	13.756	13.756	(0.980)	23275	1.00000	0.935806(a)
111 4-Isopropyltoluene	119	13.894	13.894	(0.989)	100055	1.00000	0.973794(a)

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
112 1,3-Dichlorobenzene	146	13.973	13.973	(0.995)	51451	1.00000	1.01309
114 1,4-dichlorobenzene	146	14.072	14.072	(1.002)	48736	1.00000	0.981550(a)
116 n-Butylbenzene	91	14.387	14.387	(1.025)	108362	1.00000	1.02109
117 1,2-Dichlorobenzene	146	14.555	14.555	(1.037)	38988	1.00000	1.00246
118 1,2-Dibromo-3-chloropropane	157	15.561	15.561	(1.108)	1355	1.00000	0.785141(aQ)
120 1,2,4-Trichlorobenzene	180	16.784	16.784	(1.195)	30282	1.00000	1.08271
121 Hexachlorobutadiene	225	16.981	16.981	(1.209)	27199	1.00000	1.02755
122 Naphthalene	128	17.237	17.237	(1.228)	25188	1.00000	0.976895(a)
123 1,2,3-Trichlorobenzene	180	17.651	17.651	(1.257)	21142	1.00000	1.01308

QC Flag Legend

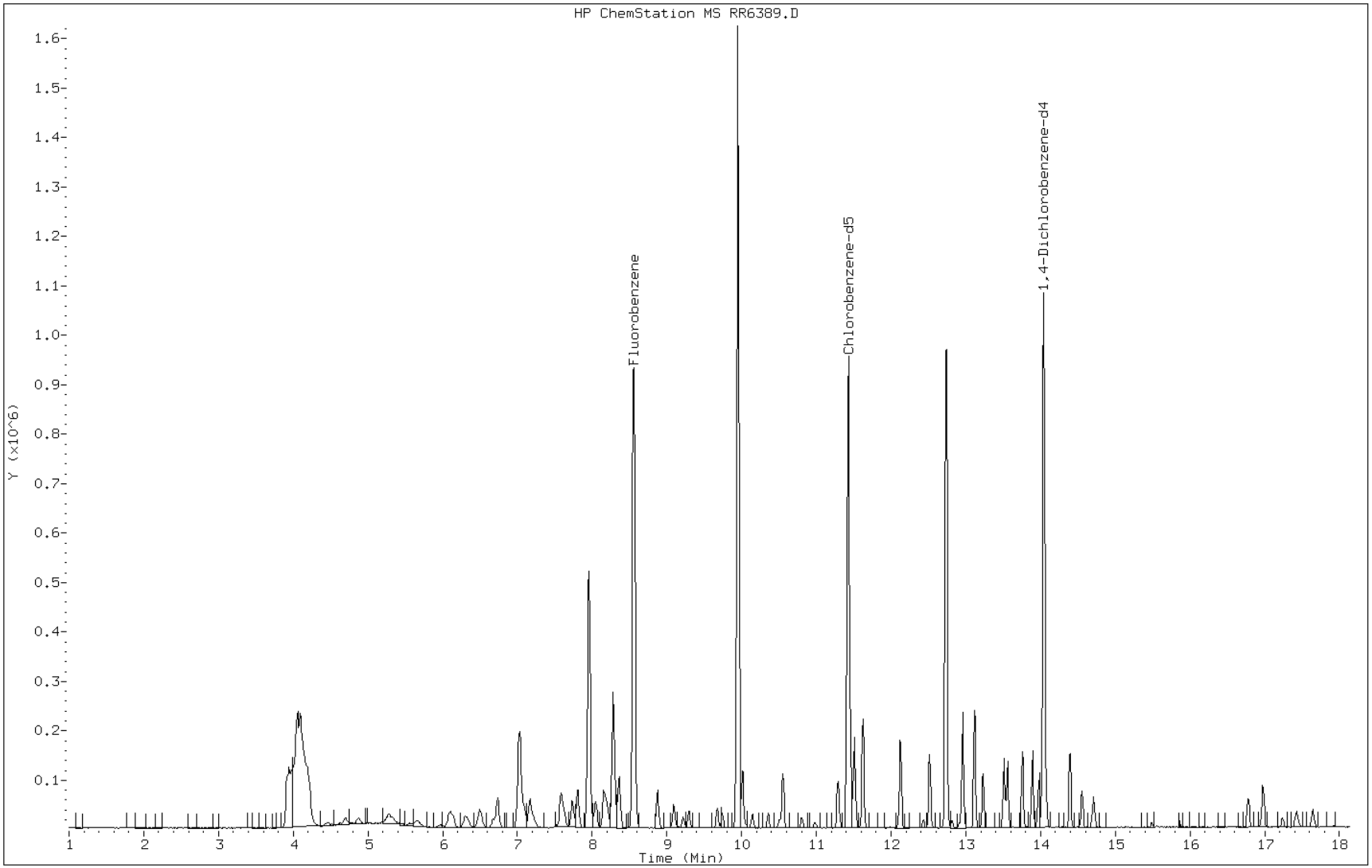
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6389.D

Date: 15-JUN-2012 08:00

Client ID: Instrument: R2.i

Sample Info: IC,,M 1.0 5uL 10x Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6390.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 08:22
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 2.0 10uL 10x
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 07:32 Cal File: RR6354.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.560	8.560	(1.000)	1043719	12.5000	
*	88 Chlorobenzene-d5	119	11.430	11.430	(1.000)	224813	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.043	14.043	(1.000)	338590	12.5000	
M	2 1,2-Dichloroethene (total)	96				111075	4.00000	3.83170
M	1 Trihalomethanes (total)	100				189243	8.00000	7.24294
M	4 1,3-Dichloropropene (total)	100				86216	4.00000	3.62654
M	3 Xylene (total)	106				231307	6.00000	5.44446
	7 dichlorodifluoromethane	85	4.458	4.458	(0.521)	55682	2.00000	1.93385(a)
	9 Chloromethane	50	4.695	4.695	(0.548)	47781	2.00000	1.92739(a)
	10 Vinyl Chloride	62	4.862	4.862	(0.568)	51093	2.00000	1.91723
	12 Bromomethane	94	5.267	5.267	(0.615)	49018	2.00000	1.96598(a)
	13 Chloroethane	64	5.326	5.326	(0.622)	33724	2.00000	1.95784(a)
	15 Trichlorofluoromethane	101	5.651	5.651	(0.660)	90681	2.00000	2.01174
	16 Ethanol	45	5.661	5.661	(0.661)	5696	100.000	87.5377(aM)
	22 Acrolein	56	5.967	5.967	(0.697)	20141	20.0000	18.9911(a)
	24 Acetone	43	6.075	6.075	(0.710)	22970	8.00000	6.00998(a)
	25 1,1-Dichloroethene	96	6.095	6.095	(0.712)	54248	2.00000	1.93732
	26 Iodomethane	142	6.312	6.312	(0.737)	108107	2.00000	1.88671
	28 Acetonitrile	41	6.351	6.351	(0.742)	15877	20.0000	21.6055
	31 tert-Butyl alcohol	59	6.460	6.460	(0.755)	19150	40.0000	37.9855(a)
	32 Methylene Chloride	84	6.499	6.499	(0.759)	51204	2.00000	1.61005
	33 Acrylonitrile	53	6.687	6.687	(0.781)	42329	20.0000	18.9164(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.736	6.736	(0.787)	58238	2.00000	1.92865
38 Isopropyl ether	87	7.032	7.032	(0.821)	126447	10.0000	9.30535(a)
39 1,1-Dichloroethane	63	7.101	7.101	(0.830)	97150	2.00000	1.94311
40 Chloroprene	53	7.170	7.170	(0.838)	88541	2.00000	1.85156
43 2-Butanone	43	7.525	7.525	(0.879)	22221	8.00000	7.60705
45 cis-1,2-Dichloroethene	96	7.584	7.584	(0.886)	52837	2.00000	1.90304
46 Propionitrile	54	7.604	7.604	(0.888)	14654	20.0000	18.5175
47 2,2-Dichloropropane	77	7.614	7.614	(0.889)	78431	2.00000	1.94917(a)
48 Methacrylonitrile	41	7.732	7.732	(0.903)	81762	20.0000	19.0408
49 Bromochloromethane	128	7.811	7.811	(0.912)	19604	2.00000	1.86972
50 Chloroform	83	7.811	7.811	(0.912)	90512	2.00000	1.82630
54 1,1,1-Trichloroethane	97	8.048	8.048	(0.940)	84940	2.00000	1.86216
53 Isobutanol	41	8.038	8.038	(0.939)	6444	40.0000	37.1479(a)
56 1,1-Dichloropropene	75	8.156	8.156	(0.953)	77089	2.00000	1.87083
57 Carbon Tetrachloride	117	8.195	8.195	(0.957)	81358	2.00000	1.89319
60 1,2-Dichloroethane	62	8.353	8.353	(0.976)	39643	2.00000	1.95849
61 Benzene	78	8.363	8.363	(0.977)	176931	2.00000	1.82202
63 n-Butanol	56	8.590	8.590	(1.003)	17146	60.0000	66.9821(M)
64 Trichloroethene	95	8.876	8.876	(1.037)	54326	2.00000	1.85321
68 1,2-Dichloropropane	63	9.093	9.093	(1.062)	38283	2.00000	1.83565
69 1,4-Dioxane	88	9.152	9.152	(1.069)	4917	100.000	85.9280(a)
70 Dibromomethane	93	9.221	9.221	(1.077)	18472	2.00000	1.85995
71 Bromodichloromethane	83	9.300	9.300	(1.086)	50970	2.00000	1.83878
74 cis-1,3-Dichloropropene	75	9.675	9.675	(1.130)	49213	2.00000	1.76307
75 4-Methyl-2-pentanone	43	9.744	9.744	(1.138)	48086	8.00000	7.42008
77 Toluene	91	10.020	10.020	(1.170)	183738	2.00000	1.89587
79 trans-1,3-Dichloropropene	75	10.148	10.148	(1.185)	37003	2.00000	1.86347
80 1,1,2-Trichloroethane	97	10.365	10.365	(1.211)	19895	2.00000	1.95046
81 2-Hexanone	43	10.503	10.503	(0.919)	31766	8.00000	7.05266
82 1,3-Dichloropropane	76	10.542	10.542	(0.922)	33038	2.00000	1.71320
83 Tetrachloroethene	164	10.562	10.562	(0.924)	50108	2.00000	1.80344
84 Dibromochloromethane	129	10.809	10.809	(0.946)	30670	2.00000	1.79371
86 1,2-Dibromoethane	107	10.986	10.986	(0.961)	21457	2.00000	1.87542
87 1-Chlorohexane	91	11.292	11.292	(0.988)	74908	2.00000	1.85711
89 Chlorobenzene	112	11.469	11.469	(1.003)	116655	2.00000	1.79159
90 1,1,1,2-Tetrachloroethane	131	11.519	11.519	(1.008)	38086	2.00000	1.74588
91 Ethylbenzene	106	11.509	11.509	(1.007)	64648	2.00000	1.80618
92 m and p-Xylene	106	11.627	11.627	(1.017)	160449	4.00000	3.65518
93 o-Xylene	106	12.130	12.130	(1.061)	70858	2.00000	1.78927
94 Styrene	104	12.130	12.130	(1.061)	101139	2.00000	1.75168
95 Bromoform	173	12.436	12.436	(1.088)	17091	2.00000	1.78415
96 isopropyl benzene	105	12.515	12.515	(0.891)	208984	2.00000	1.83805
98 Cyclohexanone	55	12.712	12.712	(1.112)	16548	80.0000	71.4399
100 1,1,2,2-Tetrachloroethane	83	12.820	12.820	(0.913)	19707	2.00000	1.79202
102 1,2,3-Trichloropropane	110	12.919	12.919	(0.920)	4968	2.00000	1.88545
103 Bromobenzene	156	12.958	12.958	(0.923)	46999	2.00000	1.79638
104 n-Propylbenzene	120	12.958	12.958	(0.923)	57172	2.00000	1.83976
106 2-Chlorotoluene	126	13.126	13.126	(0.935)	49565	2.00000	1.82830
105 1,3,5-Trimethylbenzene	105	13.116	13.116	(0.934)	162604	2.00000	1.79572
107 4-Chlorotoluene	126	13.235	13.235	(0.942)	48799	2.00000	1.89268
108 tert-Butylbenzene	119	13.511	13.511	(0.962)	144110	2.00000	1.79476
109 1,2,4-Trimethylbenzene	105	13.560	13.560	(0.966)	160252	2.00000	1.81379
110 sec-Butylbenzene	134	13.767	13.767	(0.980)	44523	2.00000	1.79813
111 4-Isopropyltoluene	119	13.895	13.895	(0.989)	182332	2.00000	1.78251

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
112 1,3-Dichlorobenzene	146	13.974	13.974	(0.995)	95345	2.00000	1.88579
114 1,4-dichlorobenzene	146	14.073	14.073	(1.002)	88099	2.00000	1.78228
116 n-Butylbenzene	91	14.388	14.388	(1.025)	193792	2.00000	1.83427
117 1,2-Dichlorobenzene	146	14.556	14.556	(1.037)	71123	2.00000	1.83691
118 1,2-Dibromo-3-chloropropane	157	15.562	15.562	(1.108)	3120	2.00000	1.81595(aQ)
120 1,2,4-Trichlorobenzene	180	16.785	16.785	(1.195)	48198	2.00000	1.73100
121 Hexachlorobutadiene	225	16.982	16.982	(1.209)	46128	2.00000	1.75047
122 Naphthalene	128	17.238	17.238	(1.228)	44143	2.00000	1.71972
123 1,2,3-Trichlorobenzene	180	17.643	17.643	(1.256)	38545	2.00000	1.85527

QC Flag Legend

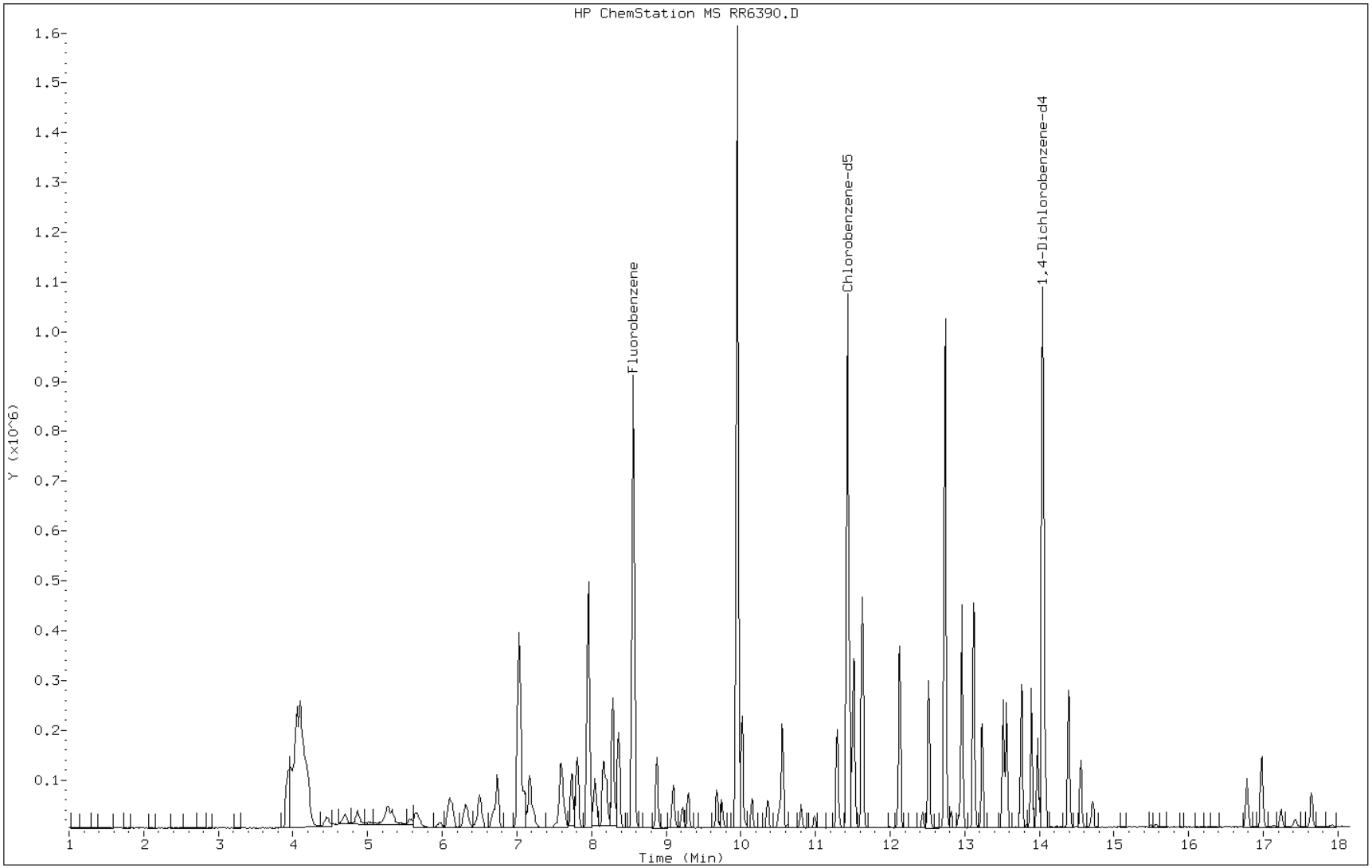
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: RR6390.D

Date: 15-JUN-2012 08:22

Client ID: Instrument: R2.i

Sample Info: IC,,M 2.0 10uL 10x Operator: DOBRANSKYM



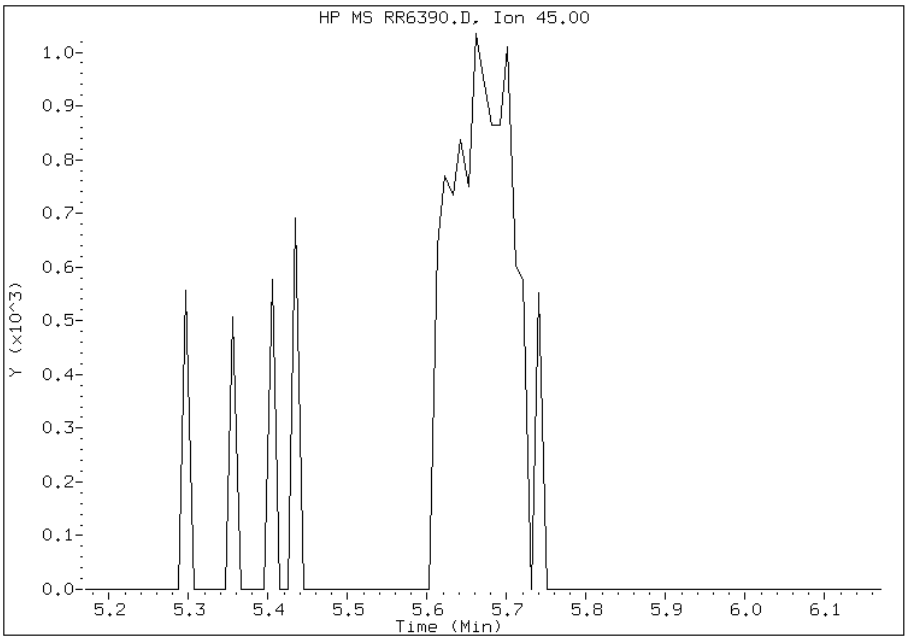
Manual Integration Report

Data File: RR6390.D
Inj. Date and Time: 15-JUN-2012 08:22
Instrument ID: R2.i
Client ID:
Compound: 16 Ethanol
CAS #: 64-17-5
Report Date: 06/15/2012

Processing Integration Results

Not Detected

Expected RT: 5.67



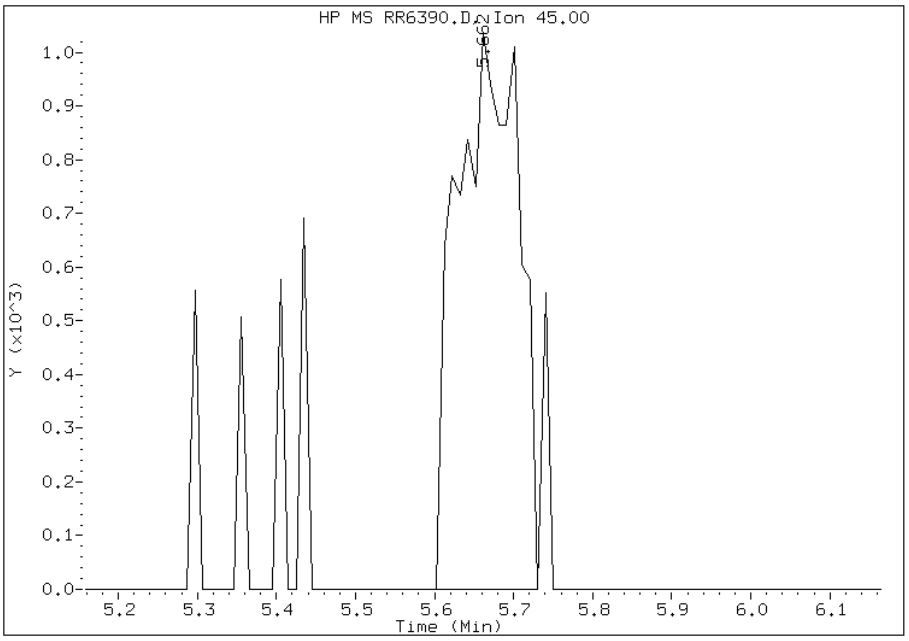
Manual Integration Results

RT: 5.66

Response: 5696

Amount: 88

Conc: 88



Manually Integrated By: dobranskym
Manual Integration Reason: Analyte not Identified by the Data System

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6391.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 08:45
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 5.0 2.5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 07:54 Cal File: RR6355.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*	62 Fluorobenzene	96	8.565	8.565	(1.000)	1034367	12.5000	
*	88 Chlorobenzene-d5	119	11.434	11.434	(1.000)	221831	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.047	14.047	(1.000)	339363	12.5000	
M	2 1,2-Dichloroethene (total)	96				317955	10.0000	11.0705
M	1 Trihalomethanes (total)	100				550273	20.0000	21.4964
M	4 1,3-Dichloropropene (total)	100				255552	10.0000	10.8185
M	3 Xylene (total)	106				692589	15.0000	16.5270
	7 dichlorodifluoromethane	85	4.462	4.462	(0.521)	167730	5.00000	5.87797
	9 Chloromethane	50	4.709	4.709	(0.550)	138774	5.00000	5.64847
	10 Vinyl Chloride	62	4.867	4.867	(0.568)	154436	5.00000	5.84751
	12 Bromomethane	94	5.271	5.271	(0.615)	137682	5.00000	5.57199
	13 Chloroethane	64	5.340	5.340	(0.624)	94606	5.00000	5.54200
	15 Trichlorofluoromethane	101	5.656	5.656	(0.660)	261061	5.00000	5.84396
	16 Ethanol	45	5.646	5.646	(0.659)	18469	250.000	286.403
	22 Acrolein	56	5.971	5.971	(0.697)	55657	50.0000	52.9539
	24 Acetone	43	6.089	6.089	(0.711)	52072	20.0000	22.8697
	25 1,1-Dichloroethene	96	6.119	6.119	(0.714)	153566	5.00000	5.53378
	26 Iodomethane	142	6.316	6.316	(0.737)	313107	5.00000	5.51382
	28 Acetonitrile	41	6.356	6.356	(0.742)	42175	50.0000	57.9108
	31 tert-Butyl alcohol	59	6.454	6.454	(0.754)	55676	100.000	111.436
	32 Methylene Chloride	84	6.504	6.504	(0.759)	135972	5.00000	5.69245
	33 Acrylonitrile	53	6.691	6.691	(0.781)	125272	50.0000	56.4890

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.740	6.740	(0.787)	165680	5.00000	5.53639
38 Isopropyl ether	87	7.036	7.036	(0.822)	368483	25.0000	27.3622
39 1,1-Dichloroethane	63	7.105	7.105	(0.830)	275830	5.00000	5.56680
40 Chloroprene	53	7.174	7.174	(0.838)	263779	5.00000	5.56599
43 2-Butanone	43	7.529	7.529	(0.879)	61056	20.0000	21.0906
45 cis-1,2-Dichloroethene	96	7.578	7.578	(0.885)	152275	5.00000	5.53411
46 Propionitrile	54	7.608	7.608	(0.888)	43786	50.0000	55.8303
47 2,2-Dichloropropane	77	7.608	7.608	(0.888)	220883	5.00000	5.53902
48 Methacrylonitrile	41	7.736	7.736	(0.903)	241598	50.0000	56.7722
49 Bromochloromethane	128	7.805	7.805	(0.911)	57272	5.00000	5.51166
50 Chloroform	83	7.815	7.815	(0.912)	261677	5.00000	5.32771
54 1,1,1-Trichloroethane	97	8.052	8.052	(0.940)	248817	5.00000	5.50420
53 Isobutanol	41	8.032	8.032	(0.938)	18829	100.000	109.525(Q)
56 1,1-Dichloropropene	75	8.160	8.160	(0.953)	224178	5.00000	5.48963
57 Carbon Tetrachloride	117	8.200	8.200	(0.957)	235771	5.00000	5.53597
60 1,2-Dichloroethane	62	8.357	8.357	(0.976)	114137	5.00000	5.68972
61 Benzene	78	8.367	8.367	(0.977)	507892	5.00000	5.27753
63 n-Butanol	56	8.594	8.594	(1.003)	31248	150.000	167.129
64 Trichloroethene	95	8.880	8.880	(1.037)	161844	5.00000	5.57085
68 1,2-Dichloropropane	63	9.097	9.097	(1.062)	114669	5.00000	5.54804
69 1,4-Dioxane	88	9.156	9.156	(1.069)	15860	250.000	279.670
70 Dibromomethane	93	9.225	9.225	(1.077)	53804	5.00000	5.46652
71 Bromodichloromethane	83	9.294	9.294	(1.085)	147167	5.00000	5.35717
74 cis-1,3-Dichloropropene	75	9.679	9.679	(1.130)	147786	5.00000	5.34236
75 4-Methyl-2-pentanone	43	9.748	9.748	(1.138)	142159	20.0000	22.1347
77 Toluene	91	10.024	10.024	(1.170)	541709	5.00000	5.64007
79 trans-1,3-Dichloropropene	75	10.152	10.152	(1.185)	107766	5.00000	5.47616
80 1,1,2-Trichloroethane	97	10.359	10.359	(1.210)	56756	5.00000	5.61453
81 2-Hexanone	43	10.507	10.507	(0.919)	96918	20.0000	21.8069
82 1,3-Dichloropropane	76	10.547	10.547	(0.922)	100083	5.00000	5.25961
83 Tetrachloroethene	164	10.566	10.566	(0.924)	147458	5.00000	5.37853
84 Dibromochloromethane	129	10.813	10.813	(0.946)	89221	5.00000	5.28816
86 1,2-Dibromoethane	107	10.990	10.990	(0.961)	62243	5.00000	5.51340
87 1-Chlorohexane	91	11.296	11.296	(0.988)	223604	5.00000	5.61808
89 Chlorobenzene	112	11.464	11.464	(1.003)	338730	5.00000	5.27216
90 1,1,1,2-Tetrachloroethane	131	11.523	11.523	(1.008)	113682	5.00000	5.28130
91 Ethylbenzene	106	11.513	11.513	(1.007)	197590	5.00000	5.59462
92 m and p-Xylene	106	11.631	11.631	(1.017)	478103	10.0000	11.0381
93 o-Xylene	106	12.125	12.125	(1.060)	214486	5.00000	5.48891
94 Styrene	104	12.134	12.134	(1.061)	314431	5.00000	5.51900
95 Bromoform	173	12.440	12.440	(1.088)	52208	5.00000	5.52332
96 isopropyl benzene	105	12.519	12.519	(0.891)	643097	5.00000	5.64325
98 Cyclohexanone	55	12.716	12.716	(1.112)	48438	200.000	211.924
100 1,1,2,2-Tetrachloroethane	83	12.815	12.815	(0.912)	58527	5.00000	5.54986
102 1,2,3-Trichloropropane	110	12.923	12.923	(0.920)	14582	5.00000	5.52154(Q)
103 Bromobenzene	156	12.963	12.963	(0.923)	143447	5.00000	5.47030
104 n-Propylbenzene	120	12.963	12.963	(0.923)	173244	5.00000	5.56217
106 2-Chlorotoluene	126	13.130	13.130	(0.935)	150821	5.00000	5.55065
105 1,3,5-Trimethylbenzene	105	13.120	13.120	(0.934)	499040	5.00000	5.49862
107 4-Chlorotoluene	126	13.239	13.239	(0.942)	143374	5.00000	5.54813
108 tert-Butylbenzene	119	13.515	13.515	(0.962)	444852	5.00000	5.52761
109 1,2,4-Trimethylbenzene	105	13.564	13.564	(0.966)	491228	5.00000	5.54724
110 sec-Butylbenzene	134	13.761	13.761	(0.980)	140764	5.00000	5.67203
111 4-Isopropyltoluene	119	13.900	13.900	(0.989)	570066	5.00000	5.56038

						AMOUNTS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
112 1,3-Dichlorobenzene	146	13.978	13.978	(0.995)	273807	5.00000	5.40317
114 1,4-dichlorobenzene	146	14.077	14.077	(1.002)	262849	5.00000	5.30542
116 n-Butylbenzene	91	14.393	14.393	(1.025)	586947	5.00000	5.54288
117 1,2-Dichlorobenzene	146	14.560	14.560	(1.037)	213082	5.00000	5.49078
118 1,2-Dibromo-3-chloropropane	157	15.566	15.566	(1.108)	9020	5.00000	5.23800
120 1,2,4-Trichlorobenzene	180	16.779	16.779	(1.194)	145822	5.00000	5.22519
121 Hexachlorobutadiene	225	16.986	16.986	(1.209)	138497	5.00000	5.24373
122 Naphthalene	128	17.243	17.243	(1.227)	136778	5.00000	5.31645
123 1,2,3-Trichlorobenzene	180	17.657	17.657	(1.257)	110001	5.00000	5.28257

QC Flag Legend

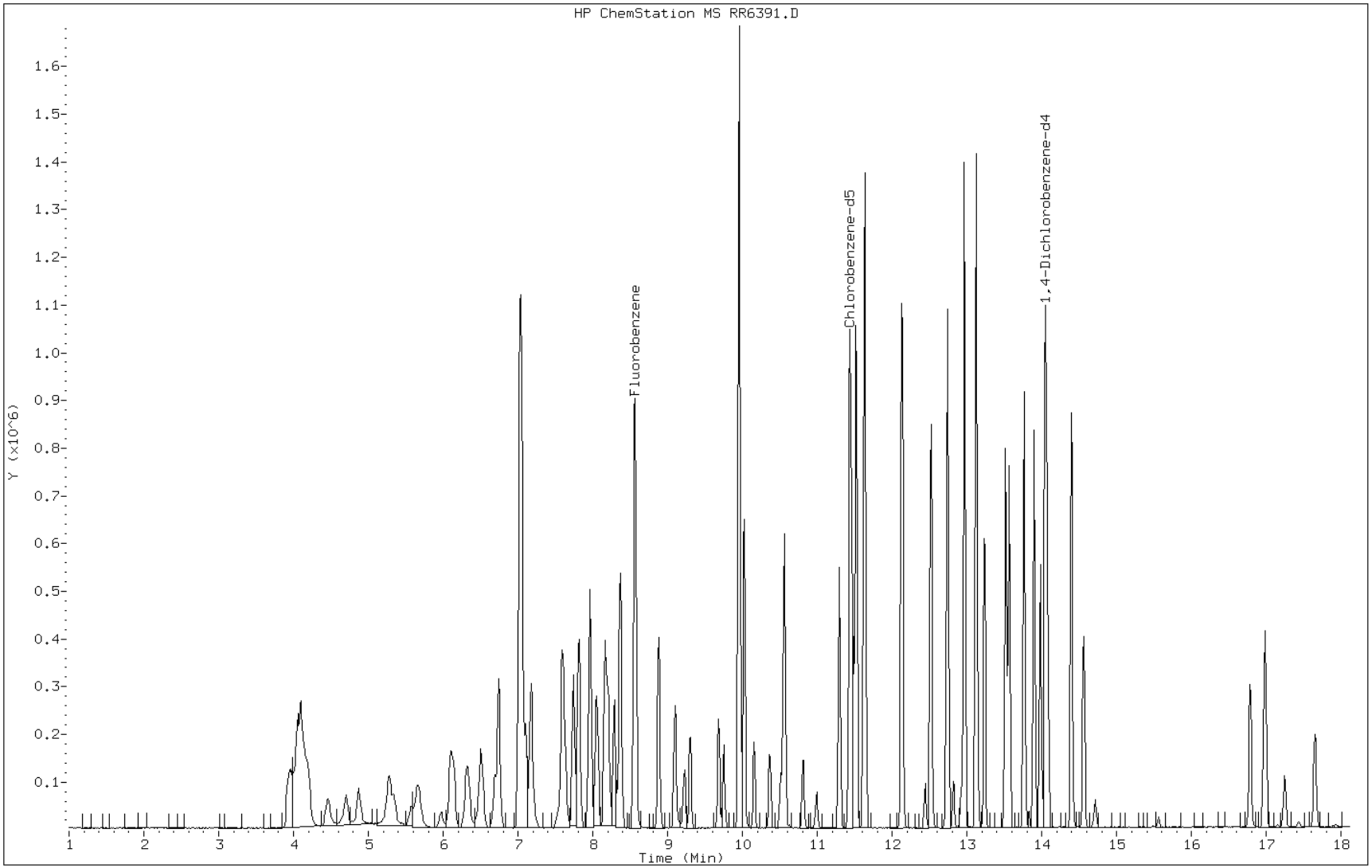
Q - Qualifier signal failed the ratio test.

Data File: RR6391.D

Date: 15-JUN-2012 08:45

Client ID: Instrument: R2.i

Sample Info: IC,,M 5.0 2.5uL Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6392.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 09:07
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 10 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 08:17 Cal File: RR6356.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.565	8.565	(1.000)	1131208	12.5000	
* 88	Chlorobenzene-d5	119	11.435	11.435	(1.000)	240660	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.048	14.048	(1.000)	372674	12.5000	
M 2	1,2-Dichloroethene (total)	96				601701	20.0000	19.1554
M 1	Trihalomethanes (total)	100				1053597	40.0000	37.8143
M 4	1,3-Dichloropropene (total)	100				496362	20.0000	19.2573
M 3	Xylene (total)	106				1318478	30.0000	29.0062
7	dichlorodifluoromethane	85	4.453	4.453	(0.520)	319515	10.0000	10.2386
9	Chloromethane	50	4.709	4.709	(0.550)	259867	10.0000	9.67177
10	Vinyl Chloride	62	4.877	4.877	(0.569)	294376	10.0000	10.1919
12	Bromomethane	94	5.281	5.281	(0.617)	270270	10.0000	10.0015
13	Chloroethane	64	5.350	5.350	(0.625)	179954	10.0000	9.63921
15	Trichlorofluoromethane	101	5.656	5.656	(0.660)	497723	10.0000	10.1879
16	Ethanol	45	5.656	5.656	(0.660)	36228	500.000	513.701
22	Acrolein	56	5.971	5.971	(0.697)	113878	100.000	99.0718
24	Acetone	43	6.080	6.080	(0.710)	87133	40.0000	38.7480
25	1,1-Dichloroethene	96	6.119	6.119	(0.714)	295287	10.0000	9.72980
26	Iodomethane	142	6.317	6.317	(0.738)	597109	10.0000	9.61492
28	Acetonitrile	41	6.366	6.366	(0.743)	76318	100.000	95.8217
31	tert-Butyl alcohol	59	6.464	6.464	(0.755)	107088	200.000	195.989(Q)
32	Methylene Chloride	84	6.504	6.504	(0.759)	244805	10.0000	9.90174
33	Acrylonitrile	53	6.691	6.691	(0.781)	237416	100.000	97.8930

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.741	6.741	(0.787)	313903	10.0000	9.59146
38 Isopropyl ether	87	7.036	7.036	(0.822)	720939	50.0000	48.9512
39 1,1-Dichloroethane	63	7.105	7.105	(0.830)	522606	10.0000	9.64430
40 Chloroprene	53	7.174	7.174	(0.838)	498874	10.0000	9.62554
43 2-Butanone	43	7.529	7.529	(0.879)	121857	40.0000	38.4897
45 cis-1,2-Dichloroethene	96	7.589	7.589	(0.886)	287798	10.0000	9.56398
46 Propionitrile	54	7.608	7.608	(0.888)	85062	100.000	99.1750
47 2,2-Dichloropropane	77	7.618	7.618	(0.889)	419761	10.0000	9.62510
48 Methacrylonitrile	41	7.737	7.737	(0.903)	451726	100.000	97.0620
49 Bromochloromethane	128	7.806	7.806	(0.911)	110200	10.0000	9.69736
50 Chloroform	83	7.815	7.815	(0.913)	495511	10.0000	9.22487
54 1,1,1-Trichloroethane	97	8.052	8.052	(0.940)	479120	10.0000	9.69150
53 Isobutanol	41	8.032	8.032	(0.938)	37215	200.000	197.942
56 1,1-Dichloropropene	75	8.161	8.161	(0.953)	429396	10.0000	9.61481
57 Carbon Tetrachloride	117	8.200	8.200	(0.957)	450016	10.0000	9.66193
60 1,2-Dichloroethane	62	8.358	8.358	(0.976)	223306	10.0000	10.1788
61 Benzene	78	8.368	8.368	(0.977)	967058	10.0000	9.18848
63 n-Butanol	56	8.594	8.594	(1.003)	51192	300.000	276.450
64 Trichloroethene	95	8.880	8.880	(1.037)	300035	10.0000	9.44342
68 1,2-Dichloropropane	63	9.097	9.097	(1.062)	218163	10.0000	9.65177
69 1,4-Dioxane	88	9.157	9.157	(1.069)	30176	500.000	486.561
70 Dibromomethane	93	9.226	9.226	(1.077)	104481	10.0000	9.70658
71 Bromodichloromethane	83	9.295	9.295	(1.085)	285737	10.0000	9.51095
74 cis-1,3-Dichloropropene	75	9.679	9.679	(1.130)	283823	10.0000	9.38165
75 4-Methyl-2-pentanone	43	9.748	9.748	(1.138)	282047	40.0000	40.1562
77 Toluene	91	10.024	10.024	(1.170)	1031955	10.0000	9.82453
79 trans-1,3-Dichloropropene	75	10.153	10.153	(1.185)	212539	10.0000	9.87564
80 1,1,2-Trichloroethane	97	10.370	10.370	(1.211)	106401	10.0000	9.62453
81 2-Hexanone	43	10.508	10.508	(0.919)	191078	40.0000	39.6295
82 1,3-Dichloropropane	76	10.547	10.547	(0.922)	195065	10.0000	9.44911
83 Tetrachloroethene	164	10.557	10.557	(0.923)	286783	10.0000	9.64199
84 Dibromochloromethane	129	10.813	10.813	(0.946)	174428	10.0000	9.52953
86 1,2-Dibromoethane	107	10.991	10.991	(0.961)	118028	10.0000	9.63679
87 1-Chlorohexane	91	11.296	11.296	(0.988)	423079	10.0000	9.79824
89 Chlorobenzene	112	11.464	11.464	(1.003)	649530	10.0000	9.31863
90 1,1,1,2-Tetrachloroethane	131	11.513	11.513	(1.007)	218470	10.0000	9.35533
91 Ethylbenzene	106	11.513	11.513	(1.007)	373941	10.0000	9.75948
92 m and p-Xylene	106	11.632	11.632	(1.017)	907786	20.0000	19.3185
93 o-Xylene	106	12.125	12.125	(1.060)	410692	10.0000	9.68772
94 Styrene	104	12.135	12.135	(1.061)	611115	10.0000	9.88726
95 Bromoform	173	12.440	12.440	(1.088)	97921	10.0000	9.54899
96 isopropyl benzene	105	12.519	12.519	(0.891)	1214101	10.0000	9.70160
98 Cyclohexanone	55	12.716	12.716	(1.112)	94686	400.000	381.855
100 1,1,2,2-Tetrachloroethane	83	12.815	12.815	(0.912)	112566	10.0000	9.81188
102 1,2,3-Trichloropropane	110	12.924	12.924	(0.920)	28405	10.0000	9.79429
103 Bromobenzene	156	12.963	12.963	(0.923)	275687	10.0000	9.57352
104 n-Propylbenzene	120	12.963	12.963	(0.923)	335024	10.0000	9.79484
106 2-Chlorotoluene	126	13.131	13.131	(0.935)	284641	10.0000	9.53927
105 1,3,5-Trimethylbenzene	105	13.121	13.121	(0.934)	959611	10.0000	9.62828
107 4-Chlorotoluene	126	13.229	13.229	(0.942)	272541	10.0000	9.60381
108 tert-Butylbenzene	119	13.515	13.515	(0.962)	864300	10.0000	9.77962
109 1,2,4-Trimethylbenzene	105	13.565	13.565	(0.966)	933196	10.0000	9.59627
110 sec-Butylbenzene	134	13.762	13.762	(0.980)	266157	10.0000	9.76608
111 4-Isopropyltoluene	119	13.900	13.900	(0.989)	1077544	10.0000	9.57084

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
112 1,3-Dichlorobenzene	146	13.979	13.979	(0.995)	528843	10.0000	9.50313
114 1,4-dichlorobenzene	146	14.077	14.077	(1.002)	503454	10.0000	9.25356
116 n-Butylbenzene	91	14.393	14.393	(1.025)	1094377	10.0000	9.41108
117 1,2-Dichlorobenzene	146	14.561	14.561	(1.037)	406080	10.0000	9.52871
118 1,2-Dibromo-3-chloropropane	157	15.566	15.566	(1.108)	18468	10.0000	9.76595
120 1,2,4-Trichlorobenzene	180	16.779	16.779	(1.194)	290025	10.0000	9.46346
121 Hexachlorobutadiene	225	16.986	16.986	(1.209)	259455	10.0000	8.94536
122 Naphthalene	128	17.243	17.243	(1.227)	275771	10.0000	9.76089
123 1,2,3-Trichlorobenzene	180	17.647	17.647	(1.256)	220652	10.0000	9.64921

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR6392.D

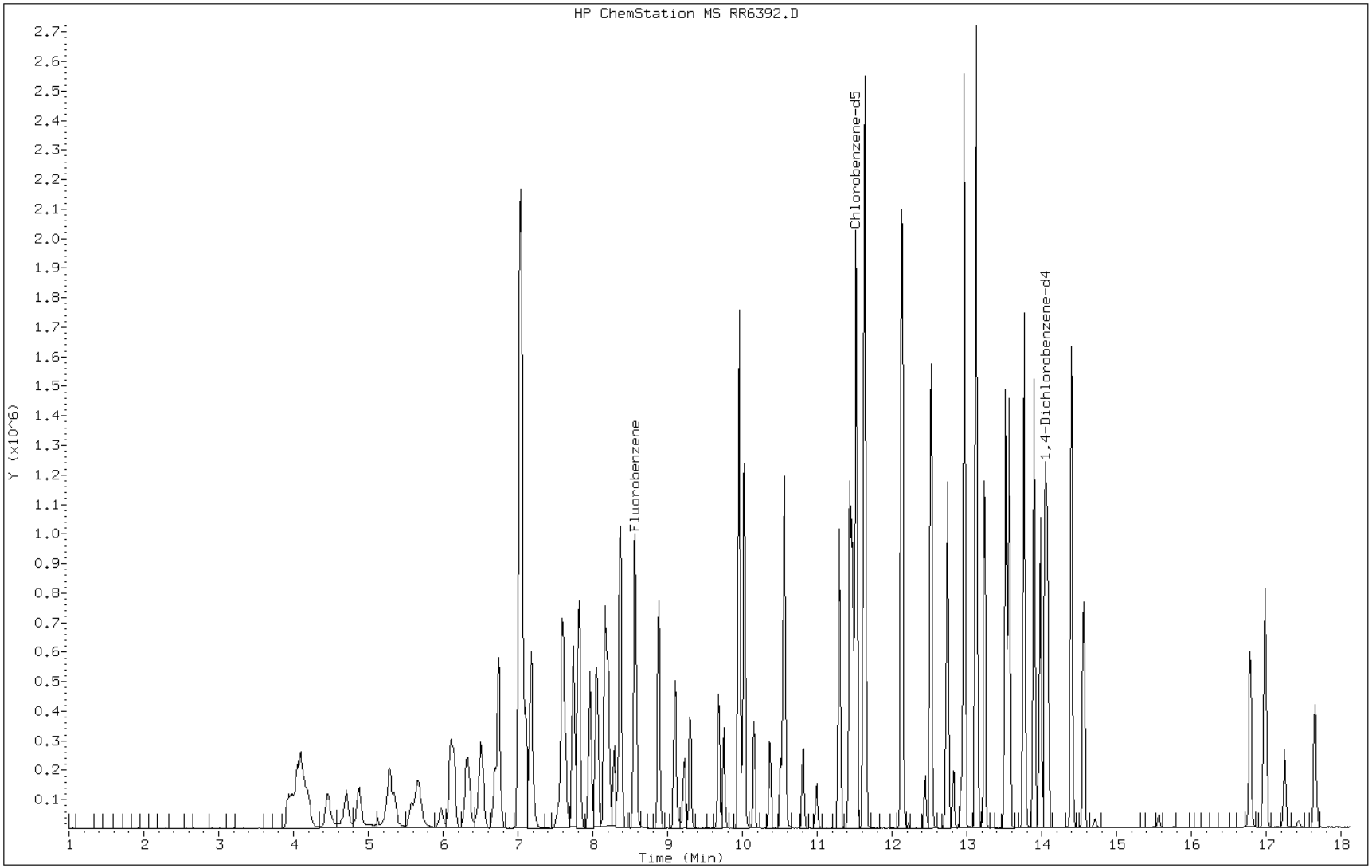
Date: 15-JUN-2012 09:07

Client ID:

Instrument: R2.i

Sample Info: IC,,M 10 5uL

Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6393.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 09:30
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 30 15uL
Misc Info :
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Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 08:39 Cal File: RR6357.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.566	8.566	(1.000)	1167221	12.5000	
* 88	Chlorobenzene-d5	119	11.435	11.435	(1.000)	241307	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.048	14.048	(1.000)	382860	12.5000	
M 2	1,2-Dichloroethene (total)	96				1876476	60.0000	57.9364
M 1	Trihalomethanes (total)	100				3381195	120.000	119.627
M 4	1,3-Dichloropropene (total)	100				1632422	60.0000	61.3210
M 3	Xylene (total)	106				4233844	90.0000	92.8585
7	dichlorodifluoromethane	85	4.453	4.453	(0.520)	969592	30.0000	30.1112
9	Chloromethane	50	4.700	4.700	(0.549)	777372	30.0000	28.0397
10	Vinyl Chloride	62	4.877	4.877	(0.569)	883176	30.0000	29.6341
12	Bromomethane	94	5.282	5.282	(0.617)	782617	30.0000	28.0675
13	Chloroethane	64	5.351	5.351	(0.625)	530103	30.0000	27.5188
15	Trichlorofluoromethane	101	5.656	5.656	(0.660)	1541013	30.0000	30.5698
16	Ethanol	45	5.647	5.647	(0.659)	104745	1500.00	1439.42
22	Acrolein	56	5.972	5.972	(0.697)	357758	300.000	301.640
24	Acetone	43	6.090	6.090	(0.711)	257466	120.000	124.167
25	1,1-Dichloroethene	96	6.110	6.110	(0.713)	874743	30.0000	27.9338
26	Iodomethane	142	6.317	6.317	(0.738)	1829151	30.0000	28.5451
28	Acetonitrile	41	6.366	6.366	(0.743)	211668	300.000	257.562
31	tert-Butyl alcohol	59	6.465	6.465	(0.755)	329867	600.000	585.084
32	Methylene Chloride	84	6.505	6.505	(0.759)	733686	30.0000	30.3231
33	Acrylonitrile	53	6.692	6.692	(0.781)	739916	300.000	295.674

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
35 trans-1,2-Dichloroethene	96	6.741	6.741	(0.787)	963142	30.0000	28.5213
38 Isopropyl ether	87	7.037	7.037	(0.822)	2281827	150.000	150.154
39 1,1-Dichloroethane	63	7.106	7.106	(0.830)	1618005	30.0000	28.9378
40 Chloroprene	53	7.175	7.175	(0.838)	1610782	30.0000	30.1204
43 2-Butanone	43	7.530	7.530	(0.879)	393752	120.000	120.533
45 cis-1,2-Dichloroethene	96	7.589	7.589	(0.886)	913334	30.0000	29.4151
46 Propionitrile	54	7.609	7.609	(0.888)	261936	300.000	295.972
47 2,2-Dichloropropane	77	7.619	7.619	(0.889)	1278653	30.0000	28.4148
48 Methacrylonitrile	41	7.737	7.737	(0.903)	1421494	300.000	296.012
49 Bromochloromethane	128	7.806	7.806	(0.911)	351070	30.0000	29.9402
50 Chloroform	83	7.816	7.816	(0.913)	1583967	30.0000	28.5787
54 1,1,1-Trichloroethane	97	8.053	8.053	(0.940)	1512290	30.0000	29.6463
53 Isobutanol	41	8.033	8.033	(0.938)	115790	600.000	596.870
56 1,1-Dichloropropene	75	8.161	8.161	(0.953)	1373881	30.0000	29.8141
57 Carbon Tetrachloride	117	8.201	8.201	(0.957)	1420630	30.0000	29.5601
60 1,2-Dichloroethane	62	8.349	8.349	(0.975)	708403	30.0000	31.2944
61 Benzene	78	8.368	8.368	(0.977)	3141757	30.0000	28.9303
63 n-Butanol	56	8.585	8.585	(1.002)	150176	900.000	882.527
64 Trichloroethene	95	8.881	8.881	(1.037)	991787	30.0000	30.2528
68 1,2-Dichloropropane	63	9.098	9.098	(1.062)	694574	30.0000	29.7806
69 1,4-Dioxane	88	9.157	9.157	(1.069)	99904	1500.00	1561.16
70 Dibromomethane	93	9.226	9.226	(1.077)	331594	30.0000	29.8555
71 Bromodichloromethane	83	9.295	9.295	(1.085)	921244	30.0000	29.7181
74 cis-1,3-Dichloropropene	75	9.680	9.680	(1.130)	937879	30.0000	30.0447
75 4-Methyl-2-pentanone	43	9.749	9.749	(1.138)	886461	120.000	122.315
77 Toluene	91	10.015	10.015	(1.169)	3230723	30.0000	29.8085
79 trans-1,3-Dichloropropene	75	10.153	10.153	(1.185)	694543	30.0000	31.2763
80 1,1,2-Trichloroethane	97	10.360	10.360	(1.210)	338681	30.0000	29.6902
81 2-Hexanone	43	10.508	10.508	(0.919)	587901	120.000	121.604
82 1,3-Dichloropropane	76	10.548	10.548	(0.922)	606627	30.0000	29.3067
83 Tetrachloroethene	164	10.558	10.558	(0.923)	920319	30.0000	30.8593
84 Dibromochloromethane	129	10.804	10.804	(0.945)	557985	30.0000	30.4027
86 1,2-Dibromoethane	107	10.991	10.991	(0.961)	374886	30.0000	30.5268
87 1-Chlorohexane	91	11.287	11.287	(0.987)	1329385	30.0000	30.7051
89 Chlorobenzene	112	11.465	11.465	(1.003)	2028987	30.0000	29.0313
90 1,1,1,2-Tetrachloroethane	131	11.514	11.514	(1.007)	715019	30.0000	30.5365
91 Ethylbenzene	106	11.514	11.514	(1.007)	1179831	30.0000	30.7098
92 m and p-Xylene	106	11.632	11.632	(1.017)	2930423	60.0000	62.1948
93 o-Xylene	106	12.125	12.125	(1.060)	1303421	30.0000	30.6637
94 Styrene	104	12.135	12.135	(1.061)	1972668	30.0000	31.8303
95 Bromoform	173	12.441	12.441	(1.088)	317999	30.0000	30.9272
96 isopropyl benzene	105	12.520	12.520	(0.891)	3904794	30.0000	30.3722
98 Cyclohexanone	55	12.717	12.717	(1.112)	310036	1200.00	1246.98
100 1,1,2,2-Tetrachloroethane	83	12.816	12.816	(0.912)	352180	30.0000	30.1312
102 1,2,3-Trichloropropane	110	12.914	12.914	(0.919)	91077	30.0000	30.5686(Q)
103 Bromobenzene	156	12.964	12.964	(0.923)	909471	30.0000	30.7421
104 n-Propylbenzene	120	12.964	12.964	(0.923)	1057544	30.0000	30.0960
106 2-Chlorotoluene	126	13.131	13.131	(0.935)	928221	30.0000	30.2802
105 1,3,5-Trimethylbenzene	105	13.121	13.121	(0.934)	3193116	30.0000	31.1858
107 4-Chlorotoluene	126	13.230	13.230	(0.942)	875452	30.0000	30.0285
108 tert-Butylbenzene	119	13.516	13.516	(0.962)	2758088	30.0000	30.3777
109 1,2,4-Trimethylbenzene	105	13.565	13.565	(0.966)	3019990	30.0000	30.2290
110 sec-Butylbenzene	134	13.762	13.762	(0.980)	862018	30.0000	30.7884
111 4-Isopropyltoluene	119	13.900	13.900	(0.989)	3582028	30.0000	30.9694

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
112 1,3-Dichlorobenzene	146	13.979	13.979	(0.995)	1718306	30.0000	30.0559
114 1,4-dichlorobenzene	146	14.078	14.078	(1.002)	1634592	30.0000	29.2447
116 n-Butylbenzene	91	14.394	14.394	(1.025)	3612731	30.0000	30.2411
117 1,2-Dichlorobenzene	146	14.561	14.561	(1.036)	1326574	30.0000	30.3000
118 1,2-Dibromo-3-chloropropane	157	15.567	15.567	(1.108)	59651	30.0000	30.7045
120 1,2,4-Trichlorobenzene	180	16.780	16.780	(1.194)	968879	30.0000	30.7732
121 Hexachlorobutadiene	225	16.977	16.977	(1.208)	883618	30.0000	29.6544
122 Naphthalene	128	17.243	17.243	(1.227)	918216	30.0000	31.6355
123 1,2,3-Trichlorobenzene	180	17.648	17.648	(1.256)	715189	30.0000	30.4435

QC Flag Legend

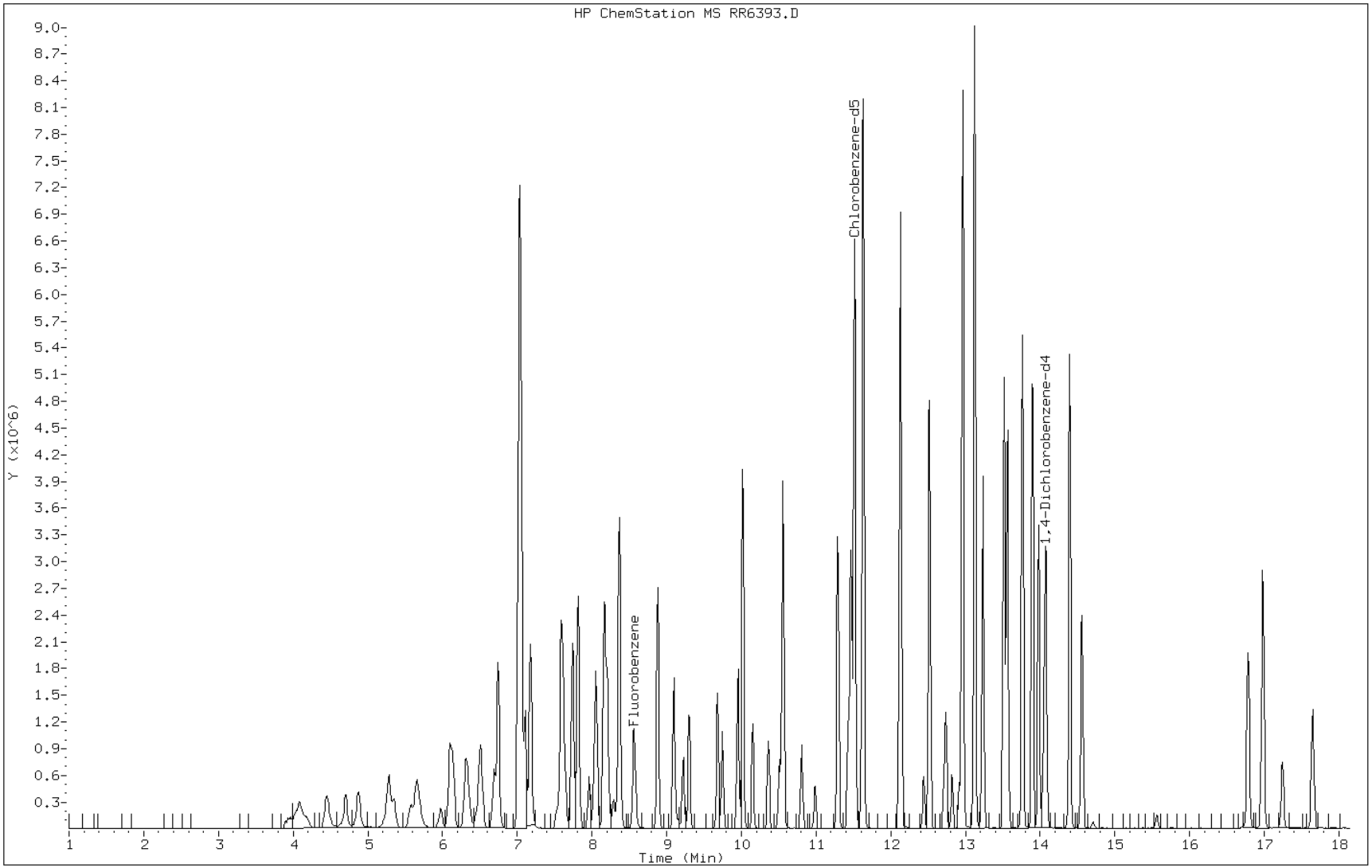
Q - Qualifier signal failed the ratio test.

Data File: RR6393.D

Date: 15-JUN-2012 09:30

Client ID: Instrument: R2.i

Sample Info: IC,,M 30 15uL Operator: DOBRANSKYM



TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6394.D
Lab Smp Id: IC
Inj Date : 15-JUN-2012 09:52
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : IC,,M 60 30uL
Misc Info :
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Meth Date : 15-Jun-2012 13:53 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62	Fluorobenzene	96	8.559	8.555	(1.000)	1270557	12.5000	
* 88	Chlorobenzene-d5	119	11.439	11.425	(1.000)	268496	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.052	14.038	(1.000)	413597	12.5000	
M 2	1,2-Dichloroethene (total)	96				4057069	120.000	115.117
M 1	Trihalomethanes (total)	100				7358854	240.000	236.983
M 4	1,3-Dichloropropene (total)	100				3528223	120.000	121.532
M 3	Xylene (total)	106				9368163	180.000	184.716
7	dichlorodifluoromethane	85	4.447	4.447	(0.520)	1913520	60.0000	54.5922
9	Chloromethane	50	4.704	4.704	(0.550)	1644300	60.0000	54.4859
10	Vinyl Chloride	62	4.871	4.871	(0.569)	1809301	60.0000	55.7717
12	Bromomethane	94	5.285	5.285	(0.618)	1655442	60.0000	54.5416
13	Chloroethane	64	5.354	5.354	(0.626)	1110468	60.0000	52.9583
15	Trichlorofluoromethane	101	5.660	5.660	(0.661)	3106492	60.0000	56.6130
16	Ethanol	45	5.670	5.670	(0.662)	235730	3000.00	2975.98
22	Acrolein	56	5.976	5.976	(0.698)	770894	600.000	597.109
24	Acetone	43	6.084	6.084	(0.711)	522936	240.000	237.819
25	1,1-Dichloroethene	96	6.133	6.133	(0.717)	1877764	60.0000	55.0870
26	Iodomethane	142	6.311	6.311	(0.737)	4085287	60.0000	58.5684
28	Acetonitrile	41	6.360	6.360	(0.743)	458541	600.000	512.582
31	tert-Butyl alcohol	59	6.459	6.459	(0.755)	733287	1200.00	1194.85
32	Methylene Chloride	84	6.508	6.508	(0.760)	1554552	60.0000	59.8007
33	Acrylonitrile	53	6.686	6.686	(0.781)	1536241	600.000	563.961
35	trans-1,2-Dichloroethene	96	6.745	6.745	(0.788)	2064700	60.0000	56.1687

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
38 Isopropyl ether	87	7.031	7.031	(0.821)	5091301	300.000	307.781(A)
39 1,1-Dichloroethane	63	7.110	7.110	(0.831)	3499530	60.0000	57.4982
40 Chloroprene	53	7.179	7.179	(0.839)	3404770	60.0000	58.4885
43 2-Butanone	43	7.524	7.524	(0.879)	823447	240.000	231.567
45 cis-1,2-Dichloroethene	96	7.583	7.583	(0.886)	1992369	60.0000	58.9480
46 Propionitrile	54	7.613	7.613	(0.889)	565986	600.000	587.517
47 2,2-Dichloropropane	77	7.613	7.613	(0.889)	2760959	60.0000	56.3652
48 Methacrylonitrile	41	7.741	7.741	(0.904)	3030913	600.000	579.824
49 Bromochloromethane	128	7.810	7.810	(0.912)	761765	60.0000	59.6817
50 Chloroform	83	7.820	7.820	(0.914)	3448295	60.0000	57.1557
54 1,1,1-Trichloroethane	97	8.056	8.056	(0.941)	3281463	60.0000	59.0966
53 Isobutanol	41	8.037	8.037	(0.939)	251476	1200.00	1190.87
56 1,1-Dichloropropene	75	8.165	8.165	(0.954)	2899163	60.0000	57.7968
57 Carbon Tetrachloride	117	8.204	8.204	(0.959)	3038969	60.0000	58.0912
60 1,2-Dichloroethane	62	8.352	8.352	(0.976)	1511106	60.0000	61.3253(A)
61 Benzene	78	8.372	8.372	(0.978)	6745735	60.0000	57.0649
63 n-Butanol	56	8.589	8.589	(1.003)	325665	1800.00	1810.14(A)
64 Trichloroethene	95	8.875	8.875	(1.037)	2127679	60.0000	59.6227
68 1,2-Dichloropropane	63	9.102	9.102	(1.063)	1495870	60.0000	58.9207
69 1,4-Dioxane	88	9.161	9.161	(1.070)	210678	3000.00	3024.43(A)
70 Dibromomethane	93	9.220	9.220	(1.077)	714016	60.0000	59.0588
71 Bromodichloromethane	83	9.299	9.299	(1.086)	1989941	60.0000	58.9720
74 cis-1,3-Dichloropropene	75	9.684	9.684	(1.131)	2045848	60.0000	60.2079(A)
75 4-Methyl-2-pentanone	43	9.743	9.743	(1.138)	1877122	240.000	237.942
77 Toluene	91	10.019	10.019	(1.171)	7062780	60.0000	59.8653
79 trans-1,3-Dichloropropene	75	10.157	10.157	(1.187)	1482375	60.0000	61.3244(A)
80 1,1,2-Trichloroethane	97	10.364	10.364	(1.211)	737265	60.0000	59.3753
81 2-Hexanone	43	10.512	10.512	(0.919)	1238894	240.000	230.308
82 1,3-Dichloropropane	76	10.551	10.551	(0.922)	1305219	60.0000	56.6710
83 Tetrachloroethene	164	10.561	10.561	(0.923)	2000513	60.0000	60.2866(A)
84 Dibromochloromethane	129	10.808	10.808	(0.945)	1223273	60.0000	59.9025
86 1,2-Dibromoethane	107	10.985	10.985	(0.960)	815744	60.0000	59.6990
87 1-Chlorohexane	91	11.291	11.291	(0.987)	2815227	60.0000	58.4394
89 Chlorobenzene	112	11.468	11.468	(1.003)	4485069	60.0000	57.6751
90 1,1,1,2-Tetrachloroethane	131	11.518	11.518	(1.007)	1607419	60.0000	61.6968(A)
91 Ethylbenzene	106	11.518	11.518	(1.007)	2593746	60.0000	60.6760(A)
92 m and p-Xylene	106	11.636	11.636	(1.017)	6456936	120.000	123.164(A)
93 o-Xylene	106	12.129	12.129	(1.060)	2911227	60.0000	61.5528(A)
94 Styrene	104	12.129	12.129	(1.060)	4501646	60.0000	65.2816(A)
95 Bromoform	173	12.445	12.445	(1.088)	697345	60.0000	60.9530(A)
96 isopropyl benzene	105	12.514	12.514	(0.891)	8521869	60.0000	61.3585(A)
98 Cyclohexanone	55	12.721	12.721	(1.112)	648328	2400.00	2343.55
100 1,1,2,2-Tetrachloroethane	83	12.819	12.819	(0.912)	752032	60.0000	59.6789
102 1,2,3-Trichloropropane	110	12.918	12.918	(0.919)	193520	60.0000	60.1251(AQ)
103 Bromobenzene	156	12.967	12.967	(0.923)	2060966	60.0000	64.4878(A)
104 n-Propylbenzene	120	12.967	12.967	(0.923)	2356619	60.0000	62.0816(A)
106 2-Chlorotoluene	126	13.135	13.135	(0.935)	2064231	60.0000	62.3344(A)
105 1,3,5-Trimethylbenzene	105	13.125	13.125	(0.934)	7096193	60.0000	64.1550(A)
107 4-Chlorotoluene	126	13.234	13.234	(0.942)	1928388	60.0000	61.2291(A)
108 tert-Butylbenzene	119	13.520	13.520	(0.962)	6041554	60.0000	61.5968(A)
109 1,2,4-Trimethylbenzene	105	13.569	13.569	(0.966)	6748010	60.0000	62.5255(A)
110 sec-Butylbenzene	134	13.766	13.766	(0.980)	1865257	60.0000	61.6698(A)
111 4-Isopropyltoluene	119	13.904	13.904	(0.989)	7747914	60.0000	62.0085(A)
112 1,3-Dichlorobenzene	146	13.983	13.983	(0.995)	3747144	60.0000	60.6725(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
114 1,4-dichlorobenzene	146	14.082	14.082	(1.002)	3521412	60.0000	58.3200
116 n-Butylbenzene	91	14.397	14.397	(1.025)	7774732	60.0000	60.2434(A)
117 1,2-Dichlorobenzene	146	14.565	14.565	(1.036)	2889015	60.0000	61.0835(A)
118 1,2-Dibromo-3-chloropropane	157	15.571	15.571	(1.108)	131507	60.0000	62.6607(A)
120 1,2,4-Trichlorobenzene	180	16.784	16.784	(1.194)	2111392	60.0000	62.0776(A)
121 Hexachlorobutadiene	225	16.981	16.981	(1.208)	1856369	60.0000	57.6702
122 Naphthalene	128	17.247	17.247	(1.227)	2011769	60.0000	64.1609(A)
123 1,2,3-Trichlorobenzene	180	17.651	17.651	(1.256)	1557829	60.0000	61.3840(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: RR6394.D

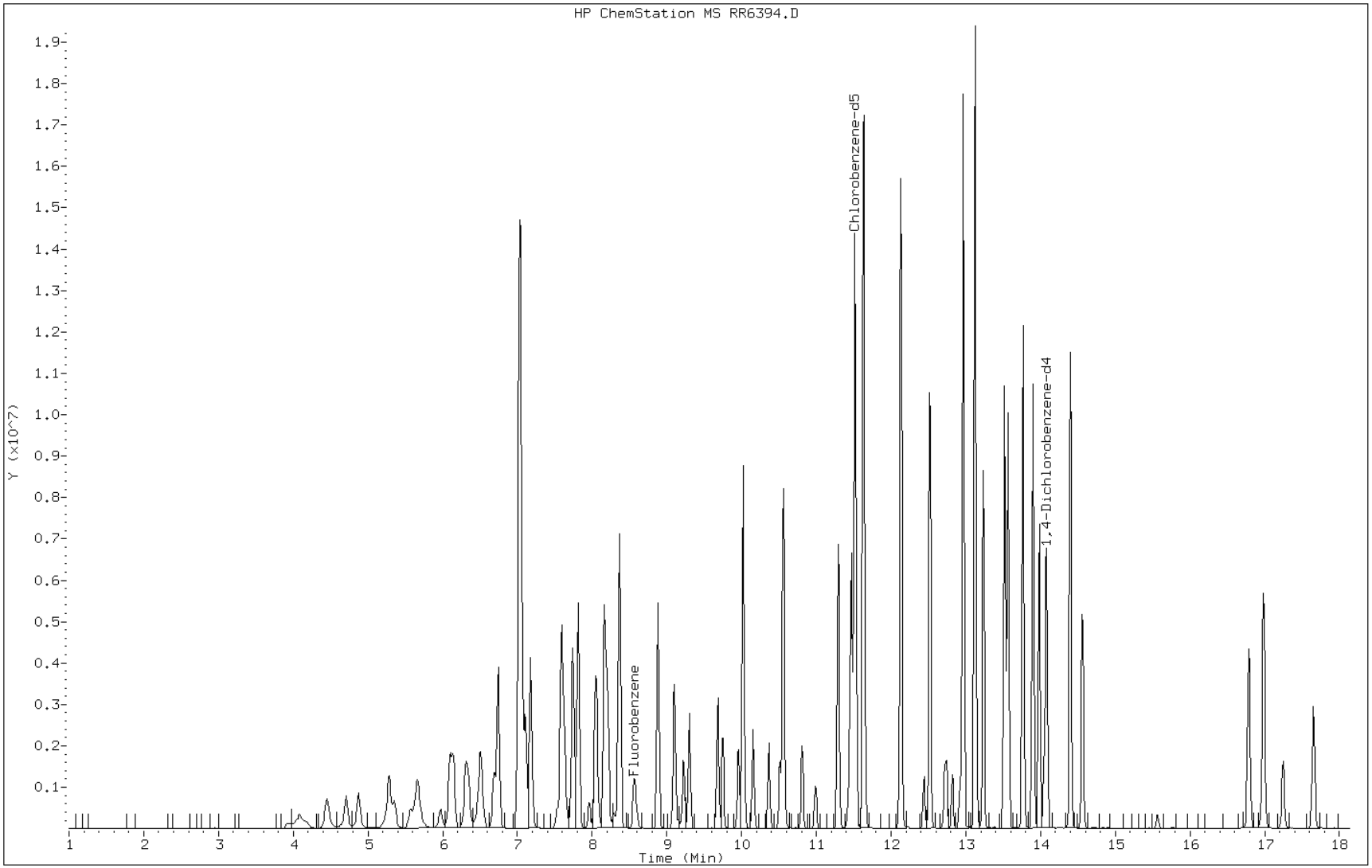
Date: 15-JUN-2012 09:52

Client ID:

Instrument: R2.i

Sample Info: IC,,M 60 30uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Lab Sample ID: ICV 280-124040/9 Calibration Date: 06/14/2012 09:46

Instrument ID: MSV_R2 Calib Start Date: 06/14/2012 07:32

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/14/2012 09:23

Lab File ID: RR6360.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.7189	0.7829		10.9	10.0	8.9	50.0
Ethyl ether	Ave	0.1209	0.1228		10.2	10.0	1.5	35.0
Isopropyl alcohol	Ave	0.0047	0.0048		201	200	0.3	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.5501	0.6119		11.1	10.0	11.2	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2920	0.3286		11.3	10.0	12.5	35.0
Methyl acetate	Ave	0.0607	0.0620		51.1	50.0	2.2	55.0
Allyl chloride	Ave	0.4807	0.5216		10.9	10.0	8.5	35.0
Carbon disulfide	Ave	1.356	1.313		9.68	10.0	-3.2	20.0
Methyl tert-butyl ether	Ave	0.3366	0.3546		10.5	10.0	5.3	20.0
Hexane	Ave	2.336	2.308		9.88	10.0	-1.2	20.0
Vinyl acetate	Ave	0.2479	0.2209		17.8	20.0	-10.9	55.0
Tert-butyl ethyl ether	Ave	0.5682	0.6036		53.1	50.0	6.2	35.0
Ethyl acetate	Ave	0.0944	0.0986		20.9	20.0	4.4	55.0
2-Butanol	Ave	0.0052	0.0052		302	301	0.3	50.0
Tetrahydrofuran	Ave	0.0208	0.0207		19.9	20.0	-0.6	55.0
Cyclohexane	Ave	0.5574	0.6182		11.1	10.0	10.9	35.0
Tert-amyl methyl ether	Ave	0.4054	0.4192		51.7	50.0	3.4	35.0
2-Pentanone	Ave	0.0635	0.0700		44.1	40.0	10.3	55.0
Methyl methacrylate	Ave	0.0214	0.0223		20.8	20.0	4.0	35.0
Methylcyclohexane	Ave	0.4888	0.5405		11.1	10.0	10.6	35.0
2-Chloroethyl vinyl ether	Ave	0.0583	0.0620		10.6	10.0	6.4	55.0
2-Nitropropane	Ave	0.0220	0.0232		10.5	10.0	5.4	55.0
Ethyl methacrylate	Ave	0.6161	0.6319		20.5	20.0	2.6	35.0
cis-1,4-Dichloro-2-butene	Ave	0.1110	0.1031		9.29	10.0	-7.1	55.0
trans-1,4-Dichloro-2-butene	Lin1	0.0907	0.0916		9.22	10.0	-7.8	55.0
Dibromofluoromethane (Surr)	Lin2	0.4864	0.4306		9.90	10.0	-1.0	35.0
1,2-Dichloroethane-d4 (Surr)	Lin	0.3193	0.2783		9.71	10.0	-2.9	35.0
Toluene-d8 (Surr)	Lin1	7.226	6.252		9.96	10.0	-0.4	35.0
4-Bromofluorobenzene (Surr)	Lin2	1.493	1.286		9.74	10.0	-2.6	35.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6360.D
Lab Smp Id: ICV
Inj Date : 14-JUN-2012 09:46
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,S 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\8260B-H2O.m
Meth Date : 14-Jun-2012 15:05 DobranskyM Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	8.564	8.561	(1.000)	995420	12.5000	
* 88 Chlorobenzene-d5	119	11.434	11.431	(1.000)	212474	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.047	14.044	(1.000)	296826	12.5000	
$ 52 Dibromofluoromethane (Surr)	111	7.963	7.959	(0.930)	342936	9.90226	9.90226
$ 58 1,2-Dichloroethane-d4	65	8.288	8.285	(0.968)	221616	9.71038	9.71038
$ 76 Toluene-d8	98	9.955	9.951	(0.871)	1062636	9.96483	9.96483
$ 99 4-Bromofluorobenzene (Surr)	95	12.736	12.742	(0.907)	305256	9.74242	9.74242
11 Ethylene Oxide	43	5.192	5.198	(0.606)	460316	1180.91	1180.91
14 Dichlorofluoromethane	67	5.527	5.534	(0.645)	623465	10.8906	10.8906
17 1,2-dichloro-1,1,2-trifluoroe	117	5.803	5.810	(0.678)	306920	11.1078	11.1078
21 Propylene Oxide	58	5.912	5.908	(0.690)	784590	545.126	545.126
19 Ethyl Ether	59	5.783	5.790	(0.675)	97762	10.1545	10.1545
20 2,2-dichloro-1,1,1-trifluoroe	83	5.852	5.849	(0.683)	487303	11.1244	11.1244
23 Trichlorotrifluoroethane	151	6.089	6.096	(0.711)	261695	11.2550	11.2550
18 2-propanol	45	5.783	5.790	(0.675)	75776	200.578	200.578
27 Methyl Acetate	43	6.336	6.332	(0.740)	246968	51.0902	51.0902
29 Allyl Chloride	41	6.395	6.391	(0.747)	415364	10.8500	10.8500
30 Carbon Disulfide	76	6.405	6.411	(0.748)	1045258	9.68031	9.68031
34 Methyl t-butyl ether	73	6.691	6.687	(0.781)	282405	10.5348	10.5348
36 Hexane	57	6.908	6.904	(0.604)	392252	9.87848	9.87848
37 Vinyl acetate	43	7.026	7.023	(0.820)	351806	17.8233	17.8233
41 ETBE	59	7.341	7.348	(0.857)	2403291	53.1105	53.1105

						CONCENTRATIONS	
	QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
42 Ethyl Acetate	43	7.499	7.496	(0.876)	157069	20.8897	20.8897
44 2-Butanol	45	7.568	7.565	(0.884)	125886	302.245	302.245
51 Tetrahydrofuran	42	7.835	7.841	(0.915)	32948	19.8799	19.8799
55 Cyclohexane	56	8.121	8.127	(0.948)	492284	11.0901	11.0901
59 TAME	73	8.337	8.344	(0.974)	1668941	51.7015	51.7014
65 2-Pentanone	43	8.929	8.926	(1.043)	223053	44.1056	44.1056
67 Methyl Cyclohexane	55	9.087	9.084	(1.061)	430415	11.0565	11.0565
66 Methyl Methacrylate	100	9.028	9.024	(1.054)	35455	20.8029	20.8029
73 2-nitropropane	41	9.471	9.478	(1.106)	18440	10.5393	10.5393
72 2-Chloroethyl vinyl ether	63	9.462	9.458	(1.105)	49377	10.6398	10.6398
78 Ethyl methacrylate	69	10.122	10.119	(0.885)	214822	20.5138	20.5138
85 Tetrahydrothiophene	60	10.862	10.859	(0.950)	39878	8.05930	8.05930
97 cis-1,4-dichloro-2-butene	53	12.568	12.574	(0.895)	24470	9.28763	9.28763
101 t-1,4-Dichloro-2-butene	53	12.874	12.870	(0.916)	21754	9.21640	9.21640
115 1,2,3-Trimethylbenzene	105	14.087	14.083	(1.003)	764269	10.3246	10.3246
119 Tetralin	104	Compound Not Detected.					

Data File: RR6360.D

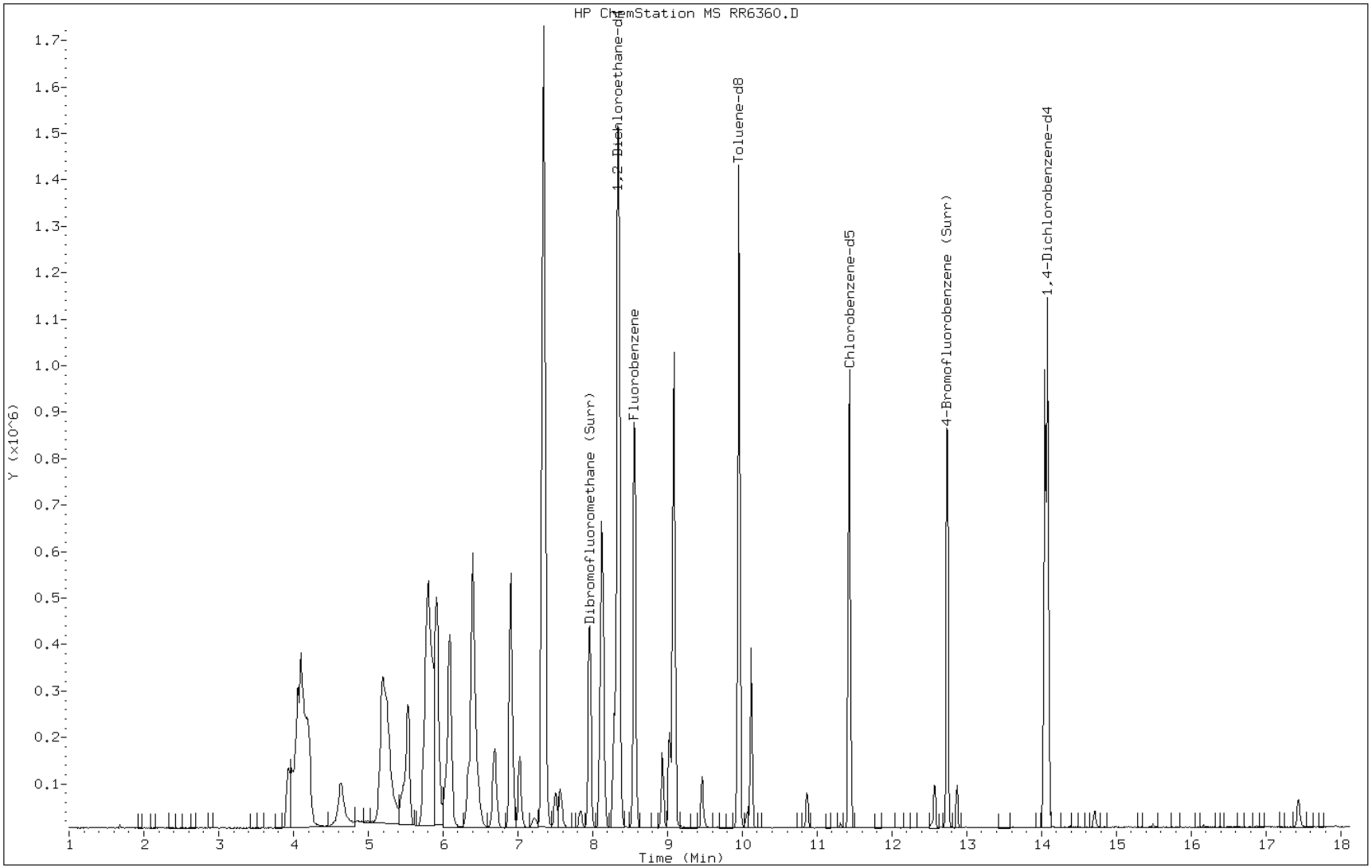
Date: 14-JUN-2012 09:46

Client ID:

Instrument: R2.i

Sample Info: ICV,,S 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Lab Sample ID: ICV 280-124226/10 Calibration Date: 06/15/2012 10:15

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6395.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Ave	0.0008	0.0009		227	200	13.5	50.0
2-Chloro-1,3-butadiene	Ave	0.5727	0.5547		9.69	10.0	-3.1	35.0
Propionitrile	Ave	0.0095	0.0095		100	100	0.2	35.0
Methacrylonitrile	Ave	0.0514	0.0534		104	100	3.7	50.0
Isobutyl alcohol	Ave	0.0021	0.0021		201	200	0.6	50.0
1,4-Dioxane	Ave	0.0007	0.0007		199	200	-0.3	55.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6395.D
Lab Smp Id: ICV
Inj Date : 15-JUN-2012 10:15
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,MB 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvmb.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	8.564	8.559	(1.000)	1228623	12.5000	
* 88 Chlorobenzene-d5	119	11.433	11.439	(1.000)	256376	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.046	14.052	(1.000)	350169	12.5000	(Q)
16 Ethanol	45	5.654	5.670	(0.660)	17394	227.086	227.086
40 Chloroprene	53	7.183	7.179	(0.839)	545204	9.68539	9.68539
46 Propionitrile	54	7.607	7.613	(0.888)	93354	100.213	100.213
48 Methacrylonitrile	41	7.745	7.741	(0.904)	524389	103.741	103.741
53 Isobutanol	41	8.041	8.037	(0.939)	41077	201.160	201.160
69 1,4-Dioxane	88	9.165	9.161	(1.070)	13426	199.318	199.318(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6395.D

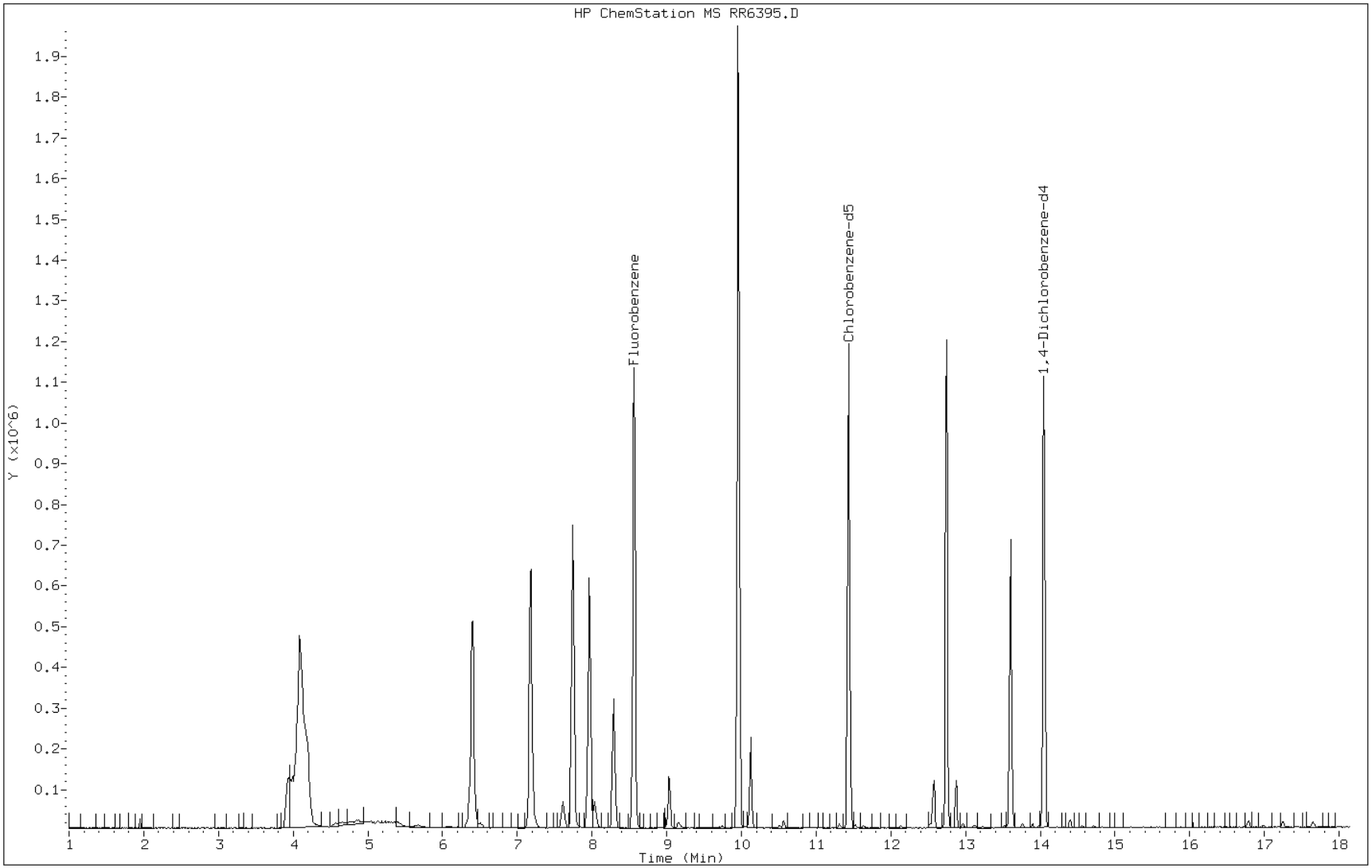
Date: 15-JUN-2012 10:15

Client ID:

Instrument: R2.i

Sample Info: ICV,,MB 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Lab Sample ID: ICV 280-124226/11 Calibration Date: 06/15/2012 10:37

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6396.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3471	0.3470		20.0	20.0	-0.0	20.0
Xylenes, Total	Ave	2.361	2.385		30.3	30.0	1.0	35.0
Dichlorodifluoromethane	Ave	0.3448	0.3205		9.29	10.0	-7.1	20.0
Chloromethane	Ave	0.2969	0.3102	0.1000	10.4	10.0	4.5	20.0
Vinyl chloride	Ave	0.3192	0.3275		10.3	10.0	2.6	20.0
Bromomethane	Ave	0.2986	0.2971		9.95	10.0	-0.5	20.0
Chloroethane	Ave	0.2063	0.2075		10.1	10.0	0.6	20.0
Trichlorofluoromethane	Ave	0.5398	0.5485		10.2	10.0	1.6	20.0
Acrolein	Ave	0.0127	0.0123		97.1	100	-2.9	55.0
1,1-Dichloroethene	Ave	0.3354	0.3376		10.1	10.0	0.7	20.0
Iodomethane	Ave	0.6862	0.6383		9.30	10.0	-7.0	35.0
Methylene Chloride	Lin	0.2999	0.2795		10.3	10.0	2.6	20.0
Acrylonitrile	Ave	0.0268	0.0288		107	100	7.3	55.0
trans-1,2-Dichloroethene	Ave	0.3616	0.3605		9.97	10.0	-0.3	20.0
1,1-Dichloroethane	Ave	0.5988	0.5850	0.1000	9.77	10.0	-2.3	20.0
2-Butanone (MEK)	Ave	0.0350	0.0373		42.6	40.0	6.6	20.0
cis-1,2-Dichloroethene	Ave	0.3325	0.3336		10.0	10.0	0.3	20.0
2,2-Dichloropropane	Ave	0.4819	0.4798		9.96	10.0	-0.4	20.0
Chlorobromomethane	Ave	0.1256	0.1248		9.94	10.0	-0.6	20.0
Chloroform	Ave	0.5936	0.5635		9.49	10.0	-5.1	20.0
1,1,1-Trichloroethane	Ave	0.5463	0.5219		9.55	10.0	-4.5	20.0
1,1-Dichloropropene	Ave	0.4935	0.4936		10.0	10.0	0.0	20.0
Carbon tetrachloride	Ave	0.5147	0.5038		9.79	10.0	-2.1	20.0
1,2-Dichloroethane	Ave	0.2424	0.2619		10.8	10.0	8.0	20.0
Benzene	Ave	1.163	1.134		9.75	10.0	-2.5	20.0
Trichloroethene	Ave	0.3511	0.3522		10.0	10.0	0.3	20.0
1,2-Dichloropropane	Ave	0.2498	0.2508		10.0	10.0	0.4	20.0
Dibromomethane	Ave	0.1189	0.1211		10.2	10.0	1.8	20.0
Dichlorobromomethane	Ave	0.3320	0.3278		9.87	10.0	-1.3	20.0
cis-1,3-Dichloropropene	Ave	0.3343	0.3405		10.2	10.0	1.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0776	0.0862		44.4	40.0	11.1	20.0
Toluene	Ave	1.161	1.193		10.3	10.0	2.7	20.0
trans-1,3-Dichloropropene	Ave	0.2378	0.2523		10.6	10.0	6.1	20.0
1,1,2-Trichloroethane	Ave	0.1222	0.1274		10.4	10.0	4.3	20.0
2-Hexanone	Ave	0.2504	0.2783		44.5	40.0	11.1	20.0
1,3-Dichloropropane	Ave	1.072	1.071		9.99	10.0	-0.1	20.0
Tetrachloroethene	Ave	1.545	1.547		10.0	10.0	0.2	20.0
Chlorodibromomethane	Ave	0.9507	0.9526		10.0	10.0	0.2	20.0
Ethylene Dibromide	Ave	0.6361	0.6602		10.4	10.0	3.8	20.0
1-Chlorohexane	Ave	2.243	2.270		10.1	10.0	1.2	35.0
Chlorobenzene	Ave	3.620	3.491	0.3000	9.64	10.0	-3.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Lab Sample ID: ICV 280-124226/11 Calibration Date: 06/15/2012 10:37

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6396.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,1,2-Tetrachloroethane	Ave	1.213	1.187		9.78	10.0	-2.2	20.0
Ethylbenzene	Ave	1.990	2.040		10.3	10.0	2.5	20.0
m-Xylene & p-Xylene	Ave	2.441	2.479		20.3	20.0	1.6	20.0
o-Xylene	Ave	2.202	2.197		9.98	10.0	-0.2	20.0
Styrene	Ave	3.210	3.281		10.2	10.0	2.2	20.0
Bromoform	Ave	0.5326	0.5328	0.1000	10.0	10.0	0.0	20.0
Isopropylbenzene	Ave	4.198	4.352		10.4	10.0	3.7	20.0
Cyclohexanone	Ave	0.0129	0.0115		224	250	-10.5	35.0
1,1,2,2-Tetrachloroethane	Lin1	0.4145	0.4089	0.3000	10.6	10.0	6.4	20.0
1,2,3-Trichloropropane	Ave	0.0973	0.0999		10.3	10.0	2.7	20.0
Bromobenzene	Ave	0.9659	0.9885		10.2	10.0	2.3	20.0
N-Propylbenzene	Ave	1.147	1.164		10.1	10.0	1.4	20.0
1,3,5-Trimethylbenzene	Ave	3.343	3.425		10.2	10.0	2.4	20.0
2-Chlorotoluene	Ave	1.001	1.002		10.0	10.0	0.0	20.0
4-Chlorotoluene	Ave	0.9519	0.9757		10.3	10.0	2.5	20.0
tert-Butylbenzene	Ave	2.964	3.034		10.2	10.0	2.4	20.0
1,2,4-Trimethylbenzene	Ave	3.262	3.256		9.98	10.0	-0.2	20.0
sec-Butylbenzene	Ave	0.9141	0.9351		10.2	10.0	2.3	20.0
4-Isopropyltoluene	Ave	3.776	3.775		10.0	10.0	-0.0	20.0
1,3-Dichlorobenzene	Ave	1.867	1.845		9.89	10.0	-1.1	20.0
1,4-Dichlorobenzene	Ave	1.825	1.750		9.59	10.0	-4.1	20.0
n-Butylbenzene	Ave	3.900	3.928		10.1	10.0	0.7	20.0
1,2-Dichlorobenzene	Ave	1.429	1.308		9.15	10.0	-8.5	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0634	0.0629		9.92	10.0	-0.8	20.0
1,2,4-Trichlorobenzene	Ave	1.028	1.006		9.79	10.0	-2.1	20.0
Hexachlorobutadiene	Ave	0.9728	0.9150		9.41	10.0	-5.9	20.0
Naphthalene	Ave	0.9476	0.9746		10.3	10.0	2.8	20.0
1,2,3-Trichlorobenzene	Ave	0.7670	0.7553		9.85	10.0	-1.5	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6396.D
Lab Smp Id: ICV
Inj Date : 15-JUN-2012 10:37
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,MA 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvma-Ace.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
*	62 Fluorobenzene	96	8.571	8.559	(1.000)	1172093	12.5000		
*	88 Chlorobenzene-d5	119	11.441	11.439	(1.000)	246742	12.5000		
*	113 1,4-Dichlorobenzene-d4	152	14.054	14.052	(1.000)	371869	12.5000		(Q)
M	2 1,2-Dichloroethene (total)	96				650792	19.9995	19.9994	
M	3 Xylene (total)	106				1412262	30.2894	30.2894	
M	4 1,3-Dichloropropene (total)	100				555898	20.7963	20.7963	
M	1 Trihalomethanes (total)	100				1128906	39.3895	39.3894	
	7 dichlorodifluoromethane	85	4.459	4.447	(0.520)	300536	9.29450	9.29450	
	9 Chloromethane	50	4.715	4.704	(0.550)	290861	10.4477	10.4477	
	10 Vinyl Chloride	62	4.873	4.871	(0.569)	307078	10.2609	10.2609	
	12 Bromomethane	94	5.287	5.285	(0.617)	278577	9.94927	9.94927	
	13 Chloroethane	64	5.346	5.354	(0.624)	194534	10.0567	10.0567	
	15 Trichlorofluoromethane	101	5.672	5.660	(0.662)	514301	10.1600	10.1600	
	22 Acrolein	56	5.987	5.976	(0.699)	115603	97.0644	97.0644	
	25 1,1-Dichloroethene	96	6.116	6.133	(0.714)	316547	10.0665	10.0665	
	26 Iodomethane	142	6.323	6.311	(0.738)	598527	9.30157	9.30157	
	32 Methylene Chloride	84	6.520	6.508	(0.761)	262049	10.2567	10.2566	
	33 Acrylonitrile	53	6.697	6.686	(0.781)	269610	107.290	107.290	
	35 trans-1,2-Dichloroethene	96	6.757	6.745	(0.788)	338012	9.96785	9.96785	
	39 1,1-Dichloroethane	63	7.112	7.110	(0.830)	548546	9.76990	9.76990	
	43 2-Butanone	43	7.536	7.524	(0.879)	139890	42.6443	42.6443	
	45 cis-1,2-Dichloroethene	96	7.595	7.583	(0.886)	312780	10.0316	10.0316	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
47	2,2-Dichloropropane	77	7.624	7.613	(0.890)	449913	9.95663	9.95662
49	Bromochloromethane	128	7.822	7.810	(0.913)	117036	9.93967	9.93967
50	Chloroform	83	7.822	7.820	(0.913)	528360	9.49330	9.49330
54	1,1,1-Trichloroethane	97	8.058	8.056	(0.940)	489406	9.55424	9.55424
56	1,1-Dichloropropene	75	8.167	8.165	(0.953)	462797	10.0012	10.0012
57	Carbon Tetrachloride	117	8.206	8.204	(0.957)	472389	9.78850	9.78850
60	1,2-Dichloroethane	62	8.364	8.352	(0.976)	245592	10.8042	10.8042
61	Benzene	78	8.374	8.372	(0.977)	1063002	9.74778	9.74778
64	Trichloroethene	95	8.887	8.875	(1.037)	330280	10.0327	10.0327
68	1,2-Dichloropropane	63	9.104	9.102	(1.062)	235118	10.0390	10.0390
70	Dibromomethane	93	9.232	9.220	(1.077)	113541	10.1803	10.1803
71	Bromodichloromethane	83	9.301	9.299	(1.085)	307338	9.87311	9.87311
74	cis-1,3-Dichloropropene	75	9.685	9.684	(1.130)	319292	10.1859	10.1859
75	4-Methyl-2-pentanone	43	9.754	9.743	(1.138)	323391	44.4365	44.4364
77	Toluene	91	10.021	10.019	(1.169)	1118179	10.2741	10.2741
79	trans-1,3-Dichloropropene	75	10.159	10.157	(1.185)	236606	10.6104	10.6104
80	1,1,2-Trichloroethane	97	10.366	10.364	(1.209)	119416	10.4250	10.4250
81	2-Hexanone	43	10.514	10.512	(0.919)	219737	44.4500	44.4500
82	1,3-Dichloropropane	76	10.553	10.551	(0.922)	211421	9.98896	9.98896
83	Tetrachloroethene	164	10.563	10.561	(0.923)	305410	10.0151	10.0151
84	Dibromochloromethane	129	10.810	10.808	(0.945)	188036	10.0198	10.0198
86	1,2-Dibromoethane	107	10.997	10.985	(0.961)	130318	10.3780	10.3780
87	1-Chlorohexane	91	11.293	11.291	(0.987)	448046	10.1207	10.1207
89	Chlorobenzene	112	11.470	11.468	(1.003)	689021	9.64154	9.64154
90	1,1,1,2-Tetrachloroethane	131	11.520	11.518	(1.007)	234210	9.78214	9.78214
91	Ethylbenzene	106	11.520	11.518	(1.007)	402762	10.2526	10.2526
92	m and p-Xylene	106	11.638	11.636	(1.017)	978683	20.3139	20.3139
93	o-Xylene	106	12.131	12.129	(1.060)	433579	9.97550	9.97550
94	Styrene	104	12.141	12.129	(1.061)	647554	10.2186	10.2186
95	Bromoform	173	12.447	12.445	(1.088)	105172	10.0033	10.0033
96	isopropyl benzene	105	12.516	12.514	(0.891)	1294674	10.3678	10.3678
98	Cyclohexanone	55	12.723	12.721	(1.112)	56880	223.735	223.735
100	1,1,2,2-Tetrachloroethane	83	12.821	12.819	(0.912)	121659	10.6376	10.6376
102	1,2,3-Trichloropropane	110	12.920	12.918	(0.919)	29720	10.2699	10.2699(Q)
103	Bromobenzene	156	12.969	12.967	(0.923)	294060	10.2336	10.2336
104	n-Propylbenzene	120	12.969	12.967	(0.923)	346237	10.1446	10.1446
106	2-Chlorotoluene	126	13.137	13.135	(0.935)	297991	10.0083	10.0083
105	1,3,5-Trimethylbenzene	105	13.117	13.125	(0.933)	1018861	10.2449	10.2449
107	4-Chlorotoluene	126	13.235	13.234	(0.942)	290269	10.2507	10.2506
108	tert-Butylbenzene	119	13.521	13.520	(0.962)	902716	10.2364	10.2364
109	1,2,4-Trimethylbenzene	105	13.561	13.569	(0.965)	968695	9.98288	9.98288
110	sec-Butylbenzene	134	13.768	13.766	(0.980)	278188	10.2296	10.2296
111	4-Isopropyltoluene	119	13.896	13.904	(0.989)	1122955	9.99577	9.99577
112	1,3-Dichlorobenzene	146	13.985	13.983	(0.995)	548995	9.88661	9.88661
114	1,4-dichlorobenzene	146	14.084	14.082	(1.002)	520492	9.58743	9.58743
116	n-Butylbenzene	91	14.399	14.397	(1.025)	1168544	10.0706	10.0706
117	1,2-Dichlorobenzene	146	14.567	14.565	(1.036)	389266	9.15394	9.15394
118	1,2-Dibromo-3-chloropropane	157	15.573	15.571	(1.108)	18715	9.91799	9.91799
120	1,2,4-Trichlorobenzene	180	16.785	16.784	(1.194)	299284	9.78672	9.78672
121	Hexachlorobutadiene	225	16.993	16.981	(1.209)	272212	9.40550	9.40550
122	Naphthalene	128	17.249	17.247	(1.227)	289929	10.2842	10.2842
123	1,2,3-Trichlorobenzene	180	17.653	17.651	(1.256)	224686	9.84689	9.84689

QC Flag Legend

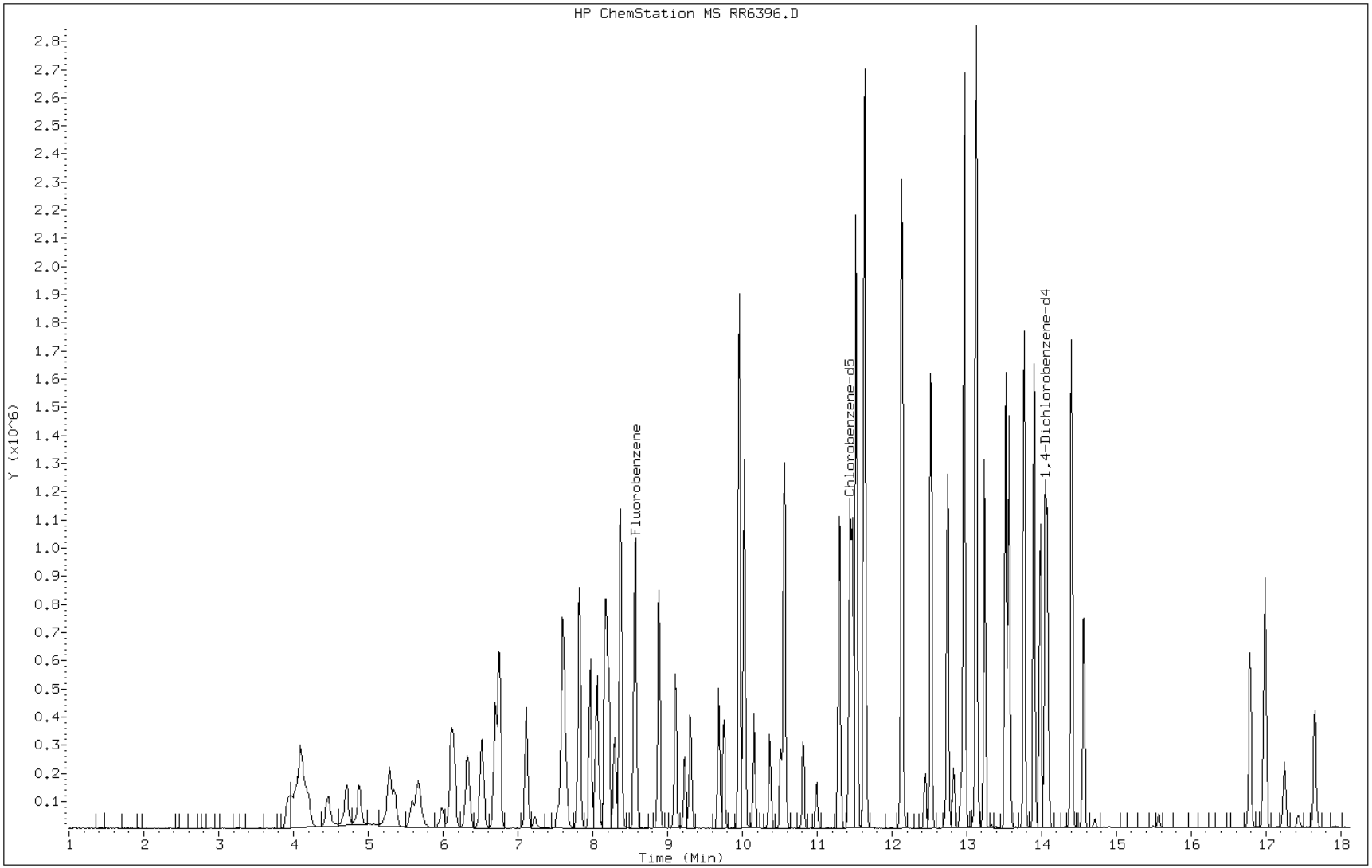
Q - Qualifier signal failed the ratio test.

Data File: RR6396.D

Date: 15-JUN-2012 10:37

Client ID: Instrument: R2.i

Sample Info: ICV,,MA 5uL Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Lab Sample ID: ICV 280-124226/13 Calibration Date: 06/15/2012 11:22

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6398.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetone	Lin	0.0307	0.0269		44.2	40.0	10.4	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6398.D
Lab Smp Id: ICV
Inj Date : 15-JUN-2012 11:22
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : ICV,,MAcetone 5uL
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\8260B-H2O.m
Meth Date : 15-Jun-2012 14:20 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: icvmAcetone.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
* 62 Fluorobenzene	96	8.559	8.559	(1.000)	1038187	12.5000		
* 88 Chlorobenzene-d5	119	11.439	11.439	(1.000)	220666	12.5000		
* 113 1,4-Dichlorobenzene-d4	152	14.052	14.052	(1.000)	311462	12.5000		(Q)
24 Acetone	43	6.084	6.084	(0.711)	89396	44.1516	44.1516	

QC Flag Legend

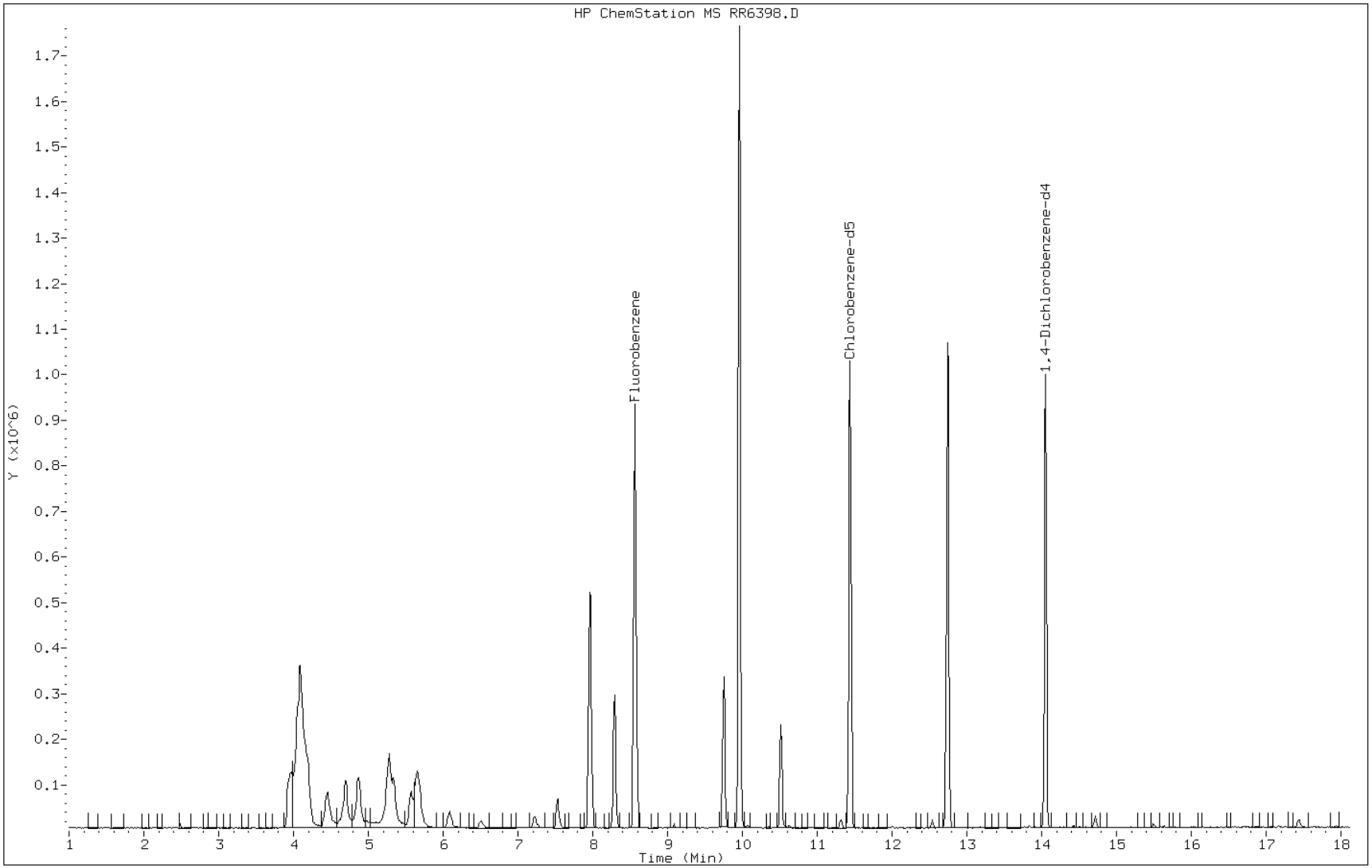
Q - Qualifier signal failed the ratio test.

Data File: RR6398.D

Date: 15-JUN-2012 11:22

Client ID: Instrument: R2.i

Sample Info: ICV,,MAcetone 5uL Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Lab Sample ID: CCV 280-126338/2 Calibration Date: 07/02/2012 06:43

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6857.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethene, Total	Ave	0.3471	0.3407		19.6	20.0	-1.8	20.0
Xylenes, Total	Ave	2.361	2.364		30.0	30.0	0.1	35.0
Ethanol	Ave	0.0008	0.0008		542	500	8.4	50.0
1,1-Dichloroethene	Ave	0.3354	0.3304		9.85	10.0	-1.5	20.0
Iodomethane	Ave	0.6862	0.6627		9.66	10.0	-3.4	35.0
Acetonitrile	Ave	0.0088	0.0088		99.9	100	-0.0	50.0
2-Methyl-2-propanol	Ave	0.0060	0.0056		186	200	-7.0	50.0
Methylene Chloride	Lin	0.2999	0.2797		10.3	10.0	2.7	20.0
Acrylonitrile	Ave	0.0268	0.0276		103	100	3.0	50.0
trans-1,2-Dichloroethene	Ave	0.3616	0.3540		9.79	10.0	-2.1	20.0
Isopropyl ether	Ave	0.1627	0.1597		49.0	50.0	-1.9	35.0
1,1-Dichloroethane	Ave	0.5988	0.5755	0.1000	9.61	10.0	-3.9	20.0
2-Chloro-1,3-butadiene	Ave	0.5727	0.4527		7.91	10.0	-20.9	35.0
cis-1,2-Dichloroethene	Ave	0.3325	0.3274		9.85	10.0	-1.5	20.0
Propionitrile	Ave	0.0095	0.0098		104	100	3.6	50.0
2,2-Dichloropropane	Ave	0.4819	0.4627		9.60	10.0	-4.0	20.0
Methacrylonitrile	Ave	0.0514	0.0509		99.0	100	-1.0	50.0
Chlorobromomethane	Ave	0.1256	0.1216		9.68	10.0	-3.2	20.0
Chloroform	Ave	0.5936	0.5341		9.00	10.0	-10.0	20.0
Isobutyl alcohol	Ave	0.0021	0.0021		197	200	-1.3	50.0
1,1,1-Trichloroethane	Ave	0.5463	0.5034		9.21	10.0	-7.9	20.0
1,1-Dichloropropene	Ave	0.4935	0.4770		9.67	10.0	-3.3	20.0
Carbon tetrachloride	Ave	0.5147	0.4755		9.24	10.0	-7.6	20.0
1,2-Dichloroethane	Ave	0.2424	0.2331		9.61	10.0	-3.9	20.0
Benzene	Ave	1.163	1.093		9.40	10.0	-6.0	20.0
Trichloroethene	Ave	0.3511	0.3240		9.23	10.0	-7.7	20.0
1,2-Dichloropropane	Ave	0.2498	0.2450		9.81	10.0	-1.9	20.0
1,4-Dioxane	Ave	0.0007	0.0007		506	500	1.1	50.0
Dibromomethane	Ave	0.1189	0.1175		9.87	10.0	-1.3	20.0
Dichlorobromomethane	Ave	0.3320	0.3021		9.10	10.0	-9.0	20.0
cis-1,3-Dichloropropene	Ave	0.3343	0.3261		9.76	10.0	-2.4	20.0
Toluene	Ave	1.161	1.151		9.92	10.0	-0.8	20.0
trans-1,3-Dichloropropene	Ave	0.2378	0.2372		9.97	10.0	-0.3	20.0
1,1,2-Trichloroethane	Ave	0.1222	0.1229		10.1	10.0	0.6	20.0
1,3-Dichloropropane	Ave	1.072	1.055		9.84	10.0	-1.6	20.0
Tetrachloroethene	Ave	1.545	1.578		10.2	10.0	2.1	20.0
Chlorodibromomethane	Ave	0.9507	0.9125		9.60	10.0	-4.0	20.0
Ethylene Dibromide	Ave	0.6361	0.6341		9.97	10.0	-0.3	20.0
1-Chlorohexane	Ave	2.243	2.357		10.8	10.2	5.1	35.0
Chlorobenzene	Ave	3.620	3.477	0.3000	9.60	10.0	-4.0	20.0
Ethylbenzene	Ave	1.990	1.990		10.0	10.0	-0.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Lab Sample ID: CCV 280-126338/2 Calibration Date: 07/02/2012 06:43

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6857.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,1,2-Tetrachloroethane	Ave	1.213	1.125		9.28	10.0	-7.2	20.0
m-Xylene & p-Xylene	Ave	2.441	2.449		20.1	20.0	0.3	20.0
o-Xylene	Ave	2.202	2.195		9.97	10.0	-0.3	20.0
Styrene	Ave	3.210	2.984		9.30	10.0	-7.0	20.0
Bromoform	Ave	0.5326	0.4976	0.1000	9.34	10.0	-6.6	20.0
Isopropylbenzene	Ave	4.198	4.217		10.0	10.0	0.5	20.0
1,1,2,2-Tetrachloroethane	Lin1	0.4145	0.3907	0.3000	9.43	10.0	-5.7	20.0
1,2,3-Trichloropropane	Ave	0.0973	0.0984		10.1	10.0	1.1	20.0
Bromobenzene	Ave	0.9659	0.9778		10.1	10.0	1.2	20.0
N-Propylbenzene	Ave	1.147	1.188		10.4	10.0	3.5	20.0
1,3,5-Trimethylbenzene	Ave	3.343	3.259		9.75	10.0	-2.5	20.0
2-Chlorotoluene	Ave	1.001	1.009		10.1	10.0	0.8	20.0
4-Chlorotoluene	Ave	0.9519	0.9939		10.4	10.0	4.4	20.0
tert-Butylbenzene	Ave	2.964	3.037		10.2	10.0	2.4	20.0
1,2,4-Trimethylbenzene	Ave	3.262	3.278		10.1	10.0	0.5	20.0
sec-Butylbenzene	Ave	0.9141	0.9697		10.6	10.0	6.1	20.0
4-Isopropyltoluene	Ave	3.776	3.872		10.3	10.0	2.5	20.0
1,3-Dichlorobenzene	Ave	1.867	1.920		10.3	10.0	2.9	20.0
1,4-Dichlorobenzene	Ave	1.825	1.827		10.0	10.0	0.1	20.0
n-Butylbenzene	Ave	3.900	3.941		10.1	10.0	1.0	20.0
1,2-Dichlorobenzene	Ave	1.429	1.484		10.4	10.0	3.8	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0634	0.0631		9.94	10.0	-0.6	20.0
1,2,4-Trichlorobenzene	Ave	1.028	1.055		10.3	10.0	2.6	20.0
Hexachlorobutadiene	Ave	0.9728	0.9440		9.70	10.0	-3.0	20.0
Naphthalene	Ave	0.9476	0.9731		10.3	10.0	2.7	20.0
1,2,3-Trichlorobenzene	Ave	0.7670	0.7894		10.3	10.0	2.9	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6857.D
Lab Smp Id: CCV
Inj Date : 02-JUL-2012 06:43
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,M 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-main-Chlometh.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.564	8.564	(1.000)	1468900	12.5000	
* 88 Chlorobenzene-d5	119	11.434	11.434	(1.000)	311657	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.047	14.047	(1.000)	472261	12.5000	
M 2 1,2-Dichloroethene (total)	96				800770	20.0000	19.6358
M 1 Trihalomethanes (total)	100				1334223	40.0000	37.0381
M 4 1,3-Dichloropropene (total)	100				661991	20.0000	19.7302
M 3 Xylene (total)	106				1768325	30.0000	30.0344
7 dichlorodifluoromethane	85	4.462	4.462	(0.521)	403662	10.0000	9.96133
10 Vinyl Chloride	62	4.876	4.876	(0.569)	341944	10.0000	9.11717
12 Bromomethane	94	5.291	5.291	(0.618)	299960	10.0000	8.54829
13 Chloroethane	64	5.350	5.350	(0.625)	199395	10.0000	8.22516
15 Trichlorofluoromethane	101	5.665	5.665	(0.661)	629931	10.0000	9.92981
16 Ethanol	45	5.655	5.655	(0.660)	49642	500.000	542.083
22 Acrolein	56	5.971	5.971	(0.697)	142498	100.000	95.4705
24 Acetone	43	6.089	6.089	(0.711)	107390	40.0000	36.4170
25 1,1-Dichloroethene	96	6.109	6.109	(0.713)	388242	10.0000	9.85172
26 Iodomethane	142	6.316	6.316	(0.737)	778743	10.0000	9.65687
28 Acetonitrile	41	6.365	6.365	(0.743)	103368	100.000	99.9478
31 tert-Butyl alcohol	59	6.474	6.474	(0.756)	131907	200.000	185.912
32 Methylene Chloride	84	6.513	6.513	(0.761)	328657	10.0000	10.2651
33 Acrylonitrile	53	6.691	6.691	(0.781)	324265	100.000	102.966
35 trans-1,2-Dichloroethene	96	6.750	6.750	(0.788)	415999	10.0000	9.78885

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
38 Isopropyl ether	87	7.036	7.036	(0.822)	938028	50.0000	49.0491
39 1,1-Dichloroethane	63	7.105	7.105	(0.830)	676222	10.0000	9.61028
40 Chloroprene	53	7.174	7.174	(0.838)	532015	10.0000	7.90512
43 2-Butanone	43	7.529	7.529	(0.879)	162677	40.0000	39.5704
45 cis-1,2-Dichloroethene	96	7.588	7.588	(0.886)	384771	10.0000	9.84699
46 Propionitrile	54	7.608	7.608	(0.888)	115332	100.000	103.554
47 2,2-Dichloropropane	77	7.618	7.618	(0.889)	543687	10.0000	9.60069
48 Methacrylonitrile	41	7.736	7.736	(0.903)	598009	100.000	98.9538
49 Bromochloromethane	128	7.815	7.815	(0.912)	142914	10.0000	9.68494
50 Chloroform	83	7.815	7.815	(0.912)	627672	10.0000	8.99891
54 1,1,1-Trichloroethane	97	8.052	8.052	(0.940)	591523	10.0000	9.21443
53 Isobutanol	41	8.032	8.032	(0.938)	48195	200.000	197.411
56 1,1-Dichloropropene	75	8.160	8.160	(0.953)	560500	10.0000	9.66515
57 Carbon Tetrachloride	117	8.209	8.209	(0.959)	558743	10.0000	9.23843
60 1,2-Dichloroethane	62	8.357	8.357	(0.976)	273886	10.0000	9.61428
61 Benzene	78	8.367	8.367	(0.977)	1284434	10.0000	9.39839
63 n-Butanol	56	8.594	8.594	(1.003)	66646	300.000	277.301
64 Trichloroethene	95	8.880	8.880	(1.037)	380713	10.0000	9.22795
68 1,2-Dichloropropane	63	9.097	9.097	(1.062)	287933	10.0000	9.80997
69 1,4-Dioxane	88	9.156	9.156	(1.069)	40713	500.000	505.544
70 Dibromomethane	93	9.225	9.225	(1.077)	138016	10.0000	9.87435
71 Bromodichloromethane	83	9.304	9.304	(1.086)	354993	10.0000	9.09971
74 cis-1,3-Dichloropropene	75	9.679	9.679	(1.130)	383228	10.0000	9.75527
75 4-Methyl-2-pentanone	43	9.748	9.748	(1.138)	354095	40.0000	38.8241
77 Toluene	91	10.024	10.024	(1.170)	1352390	10.0000	9.91524
79 trans-1,3-Dichloropropene	75	10.152	10.152	(1.185)	278763	10.0000	9.97498
80 1,1,2-Trichloroethane	97	10.369	10.369	(1.211)	144430	10.0000	10.0610
81 2-Hexanone	43	10.507	10.507	(0.919)	235291	40.0000	37.6826
82 1,3-Dichloropropane	76	10.547	10.547	(0.922)	262994	10.0000	9.83749
83 Tetrachloroethene	164	10.566	10.566	(0.924)	393427	10.0000	10.2142
84 Dibromochloromethane	129	10.813	10.813	(0.946)	227499	10.0000	9.59758
86 1,2-Dibromoethane	107	10.990	10.990	(0.961)	158098	10.0000	9.96783
87 1-Chlorohexane	91	11.296	11.296	(0.988)	602451	10.0000	10.7740
89 Chlorobenzene	112	11.474	11.474	(1.003)	866946	10.0000	9.60444
90 1,1,1,2-Tetrachloroethane	131	11.523	11.523	(1.008)	280577	10.0000	9.27783
91 Ethylbenzene	106	11.513	11.513	(1.007)	496169	10.0000	9.99955
92 m and p-Xylene	106	11.631	11.631	(1.017)	1220965	20.0000	20.0641
93 o-Xylene	106	12.124	12.124	(1.060)	547360	10.0000	9.97024
94 Styrene	104	12.134	12.134	(1.061)	744043	10.0000	9.29562
95 Bromoform	173	12.440	12.440	(1.088)	124059	10.0000	9.34194
96 isopropyl benzene	105	12.519	12.519	(0.891)	1593296	10.0000	10.0469
98 Cyclohexanone	55	12.716	12.716	(1.112)	118276	400.000	368.330
100 1,1,2,2-Tetrachloroethane	83	12.825	12.825	(0.913)	147598	10.0000	9.42586
102 1,2,3-Trichloropropane	110	12.923	12.923	(0.920)	37174	10.0000	10.1150(Q)
103 Bromobenzene	156	12.963	12.963	(0.923)	369427	10.0000	10.1235
104 n-Propylbenzene	120	12.963	12.963	(0.923)	448750	10.0000	10.3532
106 2-Chlorotoluene	126	13.130	13.130	(0.935)	381329	10.0000	10.0847
105 1,3,5-Trimethylbenzene	105	13.120	13.120	(0.934)	1231246	10.0000	9.74867
107 4-Chlorotoluene	126	13.239	13.239	(0.942)	375485	10.0000	10.4412
108 tert-Butylbenzene	119	13.515	13.515	(0.962)	1147291	10.0000	10.2442
109 1,2,4-Trimethylbenzene	105	13.564	13.564	(0.966)	1238590	10.0000	10.0509
110 sec-Butylbenzene	134	13.761	13.761	(0.980)	366353	10.0000	10.6079
111 4-Isopropyltoluene	119	13.899	13.899	(0.989)	1462873	10.0000	10.2534
112 1,3-Dichlorobenzene	146	13.978	13.978	(0.995)	725490	10.0000	10.2877

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
114 1,4-dichlorobenzene	146	14.077	14.077	(1.002)	690418	10.0000	10.0140
116 n-Butylbenzene	91	14.402	14.402	(1.025)	1488943	10.0000	10.1041
117 1,2-Dichlorobenzene	146	14.560	14.560	(1.037)	560589	10.0000	10.3804
118 1,2-Dibromo-3-chloropropane	157	15.566	15.566	(1.108)	23822	10.0000	9.94077
120 1,2,4-Trichlorobenzene	180	16.789	16.789	(1.195)	398543	10.0000	10.2621
121 Hexachlorobutadiene	225	16.986	16.986	(1.209)	356665	10.0000	9.70383
122 Naphthalene	128	17.252	17.252	(1.228)	367658	10.0000	10.2691
123 1,2,3-Trichlorobenzene	180	17.657	17.657	(1.257)	298253	10.0000	10.2924

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: RR6857.D

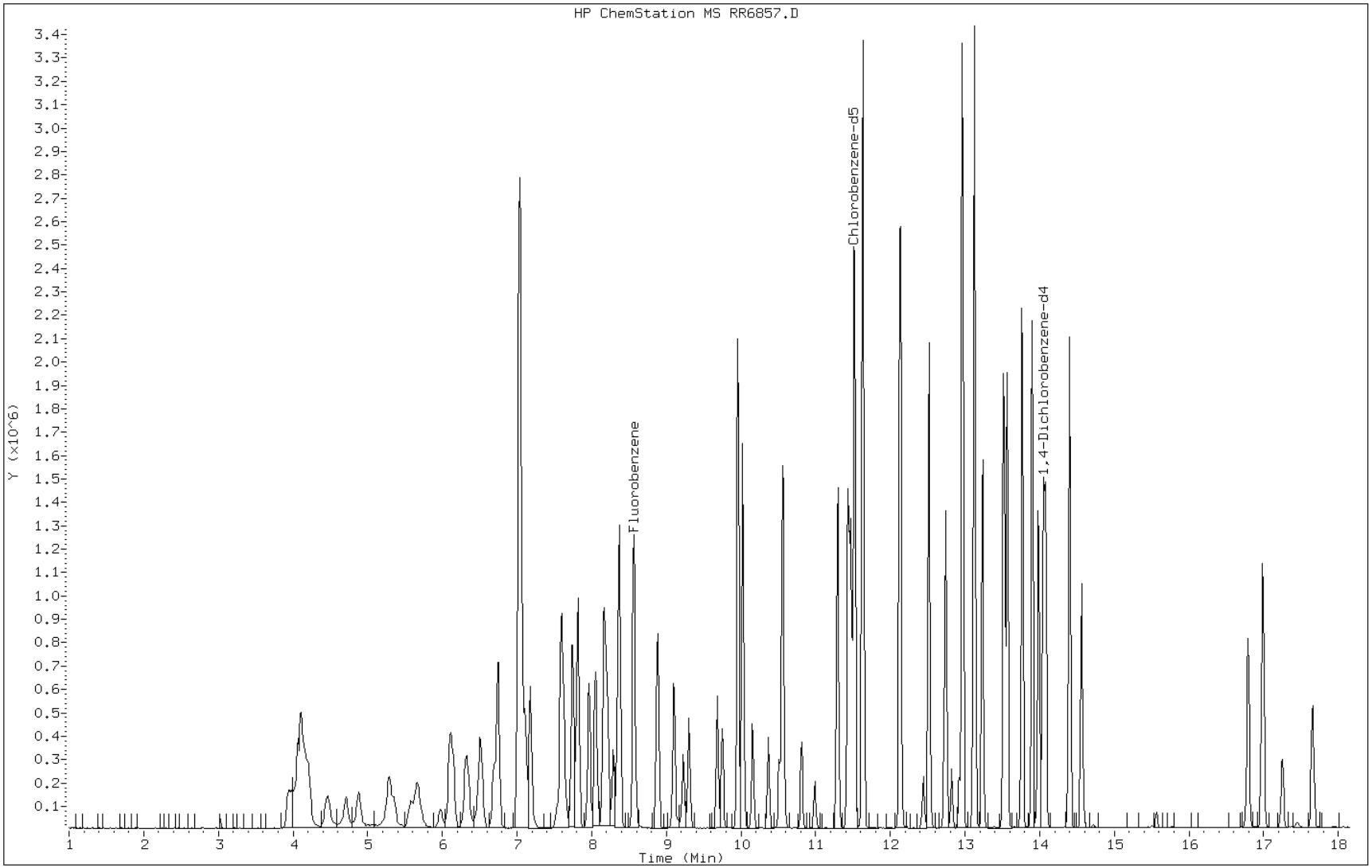
Date: 02-JUL-2012 06:43

Client ID:

Instrument: R2.i

Sample Info: CCV,,M 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Lab Sample ID: CCV 280-126338/3 Calibration Date: 07/02/2012 07:27

Instrument ID: MSV_R2 Calib Start Date: 06/14/2012 07:32

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/14/2012 09:23

Lab File ID: RR6859.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorofluoromethane	Ave	0.7189	0.6099		8.48	10.0	-15.2	50.0
Ethyl ether	Ave	0.1209	0.1094		9.05	10.0	-9.5	35.0
Isopropyl alcohol	Ave	0.0047	0.0044		186	200	-7.1	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.5501	0.4946		8.99	10.0	-10.1	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2920	0.2613		8.95	10.0	-10.5	50.0
Methyl acetate	Ave	0.0607	0.0644		53.0	50.0	6.0	50.0
Allyl chloride	Ave	0.4807	0.4320		8.99	10.0	-10.1	35.0
Carbon disulfide	Ave	1.356	1.198		8.83	10.0	-11.7	20.0
Methyl tert-butyl ether	Ave	0.3366	0.3046		9.05	10.0	-9.5	20.0
Hexane	Ave	2.336	2.351		10.1	10.0	0.6	20.0
Vinyl acetate	Ave	0.2479	0.1825		14.7	20.0	-26.4	50.0
Tert-butyl ethyl ether	Ave	0.5682	0.5038		44.3	50.0	-11.3	35.0
Ethyl acetate	Ave	0.0944	0.0816		17.3	20.0	-13.6	50.0
2-Butanol	Ave	0.0052	0.0049		278	300	-7.2	50.0
Tetrahydrofuran	Ave	0.0208	0.0181		17.4	20.0	-13.2	50.0
Cyclohexane	Ave	0.5574	0.5378		9.65	10.0	-3.5	35.0
Tert-amyl methyl ether	Ave	0.4054	0.3607		44.5	50.0	-11.0	35.0
2-Pentanone	Ave	0.0635	0.0543		34.2	40.0	-14.6	50.0
Methyl methacrylate	Ave	0.0214	0.0200		18.7	20.0	-6.5	35.0
Methylcyclohexane	Ave	0.4888	0.4609		9.43	10.0	-5.7	35.0
2-Chloroethyl vinyl ether	Ave	0.0583	0.0523		8.97	10.0	-10.3	50.0
2-Nitropropane	Ave	0.0220	0.0180		8.20	10.0	-18.0	50.0
Ethyl methacrylate	Ave	0.6161	0.5379		17.5	20.0	-12.7	35.0
cis-1,4-Dichloro-2-butene	Ave	0.1110	0.0543		4.89	10.0	-51.1*	50.0
trans-1,4-Dichloro-2-butene	Lin1	0.0907	0.0720		7.33	10.0	-26.7	50.0
Dibromofluoromethane (Surr)	Lin2	0.4864	0.3781		9.76	11.3	-13.3	20.0
1,2-Dichloroethane-d4 (Surr)	Lin	0.3193	0.2360		9.20	11.3	-18.2	20.0
Toluene-d8 (Surr)	Lin1	7.226	6.164		11.3	11.3	0.7	20.0
4-Bromofluorobenzene (Surr)	Lin2	1.493	1.201		10.3	11.3	-8.0	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6859.D
Lab Smp Id: CCV
Inj Date : 02-JUL-2012 07:27
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,S 5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-supp.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.566	8.566	(1.000)	1517888	12.5000	
* 88 Chlorobenzene-d5	119	11.435	11.435	(1.000)	302470	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.049	14.049	(1.000)	421263	12.5000	
$ 52 Dibromofluoromethane (Surr)	111	7.964	7.964	(0.930)	516571	10.0000	9.75892
$ 58 1,2-Dichloroethane-d4	65	8.290	8.290	(0.968)	322411	10.0000	9.20026
$ 76 Toluene-d8	98	9.956	9.956	(0.871)	1677853	10.0000	11.3238
$ 99 4-Bromofluorobenzene (Surr)	95	12.737	12.737	(0.907)	455214	10.0000	10.3480
11 Ethylene Oxide	43	5.203	5.203	(0.607)	518214	1250.00	871.842
14 Dichlorofluoromethane	67	5.538	5.538	(0.647)	740602	10.0000	8.48380
17 1,2-dichloro-1,1,2-trifluoroe	117	5.805	5.805	(0.678)	395746	10.0000	9.39260
21 Propylene Oxide	58	5.923	5.923	(0.691)	964089	500.000	439.277
19 Ethyl Ether	59	5.805	5.805	(0.678)	132796	10.0000	9.04568
20 2,2-dichloro-1,1,1-trifluoroe	83	5.844	5.844	(0.682)	600593	10.0000	8.99136
23 Trichlorotrifluoroethane	151	6.090	6.090	(0.711)	317278	10.0000	8.94860
18 2-propanol	45	5.805	5.805	(0.678)	107088	200.000	185.891
27 Methyl Acetate	43	6.347	6.347	(0.741)	390844	50.0000	53.0234
29 Allyl Chloride	41	6.406	6.406	(0.748)	524523	10.0000	8.98530
30 Carbon Disulfide	76	6.416	6.416	(0.749)	1454584	10.0000	8.83428
34 Methyl t-butyl ether	73	6.702	6.702	(0.782)	369865	10.0000	9.04824
36 Hexane	57	6.919	6.919	(0.605)	568892	10.0000	10.0642
37 Vinyl acetate	43	7.037	7.037	(0.822)	443142	20.0000	14.7229
41 ETBE	59	7.353	7.353	(0.858)	3058908	50.0000	44.3310

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
42 Ethyl Acetate	43	7.511	7.511	(0.877)	198180	20.0000	17.2850
44 2-Butanol	45	7.580	7.580	(0.885)	176840	300.000	278.438
51 Tetrahydrofuran	42	7.846	7.846	(0.916)	43858	20.0000	17.3540
55 Cyclohexane	56	8.122	8.122	(0.948)	653049	10.0000	9.64788
59 TAME	73	8.349	8.349	(0.975)	2190244	50.0000	44.4960
65 2-Pentanone	43	8.931	8.931	(1.043)	263518	40.0000	34.1714
67 Methyl Cyclohexane	55	9.088	9.088	(1.061)	559621	10.0000	9.42742
66 Methyl Methacrylate	100	9.029	9.029	(1.054)	48594	20.0000	18.6980
73 2-nitropropane	41	9.483	9.483	(1.107)	21872	10.0000	8.19798
72 2-Chloroethyl vinyl ether	63	9.463	9.463	(1.105)	63461	10.0000	8.96772
78 Ethyl methacrylate	69	10.124	10.124	(0.885)	260299	20.0000	17.4608
85 Tetrahydrothiophene	60	10.863	10.863	(0.950)	39762	10.0000	5.98270
97 cis-1,4-dichloro-2-butene	53	12.569	12.569	(0.895)	18293	10.0000	4.89220
101 t-1,4-Dichloro-2-butene	53	12.875	12.875	(0.916)	24270	10.0000	7.33455
115 1,2,3-Trimethylbenzene	105	14.078	14.078	(1.002)	885302	10.0000	8.42690
119 Tetralin	104	Compound Not Detected.					

Data File: RR6859.D

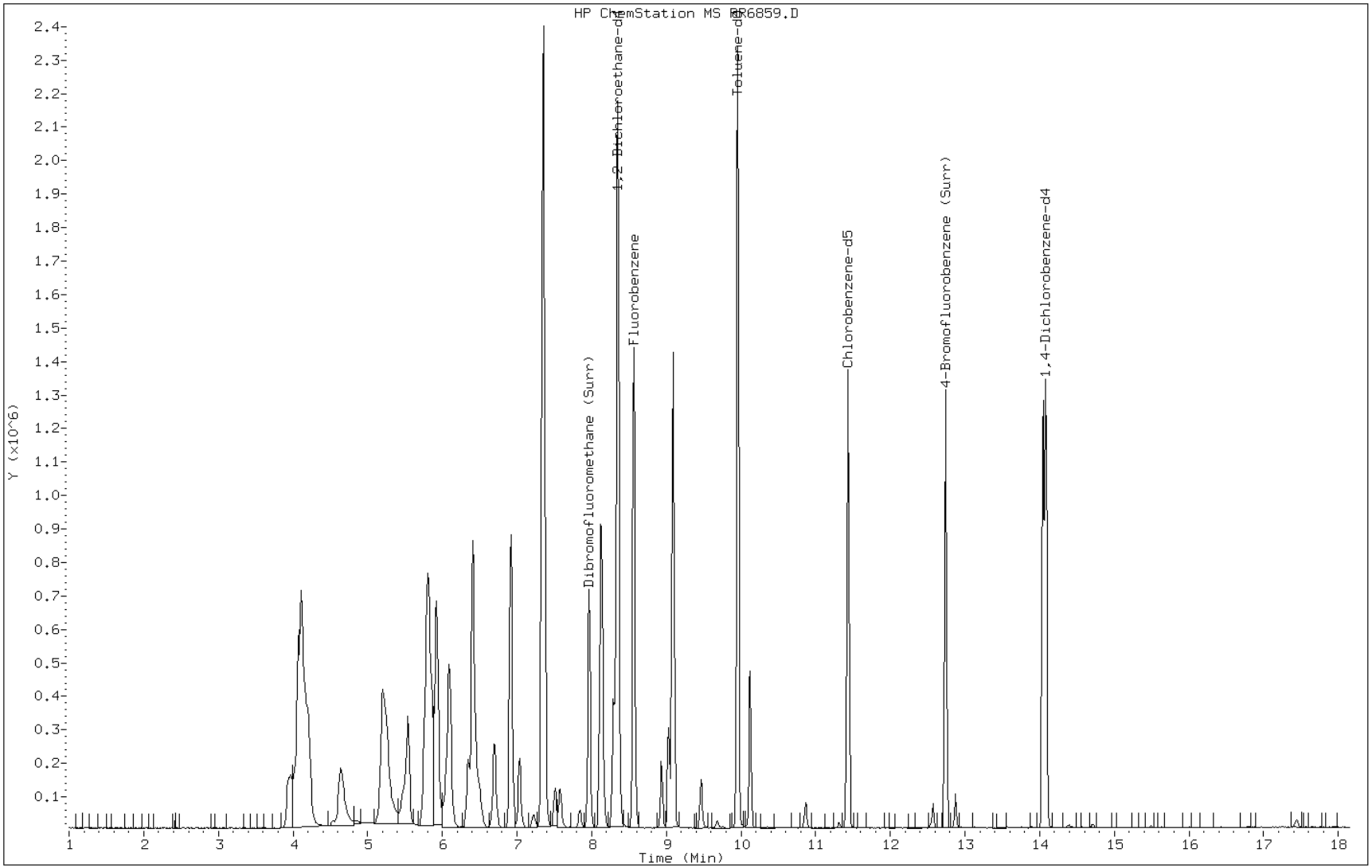
Date: 02-JUL-2012 07:27

Client ID:

Instrument: R2.i

Sample Info: CCV,,S 5uL

Operator: DOBRANSKYM



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Lab Sample ID: CCV 280-126338/4 Calibration Date: 07/02/2012 07:49

Instrument ID: MSV_R2 Calib Start Date: 06/15/2012 07:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 06/15/2012 09:52

Lab File ID: RR6860.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chloromethane	Ave	0.2969	0.3009	0.1000	10.1	10.0	1.4	20.0

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6860.D
Lab Smp Id: CCV
Inj Date : 02-JUL-2012 07:49
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : CCV,,G 5uL Q4 v11->v12
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 12:29 R2.i Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-Chlorometh.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

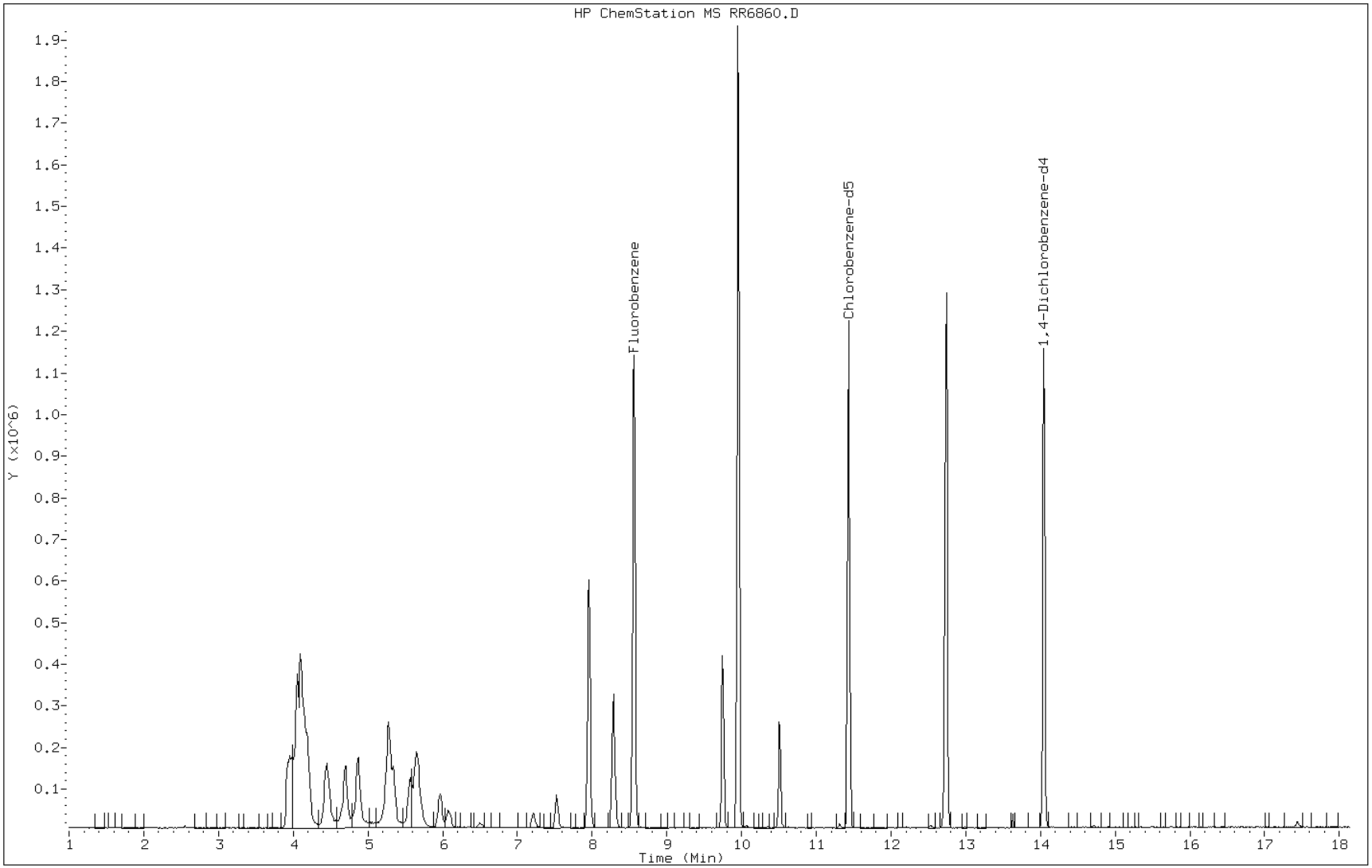
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	8.561	8.561	(1.000)	1306497	12.5000	
* 88 Chlorobenzene-d5	119	11.430	11.430	(1.000)	262206	12.5000	
* 113 1,4-Dichlorobenzene-d4	152	14.044	14.044	(1.000)	368815	12.5000	
9 Chloromethane	50	4.705	4.705	(0.550)	314515	10.0000	10.1351

Data File: RR6860.D

Date: 02-JUL-2012 07:49

Client ID: Instrument: R2.i

Sample Info: CCV,,G 5uL Q4 v11->v12 Operator: DOBRANSKYM



TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6351.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 14-JUN-2012 06:38
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC088

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.692	5.620	(0.000)	95	15538			0.00- 100.00	100.00
5.692	5.620	(0.000)	50	2968			15.00- 40.00	19.10
5.692	5.620	(0.000)	75	7640			30.00- 60.00	49.17
5.692	5.620	(0.000)	96	1239			5.00- 9.00	7.97
5.692	5.620	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.692	5.620	(0.000)	174	15031			50.00- 0.00	96.74
5.692	5.620	(0.000)	175	1159			5.00- 9.00	7.71
5.692	5.620	(0.000)	176	14893			95.00- 101.00	99.08
5.692	5.620	(0.000)	177	1195			5.00- 9.00	8.02

Data File: RR6351.D

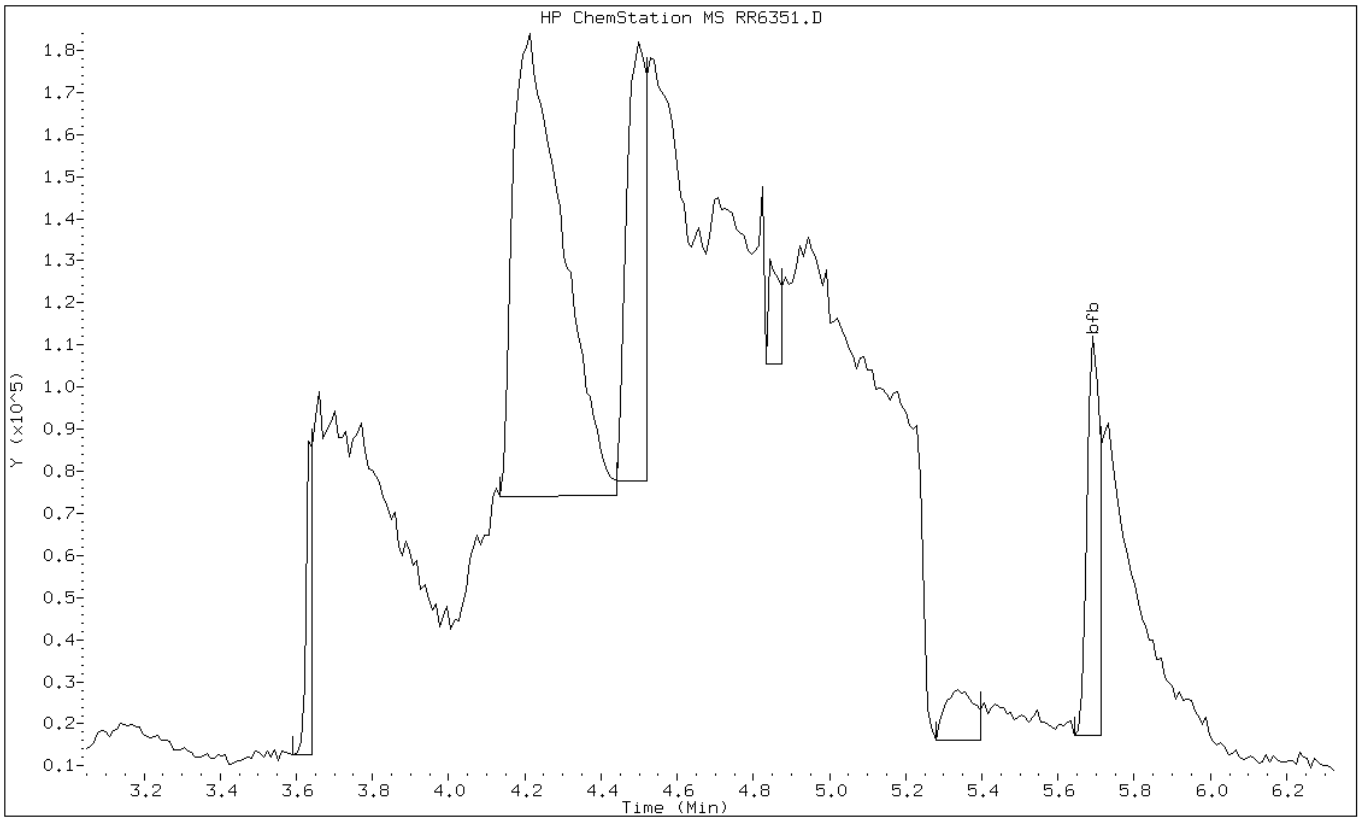
Date: 14-JUN-2012 06:38

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



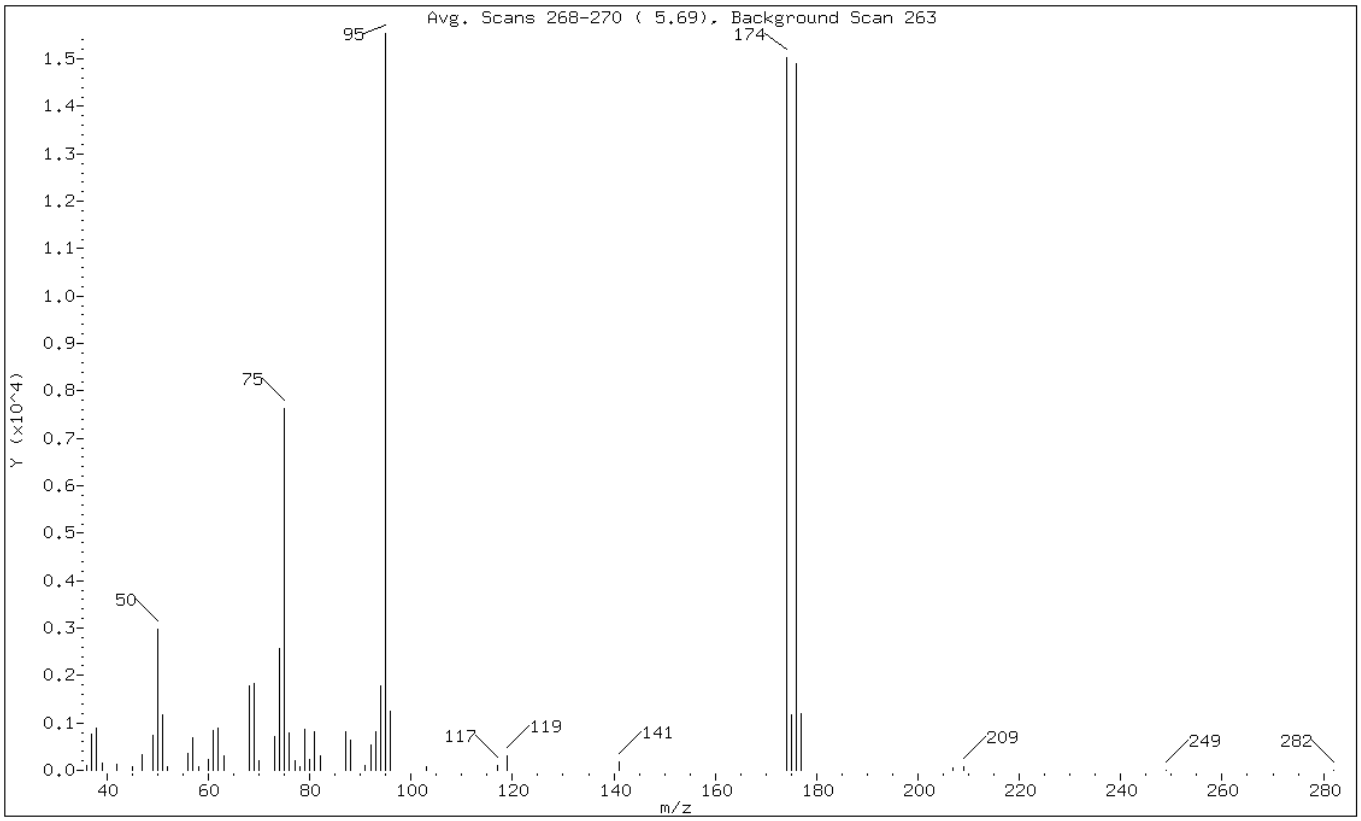
Data File: RR6351.D

Date: 14-JUN-2012 06:38

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.10
75	30.00 - 60.00% of mass 95	49.17
96	5.00 - 9.00% of mass 95	7.97
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	96.74
175	5.00 - 9.00% of mass 174	7.46 (7.71)
176	95.00 - 101.00% of mass 174	95.85 (99.08)
177	5.00 - 9.00% of mass 176	7.69 (8.02)

Data File: RR6351.D

Date: 14-JUN-2012 06:38

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\061412i.B\RR6351.D
Spectrum: Avg. Scans 268-270 (5.69), Background Scan 263
Location of Maximum: 95.00
Number of points: 51

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	105	58.00	85	78.00	87	103.00	83
37.00	771	60.00	226	79.00	876	117.00	94
38.00	889	61.00	842	80.00	228	119.00	314
39.00	151	62.00	880	81.00	818	141.00	178
42.00	139	63.00	299	82.00	300	174.00	15031
45.00	68	68.00	1769	87.00	816	175.00	1159
47.00	319	69.00	1828	88.00	645	176.00	14893
49.00	730	70.00	194	91.00	99	177.00	1195
50.00	2968	73.00	713	92.00	526	207.00	40
51.00	1165	74.00	2581	93.00	808	209.00	83
52.00	88	75.00	7640	94.00	1788	249.00	10
56.00	368	76.00	787	95.00	15538	282.00	12
57.00	690	77.00	195	96.00	1239		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6385.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 15-JUN-2012 06:43
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment   :
Method   : \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC088

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.698	5.620	(0.000)	95	22528			0.00- 100.00	100.00
5.698	5.620	(0.000)	50	5019			15.00- 40.00	22.28
5.698	5.620	(0.000)	75	11183			30.00- 60.00	49.64
5.698	5.620	(0.000)	96	1389			5.00- 9.00	6.17
5.698	5.620	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.698	5.620	(0.000)	174	22520			50.00- 0.00	99.96
5.698	5.620	(0.000)	175	1669			5.00- 9.00	7.41
5.698	5.620	(0.000)	176	21400			95.00- 101.00	95.03
5.698	5.620	(0.000)	177	1640			5.00- 9.00	7.66

Data File: RR6385.D

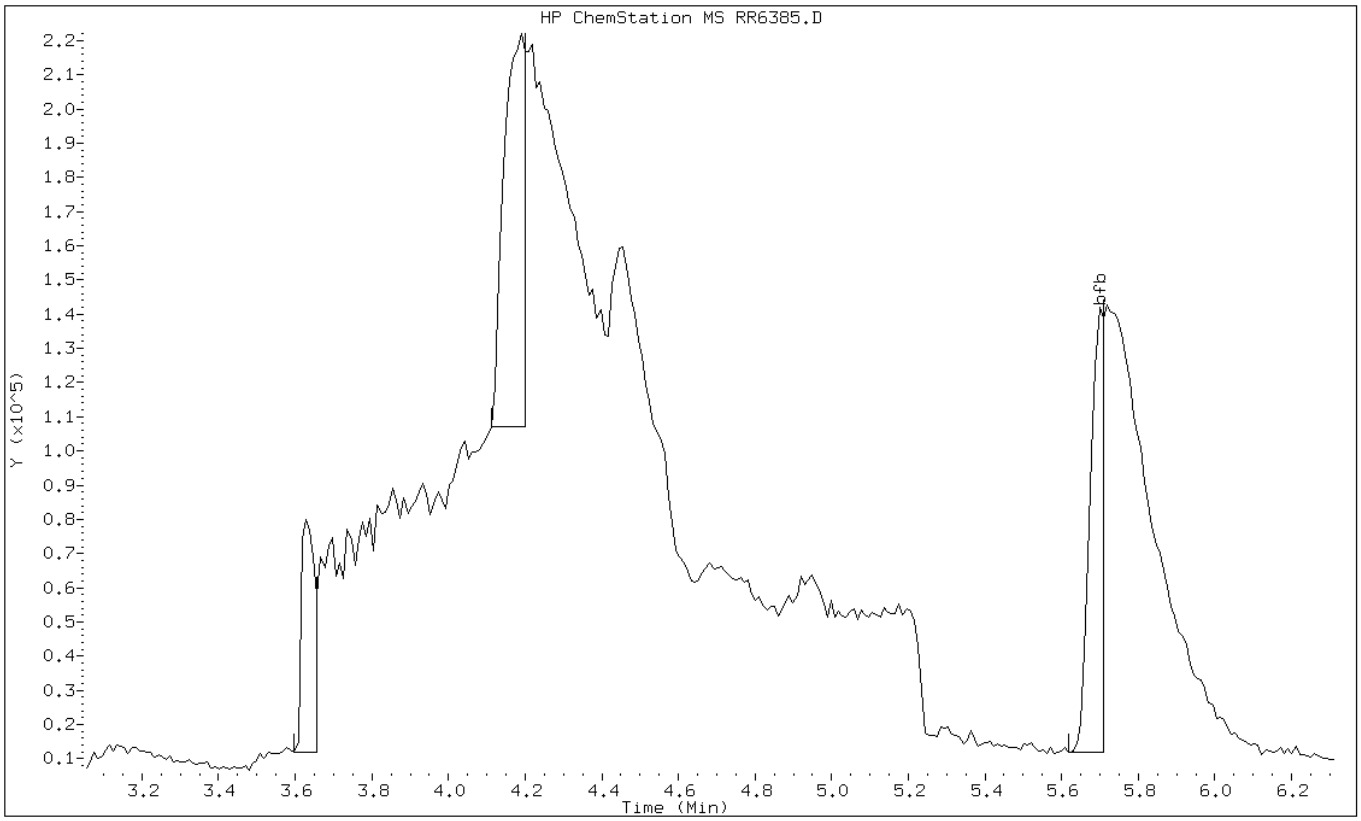
Date: 15-JUN-2012 06:43

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



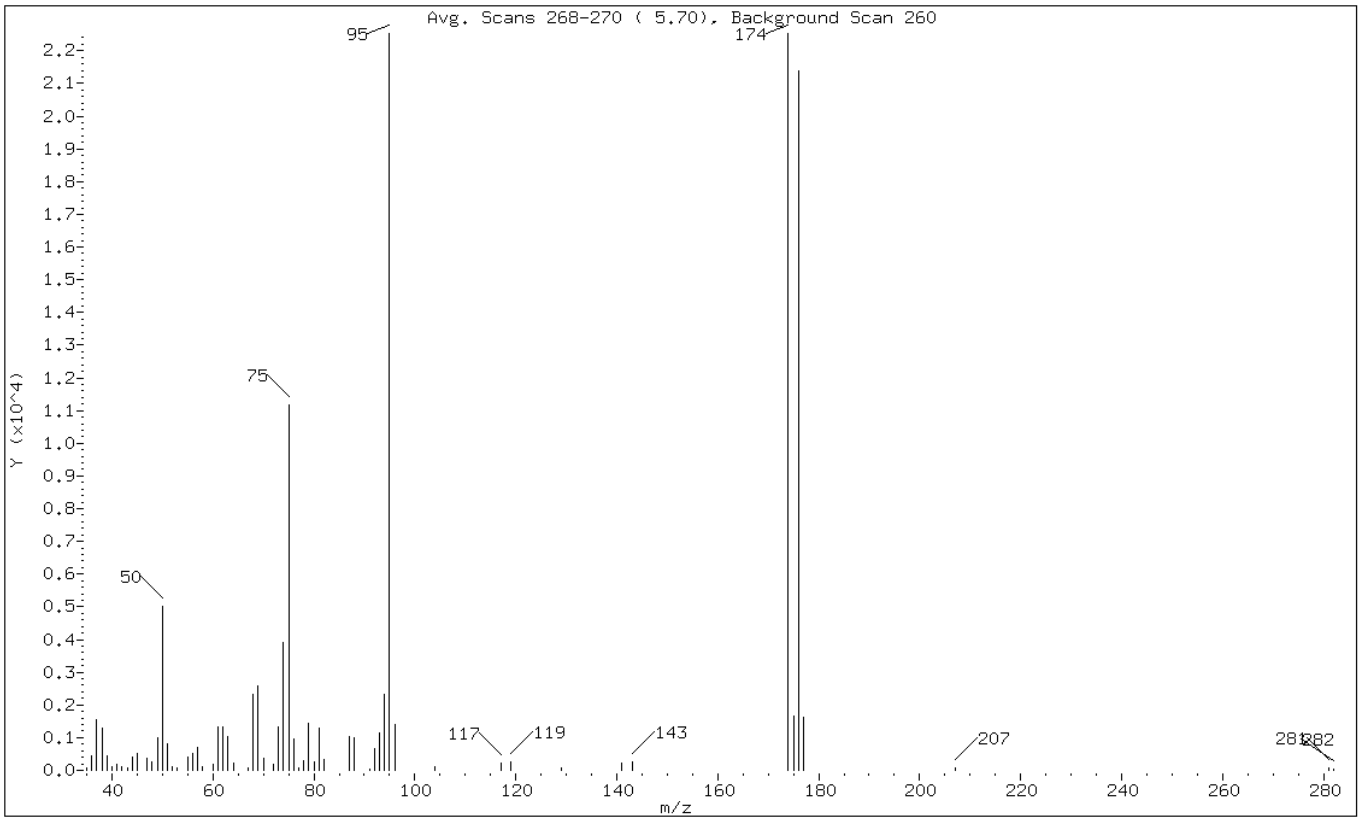
Data File: RR6385.D

Date: 15-JUN-2012 06:43

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.28
75	30.00 - 60.00% of mass 95	49.64
96	5.00 - 9.00% of mass 95	6.17
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	99.96
175	5.00 - 9.00% of mass 174	7.41 (7.41)
176	95.00 - 101.00% of mass 174	94.99 (95.03)
177	5.00 - 9.00% of mass 176	7.28 (7.66)

Data File: RR6385.D

Date: 15-JUN-2012 06:43

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\061512i.B\RR6385.D
Spectrum: Avg. Scans 268-270 (5.70), Background Scan 260
Location of Maximum: 95.00
Number of points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	87	52.00	99	73.00	1326	95.00	22528
36.00	444	53.00	88	74.00	3896	96.00	1389
37.00	1535	55.00	407	75.00	11183	104.00	100
38.00	1302	56.00	504	76.00	942	117.00	204
39.00	449	57.00	699	77.00	75	119.00	243
40.00	107	58.00	93	78.00	299	129.00	86
41.00	194	60.00	196	79.00	1420	141.00	220
42.00	128	61.00	1314	80.00	276	143.00	254
43.00	86	62.00	1334	81.00	1294	174.00	22520
44.00	413	63.00	1028	82.00	338	175.00	1669
45.00	511	64.00	215	87.00	1028	176.00	21400
47.00	362	67.00	85	88.00	996	177.00	1640
48.00	268	68.00	2336	91.00	27	207.00	83
49.00	1008	69.00	2573	92.00	657	281.00	79
50.00	5019	70.00	379	93.00	1155	282.00	26
51.00	824	72.00	196	94.00	2327		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6855.D
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 02-JUL-2012 06:11
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : BFB
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\bfb390.m
Meth Date : 20-Dec-2010 18:53 target Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: DENPC088

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.703	5.620	(0.000)	95	48656			0.00- 100.00	98.48
5.703	5.620	(0.000)	50	9757			15.00- 40.00	20.05
5.703	5.620	(0.000)	75	22456			30.00- 60.00	46.15
5.703	5.620	(0.000)	96	3535			5.00- 9.00	7.27
5.703	5.620	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
5.703	5.620	(0.000)	174	49408			50.00- 0.00	101.55
5.703	5.620	(0.000)	175	3624			5.00- 9.00	7.33
5.703	5.620	(0.000)	176	49368			95.00- 101.00	99.92
5.703	5.620	(0.000)	177	3287			5.00- 9.00	6.66

Data File: RR6855.D

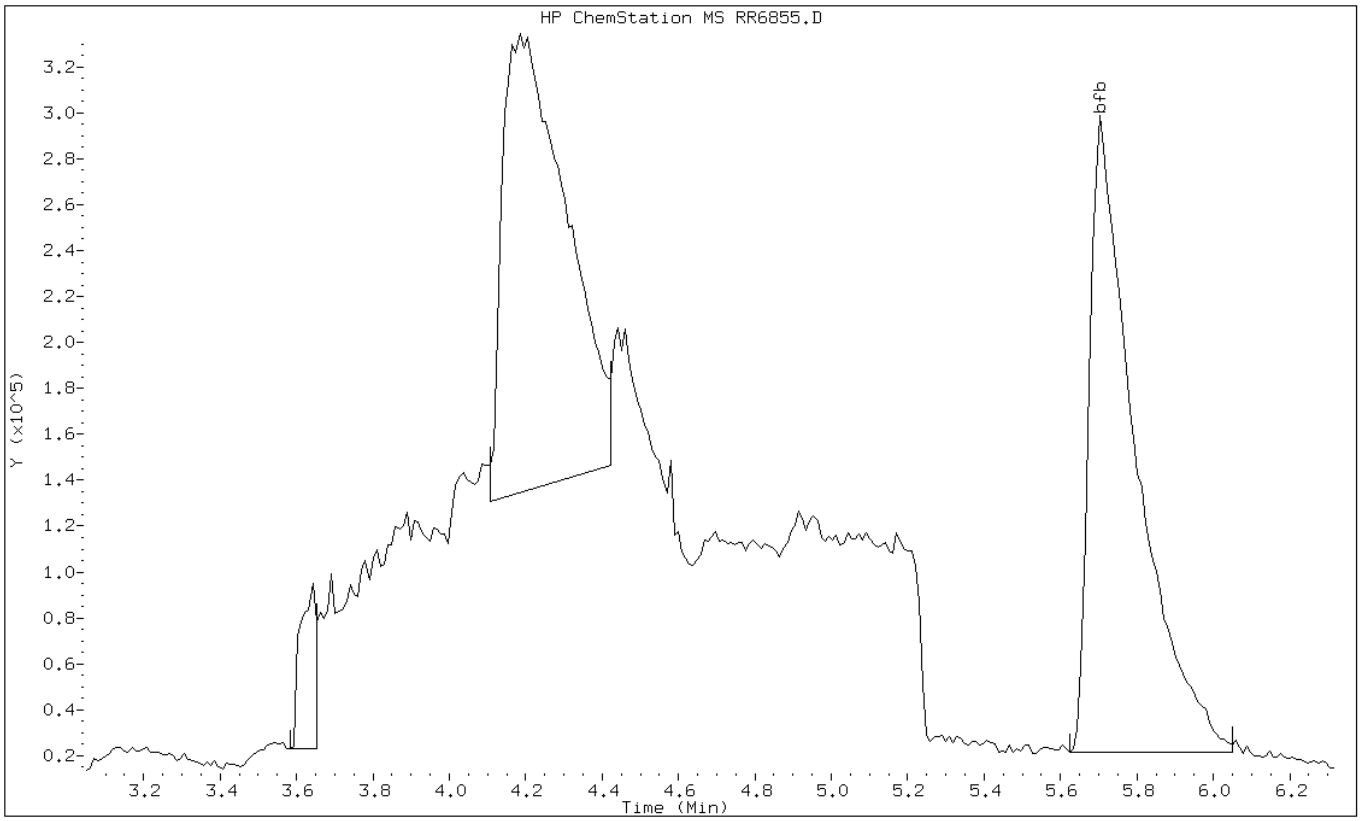
Date: 02-JUL-2012 06:11

Client ID: BFB

Instrument: R2.i

Sample Info: BFB

Operator: DOBRANSKYM



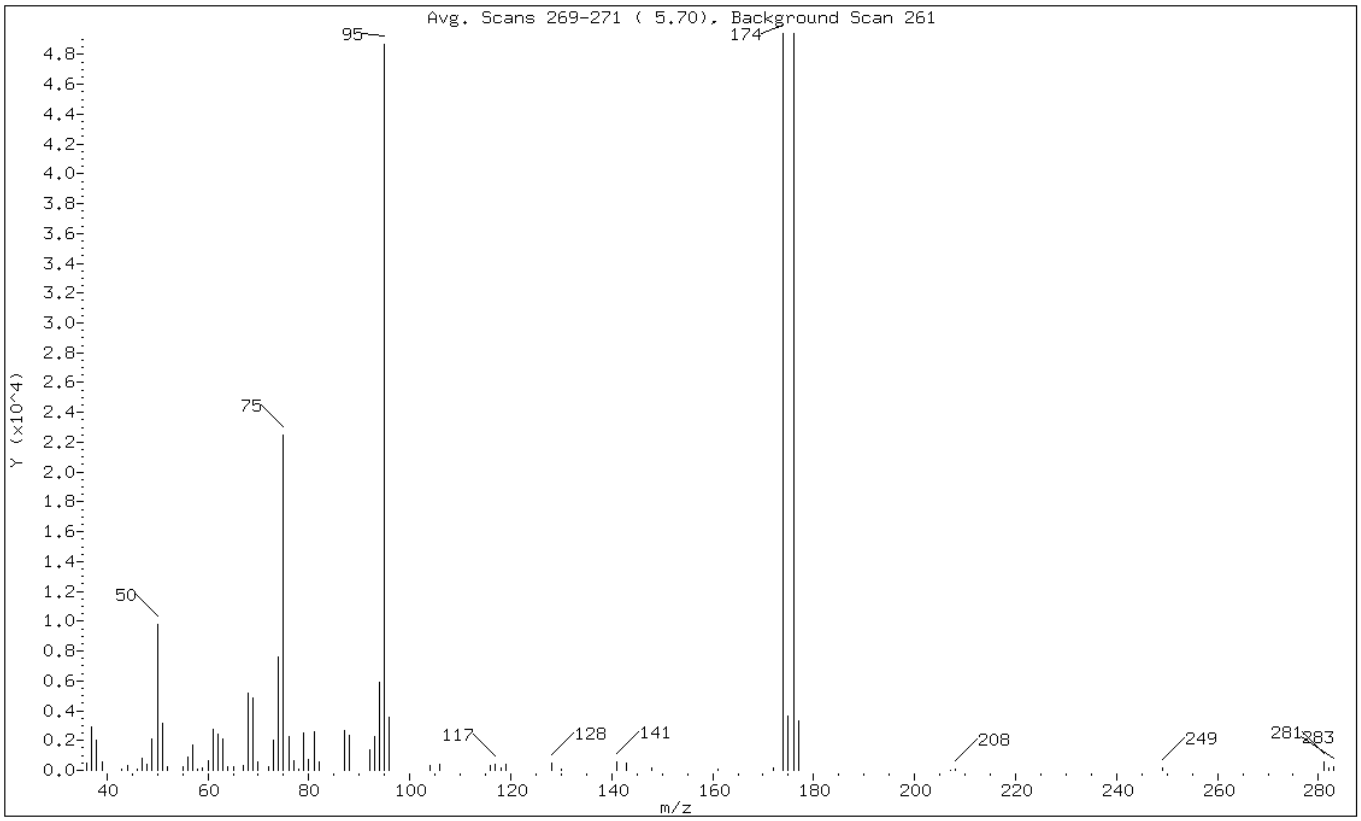
Data File: RR6855.D

Date: 02-JUL-2012 06:11

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.05
75	30.00 - 60.00% of mass 95	46.15
96	5.00 - 9.00% of mass 95	7.27
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	101.55
175	5.00 - 9.00% of mass 174	7.45 (7.33)
176	95.00 - 101.00% of mass 174	101.46 (99.92)
177	5.00 - 9.00% of mass 176	6.76 (6.66)

Data File: RR6855.D

Date: 02-JUL-2012 06:11

Client ID: BFB Instrument: R2.i

Sample Info: BFB Operator: DOBRANSKYM

Data File: \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6855.D
Spectrum: Avg. Scans 269-271 (5.70), Background Scan 261
Location of Maximum: 174.00
Number of points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	457	60.00	609	80.00	715	141.00	536
37.00	2933	61.00	2730	81.00	2555	143.00	503
38.00	2043	62.00	2411	82.00	589	148.00	171
39.00	555	63.00	2092	87.00	2647	161.00	85
43.00	112	64.00	278	88.00	2322	172.00	179
44.00	296	65.00	261	92.00	1404	174.00	49408
46.00	100	67.00	300	93.00	2242	175.00	3624
47.00	784	68.00	5144	94.00	5930	176.00	49368
48.00	410	69.00	4836	95.00	48656	177.00	3287
49.00	2139	70.00	580	96.00	3535	207.00	25
50.00	9757	72.00	270	104.00	336	208.00	44
51.00	3133	73.00	2029	106.00	382	249.00	198
52.00	283	74.00	7625	116.00	302	281.00	532
55.00	271	75.00	22456	117.00	435	282.00	163
56.00	862	76.00	2225	118.00	185	283.00	213
57.00	1689	77.00	665	119.00	373		
58.00	99	78.00	116	128.00	452		
59.00	178	79.00	2502	130.00	90		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30435-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-126338/7

Matrix: Water | Lab File ID: RR6863.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 08:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.20	U	1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	0.20	U	1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	0.20	U	1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.20	U	1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.20	U	1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	0.20	U	1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
67-64-1	Acetone	6.4	U	10	6.4	1.9
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.20	U	1.0	0.20	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30435-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-126338/7

Matrix: Water | Lab File ID: RR6863.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 08:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
106-93-4	Ethylene Dibromide	0.20	U	1.0	0.20	0.18
75-09-2	Methylene Chloride	0.40	U	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.80	U	1.5	0.80	0.40
123-91-1	1,4-Dioxane	80	U	220	80	71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.0	U	3.0	3.0	0.79
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-126338/7

Matrix: Water Lab File ID: RR6863.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 08:56

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	106		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		70-120
460-00-4	4-Bromofluorobenzene (Surr)	98		75-120
1868-53-7	Dibromofluoromethane (Surr)	91		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6863.D
Lab Smp Id: MB
Inj Date : 02-JUL-2012 08:56
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : MB,,AF
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 08:27 dobranskym Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62	Fluorobenzene	96	8.571	8.564	(1.000)	1175315	12.5000	
* 88	Chlorobenzene-d5	119	11.440	11.434	(1.000)	235446	12.5000	
* 113	1,4-Dichlorobenzene-d4	152	14.044	14.047	(1.000)	322611	12.5000	
$ 52	Dibromofluoromethane (Surr)	111	7.969	7.964	(0.930)	416125	10.2285	10.2285
$ 58	1,2-Dichloroethane-d4	65	8.295	8.290	(0.968)	261895	9.72005	9.72005
$ 76	Toluene-d8	98	9.961	9.956	(0.871)	1357624	11.8691	11.8690
$ 99	4-Bromofluorobenzene (Surr)	95	12.742	12.737	(0.907)	367766	11.0369	11.0369
M 2	1,2-Dichloroethene (total)	96	Compound Not Detected.					
M 3	Xylene (total)	106	Compound Not Detected.					
7	dichlorodifluoromethane	85	Compound Not Detected.					
8	1,2-Dichlorotetrafluoroethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Ethylene Oxide	43	Compound Not Detected.					
12	Bromomethane	94	Compound Not Detected.					
13	Chloroethane	64	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
15	Trichlorofluoromethane	101	Compound Not Detected.					
16	Ethanol	45	Compound Not Detected.					
17	1,2-dichloro-1,1,2-trifluoroe	117	Compound Not Detected.					
19	Ethyl Ether	59	Compound Not Detected.					
20	2,2-dichloro-1,1,1-trifluoroe	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Acrolein	56	Compound Not Detected.					
24 Acetone	43	Compound Not Detected.					
23 Trichlorotrifluoroethane	151	Compound Not Detected.					
18 2-propanol	45	Compound Not Detected.					
25 1,1-Dichloroethene	96	Compound Not Detected.					
26 Iodomethane	142	Compound Not Detected.					
28 Acetonitrile	41	Compound Not Detected.					
27 Methyl Acetate	43	Compound Not Detected.					
30 Carbon Disulfide	76	Compound Not Detected.					
29 Allyl Chloride	41	Compound Not Detected.					
31 tert-Butyl alcohol	59	Compound Not Detected.					
32 Methylene Chloride	84	Compound Not Detected.					
33 Acrylonitrile	53	Compound Not Detected.					
34 Methyl t-butyl ether	73	Compound Not Detected.					
35 trans-1,2-Dichloroethene	96	Compound Not Detected.					
36 Hexane	57	Compound Not Detected.					
37 Vinyl acetate	43	Compound Not Detected.					
38 Isopropyl ether	87	Compound Not Detected.					
39 1,1-Dichloroethane	63	Compound Not Detected.					
40 Chloroprene	53	Compound Not Detected.					
41 ETBE	59	Compound Not Detected.					
43 2-Butanone	43	Compound Not Detected.					
44 2-Butanol	45	Compound Not Detected.					
42 Ethyl Acetate	43	Compound Not Detected.					
45 cis-1,2-Dichloroethene	96	Compound Not Detected.					
46 Propionitrile	54	Compound Not Detected.					
47 2,2-Dichloropropane	77	Compound Not Detected.					
48 Methacrylonitrile	41	Compound Not Detected.					
49 Bromochloromethane	128	Compound Not Detected.					
50 Chloroform	83	Compound Not Detected.					
51 Tetrahydrofuran	42	Compound Not Detected.					
54 1,1,1-Trichloroethane	97	Compound Not Detected.					
53 Isobutanol	41	Compound Not Detected.					
55 Cyclohexane	56	Compound Not Detected.					
56 1,1-Dichloropropene	75	Compound Not Detected.					
57 Carbon Tetrachloride	117	Compound Not Detected.					
60 1,2-Dichloroethane	62	Compound Not Detected.					
61 Benzene	78	Compound Not Detected.					
59 TAME	73	Compound Not Detected.					
63 n-Butanol	56	Compound Not Detected.					
64 Trichloroethene	95	Compound Not Detected.					
65 2-Pentanone	43	Compound Not Detected.					
66 Methyl Methacrylate	100	Compound Not Detected.					
68 1,2-Dichloropropane	63	Compound Not Detected.					
67 Methyl Cyclohexane	55	Compound Not Detected.					
69 1,4-Dioxane	88	Compound Not Detected.					
70 Dibromomethane	93	Compound Not Detected.					
71 Bromodichloromethane	83	Compound Not Detected.					
73 2-nitropropane	41	Compound Not Detected.					
72 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
74 cis-1,3-Dichloropropene	75	Compound Not Detected.					
75 4-Methyl-2-pentanone	43	Compound Not Detected.					
77 Toluene	91	Compound Not Detected.					
79 trans-1,3-Dichloropropene	75	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
78	Ethyl methacrylate	69	Compound Not Detected.					
80	1,1,2-Trichloroethane	97	Compound Not Detected.					
81	2-Hexanone	43	Compound Not Detected.					
82	1,3-Dichloropropane	76	Compound Not Detected.					
83	Tetrachloroethene	164	Compound Not Detected.					
84	Dibromochloromethane	129	Compound Not Detected.					
85	Tetrahydrothiophene	60	Compound Not Detected.					
86	1,2-Dibromoethane	107	Compound Not Detected.					
87	1-Chlorohexane	91	Compound Not Detected.					
89	Chlorobenzene	112	Compound Not Detected.					
90	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
91	Ethylbenzene	106	Compound Not Detected.					
92	m and p-Xylene	106	Compound Not Detected.					
93	o-Xylene	106	Compound Not Detected.					
94	Styrene	104	Compound Not Detected.					
95	Bromoform	173	Compound Not Detected.					
96	isopropyl benzene	105	Compound Not Detected.					
97	cis-1,4-dichloro-2-butene	53	Compound Not Detected.					
98	Cyclohexanone	55	Compound Not Detected.					
100	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
101	t-1,4-Dichloro-2-butene	53	Compound Not Detected.					
102	1,2,3-Trichloropropane	110	Compound Not Detected.					
103	Bromobenzene	156	Compound Not Detected.					
104	n-Propylbenzene	120	Compound Not Detected.					
106	2-Chlorotoluene	126	Compound Not Detected.					
105	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
107	4-Chlorotoluene	126	Compound Not Detected.					
108	tert-Butylbenzene	119	Compound Not Detected.					
109	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
110	sec-Butylbenzene	134	Compound Not Detected.					
111	4-Isopropyltoluene	119	Compound Not Detected.					
112	1,3-Dichlorobenzene	146	Compound Not Detected.					
114	1,4-dichlorobenzene	146	Compound Not Detected.					
115	1,2,3-Trimethylbenzene	105	Compound Not Detected.					
116	n-Butylbenzene	91	Compound Not Detected.					
117	1,2-Dichlorobenzene	146	Compound Not Detected.					
118	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
120	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
121	Hexachlorobutadiene	225	Compound Not Detected.					
122	Naphthalene	128	Compound Not Detected.					
123	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: RR6863.D

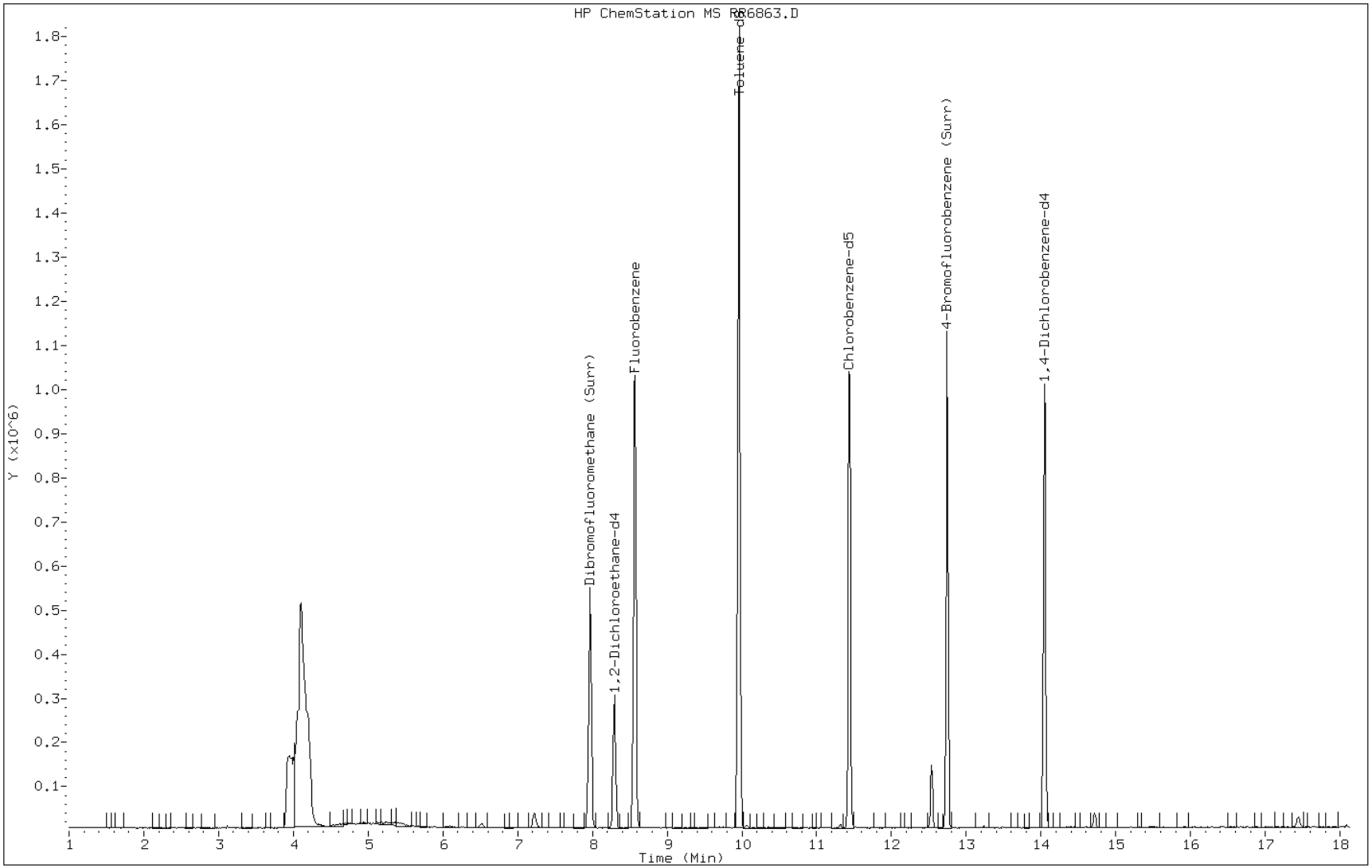
Date: 02-JUL-2012 08:56

Client ID:

Instrument: R2.i

Sample Info: MB,,AF

Operator: DOBRANSKYM



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30435-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-126338/6

Matrix: Water | Lab File ID: RR6862.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 08:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	4.44		1.0	0.20	0.17
71-55-6	1,1,1-Trichloroethane	4.14		1.0	0.20	0.16
96-18-4	1,2,3-Trichloropropane	4.69		3.0	0.80	0.77
87-61-6	1,2,3-Trichlorobenzene	4.45		1.0	0.40	0.18
75-34-3	1,1-Dichloroethane	4.55		1.0	0.20	0.16
120-82-1	1,2,4-Trichlorobenzene	4.42		1.0	0.80	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	4.42	J	5.0	1.6	0.81
563-58-6	1,1-Dichloropropene	4.53		1.0	0.40	0.15
75-35-4	1,1-Dichloroethene	4.74		1.0	0.20	0.14
79-00-5	1,1,2-Trichloroethane	4.67		1.0	0.40	0.32
79-34-5	1,1,2,2-Tetrachloroethane	4.55		1.0	0.40	0.20
95-63-6	1,2,4-Trimethylbenzene	4.42		1.0	0.20	0.14
95-50-1	1,2-Dichlorobenzene	4.59		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	4.76		1.0	0.20	0.13
541-73-1	1,3-Dichlorobenzene	4.60		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	4.55		1.0	0.20	0.15
108-67-8	1,3,5-Trimethylbenzene	4.51		1.0	0.40	0.14
78-93-3	2-Butanone (MEK)	28.0		6.0	3.2	1.8
106-46-7	1,4-Dichlorobenzene	4.58		1.0	0.40	0.16
78-87-5	1,2-Dichloropropane	4.61		1.0	0.20	0.13
594-20-7	2,2-Dichloropropane	4.36		1.0	0.40	0.20
591-78-6	2-Hexanone	22.4		5.0	3.2	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	22.0		5.0	3.2	1.0
99-87-6	4-Isopropyltoluene	4.53		1.0	0.40	0.17
71-43-2	Benzene	4.47		1.0	0.20	0.16
67-64-1	Acetone	23.2		10	6.4	1.9
108-86-1	Bromobenzene	4.60		1.0	0.20	0.17
75-25-2	Bromoform	4.55		1.0	0.40	0.19
74-83-9	Bromomethane	4.95		2.0	0.40	0.21
56-23-5	Carbon tetrachloride	4.29		2.0	0.40	0.19
75-15-0	Carbon disulfide	4.43		2.0	0.80	0.45
95-49-8	2-Chlorotoluene	4.70		1.0	0.40	0.17
106-43-4	4-Chlorotoluene	4.80		1.0	0.40	0.17
108-90-7	Chlorobenzene	4.48		1.0	0.20	0.17
74-97-5	Chlorobromomethane	4.47		1.0	0.20	0.10
124-48-1	Chlorodibromomethane	4.49		1.0	0.40	0.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-30435-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-126338/6

Matrix: Water | Lab File ID: RR6862.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 07/02/2012 08:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 126338 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
67-66-3	Chloroform	4.23		1.0	0.20	0.16
75-00-3	Chloroethane	4.41		2.0	1.6	0.41
74-87-3	Chloromethane	4.55		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	4.52		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	4.38		1.0	0.20	0.16
74-95-3	Dibromomethane	4.48		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	4.31		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	4.47		2.0	0.80	0.31
100-41-4	Ethylbenzene	4.75		1.0	0.20	0.16
87-68-3	Hexachlorobutadiene	4.29		1.0	0.40	0.36
98-82-8	Isopropylbenzene	4.60		1.0	0.40	0.19
106-93-4	Ethylene Dibromide	4.55		1.0	0.20	0.18
75-09-2	Methylene Chloride	4.55	J	5.0	0.40	0.32
1634-04-4	Methyl tert-butyl ether	4.29	J	5.0	0.40	0.25
179601-23-1	m-Xylene & p-Xylene	9.26		2.0	0.80	0.34
91-20-3	Naphthalene	4.29		1.0	0.80	0.22
104-51-8	n-Butylbenzene	4.65		1.0	0.40	0.32
103-65-1	N-Propylbenzene	4.70		1.0	0.20	0.16
95-47-6	o-Xylene	4.67		1.0	0.40	0.19
100-42-5	Styrene	4.39		1.0	0.40	0.17
135-98-8	sec-Butylbenzene	4.69		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	4.55		1.0	0.40	0.16
156-60-5	trans-1,2-Dichloroethene	4.54		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	4.45		1.0	0.40	0.19
127-18-4	Tetrachloroethene	4.59		1.0	0.40	0.20
108-88-3	Toluene	4.55		1.0	0.40	0.17
79-01-6	Trichloroethene	4.59		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	4.81		2.0	0.80	0.29
75-01-4	Vinyl chloride	4.60		1.5	0.80	0.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-126338/6

Matrix: Water Lab File ID: RR6862.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 07/02/2012 08:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 126338 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		85-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		70-120
460-00-4	4-Bromofluorobenzene (Surr)	89		75-120
1868-53-7	Dibromofluoromethane (Surr)	90		85-115

TestAmerica

VOLATILE REPORT SW-846

Data file : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\RR6862.D
Lab Smp Id: LCS
Inj Date : 02-JUL-2012 08:34
Operator : DOBRANSKYM Inst ID: R2.i
Smp Info : LCS,,2.5uL
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSV\R2.i\070212.B\8260B-H2O.m
Meth Date : 02-Jul-2012 08:27 dobranskym Quant Type: ISTD
Cal Date : 14-JUN-2012 09:23 Cal File: RR6359.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: lcs-DOD.sub
Target Version: 4.14
Processing Host: DENPC364

Concentration Formula: Amt * DF * Vp/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vp	20.000	Purge Volume (mL)
Vs	20.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	62 Fluorobenzene	96	8.563	8.564	(1.000)	1213193	12.5000	
*	88 Chlorobenzene-d5	119	11.432	11.434	(1.000)	248180	12.5000	
*	113 1,4-Dichlorobenzene-d4	152	14.046	14.047	(1.000)	378219	12.5000	
$	52 Dibromofluoromethane (Surr)	111	7.961	7.964	(0.930)	426169	10.1336	10.1336
$	58 1,2-Dichloroethane-d4	65	8.297	8.290	(0.969)	260196	9.30322	9.30322
$	76 Toluene-d8	98	9.953	9.956	(0.871)	1374750	11.3043	11.3043
$	99 4-Bromofluorobenzene (Surr)	95	12.744	12.737	(0.907)	395979	9.95772	9.95772
M	2 1,2-Dichloroethene (total)	96				305065	9.05513	9.05513
M	3 Xylene (total)	106				652711	13.9259	13.9259
	7 dichlorodifluoromethane	85	4.461	4.447	(0.521)	149583	4.46935	4.46935
	9 Chloromethane	50	4.717	4.705	(0.551)	131160	4.55165	4.55165
	10 Vinyl Chloride	62	4.875	4.871	(0.569)	142532	4.60129	4.60129
	12 Bromomethane	94	5.289	5.285	(0.618)	143317	4.94511	4.94511
	13 Chloroethane	64	5.348	5.354	(0.625)	88379	4.41409	4.41409
	15 Trichlorofluoromethane	101	5.674	5.660	(0.663)	251920	4.80809	4.80809
	24 Acetone	43	6.098	6.089	(0.712)	61770	23.2109	23.2109
	25 1,1-Dichloroethene	96	6.127	6.109	(0.716)	154298	4.74059	4.74059
	30 Carbon Disulfide	76	6.423	6.416	(0.750)	582924	4.42950	4.42950
	32 Methylene Chloride	84	6.522	6.513	(0.762)	131563	4.55235	4.55235
	34 Methyl t-butyl ether	73	6.699	6.702	(0.782)	140140	4.28936	4.28936(a)
	35 trans-1,2-Dichloroethene	96	6.758	6.750	(0.789)	159330	4.53941	4.53941
	37 Vinyl acetate	43	7.044	7.037	(0.823)	110734	4.60301	4.60301

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
39	1,1-Dichloroethane	63	7.113	7.105	(0.831)	264244	4.54689	4.54689
43	2-Butanone	43	7.537	7.529	(0.880)	95063	27.9974	27.9974
44	2-Butanol	45	7.577	7.580	(0.885)	76906	151.502	151.502
45	cis-1,2-Dichloroethene	96	7.596	7.588	(0.887)	145735	4.51573	4.51572
47	2,2-Dichloropropane	77	7.626	7.618	(0.891)	204090	4.36353	4.36352(a)
49	Bromochloromethane	128	7.813	7.815	(0.912)	54432	4.46621	4.46621
50	Chloroform	83	7.823	7.815	(0.914)	243707	4.23046	4.23046
54	1,1,1-Trichloroethane	97	8.060	8.052	(0.941)	219462	4.13922	4.13922
56	1,1-Dichloropropene	75	8.168	8.160	(0.954)	217043	4.53149	4.53149
57	Carbon Tetrachloride	117	8.208	8.209	(0.959)	214064	4.28541	4.28541
60	1,2-Dichloroethane	62	8.356	8.357	(0.976)	112066	4.76303	4.76303
61	Benzene	78	8.375	8.367	(0.978)	504291	4.46771	4.46771
64	Trichloroethene	95	8.888	8.880	(1.038)	156383	4.58944	4.58944
65	2-Pentanone	43	8.938	8.931	(1.044)	53454	8.67247	8.67247
68	1,2-Dichloropropane	63	9.105	9.097	(1.063)	111652	4.60580	4.60580
70	Dibromomethane	93	9.224	9.225	(1.077)	51736	4.48161	4.48161
71	Bromodichloromethane	83	9.302	9.304	(1.086)	139008	4.31430	4.31430
74	cis-1,3-Dichloropropene	75	9.687	9.679	(1.131)	142060	4.37841	4.37841
75	4-Methyl-2-pentanone	43	9.746	9.748	(1.138)	165864	22.0189	22.0189
77	Toluene	91	10.022	10.024	(1.170)	512899	4.55298	4.55298
79	trans-1,3-Dichloropropene	75	10.160	10.152	(1.187)	102803	4.45395	4.45395
80	1,1,2-Trichloroethane	97	10.367	10.369	(1.211)	55417	4.67401	4.67401
81	2-Hexanone	43	10.506	10.507	(0.919)	111487	22.4217	22.4217
82	1,3-Dichloropropane	76	10.545	10.547	(0.922)	96866	4.55009	4.55009
83	Tetrachloroethene	164	10.565	10.566	(0.924)	140799	4.59040	4.59040
84	Dibromochloromethane	129	10.811	10.813	(0.946)	84847	4.49499	4.49499
86	1,2-Dibromoethane	107	10.989	10.990	(0.961)	57453	4.54880	4.54880
89	Chlorobenzene	112	11.472	11.474	(1.003)	322312	4.48401	4.48401
90	1,1,1,2-Tetrachloroethane	131	11.521	11.523	(1.008)	106850	4.43689	4.43689
91	Ethylbenzene	106	11.521	11.513	(1.008)	187567	4.74698	4.74698
92	m and p-Xylene	106	11.630	11.631	(1.017)	448704	9.25949	9.25948
93	o-Xylene	106	12.133	12.124	(1.061)	204007	4.66646	4.66646
94	Styrene	104	12.133	12.134	(1.061)	279914	4.39152	4.39152
95	Bromoform	173	12.438	12.440	(1.088)	48103	4.54874	4.54874
96	isopropyl benzene	105	12.517	12.519	(0.891)	583986	4.59808	4.59808
100	1,1,2,2-Tetrachloroethane	83	12.823	12.825	(0.913)	57013	4.54625	4.54625
102	1,2,3-Trichloropropane	110	12.922	12.923	(0.920)	13794	4.68656	4.68656(Q)
103	Bromobenzene	156	12.971	12.963	(0.923)	134295	4.59516	4.59516
104	n-Propylbenzene	120	12.971	12.963	(0.923)	163153	4.70005	4.70005
106	2-Chlorotoluene	126	13.129	13.130	(0.935)	142243	4.69715	4.69715
105	1,3,5-Trimethylbenzene	105	13.119	13.120	(0.934)	456301	4.51118	4.51118
107	4-Chlorotoluene	126	13.237	13.239	(0.942)	138264	4.80072	4.80072
108	tert-Butylbenzene	119	13.523	13.515	(0.963)	407833	4.54701	4.54701
109	1,2,4-Trimethylbenzene	105	13.563	13.564	(0.966)	436082	4.41859	4.41859
110	sec-Butylbenzene	134	13.770	13.761	(0.980)	129826	4.69386	4.69386
111	4-Isopropyltoluene	119	13.898	13.899	(0.989)	517906	4.53264	4.53264
112	1,3-Dichlorobenzene	146	13.987	13.978	(0.996)	259683	4.59800	4.59800
114	1,4-dichlorobenzene	146	14.075	14.077	(1.002)	252763	4.57771	4.57771
116	n-Butylbenzene	91	14.401	14.402	(1.025)	548386	4.64670	4.64670
117	1,2-Dichlorobenzene	146	14.559	14.560	(1.037)	198653	4.59307	4.59307
118	1,2-Dibromo-3-chloropropane	157	15.564	15.566	(1.108)	8481	4.41904	4.41904
120	1,2,4-Trichlorobenzene	180	16.787	16.789	(1.195)	137580	4.42339	4.42339
121	Hexachlorobutadiene	225	16.984	16.986	(1.209)	126302	4.29073	4.29073
122	Naphthalene	128	17.251	17.252	(1.228)	122884	4.28570	4.28570

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
123 1,2,3-Trichlorobenzene	180	17.655	17.657	(1.257)	103194	4.44656	4.44656

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: RR6862.D

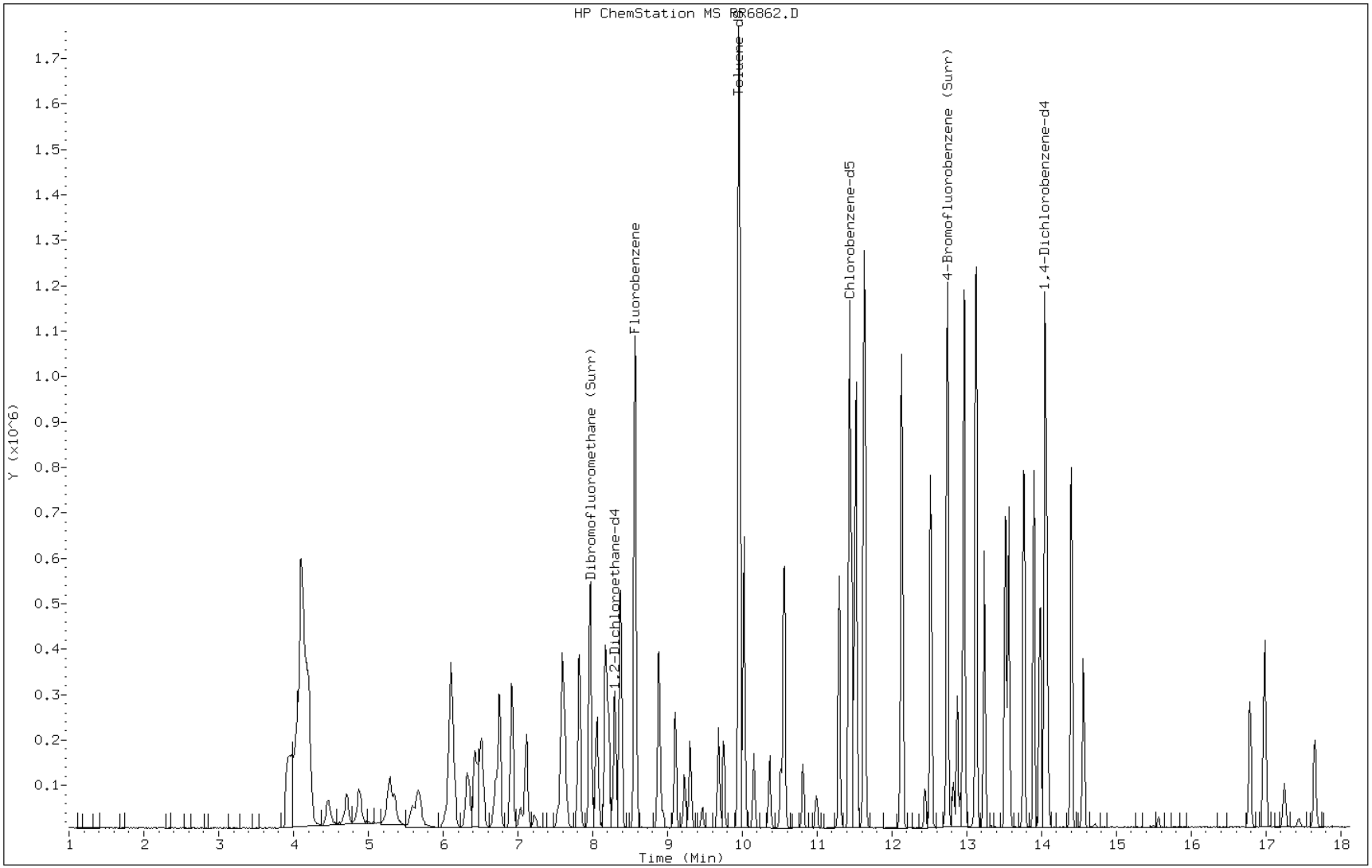
Date: 02-JUL-2012 08:34

Client ID:

Instrument: R2.i

Sample Info: LCS,,2.5uL

Operator: DOBRANSKYM



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 06/14/2012 06:38

Analysis Batch Number: 124040 End Date: 06/14/2012 18:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-124040/1		06/14/2012 06:38	1	RR6351.D	DB-624 (60.25) 0.25(mm)
CCV 280-124040/2		06/14/2012 07:10	1		DB-624 (60.25) 0.25(mm)
IC 280-124040/3		06/14/2012 07:32	1	RR6354.D	DB-624 (60.25) 0.25(mm)
IC 280-124040/4		06/14/2012 07:54	1	RR6355.D	DB-624 (60.25) 0.25(mm)
IC 280-124040/5		06/14/2012 08:17	1	RR6356.D	DB-624 (60.25) 0.25(mm)
ICIS 280-124040/6		06/14/2012 08:39	1	RR6357.D	DB-624 (60.25) 0.25(mm)
IC 280-124040/7		06/14/2012 09:01	1	RR6358.D	DB-624 (60.25) 0.25(mm)
IC 280-124040/8		06/14/2012 09:23	1	RR6359.D	DB-624 (60.25) 0.25(mm)
ICV 280-124040/9		06/14/2012 09:46	1	RR6360.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 10:08	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 10:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 10:53	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 11:16	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 11:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 12:01	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 12:23	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 12:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 13:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 13:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 13:54	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 14:16	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 14:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 15:02	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 15:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 15:47	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 16:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 16:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 16:55	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 17:17	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 17:40	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/14/2012 18:03	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 06/15/2012 06:43

Analysis Batch Number: 124226 End Date: 06/15/2012 17:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-124226/1		06/15/2012 06:43	1	RR6385.D	DB-624 (60.25) 0.25(mm)
CCV 280-124226/2		06/15/2012 07:15	1		DB-624 (60.25) 0.25(mm)
IC 280-124226/3		06/15/2012 07:37	1	RR6388.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/4		06/15/2012 08:00	1	RR6389.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/5		06/15/2012 08:22	1	RR6390.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/6		06/15/2012 08:45	1	RR6391.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/7		06/15/2012 09:07	1	RR6392.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/8		06/15/2012 09:30	1	RR6393.D	DB-624 (60.25) 0.25(mm)
IC 280-124226/9		06/15/2012 09:52	1	RR6394.D	DB-624 (60.25) 0.25(mm)
ICV 280-124226/10		06/15/2012 10:15	1	RR6395.D	DB-624 (60.25) 0.25(mm)
ICV 280-124226/11		06/15/2012 10:37	1	RR6396.D	DB-624 (60.25) 0.25(mm)
ICV 280-124226/12		06/15/2012 11:00	1	RR6397.D	DB-624 (60.25) 0.25(mm)
ICV 280-124226/13		06/15/2012 11:22	1	RR6398.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 11:45	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 12:08	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 12:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 13:01	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 13:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 13:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 14:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 14:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 14:54	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 15:17	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 15:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 16:01	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 16:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 16:47	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 17:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 17:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		06/15/2012 17:54	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-30435-1

SDG No.:

Instrument ID: MSV_R2 Start Date: 07/02/2012 06:11

Analysis Batch Number: 126338 End Date: 07/02/2012 18:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-126338/1		07/02/2012 06:11	1	RR6855.D	DB-624 (60.25) 0.25(mm)
CCV 280-126338/2		07/02/2012 06:43	1	RR6857.D	DB-624 (60.25) 0.25(mm)
CCV 280-126338/3		07/02/2012 07:27	1	RR6859.D	DB-624 (60.25) 0.25(mm)
CCV 280-126338/4		07/02/2012 07:49	1	RR6860.D	DB-624 (60.25) 0.25(mm)
CCV 280-126338/5		07/02/2012 08:11	1		DB-624 (60.25) 0.25(mm)
LCS 280-126338/6		07/02/2012 08:34	1	RR6862.D	DB-624 (60.25) 0.25(mm)
MB 280-126338/7		07/02/2012 08:56	1	RR6863.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 09:19	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 09:41	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 10:04	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 10:27	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 10:49	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 11:12	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 11:35	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 11:57	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 12:20	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 12:43	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 13:06	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 13:29	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 13:51	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 14:14	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 14:37	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 15:00	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 15:23	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 15:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 16:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 16:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 16:55	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 17:18	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		07/02/2012 17:41	1		DB-624 (60.25) 0.25(mm)
280-30435-1	LFVM2348QA	07/02/2012 18:04	1	RR6887.D	DB-624 (60.25) 0.25(mm)

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-30435-1

Login Number: 30435

List Source: TestAmerica Denver

List Number: 1

Creator: Cofoid, Stephen T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	COC AND BOTTLE LABEL DOES NOT MATCH
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30661-1

Job Description: Griffiss AFB LF6 LTM

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

Approved for release.
Julie L Dreesen
Project Mgmt. Assistant
7/17/2012 2:51 PM

Designee for
Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/17/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB LF6 LTM
Report Number: 280-30661-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Ten samples were received on 07/03/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.3ºC.

The sample collection date and sample collection time for samples 280-30661-2 through 280-30661-7 were logged per the chain-of-custody, as this information was not present on the associated sample container labels. The client was notified on July 3, 2012.

A sample ID discrepancy was noted between the information listed on the chain-of-custody and the container label for TA Denver samples 280-30661-7. The chain-of-custody lists the sample ID as LF6VM24499QA, while the container labels list the sample ID as LF6VM2449QA. The Sample Technician was able to determine the identity of the sample by comparing the sample collection time on the COC with the sample collection time on the sample container label. The sample ID was logged per the chain-of-custody. The client was notified on July 3, 2012.

BIOCHEMICAL OXYGEN DEMAND

Samples 775VM1095QA (280-30661-1), LF6VM10R230QA (280-30661-2), LF6VM1850QA (280-30661-3), LF6VM1926QA (280-30661-4), LF6VM2068QA (280-30661-5), LF6VM2175QA (280-30661-6), LF6VM24499QA (280-30661-7), LF6VM2544QA (280-30661-8), TMCM0919QA (280-30661-9) and 070212QE (280-30661-10) were analyzed for Biochemical Oxygen Demand in accordance with SM20 5210B. The samples were analyzed on 07/03/2012.

No difficulties were encountered during the BOD analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30661-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30661-1	775VM1095QA	Water	07/02/2012 1430	07/03/2012 0900
280-30661-2	LF6VM10R230QA	Water	07/02/2012 1551	07/03/2012 0900
280-30661-3	LF6VM1850QA	Water	07/02/2012 1359	07/03/2012 0900
280-30661-4	LF6VM1926QA	Water	07/02/2012 1323	07/03/2012 0900
280-30661-5	LF6VM2068QA	Water	07/02/2012 1253	07/03/2012 0900
280-30661-6	LF6VM2175QA	Water	07/02/2012 1055	07/03/2012 0900
280-30661-7	LF6VM24499QA	Water	07/02/2012 1511	07/03/2012 0900
280-30661-8	LF6VM2544QA	Water	07/02/2012 1130	07/03/2012 0900
280-30661-9	TMCM0919QA	Water	07/02/2012 1214	07/03/2012 0900
280-30661-10EB	070212QE	Water	07/02/2012 1625	07/03/2012 0900

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30661-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30661-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
BOD, 5 Day	TAL DEN	SM SM5210B	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30661-1

Method	Analyst	Analyst ID
SM SM5210B	Kilker, Lorelei M	LMK

General Chemistry

Client Sample ID: **775VM1095QA**

Lab Sample ID: 280-30661-1 Date Sampled: 07/02/2012 1430

Client Matrix: Water Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126522	Analysis Date: 07/03/2012 1320						

General Chemistry

Client Sample ID: **LF6VM10R230QA**

Lab Sample ID: 280-30661-2 Date Sampled: 07/02/2012 1551

Client Matrix: Water Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126522	Analysis Date: 07/03/2012 1325						

General Chemistry

Client Sample ID: **LF6VM1850QA**

Lab Sample ID: 280-30661-3 Date Sampled: 07/02/2012 1359

Client Matrix: Water Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126522	Analysis Date: 07/03/2012 1326						

General Chemistry

Client Sample ID: **LF6VM1926QA**

Lab Sample ID: 280-30661-4 Date Sampled: 07/02/2012 1323

Client Matrix: Water Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126522	Analysis Date: 07/03/2012 1327						

General Chemistry

Client Sample ID: **LF6VM2068QA**

Lab Sample ID: 280-30661-5 Date Sampled: 07/02/2012 1253

Client Matrix: Water Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126522	Analysis Date: 07/03/2012 1330						

General Chemistry

Client Sample ID: **LF6VM2175QA**

Lab Sample ID: 280-30661-6 Date Sampled: 07/02/2012 1055

Client Matrix: Water Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126522	Analysis Date: 07/03/2012 1350						

General Chemistry

Client Sample ID: **LF6VM24499QA**

Lab Sample ID: 280-30661-7 Date Sampled: 07/02/2012 1511

Client Matrix: Water Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126522	Analysis Date: 07/03/2012 1340						

General Chemistry

Client Sample ID: **LF6VM2544QA**

Lab Sample ID: 280-30661-8 Date Sampled: 07/02/2012 1130

Client Matrix: Water Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126522	Analysis Date: 07/03/2012 1355						

General Chemistry

Client Sample ID: **TMCM0919QA**

Lab Sample ID: 280-30661-9 Date Sampled: 07/02/2012 1214

Client Matrix: Water Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126522	Analysis Date: 07/03/2012 1356						

General Chemistry

Client Sample ID: **070212QE**

Lab Sample ID: 280-30661-10EB Date Sampled: 07/02/2012 1625

Client Matrix: Water Date Received: 07/03/2012 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126522	Analysis Date: 07/03/2012 1400						

Client: FPM Remediations Inc

Job Number: 280-30661-1

Method Blank - Batch: 280-126522

Method: SM5210B
Preparation: N/A

Lab Sample ID:	MB 280-126522/6	Analysis Batch:	280-126522	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/03/2012 1201	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Biochemical Oxygen Demand	0.60	U	0.24	2.0

Lab Control Sample - Batch: 280-126522

Method: SM5210B
Preparation: N/A

Lab Sample ID:	LCS 280-126522/4	Analysis Batch:	280-126522	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/03/2012 1201	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Biochemical Oxygen Demand	198	213	107	85 - 115	

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc

Job Number: 280-30661-1

Lab Section	Qualifier	Description
General Chemistry		
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-30661-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-126522					
LCS 280-126522/4	Lab Control Sample	T	Water	SM5210B	
LCSD 280-126522/5	Lab Control Sample Duplicate	T	Water	SM5210B	
MB 280-126522/6	Method Blank	T	Water	SM5210B	
280-30661-1	775VM1095QA	T	Water	SM5210B	
280-30661-2	LF6VM10R230QA	T	Water	SM5210B	
280-30661-3	LF6VM1850QA	T	Water	SM5210B	
280-30661-4	LF6VM1926QA	T	Water	SM5210B	
280-30661-5	LF6VM2068QA	T	Water	SM5210B	
280-30661-6	LF6VM2175QA	T	Water	SM5210B	
280-30661-7	LF6VM24499QA	T	Water	SM5210B	
280-30661-8	LF6VM2544QA	T	Water	SM5210B	
280-30661-9	TMCM0919QA	T	Water	SM5210B	
280-30661-10EB	070212QE	T	Water	SM5210B	

Report Basis

T = Total

Client: FPM Remediations Inc Job Number: 280-30661-1

Laboratory Chronicle

Lab ID: 280-30661-1 **Client ID:** 775VM1095QA

Sample Date/Time: 07/02/2012 14:30 Received Date/Time: 07/03/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30661-A-1		280-126522		07/03/2012 13:20	1	TAL DEN	LMK

Lab ID: 280-30661-2 **Client ID:** LF6VM10R230QA

Sample Date/Time: 07/02/2012 15:51 Received Date/Time: 07/03/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30661-A-2		280-126522		07/03/2012 13:25	1	TAL DEN	LMK

Lab ID: 280-30661-3 **Client ID:** LF6VM1850QA

Sample Date/Time: 07/02/2012 13:59 Received Date/Time: 07/03/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30661-A-3		280-126522		07/03/2012 13:26	1	TAL DEN	LMK

Lab ID: 280-30661-4 **Client ID:** LF6VM1926QA

Sample Date/Time: 07/02/2012 13:23 Received Date/Time: 07/03/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30661-A-4		280-126522		07/03/2012 13:27	1	TAL DEN	LMK

Lab ID: 280-30661-5 **Client ID:** LF6VM2068QA

Sample Date/Time: 07/02/2012 12:53 Received Date/Time: 07/03/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30661-A-5		280-126522		07/03/2012 13:30	1	TAL DEN	LMK

Lab ID: 280-30661-6 **Client ID:** LF6VM2175QA

Sample Date/Time: 07/02/2012 10:55 Received Date/Time: 07/03/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30661-A-6		280-126522		07/03/2012 13:50	1	TAL DEN	LMK

Lab ID: 280-30661-7 **Client ID:** LF6VM24499QA

Sample Date/Time: 07/02/2012 15:11 Received Date/Time: 07/03/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30661-A-7		280-126522		07/03/2012 13:40	1	TAL DEN	LMK

Client: FPM Remediations Inc Job Number: 280-30661-1

Laboratory Chronicle

Lab ID: 280-30661-8 **Client ID:** LF6VM2544QA

Sample Date/Time: 07/02/2012 11:30 Received Date/Time: 07/03/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30661-A-8		280-126522		07/03/2012 13:55	1	TAL DEN	LMK

Lab ID: 280-30661-9 **Client ID:** TMCM0919QA

Sample Date/Time: 07/02/2012 12:14 Received Date/Time: 07/03/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30661-A-9		280-126522		07/03/2012 13:56	1	TAL DEN	LMK

Lab ID: 280-30661-10 **Client ID:** 070212QE

Sample Date/Time: 07/02/2012 16:25 Received Date/Time: 07/03/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30661-A-10		280-126522		07/03/2012 14:00	1	TAL DEN	LMK

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	MB 280-126522/6		280-126522		07/03/2012 12:01	1	TAL DEN	LMK

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	LCS 280-126522/4		280-126522		07/03/2012 12:01	1	TAL DEN	LMK

Lab ID: LCSD **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	LCSD 280-126522/5		280-126522		07/03/2012 12:01	1	TAL DEN	LMK

Lab References:
TAL DEN = TestAmerica Denver

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30661-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
BOD Daily LCS_00532	07/04/12	07/03/12	BOD Dilution H20, Lot na	300 mL	BOD LCS INT_00504	6 mL	Biochemical Oxygen Demand	198 mg/L
.BOD LCS INT_00504	07/04/12	07/03/12	Di Water, Lot na	1000 mL	BOD Dextrose_00006	4.95 mg/L	Biochemical Oxygen Demand	9900 mg/L
					BOD Glutamic_00008	4.95 mg/L	Biochemical Oxygen Demand	9900 mg/L
..BOD Dextrose_00006	07/31/12	Fisher, Lot 110346			(Purchased Reagent)		Biochemical Oxygen Demand	1 g/g
..BOD Glutamic_00008	11/16/16	Fisher, Lot 103647a			(Purchased Reagent)		Biochemical Oxygen Demand	1 g/g

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB LF6 LTM

TestAmerica Job ID: 280-30661-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alabama	State Program	4	40730
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAC	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAC	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAC	7	E-10166
TestAmerica Denver	Louisiana	NELAC	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAC	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Jersey	NELAC	2	CO004
TestAmerica Denver	New Mexico	State Program	6	N/A
TestAmerica Denver	New York	NELAC	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAC	10	CO200001
TestAmerica Denver	Pennsylvania	NELAC	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Tennessee	State Program	4	TN02944
TestAmerica Denver	Texas	NELAC	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-08-00036
TestAmerica Denver	Utah	NELAC	8	QUAN5
TestAmerica Denver	Virginia	NELAC	3	
TestAmerica Denver	Washington	State Program	10	C1284
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30661-1

SDG No.:

Project: Griffiss AFB LF6 LTM

Client Sample ID	Lab Sample ID
775VM1095QA	280-30661-1
LF6VM10R230QA	280-30661-2
LF6VM1850QA	280-30661-3
LF6VM1926QA	280-30661-4
LF6VM2068QA	280-30661-5
LF6VM2175QA	280-30661-6
LF6VM24499QA	280-30661-7
LF6VM2544QA	280-30661-8
TMCM0919QA	280-30661-9
070212QE	280-30661-10

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 775VM1095QA
Lab Sample ID: 280-30661-1
Lab Name: TestAmerica Denver
Job No.: 280-30661-1
SDG ID.:
Matrix: Water
Date Sampled: 07/02/2012 14:30
Reporting Basis: WET
Date Received: 07/03/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM10R230QA
Lab Sample ID: 280-30661-2
Lab Name: TestAmerica Denver
Job No.: 280-30661-1
SDG ID.:
Matrix: Water
Date Sampled: 07/02/2012 15:51
Reporting Basis: WET
Date Received: 07/03/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM1850QA
Lab Sample ID: 280-30661-3
Lab Name: TestAmerica Denver
Job No.: 280-30661-1
SDG ID.:
Matrix: Water
Date Sampled: 07/02/2012 13:59
Reporting Basis: WET
Date Received: 07/03/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM1926QA
Lab Sample ID: 280-30661-4
Lab Name: TestAmerica Denver
Job No.: 280-30661-1
SDG ID.:
Matrix: Water
Date Sampled: 07/02/2012 13:23
Reporting Basis: WET
Date Received: 07/03/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM2068QA
Lab Sample ID: 280-30661-5
Lab Name: TestAmerica Denver
Job No.: 280-30661-1
SDG ID.:
Matrix: Water
Date Sampled: 07/02/2012 12:53
Reporting Basis: WET
Date Received: 07/03/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM2175QA
Lab Sample ID: 280-30661-6
Lab Name: TestAmerica Denver
Job No.: 280-30661-1
SDG ID.:
Matrix: Water
Date Sampled: 07/02/2012 10:55
Reporting Basis: WET
Date Received: 07/03/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM24499QA
Lab Sample ID: 280-30661-7
Lab Name: TestAmerica Denver
Job No.: 280-30661-1
SDG ID.:
Matrix: Water
Date Sampled: 07/02/2012 15:11
Reporting Basis: WET
Date Received: 07/03/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM2544QA
Lab Sample ID: 280-30661-8
Lab Name: TestAmerica Denver
Job No.: 280-30661-1
SDG ID.:
Matrix: Water
Date Sampled: 07/02/2012 11:30
Reporting Basis: WET
Date Received: 07/03/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TMCM0919QA
Lab Sample ID: 280-30661-9
Lab Name: TestAmerica Denver
Job No.: 280-30661-1
SDG ID.:
Matrix: Water
Date Sampled: 07/02/2012 12:14
Reporting Basis: WET
Date Received: 07/03/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 070212QE
Lab Sample ID: 280-30661-10
Lab Name: TestAmerica Denver
Job No.: 280-30661-1
SDG ID.:
Matrix: Water
Date Sampled: 07/02/2012 16:25
Reporting Basis: WET
Date Received: 07/03/2012 09:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30661-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 126522	Date: 07/03/2012 12:01						
SM5210B	MB 280-126522/6	Biochemical Oxygen Demand	0.60	U	mg/L	2.0	1

FORM III-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30661-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126522	Date: 07/03/2012 12:01										
						LCS Source: BOD Daily LCS_00532					
SM5210B	LCS 280-126522/4	Biochemical Oxygen Demand	213		mg/L	198	107	85-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30661-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126522	Date: 07/03/2012 12:01										
						LCSD Source: BOD Daily LCS_00532					
SM5210B	LCSD 280-126522/5	Biochemical Oxygen Demand	217		mg/L	198	110	85-115	NaN	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30661-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM5210B DL Date: 03/28/2011 12:09

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Biochemical Oxygen Demand		2	0.236

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30661-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM5210B XMDL Date: 03/28/2011 12:09

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Biochemical Oxygen Demand		2	0.236

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30661-1

SDG No.:

Instrument ID: NOEQUIP Method: SM5210B

Start Date: 07/03/2012 12:01 End Date: 07/03/2012 14:52

Lab Sample ID	D / F	Type	Time	Analytes																			
				BOD																			
ZZZZZZ			12:01																				
ZZZZZZ			12:01																				
ZZZZZZ			12:01																				
LCS 280-126522/4	1	T	12:01	X																			
LCSD 280-126522/5	1	T	12:01	X																			
MB 280-126522/6	1	T	12:01	X																			
ZZZZZZ			13:10																				
ZZZZZZ			13:10																				
280-30661-1	1	T	13:20	X																			
280-30661-2	1	T	13:25	X																			
280-30661-3	1	T	13:26	X																			
280-30661-4	1	T	13:27	X																			
280-30661-5	1	T	13:30	X																			
280-30661-7	1	T	13:40	X																			
280-30661-6	1	T	13:50	X																			
280-30661-8	1	T	13:55	X																			
280-30661-9	1	T	13:56	X																			
280-30661-10	1	T	14:00	X																			
ZZZZZZ			14:02																				
ZZZZZZ			14:15																				
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30661-1

SDG No.:

Instrument ID: NOEQUIP Method: SM5210B

Start Date: 07/03/2012 12:01 End Date: 07/03/2012 14:52

Prep Types
T = Total/NA

TestAmerica Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

BOD Data Review Checklist

Methods: EPA 405.1, Standard Methods 5210 B

SOP # DV-WC-0019

Run Date: 7 3 12 Analyst: DA Instrument: BOD

Log-in / Sample Numbers	Batch	Method	Special Inst
280 306063/1	186772	5210B	NA
280 306061/1-10			Q4
280 30549/4			
280 30945/10-13			1DOC
280 30658/1			TX

PM 7 13 12

A. Materials and Instrument Checks	Yes	No	N/A	2nd Level
1. Seed water stirred/aerated for at least one hour?	/			
2. Incubator temperature in control (20 ± 1°C) for 5-day incubation?	/			
3. Probe checks done at prescribed intervals as shown on the benchsheet?	/			/
4. If CBOD in batch, is there is a Blank, Duplicate for CBOD in the batch?	/			/
B. Method Required QC				
1. Initial D.O. readings for samples, blanks and GGA standard between 7.0 and 9.0 mg/L?	/			/
2. Seed control depletion is at least 2.0 mg/L (40 – 70%)?	/			/
3. Seed correction value between 0.6 and 1.0 mg/L?	/			/
4. Glucose/Glutamic acid (LCS) within control limits?	/			/
C. Sample Results				
1. 48 hour holding time met for all samples?	/			/
2. Was sample pH between 6.5 and 7.5 (adjustment made if necessary)?	/			/
3. Were samples checked for residual chlorine (removed if necessary)?	/			/
4. Are all sample dilutions with depletion <2.0 mg/L, or final D.O. <1.0 mg/L rejected?	/			
5. Do reporting limits reflect dilutions and/or limited sample volume?	/			/
6. Were there any signs of toxicity in the samples?		/		/
7. Were there any air bubbles in the BOD bottles?		/		
8. Were special client requirements met?	/			/
9. STD/True Value information is updated and included?	/			/

Analyst: _____ Date: 7 13 12

2nd Level Reviewer : _____ Date: 7/13/12

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30661-1

SDG No.:

Batch Number: 126522 Batch Start Date: 07/03/12 12:01 Batch Analyst: Kilker, Lorelei M

Batch Method: SM5210B Batch End Date: 07/08/12 11:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	ResidualChloCheck	InitialTemp	Initial_DO	Initial pH	FinTemp	Final_DO
LCS 280-126522/4		SM5210B							
LCSD 280-126522/5		SM5210B							
MB 280-126522/6		SM5210B							
280-30661-A-1	775VM1095QA	SM5210B	T	n	21.57 Celsius	7.19	6.80	19.52 Celsius	7.52
280-30661-A-2	LF6VM10R230QA	SM5210B	T	n	21.29 Celsius	7.28	6.56	19.55 Celsius	7.55
280-30661-A-3	LF6VM1850QA	SM5210B	T	n	21.26 Celsius	7.25	7.35	19.60 Celsius	7.54
280-30661-A-4	LF6VM1926QA	SM5210B	T	n	21.34 Celsius	7.22	7.36	19.62 Celsius	7.52
280-30661-A-5	LF6VM2068QA	SM5210B	T	n	21.40 Celsius	7.21	7.06	19.64 Celsius	7.51
280-30661-A-7	LF6VM24499QA	SM5210B	T	n	21.35 Celsius	7.24	7.09	19.74 Celsius	7.50
280-30661-A-6	LF6VM2175QA	SM5210B	T	n	21.30 Celsius	7.21	6.69	19.90 Celsius	7.50
280-30661-A-8	LF6VM2544QA	SM5210B	T	n	21.17 Celsius	7.24	6.93	19.96 Celsius	7.49
280-30661-A-9	TMCM0919QA	SM5210B	T	n	21.28 Celsius	7.20	7.14	19.98 Celsius	7.49
280-30661-A-10	070212QE	SM5210B	T	n	21.21 Celsius	7.21	6.55	20.03 Celsius	7.50

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Num	Bot1Amt	Bot1IDO	Bot1FDO	Bot1Dep	Bot1BOD
LCS 280-126522/4		SM5210B		9	6 mL	7.14 mg/L	2.27 mg/L	4.87 mg/L	212.635 mg/L
LCSD 280-126522/5		SM5210B		10	6 mL	7.14 mg/L	2.18 mg/L	4.96 mg/L	217.135 mg/L
MB 280-126522/6		SM5210B		11	300 mL	7.21 mg/L	6.60 mg/L	0.61 mg/L	-0.007 mg/L
280-30661-A-1	775VM1095QA	SM5210B	T	22	10 mL	7.24 mg/L	6.59 mg/L	0.65 mg/L	0.981 mg/L
280-30661-A-2	LF6VM10R230QA	SM5210B	T	27	10 mL	7.24 mg/L	6.60 mg/L	0.64 mg/L	0.681 mg/L
280-30661-A-3	LF6VM1850QA	SM5210B	T	32	10 mL	7.20 mg/L	6.55 mg/L	0.65 mg/L	0.981 mg/L
280-30661-A-4	LF6VM1926QA	SM5210B	T	37	10 mL	7.21 mg/L	6.57 mg/L	0.64 mg/L	0.681 mg/L
280-30661-A-5	LF6VM2068QA	SM5210B	T	42	10 mL	7.23 mg/L	6.58 mg/L	0.65 mg/L	0.981 mg/L
280-30661-A-7	LF6VM24499QA	SM5210B	T	47	10 mL	7.23 mg/L	6.57 mg/L	0.66 mg/L	1.281 mg/L
280-30661-A-6	LF6VM2175QA	SM5210B	T	52	10 mL	7.20 mg/L	6.54 mg/L	0.66 mg/L	1.281 mg/L
280-30661-A-8	LF6VM2544QA	SM5210B	T	57	10 mL	7.23 mg/L	6.52 mg/L	0.71 mg/L	2.781 mg/L
280-30661-A-9	TMCM0919QA	SM5210B	T	62	10 mL	7.23 mg/L	6.54 mg/L	0.69 mg/L	2.181 mg/L
280-30661-A-10	070212QE	SM5210B	T	67	10 mL	7.24 mg/L	6.46 mg/L	0.78 mg/L	4.881 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Use	Bot2Num	Bot2Amt	Bot2IDO	Bot2FDO	Bot2Dep

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30661-1

SDG No.:

Batch Number: 126522 Batch Start Date: 07/03/12 12:01 Batch Analyst: Kilker, Lorelei M

Batch Method: SM5210B Batch End Date: 07/08/12 11:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Use	Bot2Num	Bot2Amt	Bot2IDO	Bot2FDO	Bot2Dep
LCS 280-126522/4		SM5210B		YES. Pass					
LCSD 280-126522/5		SM5210B		YES. Pass					
MB 280-126522/6		SM5210B		No. DO Deplete Fail					
280-30661-A-1	775VM1095QA	SM5210B	T	No. DO Deplete Fail	23	25 mL	7.33 mg/L	6.72 mg/L	0.61 mg/L
280-30661-A-2	LF6VM10R230QA	SM5210B	T	No. DO Deplete Fail	28	25 mL	7.29 mg/L	6.68 mg/L	0.61 mg/L
280-30661-A-3	LF6VM1850QA	SM5210B	T	No. DO Deplete Fail	33	25 mL	7.17 mg/L	6.58 mg/L	0.59 mg/L
280-30661-A-4	LF6VM1926QA	SM5210B	T	No. DO Deplete Fail	38	25 mL	7.26 mg/L	6.63 mg/L	0.63 mg/L
280-30661-A-5	LF6VM2068QA	SM5210B	T	No. DO Deplete Fail	43	25 mL	7.27 mg/L	6.65 mg/L	0.62 mg/L
280-30661-A-7	LF6VM24499QA	SM5210B	T	No. DO Deplete Fail	48	25 mL	7.26 mg/L	6.60 mg/L	0.66 mg/L
280-30661-A-6	LF6VM2175QA	SM5210B	T	No. DO Deplete Fail	53	25 mL	7.35 mg/L	6.61 mg/L	0.74 mg/L
280-30661-A-8	LF6VM2544QA	SM5210B	T	No. DO Deplete Fail	58	25 mL	7.24 mg/L	6.54 mg/L	0.7 mg/L
280-30661-A-9	TMCM0919QA	SM5210B	T	No. DO Deplete Fail	63	25 mL	7.27 mg/L	6.58 mg/L	0.69 mg/L
280-30661-A-10	070212QE	SM5210B	T	No. DO Deplete Fail	68	25 mL	7.35 mg/L	6.60 mg/L	0.75 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot2BOD	Bot2Use	Bot3Num	Bot3Amt	Bot3IDO	Bot3FDO
LCS 280-126522/4		SM5210B							
LCSD 280-126522/5		SM5210B							
MB 280-126522/6		SM5210B							
280-30661-A-1	775VM1095QA	SM5210B	T	-0.088 mg/L	No. DO Deplete Fail	24	60 mL	7.60 mg/L	6.95 mg/L
280-30661-A-2	LF6VM10R230QA	SM5210B	T	-0.088 mg/L	No. DO Deplete Fail	29	60 mL	7.44 mg/L	6.83 mg/L
280-30661-A-3	LF6VM1850QA	SM5210B	T	-0.328 mg/L	No. DO Deplete Fail	34	60 mL	7.10 mg/L	6.51 mg/L
280-30661-A-4	LF6VM1926QA	SM5210B	T	0.152 mg/L	No. DO Deplete Fail	39	60 mL	7.34 mg/L	6.66 mg/L
280-30661-A-5	LF6VM2068QA	SM5210B	T	0.032 mg/L	No. DO Deplete Fail	44	60 mL	7.42 mg/L	6.82 mg/L

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30661-1

SDG No.:

Batch Number: 126522 Batch Start Date: 07/03/12 12:01 Batch Analyst: Kilker, Lorelei M

Batch Method: SM5210B Batch End Date: 07/08/12 11:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot2BOD	Bot2Use	Bot3Num	Bot3Amt	Bot3IDO	Bot3FDO
280-30661-A-7	LF6VM24499QA	SM5210B	T	0.512 mg/L	No. DO Deplete Fail	49	60 mL	7.34 mg/L	6.57 mg/L
280-30661-A-6	LF6VM2175QA	SM5210B	T	1.472 mg/L	No. DO Deplete Fail	54	60 mL	7.59 mg/L	6.89 mg/L
280-30661-A-8	LF6VM2544QA	SM5210B	T	0.992 mg/L	No. DO Deplete Fail	59	60 mL	7.26 mg/L	6.50 mg/L
280-30661-A-9	TMCM0919QA	SM5210B	T	0.872 mg/L	No. DO Deplete Fail	65	60 mL	7.34 mg/L	6.53 mg/L
280-30661-A-10	070212QE	SM5210B	T	1.592 mg/L	No. DO Deplete Fail	69	60 mL	7.65 mg/L	6.79 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot3Dep	Bot3BOD	Bot3Use	Bot4Num	Bot4Amt	Bot4IDO
LCS 280-126522/4		SM5210B							
LCSD 280-126522/5		SM5210B							
MB 280-126522/6		SM5210B							
280-30661-A-1	775VM1095QA	SM5210B	T	0.65 mg/L	0.163 mg/L	NO. Deplete Fail	25	120 mL	8.10 mg/L
280-30661-A-2	LF6VM10R230QA	SM5210B	T	0.61 mg/L	-0.036 mg/L	NO. Deplete Fail	30	120 mL	7.76 mg/L
280-30661-A-3	LF6VM1850QA	SM5210B	T	0.59 mg/L	-0.137 mg/L	NO. Deplete Fail	35	120 mL	6.94 mg/L
280-30661-A-4	LF6VM1926QA	SM5210B	T	0.68 mg/L	0.314 mg/L	NO. Deplete Fail	40	120 mL	7.49 mg/L
280-30661-A-5	LF6VM2068QA	SM5210B	T	0.6 mg/L	-0.087 mg/L	NO. Deplete Fail	45	120 mL	7.70 mg/L
280-30661-A-7	LF6VM24499QA	SM5210B	T	0.77 mg/L	0.764 mg/L	NO. Deplete Fail	50	120 mL	7.48 mg/L
280-30661-A-6	LF6VM2175QA	SM5210B	T	0.7 mg/L	0.414 mg/L	NO. Deplete Fail	55	120 mL	8.02 mg/L
280-30661-A-8	LF6VM2544QA	SM5210B	T	0.76 mg/L	0.714 mg/L	NO. Deplete Fail	60	120 mL	7.26 mg/L
280-30661-A-9	TMCM0919QA	SM5210B	T	0.81 mg/L	0.964 mg/L	NO. Deplete Fail	65	120 mL	7.49 mg/L
280-30661-A-10	070212QE	SM5210B	T	0.86 mg/L	1.214 mg/L	NO. Deplete Fail	70	120 mL	8.20 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot4FDO	Bot4Dep	Bot4BOD	Bot4Use	Bot5Num	Bot5Amt
LCS 280-126522/4		SM5210B							
LCSD 280-126522/5		SM5210B							

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30661-1

SDG No.:

Batch Number: 126522 Batch Start Date: 07/03/12 12:01 Batch Analyst: Kilker, Lorelei M

Batch Method: SM5210B Batch End Date: 07/08/12 11:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot4FDO	Bot4Dep	Bot4BOD	Bot4Use	Bot5Num	Bot5Amt
MB 280-126522/6		SM5210B							
280-30661-A-1	775VM1095QA	SM5210B	T	7.25 mg/L	0.85 mg/L	0.582 mg/L	NO. Deplete Fail	26	240 mL
280-30661-A-2	LF6VM10R230QA	SM5210B	T	6.99 mg/L	0.77 mg/L	0.382 mg/L	NO. Deplete Fail	31	240 mL
280-30661-A-3	LF6VM1850QA	SM5210B	T	6.14 mg/L	0.8 mg/L	0.457 mg/L	NO. Deplete Fail	36	240 mL
280-30661-A-4	LF6VM1926QA	SM5210B	T	6.53 mg/L	0.96 mg/L	0.857 mg/L	NO. Deplete Fail	41	240 mL
280-30661-A-5	LF6VM2068QA	SM5210B	T	6.87 mg/L	0.83 mg/L	0.532 mg/L	NO. Deplete Fail	46	240 mL
280-30661-A-7	LF6VM24499QA	SM5210B	T	6.60 mg/L	0.88 mg/L	0.657 mg/L	NO. Deplete Fail	51	240 mL
280-30661-A-6	LF6VM2175QA	SM5210B	T	7.06 mg/L	0.96 mg/L	0.857 mg/L	NO. Deplete Fail	56	240 mL
280-30661-A-8	LF6VM2544QA	SM5210B	T	6.35 mg/L	0.91 mg/L	0.732 mg/L	NO. Deplete Fail	61	240 mL
280-30661-A-9	TMCM0919QA	SM5210B	T	6.51 mg/L	0.98 mg/L	0.907 mg/L	NO. Deplete Fail	66	240 mL
280-30661-A-10	070212QE	SM5210B	T	7.33 mg/L	0.87 mg/L	0.632 mg/L	NO. Deplete Fail	71	240 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot5IDO	Bot5FDO	Bot5Dep	Bot5BOD	Bot5Use	CalcMsg
LCS 280-126522/4		SM5210B							BOD OK
LCSD 280-126522/5		SM5210B							BOD OK
MB 280-126522/6		SM5210B							No dilutions passed.
280-30661-A-1	775VM1095QA	SM5210B	T	9.12 mg/L	7.61 mg/L	1.51 mg/L	1.116 mg/L	NO. Deplete Fail	No dilutions passed.
280-30661-A-2	LF6VM10R230QA	SM5210B	T	8.30 mg/L	6.91 mg/L	1.39 mg/L	0.966 mg/L	NO. Deplete Fail	No dilutions passed.
280-30661-A-3	LF6VM1850QA	SM5210B	T	6.50 mg/L	5.16 mg/L	1.34 mg/L	0.903 mg/L	NO. Deplete Fail	No dilutions passed.
280-30661-A-4	LF6VM1926QA	SM5210B	T	7.74 mg/L	6.56 mg/L	1.18 mg/L	0.703 mg/L	NO. Deplete Fail	No dilutions passed.
280-30661-A-5	LF6VM2068QA	SM5210B	T	8.27 mg/L	6.86 mg/L	1.41 mg/L	0.991 mg/L	NO. Deplete Fail	No dilutions passed.
280-30661-A-7	LF6VM24499QA	SM5210B	T	7.74 mg/L	6.25 mg/L	1.49 mg/L	1.091 mg/L	NO. Deplete Fail	No dilutions passed.
280-30661-A-6	LF6VM2175QA	SM5210B	T	8.85 mg/L	7.38 mg/L	1.47 mg/L	1.066 mg/L	NO. Deplete Fail	No dilutions passed.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30661-1

SDG No.:

Batch Number: 126522 Batch Start Date: 07/03/12 12:01 Batch Analyst: Kilker, Lorelei M

Batch Method: SM5210B Batch End Date: 07/08/12 11:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot5IDO	Bot5FDO	Bot5Dep	Bot5BOD	Bot5Use	CalcMsg
280-30661-A-8	LF6VM2544QA	SM5210B	T	7.27 mg/L	5.83 mg/L	1.44 mg/L	1.028 mg/L	NO. Deplete Fail	No dilutions passed.
280-30661-A-9	TMCM0919QA	SM5210B	T	7.76 mg/L	6.25 mg/L	1.51 mg/L	1.116 mg/L	NO. Deplete Fail	No dilutions passed.
280-30661-A-10	070212QE	SM5210B	T	9.28 mg/L	7.81 mg/L	1.47 mg/L	1.066 mg/L	NO. Deplete Fail	No dilutions passed.

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	BOD Daily LCS 00532				
LCS 280-126522/4		SM5210B		300 mL	6 mL				
LCSD 280-126522/5		SM5210B		300 mL	6 mL				
MB 280-126522/6		SM5210B		300 mL					
280-30661-A-1	775VM1095QA	SM5210B	T	300 mL					
280-30661-A-2	LF6VM10R230QA	SM5210B	T	300 mL					
280-30661-A-3	LF6VM1850QA	SM5210B	T	300 mL					
280-30661-A-4	LF6VM1926QA	SM5210B	T	300 mL					
280-30661-A-5	LF6VM2068QA	SM5210B	T	300 mL					
280-30661-A-7	LF6VM24499QA	SM5210B	T	300 mL					
280-30661-A-6	LF6VM2175QA	SM5210B	T	300 mL					
280-30661-A-8	LF6VM2544QA	SM5210B	T	300 mL					
280-30661-A-9	TMCM0919QA	SM5210B	T	300 mL					
280-30661-A-10	070212QE	SM5210B	T	300 mL					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30661-1

SDG No.:

Batch Number: 126522 Batch Start Date: 07/03/12 12:01 Batch Analyst: Kilker, Lorelei M

Batch Method: SM5210B Batch End Date: 07/08/12 11:00

Batch Notes	
Barometric Pressure at Time of Analysis	752MMHG
Batch Comment	WC 5000-N
Sulfuric Acid Lot Number	H2SO4_00001
Incubator ID	BOD2
Incubator Temperature	20.1 Degrees C
Sodium Hydroxide Reagent ID Number	NAOH _00003
Nitrification Inhibitor ID	NITRIFINHIBI_00001
Nominal Amount Used	300 mL
Nutrient Buffer Pillow Lot #	BOD PILLOWS _00002
pH Meter ID	MO2-01543/001/1633
Perform Calculation (0=No, 1=Yes)	1
Amount of Seed added to each Sample	4 mL
Seed Correction	0.6448 mg/L
Seed Lot	SEED_00002/ SEEDED @ 1300/ 1000-1600

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-30661-1

Login Number: 30661

List Source: TestAmerica Denver

List Number: 1

Creator: Lazarte, Noah M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	Refer to Job Narrative for details.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-30750-1

Job Description: Griffiss AFB LF6 LTM

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga



Approved for release.
Donna R Rydberg
Project Manager II
7/20/2012 3:10 PM

Designee for
Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
07/20/2012

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
Tel (303) 736-0100 Fax (303) 431-7171 www.testamericainc.com

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CASE NARRATIVE

Client: FPM Remediations Inc

Project: Griffiss AFB LF6 LTM

Report Number: 280-30750-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Seven samples were received on 07/06/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.7 ºC.

MS/MSD volume was received for sample lF6M0168 (280-30750-1); however, MS/MSD is not performed for BOD and was not logged.

BIOCHEMICAL OXYGEN DEMAND

Samples LF6M0168QA (280-30750-1), LF6M0168QC (280-30750-2), 775VM18R90QA (280-30750-3), 775VM20R110QA (280-30750-4), LF6VM2235QA (280-30750-5), LF6VM2235QC (280-30750-6) and 070512QE (280-30750-7) were analyzed for Biochemical Oxygen Demand in accordance with SM20 5210B. The samples were analyzed on 07/06/2012.

No difficulties were encountered during the BOD analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30750-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-30750-1	LF6M0168QA	Water	07/05/2012 1459	07/06/2012 1000
280-30750-2FD	LF6M0168QC	Water	07/05/2012 1459	07/06/2012 1000
280-30750-3	775VM18R90QA	Water	07/05/2012 1129	07/06/2012 1000
280-30750-4	775VM20R110QA	Water	07/05/2012 1411	07/06/2012 1000
280-30750-5	LF6VM2235QA	Water	07/05/2012 1031	07/06/2012 1000
280-30750-6FD	LF6VM2235QC	Water	07/05/2012 1031	07/06/2012 1000
280-30750-7EB	070512QE	Water	07/05/2012 1621	07/06/2012 1000

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-30750-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30750-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
BOD, 5 Day	TAL DEN	SM SM5210B	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-30750-1

Method	Analyst	Analyst ID
SM SM5210B	Ayala, Delaina	DA

General Chemistry

Client Sample ID: **LF6M0168QA**

Lab Sample ID: 280-30750-1 Date Sampled: 07/05/2012 1459

Client Matrix: Water Date Received: 07/06/2012 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126834	Analysis Date: 07/06/2012 1343						

General Chemistry

Client Sample ID: **LF6M0168QC**

Lab Sample ID: 280-30750-2FD Date Sampled: 07/05/2012 1459

Client Matrix: Water Date Received: 07/06/2012 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126834	Analysis Date: 07/06/2012 1344						

General Chemistry

Client Sample ID: **775VM18R90QA**

Lab Sample ID: 280-30750-3 Date Sampled: 07/05/2012 1129

Client Matrix: Water Date Received: 07/06/2012 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126834	Analysis Date: 07/06/2012 1345						

General Chemistry

Client Sample ID: **775VM20R110QA**

Lab Sample ID: 280-30750-4 Date Sampled: 07/05/2012 1411
Client Matrix: Water Date Received: 07/06/2012 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126834	Analysis Date: 07/06/2012 1346						

General Chemistry

Client Sample ID: **LF6VM2235QA**

Lab Sample ID: 280-30750-5 Date Sampled: 07/05/2012 1031

Client Matrix: Water Date Received: 07/06/2012 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126834	Analysis Date: 07/06/2012 1347						

General Chemistry

Client Sample ID: **LF6VM2235QC**

Lab Sample ID: 280-30750-6FD Date Sampled: 07/05/2012 1031

Client Matrix: Water Date Received: 07/06/2012 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126834	Analysis Date: 07/06/2012 1348						

General Chemistry

Client Sample ID: **070512QE**

Lab Sample ID: 280-30750-7EB Date Sampled: 07/05/2012 1621

Client Matrix: Water Date Received: 07/06/2012 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Biochemical Oxygen Demand	0.60	U	mg/L	0.24	2.0	1.0	SM5210B
Analysis Batch: 280-126834	Analysis Date: 07/06/2012 1349						

Client: FPM Remediations Inc

Job Number: 280-30750-1

Method Blank - Batch: 280-126834

Method: SM5210B
Preparation: N/A

Lab Sample ID:	MB 280-126834/6	Analysis Batch:	280-126834	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/06/2012 1343	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Biochemical Oxygen Demand	0.60	U	0.24	2.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-126834

Method: SM5210B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126834/3	Analysis Batch:	280-126834	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/06/2012 1343	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-126834/5	Analysis Batch:	280-126834	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/06/2012 1343	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Biochemical Oxygen Demand	98	93	85 - 115	5	20		

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-126834

Method: SM5210B
Preparation: N/A

LCS Lab Sample ID:	LCS 280-126834/3	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-126834/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/06/2012 1343			Analysis Date:	07/06/2012 1343
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Biochemical Oxygen Demand	198	198	194	184

Client: FPM Remediations Inc

Job Number: 280-30750-1

Duplicate - Batch: 280-126834

Method: SM5210B
Preparation: N/A

Lab Sample ID:	280-30750-1	Analysis Batch:	280-126834	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/06/2012 1343	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Biochemical Oxygen Demand	0.60	U	0.60	NC	20	U

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-30750-1

Lab Section	Qualifier	Description
General Chemistry		
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-30750-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-126834					
LCS 280-126834/3	Lab Control Sample	T	Water	SM5210B	
LCSD 280-126834/5	Lab Control Sample Duplicate	T	Water	SM5210B	
MB 280-126834/6	Method Blank	T	Water	SM5210B	
280-30750-1	LF6M0168QA	T	Water	SM5210B	
280-30750-1DU	Duplicate	T	Water	SM5210B	
280-30750-2FD	LF6M0168QC	T	Water	SM5210B	
280-30750-3	775VM18R90QA	T	Water	SM5210B	
280-30750-4	775VM20R110QA	T	Water	SM5210B	
280-30750-5	LF6VM2235QA	T	Water	SM5210B	
280-30750-6FD	LF6VM2235QC	T	Water	SM5210B	
280-30750-7EB	070512QE	T	Water	SM5210B	

Report Basis

T = Total

Client: FPM Remediations Inc

Job Number: 280-30750-1

Laboratory Chronicle

Lab ID: 280-30750-1 **Client ID:** LF6M0168QA

Sample Date/Time: 07/05/2012 14:59 Received Date/Time: 07/06/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30750-B-1		280-126834		07/06/2012 13:43	1	TAL DEN	DA

Lab ID: 280-30750-1 DU **Client ID:** LF6M0168QA

Sample Date/Time: 07/05/2012 14:59 Received Date/Time: 07/06/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30750-B-1 DU		280-126834		07/06/2012 13:43	1	TAL DEN	DA

Lab ID: 280-30750-2 **Client ID:** LF6M0168QC

Sample Date/Time: 07/05/2012 14:59 Received Date/Time: 07/06/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30750-A-2		280-126834		07/06/2012 13:44	1	TAL DEN	DA

Lab ID: 280-30750-3 **Client ID:** 775VM18R90QA

Sample Date/Time: 07/05/2012 11:29 Received Date/Time: 07/06/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30750-A-3		280-126834		07/06/2012 13:45	1	TAL DEN	DA

Lab ID: 280-30750-4 **Client ID:** 775VM20R110QA

Sample Date/Time: 07/05/2012 14:11 Received Date/Time: 07/06/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30750-A-4		280-126834		07/06/2012 13:46	1	TAL DEN	DA

Lab ID: 280-30750-5 **Client ID:** LF6VM2235QA

Sample Date/Time: 07/05/2012 10:31 Received Date/Time: 07/06/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30750-A-5		280-126834		07/06/2012 13:47	1	TAL DEN	DA

Lab ID: 280-30750-6 **Client ID:** LF6VM2235QC

Sample Date/Time: 07/05/2012 10:31 Received Date/Time: 07/06/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30750-A-6		280-126834		07/06/2012 13:48	1	TAL DEN	DA

Client: FPM Remediations Inc

Job Number: 280-30750-1

Laboratory Chronicle

Lab ID: 280-30750-7 **Client ID:** 070512QE

Sample Date/Time: 07/05/2012 16:21 Received Date/Time: 07/06/2012 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	280-30750-A-7		280-126834		07/06/2012 13:49	1	TAL DEN	DA

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	MB 280-126834/6		280-126834		07/06/2012 13:43	1	TAL DEN	DA

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	LCS 280-126834/3		280-126834		07/06/2012 13:43	1	TAL DEN	DA

Lab ID: LCSD **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM5210B	LCSD 280-126834/5		280-126834		07/06/2012 13:43	1	TAL DEN	DA

Lab References:
TAL DEN = TestAmerica Denver

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-30750-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
BOD Daily LCS_00534	07/06/12	07/06/12	BOD Dilution H20, Lot na	300 mL	BOD LCS INT_00506	6 mg/L	Biochemical Oxygen Demand	198 mg/L
.BOD LCS INT_00506	07/06/12	07/06/12	Di Water, Lot na	1000 mL	BOD Dextrose_00006	4.95 mg/L	Biochemical Oxygen Demand	9900 mg/L
					BOD Glutamic_00008	4.95 mg/L	Biochemical Oxygen Demand	9900 mg/L
..BOD Dextrose_00006	07/31/12	Fisher, Lot 110346			(Purchased Reagent)		Biochemical Oxygen Demand	1 g/g
..BOD Glutamic_00008	11/16/16	Fisher, Lot 103647a			(Purchased Reagent)		Biochemical Oxygen Demand	1 g/g

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB LF6 LTM

TestAmerica Job ID: 280-30750-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alabama	State Program	4	40730
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAC	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAC	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAC	7	E-10166
TestAmerica Denver	Louisiana	NELAC	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAC	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Hampshire	NELAC	1	205310
TestAmerica Denver	New Jersey	NELAC	2	CO004
TestAmerica Denver	New Mexico	State Program	6	N/A
TestAmerica Denver	New York	NELAC	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAC	10	CO200001
TestAmerica Denver	Pennsylvania	NELAC	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Tennessee	State Program	4	TN02944
TestAmerica Denver	Texas	NELAC	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-08-00036
TestAmerica Denver	Utah	NELAC	8	QUAN5
TestAmerica Denver	Virginia	NELAC	3	
TestAmerica Denver	Washington	State Program	10	C1284
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30750-1

SDG No.:

Project: Griffiss AFB LF6 LTM

Client Sample ID	Lab Sample ID
LF6M0168QA	280-30750-1
LF6M0168QC	280-30750-2
775VM18R90QA	280-30750-3
775VM20R110QA	280-30750-4
LF6VM2235QA	280-30750-5
LF6VM2235QC	280-30750-6
070512QE	280-30750-7

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6M0168QA
Lab Sample ID: 280-30750-1
Lab Name: TestAmerica Denver
Job No.: 280-30750-1
SDG ID.:
Matrix: Water
Date Sampled: 07/05/2012 14:59
Reporting Basis: WET
Date Received: 07/06/2012 10:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6M0168QC
Lab Sample ID: 280-30750-2
Lab Name: TestAmerica Denver
Job No.: 280-30750-1
SDG ID.:
Matrix: Water
Date Sampled: 07/05/2012 14:59
Reporting Basis: WET
Date Received: 07/06/2012 10:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 775VM18R90QA
Lab Sample ID: 280-30750-3
Lab Name: TestAmerica Denver
Job No.: 280-30750-1
SDG ID.:
Matrix: Water
Date Sampled: 07/05/2012 11:29
Reporting Basis: WET
Date Received: 07/06/2012 10:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 775VM20R110QA
Lab Sample ID: 280-30750-4
Lab Name: TestAmerica Denver
Job No.: 280-30750-1
SDG ID.:
Matrix: Water
Date Sampled: 07/05/2012 14:11
Reporting Basis: WET
Date Received: 07/06/2012 10:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM2235QA
Lab Sample ID: 280-30750-5
Lab Name: TestAmerica Denver
Job No.: 280-30750-1
SDG ID.:
Matrix: Water
Date Sampled: 07/05/2012 10:31
Reporting Basis: WET
Date Received: 07/06/2012 10:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: LF6VM2235QC
Lab Sample ID: 280-30750-6
Lab Name: TestAmerica Denver
Job No.: 280-30750-1
SDG ID.:
Matrix: Water
Date Sampled: 07/05/2012 10:31
Reporting Basis: WET
Date Received: 07/06/2012 10:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 070512QE
Lab Sample ID: 280-30750-7
Lab Name: TestAmerica Denver
Job No.: 280-30750-1
SDG ID.:
Matrix: Water
Date Sampled: 07/05/2012 16:21
Reporting Basis: WET
Date Received: 07/06/2012 10:00

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Biochemical Oxygen Demand	0.60	2.0	0.60	0.24	mg/L	U		1	SM5210B

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30750-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	LOQ	Dil
Batch ID: 126834 Date: 07/06/2012 13:43							
SM5210B	MB 280-126834/6	Biochemical Oxygen Demand	0.60	U	mg/L	2.0	1

FORM III-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30750-1

SDG No.:

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 126834 Date: 07/06/2012 13:43								
SM5210B	LF6M0168QA	280-30750-1	Biochemical Oxygen Demand	0.60	mg/L			U
SM5210B	LF6M0168QA	280-30750-1 DU	Biochemical Oxygen Demand	0.60	mg/L	NC	20	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30750-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126834	Date: 07/06/2012 13:43										
						LCS Source: BOD Daily LCS_00534					
SM5210B	LCS 280-126834/3	Biochemical Oxygen Demand	194		mg/L	198	98	85-115	5	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30750-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 126834	Date: 07/06/2012 13:43										
						LCSD Source: BOD Daily LCS_00534					
SM5210B	LCSD 280-126834/5	Biochemical Oxygen Demand	184		mg/L	198	93	85-115	5	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30750-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM5210B DL Date: 03/28/2011 12:09

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Biochemical Oxygen Demand		2	0.236

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-30750-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: SM5210B XMDL Date: 03/28/2011 12:09

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Biochemical Oxygen Demand		2	0.236

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-30750-1

SDG No.:

Instrument ID: NOEQUIP Method: SM5210B

Start Date: 07/06/2012 13:43 End Date: 07/06/2012 13:51

Lab Sample ID	D/F	Type	Time	Analytes																			
				BOD																			
280-30750-1 DU	1	T	13:43	X																			
ZZZZZZ			13:43																				
ZZZZZZ			13:43																				
LCS 280-126834/3	1	T	13:43	X																			
ZZZZZZ			13:43																				
LCSD 280-126834/5	1	T	13:43	X																			
MB 280-126834/6	1	T	13:43	X																			
280-30750-1	1	T	13:43	X																			
ZZZZZZ			13:43																				
ZZZZZZ			13:43																				
ZZZZZZ			13:43																				
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ZZZZZZ			13:43																				
ZZZZZZ			13:43																				
280-30750-2	1	T	13:44	X																			
280-30750-3	1	T	13:45	X																			
280-30750-4	1	T	13:46	X																			
280-30750-5	1	T	13:47	X																			
280-30750-6	1	T	13:48	X																			
280-30750-7	1	T	13:49	X																			
ZZZZZZ			13:50																				
ZZZZZZ			13:51																				

Prep Types

T = Total/NA

TestAmerica Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

BOD Data Review Checklist

Methods: EPA 405.1, Standard Methods 5210 B

SOP # DV-WC-0019

Run Date: 7/6/12 Analyst: DV Instrument: BOD

Log-in / Sample Numbers	Batch	Method	Special Inst
280 30750 / 1-7	216834	5210B	QL
280 30745 / 1	1	1	1

DV 7/7/12

A. Materials and Instrument Checks	Yes	No	N/A	2nd Level
1. Seed water stirred/aerated for at least one hour?	/			
2. Incubator temperature in control (20 ± 1°C) for 5-day incubation?	/			
3. Probe checks done at prescribed intervals as shown on the benchsheet?	/			—
4. If CBOD in batch, is there is a Blank, Duplicate for CBOD in the batch?			/	—
B. Method Required QC				
1. Initial D.O. readings for samples, blanks and GGA standard between 7.0 and 9.0 mg/L?	/			—
2. Seed control depletion is at least 2.0 mg/L (40 – 70%)?	/			—
3. Seed correction value between 0.6 and 1.0 mg/L?	/			—
4. Glucose/Glutamic acid (LCS) within control limits?	/			—
C. Sample Results				
1. 48 hour holding time met for all samples?	/			—
2. Was sample pH between 6.5 and 7.5 (adjustment made if necessary)?	/			—
3. Were samples checked for residual chlorine (removed if necessary)?	/			—
4. Are all sample dilutions with depletion <2.0 mg/L, or final D.O. <1.0 mg/L rejected?	/			—
5. Do reporting limits reflect dilutions and/or limited sample volume?	/			—
6. Were there any signs of toxicity in the samples?		/		—
7. Were there any air bubbles in the BOD bottles?		/		
8. Were special client requirements met?	/			—
9. STD/True Value information is updated and included?	/			—

Analyst: _____ Date: 7/7/12

2nd Level Reviewer : _____ Date: 7/18/12

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30750-1

SDG No.:

Batch Number: 126834 Batch Start Date: 07/06/12 13:43 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 07/11/12 11:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	ResidualChloCheck	InitialTemp	Initial_DO	Initial pH	FinTemp	Final_DO
LCS 280-126834/3		SM5210B			19.72 Celsius	7.50 mg/L		19.03 Celsius	7.68 mg/L
LCSD 280-126834/5		SM5210B							
MB 280-126834/6		SM5210B							
280-30750-B-1	LF6M0168QA	SM5210B	T	NEG	19.79 Celsius	7.51 mg/L	7.31	19.04 Celsius	7.64 mg/L
280-30750-B-1 DU	LF6M0168QA	SM5210B	T	NEG	19.80 Celsius	7.51 mg/L	7.31	19.29 Celsius	7.62 mg/L
280-30750-A-2	LF6M0168QC	SM5210B	T	NEG	19.69 Celsius	7.56 mg/L	7.38	19.30 Celsius	7.62 mg/L
280-30750-A-3	775VM18R90QA	SM5210B	T	NEG	19.81 Celsius	7.53 mg/L	7.24	19.27 Celsius	7.64 mg/L
280-30750-A-4	775VM20R110QA	SM5210B	T	NEG	19.97 Celsius	7.52 mg/L	7.27	19.41 Celsius	7.56 mg/L
280-30750-A-5	LF6VM2235QA	SM5210B	T	NEG	20.03 Celsius	7.52 mg/L	7.27	19.38 Celsius	7.57 mg/L
280-30750-A-6	LF6VM2235QC	SM5210B	T	NEG	20.11 Celsius	7.44 mg/L	7.42	19.47 Celsius	7.57 mg/L
280-30750-A-7	070512QE	SM5210B	T	NEG	20.24 Celsius	7.44 mg/L	6.96	19.63 Celsius	7.55 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Num	Bot1Amt	Bot1IDO	Bot1FDO	Bot1Dep	Bot1BOD
LCS 280-126834/3		SM5210B		8	6 mL	7.46 mg/L	2.95 mg/L	4.51 mg/L	194.435 mg/L
LCSD 280-126834/5		SM5210B		10	6 mL	7.47 mg/L	3.16 mg/L	4.31 mg/L	184.435 mg/L
MB 280-126834/6		SM5210B		11	300 mL	7.53 mg/L	7.19 mg/L	0.34 mg/L	-0.281 mg/L
280-30750-B-1	LF6M0168QA	SM5210B	T	12	10 mL	7.58 mg/L	7.22 mg/L	0.36 mg/L	-7.839 mg/L
280-30750-B-1 DU	LF6M0168QA	SM5210B	T	17	10 mL	7.57 mg/L	7.17 mg/L	0.4 mg/L	-6.639 mg/L
280-30750-A-2	LF6M0168QC	SM5210B	T	22	10 mL	7.56 mg/L	7.25 mg/L	0.31 mg/L	-9.339 mg/L
280-30750-A-3	775VM18R90QA	SM5210B	T	27	10 mL	7.53 mg/L	7.23 mg/L	0.3 mg/L	-9.639 mg/L
280-30750-A-4	775VM20R110QA	SM5210B	T	32	10 mL	7.47 mg/L	7.13 mg/L	0.34 mg/L	-8.439 mg/L
280-30750-A-5	LF6VM2235QA	SM5210B	T	37	10 mL	7.50 mg/L	7.11 mg/L	0.39 mg/L	-6.939 mg/L
280-30750-A-6	LF6VM2235QC	SM5210B	T	42	10 mL	7.51 mg/L	7.21 mg/L	0.3 mg/L	-9.639 mg/L
280-30750-A-7	070512QE	SM5210B	T	47	10 mL	7.43 mg/L	7.19 mg/L	0.24 mg/L	-11.439 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Use	Bot2Num	Bot2Amt	Bot2IDO	Bot2FDO	Bot2Dep
LCS 280-126834/3		SM5210B		YES. Pass					
LCSD 280-126834/5		SM5210B		YES. Pass					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30750-1

SDG No.:

Batch Number: 126834 Batch Start Date: 07/06/12 13:43 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 07/11/12 11:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot1Use	Bot2Num	Bot2Amt	Bot2IDO	Bot2FDO	Bot2Dep
MB 280-126834/6		SM5210B		No. DO Deplete Fail					
280-30750-B-1	LF6M0168QA	SM5210B	T	No. DO Deplete Fail	13	25 mL	7.56 mg/L	7.19 mg/L	0.37 mg/L
280-30750-B-1 DU	LF6M0168QA	SM5210B	T	No. DO Deplete Fail	18	25 mL	7.57 mg/L	7.24 mg/L	0.33 mg/L
280-30750-A-2	LF6M0168QC	SM5210B	T	No. DO Deplete Fail	23	25 mL	7.59 mg/L	7.28 mg/L	0.31 mg/L
280-30750-A-3	775VM18R90QA	SM5210B	T	No. DO Deplete Fail	28	25 mL	7.52 mg/L	7.29 mg/L	0.23 mg/L
280-30750-A-4	775VM20R110QA	SM5210B	T	No. DO Deplete Fail	33	25 mL	7.46 mg/L	7.11 mg/L	0.35 mg/L
280-30750-A-5	LF6VM2235QA	SM5210B	T	No. DO Deplete Fail	38	25 mL	7.53 mg/L	7.25 mg/L	0.28 mg/L
280-30750-A-6	LF6VM2235QC	SM5210B	T	No. DO Deplete Fail	43	25 mL	7.47 mg/L	7.29 mg/L	0.18 mg/L
280-30750-A-7	070512QE	SM5210B	T	No. DO Deplete Fail	48	25 mL	7.48 mg/L	7.34 mg/L	0.14 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot2BOD	Bot2Use	Bot3Num	Bot3Amt	Bot3IDO	Bot3FDO
LCS 280-126834/3		SM5210B							
LCSD 280-126834/5		SM5210B							
MB 280-126834/6		SM5210B							
280-30750-B-1	LF6M0168QA	SM5210B	T	-3.016 mg/L	No. DO Deplete Fail	14	60 mL	7.87 mg/L	7.39 mg/L
280-30750-B-1 DU	LF6M0168QA	SM5210B	T	-3.496 mg/L	No. DO Deplete Fail	19	60 mL	7.80 mg/L	7.44 mg/L
280-30750-A-2	LF6M0168QC	SM5210B	T	-3.736 mg/L	No. DO Deplete Fail	24	60 mL	7.91 mg/L	7.50 mg/L
280-30750-A-3	775VM18R90QA	SM5210B	T	-4.696 mg/L	No. DO Deplete Fail	29	60 mL	7.68 mg/L	7.41 mg/L
280-30750-A-4	775VM20R110QA	SM5210B	T	-3.256 mg/L	No. DO Deplete Fail	34	60 mL	7.43 mg/L	6.93 mg/L
280-30750-A-5	LF6VM2235QA	SM5210B	T	-4.096 mg/L	No. DO Deplete Fail	39	60 mL	7.84 mg/L	7.53 mg/L
280-30750-A-6	LF6VM2235QC	SM5210B	T	-5.296 mg/L	No. DO Deplete Fail	44	60 mL	7.71 mg/L	7.37 mg/L
280-30750-A-7	070512QE	SM5210B	T	-5.776 mg/L	No. DO Deplete Fail	49	60 mL	7.89 mg/L	7.61 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot3Dep	Bot3BOD	Bot3Use	Bot4Num	Bot4Amt	Bot4IDO

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30750-1

SDG No.:

Batch Number: 126834 Batch Start Date: 07/06/12 13:43 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 07/11/12 11:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot3Dep	Bot3BOD	Bot3Use	Bot4Num	Bot4Amt	Bot4IDO
LCS 280-126834/3		SM5210B							
LCSD 280-126834/5		SM5210B							
MB 280-126834/6		SM5210B							
280-30750-B-1	LF6M0168QA	SM5210B	T	0.48 mg/L	-0.707 mg/L	NO. Deplete Fail	15	120 mL	8.35 mg/L
280-30750-B-1 DU	LF6M0168QA	SM5210B	T	0.36 mg/L	-1.307 mg/L	NO. Deplete Fail	20	120 mL	8.40 mg/L
280-30750-A-2	LF6M0168QC	SM5210B	T	0.41 mg/L	-1.057 mg/L	NO. Deplete Fail	25	120 mL	8.52 mg/L
280-30750-A-3	775VM18R90QA	SM5210B	T	0.27 mg/L	-1.757 mg/L	NO. Deplete Fail	30	120 mL	7.91 mg/L
280-30750-A-4	775VM20R110QA	SM5210B	T	0.5 mg/L	-0.607 mg/L	NO. Deplete Fail	35	120 mL	7.36 mg/L
280-30750-A-5	LF6VM2235QA	SM5210B	T	0.31 mg/L	-1.557 mg/L	NO. Deplete Fail	40	120 mL	8.36 mg/L
280-30750-A-6	LF6VM2235QC	SM5210B	T	0.34 mg/L	-1.407 mg/L	NO. Deplete Fail	45	120 mL	8.08 mg/L
280-30750-A-7	070512QE	SM5210B	T	0.28 mg/L	-1.707 mg/L	NO. Deplete Fail	50	120 mL	8.54 mg/L

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot4FDO	Bot4Dep	Bot4BOD	Bot4Use	Bot5Num	Bot5Amt
LCS 280-126834/3		SM5210B							
LCSD 280-126834/5		SM5210B							
MB 280-126834/6		SM5210B							
280-30750-B-1	LF6M0168QA	SM5210B	T	7.60 mg/L	0.75 mg/L	0.322 mg/L	NO. Deplete Fail	16	240 mL
280-30750-B-1 DU	LF6M0168QA	SM5210B	T	7.80 mg/L	0.6 mg/L	-0.053 mg/L	NO. Deplete Fail	21	240 mL
280-30750-A-2	LF6M0168QC	SM5210B	T	7.72 mg/L	0.8 mg/L	0.447 mg/L	NO. Deplete Fail	26	240 mL
280-30750-A-3	775VM18R90QA	SM5210B	T	7.43 mg/L	0.48 mg/L	-0.353 mg/L	NO. Deplete Fail	31	240 mL
280-30750-A-4	775VM20R110QA	SM5210B	T	6.63 mg/L	0.73 mg/L	0.272 mg/L	NO. Deplete Fail	36	240 mL
280-30750-A-5	LF6VM2235QA	SM5210B	T	7.75 mg/L	0.61 mg/L	-0.028 mg/L	NO. Deplete Fail	41	240 mL
280-30750-A-6	LF6VM2235QC	SM5210B	T	7.44 mg/L	0.64 mg/L	0.047 mg/L	NO. Deplete Fail	46	240 mL
280-30750-A-7	070512QE	SM5210B	T	8.01 mg/L	0.53 mg/L	-0.228 mg/L	NO. Deplete Fail	51	240 mL

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30750-1

SDG No.:

Batch Number: 126834 Batch Start Date: 07/06/12 13:43 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 07/11/12 11:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Bot5IDO	Bot5FDO	Bot5Dep	Bot5BOD	Bot5Use	CalcMsg
LCS 280-126834/3		SM5210B							BOD OK
LCSD 280-126834/5		SM5210B							BOD OK
MB 280-126834/6		SM5210B							No dilutions passed.
280-30750-B-1	LF6M0168QA	SM5210B	T	9.51 mg/L	8.13 mg/L	1.38 mg/L	0.948 mg/L	NO. Deplete Fail	No dilutions passed.
280-30750-B-1 DU	LF6M0168QA	SM5210B	T	9.50 mg/L	8.39 mg/L	1.11 mg/L	0.611 mg/L	NO. Deplete Fail	No dilutions passed.
280-30750-A-2	LF6M0168QC	SM5210B	T	9.74 mg/L	8.20 mg/L	1.54 mg/L	1.148 mg/L	NO. Deplete Fail	No dilutions passed.
280-30750-A-3	775VM18R90QA	SM5210B	T	8.50 mg/L	7.28 mg/L	1.22 mg/L	0.748 mg/L	NO. Deplete Fail	No dilutions passed.
280-30750-A-4	775VM20R110QA	SM5210B	T	7.15 mg/L	5.78 mg/L	1.37 mg/L	0.936 mg/L	NO. Deplete Fail	No dilutions passed.
280-30750-A-5	LF6VM2235QA	SM5210B	T	9.53 mg/L	8.45 mg/L	1.08 mg/L	0.573 mg/L	NO. Deplete Fail	No dilutions passed.
280-30750-A-6	LF6VM2235QC	SM5210B	T	8.89 mg/L	7.46 mg/L	1.43 mg/L	1.011 mg/L	NO. Deplete Fail	No dilutions passed.
280-30750-A-7	070512QE	SM5210B	T	9.85 mg/L	8.55 mg/L	1.3 mg/L	0.848 mg/L	NO. Deplete Fail	No dilutions passed.

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	BOD Daily LCS 00534				
LCS 280-126834/3		SM5210B		300 mL	6 mL				
LCSD 280-126834/5		SM5210B		300 mL	6 mL				
MB 280-126834/6		SM5210B		300 mL					
280-30750-B-1	LF6M0168QA	SM5210B	T	300 mL					
280-30750-B-1 DU	LF6M0168QA	SM5210B	T	300 mL					
280-30750-A-2	LF6M0168QC	SM5210B	T	300 mL					
280-30750-A-3	775VM18R90QA	SM5210B	T	300 mL					
280-30750-A-4	775VM20R110QA	SM5210B	T	300 mL					
280-30750-A-5	LF6VM2235QA	SM5210B	T	300 mL					
280-30750-A-6	LF6VM2235QC	SM5210B	T	300 mL					
280-30750-A-7	070512QE	SM5210B	T	300 mL					

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-30750-1

SDG No.:

Batch Number: 126834 Batch Start Date: 07/06/12 13:43 Batch Analyst: Ayala, Delaina

Batch Method: SM5210B Batch End Date: 07/11/12 11:00

Batch Notes	
Barometric Pressure at Time of Analysis	753MMHG
Batch Comment	WC5000IC
Sulfuric Acid Lot Number	H2SO4 _00001
Incubator ID	bod 1
Incubator Temperature	20.5 Degrees C
Sodium Hydroxide Reagent ID Number	NAOH_00003
Nominal Amount Used	300 mL
Nutrient Buffer Pillow Lot #	BOD BUFFER PILLOWS
pH Meter ID	MO201543/001-1633
Perform Calculation (0=No, 1=Yes)	1
Amount of Seed added to each Sample	4 mL
Seed Correction	0.6213 mg/L
Seed Lot	polyseed _00004/ seeded @ 1300/SEED WINDOW 1130-1730

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-30750-1

Login Number: 30750

List Source: TestAmerica Denver

List Number: 1

Creator: Lazarte, Noah M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX F

MAROS Linear Regression Statistics Summary

Project: Landfill 1

User Name: Josh Wenzel

Location: Griffiss AFB

State: New York

Time Period: 12/5/2003 **to** 6/26/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Well	Source/ Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence in Trend	Concentration Trend
BICARBONATE									
LF1MW-10	S	2.3E+02	2.2E+02	8.2E+01	No	7.3E-05	0.35	82.0%	NT
LF1MW-103	T	2.4E+01	2.8E+01	1.1E+01	No	-1.3E-03	0.47	96.9%	D
LF1MW-11	T	4.6E+02	5.0E+02	1.3E+02	No	6.8E-05	0.27	66.9%	NT
LF1MW-12	T	1.7E+02	1.5E+02	7.4E+01	No	-3.8E-05	0.43	67.4%	S
LF1MW-13	T	2.3E+02	2.2E+02	5.5E+01	No	-1.2E-04	0.24	99.0%	D
LF1MW-14	T	7.0E+01	7.2E+01	2.1E+01	No	1.8E-05	0.30	55.6%	NT
LF1MW-1R	T	6.3E+01	7.4E+01	2.2E+01	No	0.0E+00	0.00	0.0%	N/A
LF1MW-5	S	3.7E+02	3.5E+02	2.3E+02	No	-2.7E-04	0.61	92.2%	PD
LF1MW-6	T	2.8E+02	2.6E+02	1.1E+02	No	2.3E-05	0.38	59.7%	NT
LF1P--2	S	4.4E+02	4.4E+02	1.2E+02	No	-2.7E-04	0.28	94.6%	PD
LF1P--3	T	3.6E+02	3.3E+02	1.2E+02	No	-1.0E-04	0.34	92.6%	PD
LF1P--5	T	3.2E+02	3.1E+02	1.0E+02	No	-4.6E-05	0.31	74.9%	S
LF1SW-1	T	2.0E+02	1.4E+02	1.6E+02	No	-1.3E-04	0.80	71.1%	S
LF1SW-2	T	2.8E+02	2.1E+02	2.2E+02	No	-8.9E-06	0.78	100.0%	D
LF1SW-3	T	1.4E+02	1.5E+02	8.3E+01	No	-6.9E-05	0.61	64.0%	S
MWSAR03	T	2.0E+02	1.7E+02	1.2E+02	No	-3.2E-04	0.59	97.1%	D
CARBONATE (AS CO3)									
LF1MW-10	S	2.1E+02	2.0E+02	2.4E+01	No	9.2E-05	0.12	99.9%	I
LF1MW-103	T	3.8E+02	3.7E+02	7.1E+01	No	6.5E-05	0.19	66.0%	NT
LF1MW-11	T	5.2E+02	5.3E+02	6.2E+01	No	1.4E-05	0.12	64.6%	NT
LF1MW-12	T	1.5E+02	1.6E+02	4.8E+01	No	1.5E-04	0.32	97.0%	I
LF1MW-13	T	2.3E+02	2.3E+02	2.6E+01	No	-9.2E-05	0.11	100.0%	D
LF1MW-14	T	5.7E+01	5.7E+01	1.2E+01	No	6.4E-05	0.22	78.7%	NT
LF1MW-1R	T	4.7E+01	4.1E+01	1.1E+01	No	0.0E+00	0.00	0.0%	N/A
LF1MW-5	S	3.6E+02	3.7E+02	6.9E+01	No	-9.2E-06	0.19	100.0%	D
LF1MW-6	T	2.9E+02	2.6E+02	7.8E+01	No	1.2E-04	0.27	97.0%	I
LF1P--2	S	4.5E+02	4.5E+02	3.5E+01	No	-3.4E-05	0.08	92.8%	PD
LF1P--3	T	3.4E+02	3.5E+02	2.7E+01	No	-1.7E-05	0.08	75.1%	S
LF1P--5	T	3.3E+02	3.3E+02	4.4E+01	No	-8.1E-07	0.13	100.0%	D
LF1SW-1	T	1.9E+02	1.3E+02	1.7E+02	No	2.1E-04	0.90	78.8%	NT
LF1SW-2	T	2.4E+02	2.2E+02	1.5E+02	No	8.1E-05	0.63	64.3%	NT
LF1SW-3	T	1.2E+02	9.3E+01	8.2E+01	No	9.7E-05	0.68	68.2%	NT
MWSAR03	T	1.8E+02	1.6E+02	8.5E+01	No	-1.2E-04	0.49	84.9%	S
NITROGEN									
LF1MW-10	S	2.7E-01	2.2E-01	2.2E-01	No	5.3E-04	0.84	96.1%	I
LF1MW-103	T	3.9E+01	2.1E+00	8.2E+01	No	-4.1E-03	2.11	93.9%	PD
LF1MW-11	T	2.7E-02	1.0E-02	2.6E-02	No	-1.1E-04	0.94	68.1%	S

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	Source/ Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence in Trend	Concentration Trend
NITROGEN									
LF1MW-12	T	9.9E-02	1.0E-02	2.2E-01	No	-6.5E-04	2.25	95.4%	D
LF1MW-13	T	1.7E-02	1.0E-02	1.8E-02	No	-9.4E-06	1.03	100.0%	D
LF1MW-14	T	3.9E-01	2.0E-01	4.2E-01	No	8.6E-05	1.07	56.8%	NT
LF1MW-1R	T	1.1E-02	1.0E-02	1.7E-03	No	0.0E+00	0.00	0.0%	N/A
LF1MW-5	S	1.9E-02	1.0E-02	1.5E-02	No	2.5E-04	0.77	93.3%	PI
LF1MW-6	T	2.0E-02	1.0E-02	2.4E-02	No	2.2E-04	1.21	87.8%	NT
LF1P--2	S	3.2E-02	1.0E-02	3.0E-02	No	6.0E-04	0.94	99.6%	I
LF1P--3	T	1.6E-02	1.0E-02	1.1E-02	No	2.5E-04	0.71	96.3%	I
LF1P--5	T	5.7E-02	1.0E-02	7.9E-02	No	9.3E-04	1.38	99.9%	I
LF1SW-1	T	7.9E-01	7.1E-01	1.0E+00	No	-9.3E-04	1.28	94.0%	PD
LF1SW-2	T	5.8E-01	3.8E-01	8.1E-01	No	-9.0E-04	1.39	95.3%	D
LF1SW-3	T	4.1E-01	2.5E-01	4.3E-01	No	-5.9E-04	1.05	99.9%	D
MWSAR03	T	5.1E-01	1.1E-01	8.6E-01	No	-9.9E-04	1.68	96.2%	D
TOTAL ORGANIC CARBON									
LF1MW-10	S	9.3E-01	7.8E-01	6.2E-01	No	-1.6E-04	0.67	89.3%	S
LF1MW-103	T	2.5E+00	2.6E+00	1.3E+00	No	-1.2E-03	0.54	92.7%	PD
LF1MW-11	T	4.0E+00	4.0E+00	8.5E-01	No	-1.9E-04	0.21	100.0%	D
LF1MW-12	T	8.7E-01	6.6E-01	7.8E-01	No	-4.7E-05	0.89	57.2%	S
LF1MW-13	T	2.1E+00	2.1E+00	5.8E-01	No	2.8E-05	0.27	60.7%	NT
LF1MW-14	T	9.5E-01	7.4E-01	7.7E-01	No	1.0E-04	0.81	70.8%	NT
LF1MW-1R	T	3.1E+00	2.6E+00	1.8E+00	No	0.0E+00	0.00	0.0%	N/A
LF1MW-5	S	2.7E+00	2.7E+00	5.2E-01	No	-9.6E-05	0.20	97.5%	D
LF1MW-6	T	9.5E-01	7.2E-01	7.3E-01	No	-4.3E-05	0.76	57.8%	S
LF1P--2	S	2.8E+00	2.8E+00	7.6E-01	No	-1.4E-04	0.27	98.8%	D
LF1P--3	T	5.4E-01	5.1E-01	3.6E-01	No	-2.9E-04	0.67	87.2%	S
LF1P--5	T	1.6E+00	1.6E+00	5.1E-01	No	-3.7E-04	0.33	99.4%	D
LF1SW-1	T	2.9E+00	1.3E+00	3.8E+00	No	1.2E-05	1.31	52.0%	NT
LF1SW-2	T	3.6E+00	2.8E+00	4.2E+00	No	-1.1E-04	1.15	71.5%	NT
LF1SW-3	T	3.0E+00	2.8E+00	9.7E-01	No	2.0E-04	0.32	98.9%	I
MWSAR03	T	1.2E+00	1.3E+00	2.8E-01	No	-3.8E-05	0.22	70.9%	S

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Non-detect (ND); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); COV = Coefficient of Variation

MAROS Mann-Kendall Statistics Summary

Project: Landfill 1
User Name: Josh Wenzel
Location: Griffiss AFB
State: New York

Time Period: 12/5/2003 **to** 6/26/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Well	Source/ Tail	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
BICARBONATE								
LF1MW-10	S	18	18	0.35	52	97.4%	No	I
LF1MW-103	T	7	6	0.47	-10	90.7%	No	PD
LF1MW-11	T	21	21	0.27	-5	54.8%	No	S
LF1MW-12	T	19	19	0.43	22	76.6%	No	NT
LF1MW-13	T	19	19	0.24	-84	99.9%	No	D
LF1MW-14	T	15	15	0.30	-4	55.8%	No	S
LF1MW-1R	T	3	3	0.00	0	0.0%	No	N/A
LF1MW-5	S	21	21	0.61	-55	94.8%	No	PD
LF1MW-6	T	20	20	0.38	8	58.9%	No	NT
LF1P--2	S	20	20	0.28	-66	98.3%	No	D
LF1P--3	T	19	19	0.34	-43	92.8%	No	PD
LF1P--5	T	19	19	0.31	-32	85.9%	No	S
LF1SW-1	T	18	18	0.80	1	50.0%	No	NT
LF1SW-2	T	19	19	0.78	27	81.6%	No	NT
LF1SW-3	T	18	18	0.61	-10	63.2%	No	S
MWSAR03	T	21	21	0.59	-55	94.8%	No	PD
CARBONATE (AS CO3)								
LF1MW-10	S	18	18	0.12	87	100.0%	No	I
LF1MW-103	T	6	6	0.19	4	70.3%	No	NT
LF1MW-11	T	21	21	0.12	-11	61.8%	No	S
LF1MW-12	T	19	19	0.32	77	99.7%	No	I
LF1MW-13	T	19	19	0.11	-95	100.0%	No	D
LF1MW-14	T	15	15	0.22	14	73.7%	No	NT
LF1MW-1R	T	3	3	0.00	0	0.0%	No	N/A
LF1MW-5	S	21	21	0.19	-59	96.0%	No	D
LF1MW-6	T	20	20	0.27	53	95.4%	No	I
LF1P--2	S	20	20	0.08	-71	98.9%	No	D
LF1P--3	T	19	19	0.08	33	86.7%	No	NT
LF1P--5	T	19	19	0.13	-7	58.2%	No	S
LF1SW-1	T	19	19	0.90	43	92.8%	No	PI
LF1SW-2	T	19	19	0.63	33	86.7%	No	NT
LF1SW-3	T	19	19	0.68	15	68.6%	No	NT
MWSAR03	T	21	21	0.49	-23	74.5%	No	S
NITROGEN								
LF1MW-10	S	18	17	0.84	46	95.6%	No	I
LF1MW-103	T	5	4	2.11	-8	95.8%	No	D

Project: Landfill 1

User Name: Josh Wenzel

Location: Griffiss AFB

State: New York

Well	Source/ Tail	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
NITROGEN								
LF1MW-11	T	21	8	0.94	6	55.9%	No	NT
LF1MW-12	T	18	4	2.25	-32	87.8%	No	NT
LF1MW-13	T	16	5	1.03	11	67.1%	No	NT
LF1MW-14	T	15	13	1.07	11	68.7%	No	NT
LF1MW-1R	T	3	1	0.00	0	0.0%	No	N/A
LF1MW-5	S	21	7	0.77	70	98.2%	No	I
LF1MW-6	T	20	7	1.21	47	93.2%	No	PI
LF1P--2	S	21	9	0.94	91	99.8%	No	I
LF1P--3	T	19	5	0.71	44	93.3%	No	PI
LF1P--5	T	19	9	1.38	76	99.7%	No	I
LF1SW-1	T	19	14	1.28	-51	96.0%	No	D
LF1SW-2	T	19	15	1.39	-61	98.3%	No	D
LF1SW-3	T	19	19	1.05	-81	99.8%	No	D
MWSAR03	T	20	11	1.68	-39	89.0%	No	NT
TOTAL ORGANIC CARBON								
LF1MW-10	S	15	15	0.67	-20	82.3%	No	S
LF1MW-103	T	6	5	0.54	-4	70.3%	No	S
LF1MW-11	T	21	21	0.21	-143	100.0%	No	D
LF1MW-12	T	15	13	0.89	-3	53.9%	No	S
LF1MW-13	T	19	19	0.27	-11	63.5%	No	S
LF1MW-14	T	13	13	0.81	12	74.5%	No	NT
LF1MW-1R	T	3	3	0.00	0	0.0%	No	N/A
LF1MW-5	S	21	21	0.20	-67	97.7%	No	D
LF1MW-6	T	16	15	0.76	-11	67.1%	No	S
LF1P--2	S	20	20	0.27	-77	99.4%	No	D
LF1P--3	T	12	8	0.67	-18	87.5%	No	S
LF1P--5	T	18	17	0.33	-61	98.9%	No	D
LF1SW-1	T	18	18	1.31	13	67.3%	No	NT
LF1SW-2	T	17	17	1.15	-8	61.2%	No	NT
LF1SW-3	T	19	19	0.32	69	99.2%	No	I
MWSAR03	T	20	20	0.22	-33	84.9%	No	S

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)- Due to insufficient Data (< 4 sampling events); Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Spatial Moment Analysis Summary

Project: Landfill 1

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

	0th Moment	1st Moment (Center of Mass)			2nd Moment (Spread)		
Effective Date	Estimated Mass (Kg)	Xc (ft)	Yc (ft)	Source Distance (ft)	Sigma XX (sq ft)	Sigma YY (sq ft)	Number of Wells
BICARBONATE							
12/5/2003	5.4E+04	1,132,687	1,183,531	208	74,858	141,678	13
3/29/2004	2.7E+04	1,132,663	1,183,735	131	68,994	57,452	11
6/25/2004	2.9E+04	1,132,651	1,183,517	197	80,244	141,634	13
9/16/2004	3.0E+04	1,132,634	1,183,554	156	80,634	139,137	13
12/14/2004	4.1E+04	1,132,653	1,183,612	130	110,706	142,048	14
4/1/2005	3.4E+04	1,132,653	1,183,629	122	102,491	128,703	14
6/22/2005	4.2E+04	1,132,613	1,183,595	112	105,781	153,536	14
9/8/2005	6.2E+04	1,132,688	1,183,562	188	86,383	150,564	14
12/19/2005	3.8E+04	1,132,588	1,183,593	99	106,126	148,865	14
3/14/2006	3.1E+04	1,132,643	1,183,644	107	104,463	130,595	14
6/19/2006	0.0E+00						5
9/14/2006	4.1E+04	1,132,626	1,183,603	115	106,158	144,288	14
12/18/2006	0.0E+00						5
4/3/2007	3.8E+04	1,132,646	1,183,618	121	108,918	124,830	14
9/26/2007	2.4E+04	1,132,515	1,183,499	185	114,123	137,176	15
4/1/2008	2.8E+04	1,132,591	1,183,550	141	125,005	130,181	15
9/17/2008	3.6E+04	1,132,582	1,183,544	143	119,972	148,579	15
4/17/2009	2.2E+04	1,132,579	1,183,536	151	145,227	145,608	15
3/30/2010	2.4E+04	1,132,604	1,183,597	104	153,423	175,110	15
6/16/2011	3.3E+04	1,132,670	1,183,653	130	153,561	220,529	15
6/26/2012	3.1E+04	1,132,671	1,183,650	132	170,053	227,635	15
CARBONATE (AS CO3)							
12/5/2003	3.0E+04	1,132,661	1,183,530	192	82,254	135,744	13
3/29/2004	2.6E+04	1,132,653	1,183,554	169	88,778	116,547	13
6/25/2004	2.7E+04	1,132,652	1,183,515	200	81,173	138,004	13
9/16/2004	2.8E+04	1,132,639	1,183,517	191	79,915	139,415	13
12/14/2004	4.0E+04	1,132,654	1,183,597	140	108,968	136,614	14
4/1/2005	3.5E+04	1,132,646	1,183,628	116	102,640	127,312	14
6/22/2005	4.2E+04	1,132,603	1,183,586	113	102,758	153,671	14
9/8/2005	4.8E+04	1,132,623	1,183,597	116	103,080	152,943	14
12/19/2005	3.7E+04	1,132,607	1,183,607	99	106,078	141,982	14
3/14/2006	3.7E+04	1,132,635	1,183,617	113	104,569	134,229	14
6/19/2006	0.0E+00						5
9/14/2006	3.8E+04	1,132,613	1,183,628	88	112,933	151,433	14
12/18/2006	0.0E+00						5
4/3/2007	3.4E+04	1,132,621	1,183,617	101	108,040	131,936	14
9/26/2007	4.3E+04	1,132,608	1,183,616	93	104,107	148,730	15
4/1/2008	3.4E+04	1,132,609	1,183,616	93	113,891	130,949	15

Project: Landfill 1

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

Effective Date	0th Moment Estimated Mass (kg)	1st Moment (Center of Mass) Xc (ft)	Yc (ft)	Source Distance (ft)	2nd Moment (Spread) Sigma XX (sq ft)	Sigma YY (sq ft)	Number of Wells
CARBONATE (AS CO3)							
9/17/2008	4.2E+04	1,132,610	1,183,612	97	103,871	153,115	15
4/17/2009	3.1E+04	1,132,587	1,183,584	107	118,820	131,836	15
3/30/2010	3.1E+04	1,132,674	1,183,660	133	139,974	163,468	15
6/16/2011	4.3E+04	1,132,676	1,183,702	135	139,177	182,285	14
6/26/2012	4.2E+04	1,132,657	1,183,681	114	133,306	188,316	15
NITROGEN							
12/5/2003	6.4E+00	1,132,733	1,183,583	214	51,951	201,078	13
3/29/2004	1.6E+01	1,132,842	1,183,664	300	53,743	131,862	13
6/25/2004	1.0E+01	1,132,815	1,183,681	272	51,124	135,898	12
9/16/2004	1.3E+01	1,132,835	1,183,670	293	45,204	140,817	12
12/14/2004	1.8E+01	1,132,772	1,183,755	240	69,659	125,514	14
4/1/2005	1.8E+01	1,132,811	1,183,761	280	55,229	109,827	14
6/22/2005	3.9E+00	1,132,586	1,183,509	178	158,680	154,645	14
9/8/2005	5.2E+00	1,132,506	1,183,524	162	147,712	147,606	13
12/19/2005	7.6E+00	1,132,671	1,183,549	185	126,193	136,049	14
3/14/2006	1.7E+01	1,132,852	1,183,718	311	40,953	116,534	14
6/19/2006	0.0E+00						5
9/14/2006	3.3E+00	1,132,389	1,183,477	256	62,801	181,307	12
12/18/2006	0.0E+00						5
4/3/2007	2.7E+01	1,132,845	1,183,697	302	54,195	124,375	14
9/26/2007	2.4E+01	1,132,726	1,183,843	244	66,812	66,882	15
4/1/2008	1.8E+01	1,132,643	1,183,731	111	125,312	110,096	14
9/17/2008	3.3E+00	1,132,607	1,183,493	199	137,781	150,367	14
4/17/2009	2.2E+01	1,132,704	1,183,837	223	66,833	84,280	15
3/30/2010	3.1E+01	1,132,753	1,183,891	296	111,347	96,687	15
6/16/2011	4.4E+00	1,132,772	1,183,763	243	152,201	243,826	15
6/26/2012	8.9E+00	1,132,661	1,183,710	121	153,749	124,270	16
TOTAL ORGANIC CARBON							
12/5/2003	2.9E+02	1,132,619	1,183,599	113	77,744	115,651	10
3/29/2004	2.6E+02	1,132,711	1,183,590	191	62,648	140,345	11
6/25/2004	0.0E+00						5
9/16/2004	2.1E+02	1,132,654	1,183,596	140	70,997	137,037	10
12/14/2004	3.0E+02	1,132,682	1,183,486	240	75,674	115,762	10
4/1/2005	2.6E+02	1,132,601	1,183,561	134	111,608	162,698	14
6/22/2005	2.9E+02	1,132,626	1,183,677	83	94,236	153,170	14
9/8/2005	3.6E+02	1,132,605	1,183,664	65	101,786	158,576	14
12/19/2005	1.9E+02	1,132,707	1,183,459	276	68,794	113,800	10
3/14/2006	2.1E+02	1,132,596	1,183,569	125	115,007	139,101	13
6/19/2006	0.0E+00						5
9/14/2006	2.8E+02	1,132,627	1,183,588	127	103,115	146,812	13
12/18/2006	0.0E+00						5

Project: Landfill 1

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

	0th Moment	1st Moment (Center of Mass)			2nd Moment (Spread)		
Effective Date	Estimated Mass (kg)	Xc (ft)	Yc (ft)	Source Distance (ft)	Sigma XX (sq ft)	Sigma YY (sq ft)	Number of Wells
TOTAL ORGANIC CARBON							
4/3/2007	1.7E+02	1,132,557	1,183,610	73	111,274	151,535	14
9/26/2007	4.2E+02	1,132,577	1,183,677	34	110,851	157,374	15
4/1/2008	1.9E+02	1,132,549	1,183,673	11	118,512	143,304	15
9/17/2008	1.9E+02	1,132,586	1,183,668	45	101,720	149,322	14
4/17/2009	2.0E+02	1,132,634	1,183,624	107	101,719	162,409	15
3/30/2010	3.6E+02	1,132,765	1,183,925	329	160,813	169,080	15
6/16/2011	3.0E+02	1,132,730	1,183,769	206	156,336	214,336	15
6/26/2012	2.8E+02	1,132,867	1,183,824	354	140,517	280,655	16

Project: Landfill 1

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

Moment Type	Constituent	Coefficient of Variation	Mann-Kendall S Statistic	Confidence in Trend	Moment Trend
Zeroth Moment: Mass					
	BICARBONATE	0.45	-41	88.5%	S
	CARBONATE (AS CO3)	0.38	47	91.6%	PI
	NITROGEN	0.74	15	66.2%	NT
	TOTAL ORGANIC CARBON	0.50	3	52.4%	NT
1st Moment: Distance to Source					
	BICARBONATE	0.23	-31	85.1%	S
	CARBONATE (AS CO3)	0.28	-67	99.0%	D
	NITROGEN	0.26	-29	83.4%	S
	TOTAL ORGANIC CARBON	0.68	-5	55.9%	S
2nd Moment: Sigma XX					
	BICARBONATE	0.25	145	100.0%	I
	CARBONATE (AS CO3)	0.16	115	100.0%	I
	NITROGEN	0.48	71	99.4%	I
	TOTAL ORGANIC CARBON	0.27	81	99.9%	I
2nd Moment: Sigma YY					
	BICARBONATE	0.24	59	97.9%	I
	CARBONATE (AS CO3)	0.12	61	98.3%	I
	NITROGEN	0.30	-35	88.1%	S
	TOTAL ORGANIC CARBON	0.25	81	99.9%	I

Note: The following assumptions were applied for the calculation of the Zeroth Moment:

Porosity: 0.35 **Saturated Thickness:** Uniform: 8.5 ft

Mann-Kendall Trend test performed on all sample events for each constituent. Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)-Due to insufficient Data (< 4 sampling events).

Note: The Sigma XX and Sigma YY components are estimated using the given field coordinate system and then rotated to align with the estimated groundwater flow direction. Moments are not calculated for sample events with less than 6 wells.

MAROS Plume Analysis Summary

Project: Landfill 1
Location: Griffiss AFB

User Name: Josh Wenzel
State: New York

Time Period: 12/5/2003 **to** 6/26/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Constituent	Well	Source/ Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
BICARBONATE											
	LF1MW-10	S	18	18	2.3E+02	2.2E+02	No	I	NT	N/A	N/A
	LF1MW-103	T	7	6	2.4E+01	2.8E+01	No	PD	D	N/A	N/A
	LF1MW-11	T	21	21	4.6E+02	5.0E+02	No	S	NT	N/A	N/A
	LF1MW-12	T	19	19	1.7E+02	1.5E+02	No	NT	S	N/A	N/A
	LF1MW-13	T	19	19	2.3E+02	2.2E+02	No	D	D	N/A	N/A
	LF1MW-14	T	15	15	7.0E+01	7.2E+01	No	S	NT	N/A	N/A
	LF1MW-1R	T	3	3	6.3E+01	7.4E+01	No	N/A	N/A	N/A	N/A
	LF1MW-5	S	21	21	3.7E+02	3.5E+02	No	PD	PD	N/A	N/A
	LF1MW-6	T	20	20	2.8E+02	2.6E+02	No	NT	NT	N/A	N/A
	LF1P--2	S	20	20	4.4E+02	4.4E+02	No	D	PD	N/A	N/A
	LF1P--3	T	19	19	3.6E+02	3.3E+02	No	PD	PD	N/A	N/A
	LF1P--5	T	19	19	3.2E+02	3.1E+02	No	S	S	N/A	N/A
	LF1SW-1	T	18	18	2.0E+02	1.4E+02	No	NT	S	N/A	N/A
	LF1SW-2	T	19	19	2.8E+02	2.1E+02	No	NT	D	N/A	N/A
	LF1SW-3	T	18	18	1.4E+02	1.5E+02	No	S	S	N/A	N/A
	MWSAR03	T	21	21	2.0E+02	1.7E+02	No	PD	D	N/A	N/A
CARBONATE (AS CO3)											
	LF1MW-10	S	18	18	2.1E+02	2.0E+02	No	I	I	N/A	N/A
	LF1MW-103	T	6	6	3.8E+02	3.7E+02	No	NT	NT	N/A	N/A
	LF1MW-11	T	21	21	5.2E+02	5.3E+02	No	S	NT	N/A	N/A
	LF1MW-12	T	19	19	1.5E+02	1.6E+02	No	I	I	N/A	N/A

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Constituent	Well	Source/ Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
CARBONATE (AS CO3)											
	LF1MW-13	T	19	19	2.3E+02	2.3E+02	No	D	D	N/A	N/A
	LF1MW-14	T	15	15	5.7E+01	5.7E+01	No	NT	NT	N/A	N/A
	LF1MW-1R	T	3	3	4.7E+01	4.1E+01	No	N/A	N/A	N/A	N/A
	LF1MW-5	S	21	21	3.6E+02	3.7E+02	No	D	D	N/A	N/A
	LF1MW-6	T	20	20	2.9E+02	2.6E+02	No	I	I	N/A	N/A
	LF1P--2	S	20	20	4.5E+02	4.5E+02	No	D	PD	N/A	N/A
	LF1P--3	T	19	19	3.4E+02	3.5E+02	No	NT	S	N/A	N/A
	LF1P--5	T	19	19	3.3E+02	3.3E+02	No	S	D	N/A	N/A
	LF1SW-1	T	19	19	1.9E+02	1.3E+02	No	PI	NT	N/A	N/A
	LF1SW-2	T	19	19	2.4E+02	2.2E+02	No	NT	NT	N/A	N/A
	LF1SW-3	T	19	19	1.2E+02	9.3E+01	No	NT	NT	N/A	N/A
	MWSAR03	T	21	21	1.8E+02	1.6E+02	No	S	S	N/A	N/A
NITROGEN											
	LF1MW-10	S	18	17	2.7E-01	2.2E-01	No	I	I	N/A	N/A
	LF1MW-103	T	5	4	3.9E+01	2.1E+00	No	D	PD	N/A	N/A
	LF1MW-11	T	21	8	2.7E-02	1.0E-02	No	NT	S	N/A	N/A
	LF1MW-12	T	18	4	9.9E-02	1.0E-02	No	NT	D	N/A	N/A
	LF1MW-13	T	16	5	1.7E-02	1.0E-02	No	NT	D	N/A	N/A
	LF1MW-14	T	15	13	3.9E-01	2.0E-01	No	NT	NT	N/A	N/A
	LF1MW-1R	T	3	1	1.1E-02	1.0E-02	No	N/A	N/A	N/A	N/A
	LF1MW-5	S	21	7	1.9E-02	1.0E-02	No	I	PI	N/A	N/A
	LF1MW-6	T	20	7	2.0E-02	1.0E-02	No	PI	NT	N/A	N/A
	LF1P--2	S	21	9	3.2E-02	1.0E-02	No	I	I	N/A	N/A
	LF1P--3	T	19	5	1.6E-02	1.0E-02	No	PI	I	N/A	N/A
	LF1P--5	T	19	9	5.7E-02	1.0E-02	No	I	I	N/A	N/A
	LF1SW-1	T	19	14	7.9E-01	7.1E-01	No	D	PD	N/A	N/A
	LF1SW-2	T	19	15	5.8E-01	3.8E-01	No	D	D	N/A	N/A
	LF1SW-3	T	19	19	4.1E-01	2.5E-01	No	D	D	N/A	N/A
	MWSAR03	T	20	11	5.1E-01	1.1E-01	No	NT	D	N/A	N/A
TOTAL ORGANIC CARBON											
	LF1MW-10	S	15	15	9.3E-01	7.8E-01	No	S	S	N/A	N/A
	LF1MW-103	T	6	5	2.5E+00	2.6E+00	No	S	PD	N/A	N/A

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Constituent	Well	Source/ Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
TOTAL ORGANIC CARBON											
	LF1MW-11	T	21	21	4.0E+00	4.0E+00	No	D	D	N/A	N/A
	LF1MW-12	T	15	13	8.7E-01	6.6E-01	No	S	S	N/A	N/A
	LF1MW-13	T	19	19	2.1E+00	2.1E+00	No	S	NT	N/A	N/A
	LF1MW-14	T	13	13	9.5E-01	7.4E-01	No	NT	NT	N/A	N/A
	LF1MW-1R	T	3	3	3.1E+00	2.6E+00	No	N/A	N/A	N/A	N/A
	LF1MW-5	S	21	21	2.7E+00	2.7E+00	No	D	D	N/A	N/A
	LF1MW-6	T	16	15	9.5E-01	7.2E-01	No	S	S	N/A	N/A
	LF1P--2	S	20	20	2.8E+00	2.8E+00	No	D	D	N/A	N/A
	LF1P--3	T	12	8	5.4E-01	5.1E-01	No	S	S	N/A	N/A
	LF1P--5	T	18	17	1.6E+00	1.6E+00	No	D	D	N/A	N/A
	LF1SW-1	T	18	18	2.9E+00	1.3E+00	No	NT	NT	N/A	N/A
	LF1SW-2	T	17	17	3.6E+00	2.8E+00	No	NT	NT	N/A	N/A
	LF1SW-3	T	19	19	3.0E+00	2.8E+00	No	I	I	N/A	N/A
	MWSAR03	T	20	20	1.2E+00	1.3E+00	No	S	S	N/A	N/A

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Sampling Frequency Optimization Results

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

The Overall Number of Sampling Events: 21

"Recent Period" defined by events: **From** Sample Event 1 (12/5/2003) **To** Sample Event 21 (6/26/2012)

"Rate of Change" parameters used:

Constituent	Cleanup Goal	Low Rate	Medium Rate	High Rate
BICARBONATE	400	200	400	800
CARBONATE (AS CO3)	400	200	400	800
NITROGEN	10	5	10	20
TOTAL ORGANIC CARBON	500	250	500	1000

Units: Cleanup Goal is in mg/L; all rate parameters are in mg/L/year.

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
BICARBONATE			
LF1MW-10	Annual	Annual	Annual
LF1MW-103	Annual	Annual	Annual
LF1MW-11	Annual	Annual	Annual
LF1MW-12	Annual	Annual	Annual
LF1MW-13	Annual	Annual	Annual
LF1MW-14	Biennial	Annual	Annual
LF1MW-1R	Annual	Annual	Annual
LF1MW-5	Annual	Annual	Annual
LF1MW-6	Annual	Annual	Annual
LF1P--2	Annual	Annual	Annual
LF1P--3	Annual	Annual	Annual
LF1P--5	Annual	Annual	Annual
LF1SW-1	Annual	Annual	Annual
LF1SW-2	Annual	Annual	Annual
LF1SW-3	Annual	Annual	Annual
MWSAR03	Annual	Annual	Annual
CARBONATE (AS CO3)			
LF1MW-10	Annual	Annual	Annual
LF1MW-103	Annual	Annual	Annual
LF1MW-11	Annual	Annual	Annual
LF1MW-12	Annual	Annual	Annual

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
LF1MW-13	Annual	Annual	Annual
LF1MW-14	Biennial	Annual	Annual
LF1MW-1R	Annual	Annual	Annual
LF1MW-5	Annual	Annual	Annual
LF1MW-6	Annual	Annual	Annual
LF1P--2	Annual	Annual	Annual
LF1P--3	Annual	Annual	Annual
LF1P--5	Annual	Annual	Annual
LF1SW-1	Annual	Annual	Annual
LF1SW-2	Annual	Annual	Annual
LF1SW-3	Annual	Annual	Annual
MWSAR03	Annual	Annual	Annual
NITROGEN			
LF1MW-10	Annual	Annual	Annual
LF1MW-103	Annual	Annual	Annual
LF1MW-11	Biennial	Annual	Annual
LF1MW-12	Biennial	Annual	Annual
LF1MW-13	Biennial	Annual	Annual
LF1MW-14	Biennial	Annual	Annual
LF1MW-1R	Annual	Annual	Annual
LF1MW-5	Annual	Annual	Annual
LF1MW-6	Biennial	Annual	Annual
LF1P--2	Annual	Annual	Annual
LF1P--3	Biennial	Annual	Annual
LF1P--5	Annual	Annual	Annual
LF1SW-1	Biennial	Annual	Annual
LF1SW-2	Biennial	Annual	Annual
LF1SW-3	Biennial	Annual	Annual
MWSAR03	Biennial	Annual	Annual
TOTAL ORGANIC CARBON			
LF1MW-10	Biennial	Annual	Annual
LF1MW-103	Biennial	Annual	Annual
LF1MW-11	Biennial	Annual	Annual
LF1MW-12	Biennial	Annual	Annual
LF1MW-13	Biennial	Annual	Annual
LF1MW-14	Biennial	Annual	Annual

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
LF1MW-1R	Annual	Annual	Annual
LF1MW-5	Biennial	Annual	Annual
LF1MW-6	Biennial	Annual	Annual
LF1P--2	Biennial	Annual	Annual
LF1P--3	Biennial	Annual	Annual
LF1P--5	Biennial	Annual	Annual
LF1SW-1	Biennial	Annual	Annual
LF1SW-2	Biennial	Annual	Annual
LF1SW-3	Annual	Annual	Annual
MWSAR03	Biennial	Annual	Annual

Note: Sampling frequency is determined considering both recent and overall concentration trends. Sampling Frequency is the final recommendation; Frequency Based on Recent Data is the frequency determined using recent (short) period of monitoring data; Frequency Based on Overall Data is the frequency determined using overall (long) period of monitoring data. If the "recent period" is defined using a different series of sampling events, the results could be different.

MAROS Sampling Location Optimization

Results by Considering All COCs

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Sampling Events Analyzed: **From** Sample Event 1 (12/5/2003) **to** Sample Event 21 (6/26/2012)

Well	X (feet)	Y (feet)	Number of COCs	COC-Averaged Slope Factor*	Abandoned?
LF1MW-10	1132764.38	1183544.25	4	0.198	☐
LF1MW-103	1132550.88	1183707.25	4	0.293	☐
LF1MW-11	1132207.50	1184166.38	4	0.257	☐
LF1MW-12	1132127.88	1184381.00	4	0.245	☐
LF1MW-13	1132127.00	1183192.38	4	0.113	☐
LF1MW-14	1131755.75	1184033.75	4	0.330	☐
LF1MW-1R	1133779.63	1184714.38	4	0.224	☐
LF1MW-5	1132374.13	1183506.38	4	0.175	☐
LF1MW-6	1132440.50	1183754.13	4	0.205	☐
LF1P--2	1132543.00	1183682.00	4	0.213	☐
LF1P--3	1132921.88	1183270.25	4	0.265	☐
LF1P--5	1132159.75	1183482.25	4	0.119	☐
LF1SW-1	1132228.00	1184456.00	4	0.237	☐
LF1SW-2	1132443.00	1183598.00	4	0.211	☐
LF1SW-3	1132757.00	1182480.00	4	0.306	☐
MWSAR03	1133585.00	1183824.38	4	0.155	☐

Note: the COC-Averaged Slope Factor is the value calculated by averaging those "Average Slope Factor" obtained earlier across COCs; to be conservative, a location is "abandoned" only when it is eliminated from all COCs; "abandoned" doesn't necessarily mean the abandon of well, it can mean that NO samples need to be collected for any COCs.

* When the report is generated after running the Excel module, SF values will NOT be shown above.

MAROS Sampling Location Optimization Results

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Sampling Events Analyzed: **From** Sample Event 1 (12/5/2003) **to** Sample Event 21 (6/26/2012)

Parameters used:

Constituent	Inside SF	Hull SF	Area Ratio	Conc. Ratio
BICARBONATE	0.1	0.01	0.95	0.95
CARBONATE (AS CO3)	0.1	0.01	0.95	0.95
NITROGEN	0.1	0.01	0.95	0.95
TOTAL ORGANIC CARBON	0.1	0.01	0.95	0.95

Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
BICARBONATE							
LF1MW-10	1132764.38	1183544.25	☑	0.098	0.019	0.259	☑
LF1MW-103	1132550.88	1183707.25	☑	0.486	0.320	0.954	☐
LF1MW-11	1132207.50	1184166.38	☑	0.201	0.104	0.359	☐
LF1MW-12	1132127.88	1184381.00	☑	0.108	0.025	0.229	☐
LF1MW-13	1132127.00	1183192.38	☑	0.053	0.001	0.115	☐
LF1MW-14	1131755.75	1184033.75	☑	0.270	0.085	0.468	☐
LF1MW-1R	1133779.63	1184714.38	☑	0.132	0.056	0.220	☐
LF1MW-5	1132374.13	1183506.38	☑	0.087	0.003	0.432	☑
LF1MW-6	1132440.50	1183754.13	☑	0.095	0.004	0.320	☑
LF1P--2	1132543.00	1183682.00	☑	0.172	0.050	0.406	☐
LF1P--3	1132921.88	1183270.25	☑	0.088	0.044	0.192	☑
LF1P--5	1132159.75	1183482.25	☑	0.054	0.002	0.230	☑
LF1SW-1	1132228.00	1184456.00	☑	0.140	0.002	0.328	☐
LF1SW-2	1132443.00	1183598.00	☑	0.114	0.003	0.340	☐
LF1SW-3	1132757.00	1182480.00	☑	0.160	0.009	0.378	☐
MWSAR03	1133585.00	1183824.38	☑	0.093	0.003	0.222	☐
CARBONATE (AS CO3)							
LF1MW-10	1132764.38	1183544.25	☑	0.070	0.013	0.107	☑
LF1MW-103	1132550.88	1183707.25	☑	0.034	0.000	0.073	☑
LF1MW-11	1132207.50	1184166.38	☑	0.195	0.098	0.311	☐
LF1MW-12	1132127.88	1184381.00	☑	0.115	0.004	0.259	☐
LF1MW-13	1132127.00	1183192.38	☑	0.040	0.005	0.100	☐
LF1MW-14	1131755.75	1184033.75	☑	0.320	0.261	0.435	☐
LF1MW-1R	1133779.63	1184714.38	☑	0.216	0.138	0.322	☐

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
LF1MW-5	1132374.13	1183506.38	☑	0.089	0.000	0.218	☑
LF1MW-6	1132440.50	1183754.13	☑	0.032	0.004	0.073	☑
LF1P--2	1132543.00	1183682.00	☑	0.105	0.002	0.231	☐
LF1P--3	1132921.88	1183270.25	☑	0.089	0.016	0.127	☑
LF1P--5	1132159.75	1183482.25	☑	0.042	0.000	0.135	☑
LF1SW-1	1132228.00	1184456.00	☑	0.161	0.011	0.451	☐
LF1SW-2	1132443.00	1183598.00	☑	0.131	0.011	0.441	☐
LF1SW-3	1132757.00	1182480.00	☑	0.185	0.003	0.435	☐
MWSAR03	1133585.00	1183824.38	☑	0.091	0.006	0.204	☐
NITROGEN							
LF1MW-10	1132764.38	1183544.25	☑	0.321	0.000	0.704	☐
LF1MW-103	1132550.88	1183707.25	☑	0.396	0.023	0.674	☐
LF1MW-11	1132207.50	1184166.38	☑	0.288	0.005	0.568	☐
LF1MW-12	1132127.88	1184381.00	☑	0.340	0.000	0.631	☐
LF1MW-13	1132127.00	1183192.38	☑	0.257	0.131	0.418	☐
LF1MW-14	1131755.75	1184033.75	☑	0.399	0.000	0.734	☐
LF1MW-1R	1133779.63	1184714.38	☑	0.334	0.000	0.532	☐
LF1MW-5	1132374.13	1183506.38	☑	0.358	0.131	0.536	☐
LF1MW-6	1132440.50	1183754.13	☑	0.350	0.000	0.775	☐
LF1P--2	1132543.00	1183682.00	☑	0.380	0.091	0.563	☐
LF1P--3	1132921.88	1183270.25	☑	0.392	0.085	0.567	☐
LF1P--5	1132159.75	1183482.25	☑	0.242	0.000	0.672	☐
LF1SW-1	1132228.00	1184456.00	☑	0.409	0.000	0.802	☐
LF1SW-2	1132443.00	1183598.00	☑	0.445	0.057	0.716	☐
LF1SW-3	1132757.00	1182480.00	☑	0.433	0.080	0.695	☐
MWSAR03	1133585.00	1183824.38	☑	0.329	0.001	0.605	☐
TOTAL ORGANIC CARBON							
LF1MW-10	1132764.38	1183544.25	☑	0.305	0.084	0.935	☐
LF1MW-103	1132550.88	1183707.25	☑	0.256	0.072	0.834	☐
LF1MW-11	1132207.50	1184166.38	☑	0.345	0.002	0.566	☐
LF1MW-12	1132127.88	1184381.00	☑	0.419	0.052	0.844	☐
LF1MW-13	1132127.00	1183192.38	☑	0.101	0.015	0.399	☐
LF1MW-14	1131755.75	1184033.75	☑	0.333	0.030	0.547	☐
LF1MW-1R	1133779.63	1184714.38	☑	0.211	0.060	0.348	☐
LF1MW-5	1132374.13	1183506.38	☑	0.167	0.017	0.340	☐
LF1MW-6	1132440.50	1183754.13	☑	0.344	0.013	0.854	☐
LF1P--2	1132543.00	1183682.00	☑	0.193	0.003	0.590	☐

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
LF1P--3	1132921.88	1183270.25	☑	0.491	0.102	0.826	☐
LF1P--5	1132159.75	1183482.25	☑	0.139	0.003	0.838	☐
LF1SW-1	1132228.00	1184456.00	☑	0.238	0.008	0.938	☐
LF1SW-2	1132443.00	1183598.00	☑	0.155	0.011	0.644	☐
LF1SW-3	1132757.00	1182480.00	☑	0.448	0.038	0.733	☐
MWSAR03	1133585.00	1183824.38	☑	0.106	0.004	0.302	☐

Note: The Slope Factor indicates the relative importance of a well in the monitoring network at a given sampling event; the larger the SF value of a well, the more important the well is and vice versa; the Average Slope Factor measures the overall well importance in the selected time period; the state coordinates system (i.e., X and Y refer to Easting and Northing respectively) or local coordinates systems may be used; wells that are NOT selected for analysis are not shown above.
* When the report is generated after running the Excel module, SF values will NOT be shown above.

MAROS Site Results

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

User Defined Site and Data Assumptions:

Hydrogeology and Plume Information:

Groundwater Seepage Velocity: 397 ft/yr

Current Plume Length: 244 ft

Current Plume Width 681 ft

Number of Tail Wells: 13

Number of Source Wells: 3

Source Information:

Source Treatment: No Current Site Treatment

NAPL is not observed at this site.

Down-gradient Information:

Distance from Edge of Tail to Nearest:

Down-gradient receptor: 399 ft

Down-gradient property: 399 ft

Distance from Source to Nearest:

Down-gradient receptor: 642.5 ft

Down-gradient property: 642.5 ft

Data Consolidation Assumptions:

Time Period: 12/5/2003 **to** 6/26/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Plume Information Weighting Assumptions:

Consolidation Step 1. Weight Plume Information by Chemical
Summary Weighting: Weighting Applied to All Chemicals Equally
Consolidation Step 2. Weight Well Information by Chemical
Well Weighting: No Weighting of Wells was Applied.
Chemical Weighting: No Weighting of Chemicals was Applied.

Note: These assumptions were made when consolidating the historical montoring data and lumping the Wells and COCs.

1. Compliance Monitoring/Remediation Optimization Results:

Preliminary Monitoring System Optimization Results: Based on site classification, source treatment and Monitoring System Category the following suggestions are made for site Sampling Frequency, Duration of Sampling before reassessment, and Well Density. These criteria take into consideration: Plume Stability, Type of Plume, and Groundwater Velocity.

COC	Tail Stability	Source Stability	Level of Effort	Sampling Duration	Sampling Frequency	Sampling Density
BICARBONATE	S	S	M	Sample 4 more years	Quarterly	14
CARBONATE (AS CO3)	NT	S	M	Sample 4 more years	Quarterly	14
NITROGEN	S	I	M	Sample Indefinitely	Quarterly	14
TOTAL ORGANIC CARBON	S	PD	M	Sample 4 more years	Quarterly	14

Note:

Plume Status: (I) Increasing; (PI)Probably Increasing; (S) Stable; (NT) No Trend; (PD) Probably Decreasing; (D) Decreasing

Design Categories: (E) Extensive; (M) Moderate; (L) Limited (N/A) Not Applicable, Insufficient Data Available

Level of Monitoring Effort Indicated by Analysi Moderate

2. Spatial Moment Analysis Results:

Moment Type	Constituent	Coefficient of Variation	Mann-Kendall S Statistic	Confidence in Trend	Moment Trend
Zeroth Moment: Mass					
	BICARBONATE	0.45	-41	88.5%	S
	CARBONATE (AS CO3)	0.38	47	91.6%	PI
	NITROGEN	0.74	15	66.2%	NT
	TOTAL ORGANIC CARBON	0.50	3	52.4%	NT
1st Moment: Distance to Source					
	BICARBONATE	0.23	-31	85.1%	S
	CARBONATE (AS CO3)	0.28	-67	99.0%	D
	NITROGEN	0.26	-29	83.4%	S
	TOTAL ORGANIC CARBON	0.68	-5	55.9%	S
2nd Moment: Sigma XX					
	BICARBONATE	0.25	145	100.0%	I
	CARBONATE (AS CO3)	0.16	115	100.0%	I
	NITROGEN	0.48	71	99.4%	I
	TOTAL ORGANIC CARBON	0.27	81	99.9%	I
2nd Moment: Sigma YY					
	BICARBONATE	0.24	59	97.9%	I
	CARBONATE (AS CO3)	0.12	61	98.3%	I
	NITROGEN	0.30	-35	88.1%	S
	TOTAL ORGANIC CARBON	0.25	81	99.9%	I

Note: The following assumptions were applied for the calculation of the Zeroth Moment:

Porosity: 0.35 **Saturated Thickness:** Uniform: 8.5 ft

Mann-Kendall Trend test performed on all sample events for each constituent. Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)-Due to insufficient Data (< 4 sampling events).

MAROS Linear Regression Statistics Summary

Project: Landfill 1

User Name: Josh Wenzel

Location: Griffiss AFB

State: New York

Time Period: 12/5/2003 **to** 6/26/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Well	Source/ Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence in Trend	Concentration Trend
1,2,4-TRIMETHYLBENZENE									
LF1MW-103	T	1.2E-05	1.2E-05	1.8E-21	Yes	0.0E+00	0.00	100.0%	ND
LF1MW-11	S	5.3E-05	1.2E-05	1.4E-04	No	-4.4E-04	2.56	94.3%	PD
LF1MW-12	T	1.2E-05	1.2E-05	1.7E-21	Yes	-2.2E-34	0.00	100.0%	ND
LF1MW-5	S	5.3E-03	1.2E-05	9.8E-03	No	-2.7E-03	1.85	100.0%	D
LF1P--2	S	5.6E-04	1.2E-05	1.7E-03	No	-1.5E-03	2.97	99.8%	D
MWSAR03	T	1.2E-05	1.2E-05	1.7E-21	Yes	0.0E+00	0.00	100.0%	ND
1,3,5-TRIMETHYLBENZENE (MESITYLENE)									
LF1MW-103	T	1.3E-05	1.3E-05	1.8E-21	Yes	0.0E+00	0.00	100.0%	ND
LF1MW-11	S	1.7E-05	1.3E-05	1.9E-05	No	3.7E-05	1.12	61.9%	NT
LF1MW-12	T	1.3E-05	1.3E-05	1.7E-21	Yes	-2.2E-34	0.00	100.0%	ND
LF1MW-5	S	1.4E-03	1.3E-05	2.8E-03	No	-1.9E-03	1.98	99.9%	D
LF1P--2	S	2.6E-05	1.3E-05	5.7E-05	No	-2.3E-04	2.22	89.7%	NT
MWSAR03	T	1.3E-05	1.3E-05	0.0E+00	Yes	0.0E+00	0.00	100.0%	ND
1,4-DICHLOROBENZENE									
LF1MW-103	T	3.0E-05	1.7E-05	4.5E-05	No	-5.9E-06	1.53	100.0%	D
LF1MW-11	S	1.0E-02	1.0E-02	3.2E-03	No	-2.3E-04	0.32	99.2%	D
LF1MW-12	T	3.4E-05	1.7E-05	5.2E-05	No	5.9E-05	1.52	61.5%	NT
LF1MW-5	S	8.2E-04	6.5E-04	4.3E-04	No	-4.6E-04	0.52	100.0%	D
LF1P--2	S	1.8E-03	1.7E-03	5.5E-04	No	1.6E-04	0.31	96.1%	I
MWSAR03	T	9.2E-04	6.2E-04	8.5E-04	No	-3.4E-04	0.92	75.5%	S
CHLOROBENZENE									
LF1MW-103	T	1.1E-05	1.1E-05	1.8E-21	Yes	0.0E+00	0.00	100.0%	ND
LF1MW-11	S	9.9E-03	1.0E-02	3.4E-03	No	-2.3E-04	0.34	98.5%	D
LF1MW-12	T	1.1E-05	1.1E-05	1.7E-21	Yes	0.0E+00	0.00	100.0%	ND
LF1MW-5	S	1.8E-03	1.8E-03	8.6E-04	No	-4.2E-04	0.46	100.0%	D
LF1P--2	S	2.2E-03	2.0E-03	6.9E-04	No	-2.1E-04	0.32	99.7%	D
MWSAR03	T	5.5E-05	1.1E-05	9.4E-05	No	3.0E-04	1.73	82.3%	NT
M,P-XYLENE (SUM OF ISOMERS)									
LF1MW-103	T	2.8E-05	2.8E-05	3.5E-21	Yes	1.5E-34	0.00	100.0%	ND
LF1MW-11	S	2.8E-05	2.8E-05	3.5E-21	Yes	0.0E+00	0.00	100.0%	ND
LF1MW-12	T	2.8E-05	2.8E-05	7.0E-21	Yes	0.0E+00	0.00	100.0%	ND
LF1MW-5	S	2.6E-03	2.8E-05	5.8E-03	No	-2.0E-03	2.19	100.0%	D
LF1P--2	S	4.3E-04	2.8E-05	1.2E-03	No	-1.0E-03	2.71	99.4%	D
MWSAR03	T	2.8E-05	2.8E-05	3.5E-21	Yes	0.0E+00	0.00	100.0%	ND

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	Source/ Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence in Trend	Concentration Trend
M,P-XYLENE (SUM OF ISOMERS)									

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Non-detect (ND); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); COV = Coefficient of Variation

MAROS Mann-Kendall Statistics Summary

Project: Landfill 1
User Name: Josh Wenzel
Location: Griffiss AFB
State: New York

Time Period: 12/5/2003 **to** 6/26/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Well	Source/ Tail	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
1,2,4-TRIMETHYLBENZENE								
LF1MW-103	T	13	0	0.00	0	47.6%	Yes	ND
LF1MW-11	S	20	2	2.56	-31	83.3%	No	NT
LF1MW-12	T	18	0	0.00	0	48.5%	Yes	ND
LF1MW-5	S	20	8	1.85	-109	100.0%	No	D
LF1P--2	S	20	5	2.97	-85	99.8%	No	D
MWSAR03	T	20	0	0.00	0	48.7%	Yes	ND
1,3,5-TRIMETHYLBENZENE (MESITYLENE)								
LF1MW-103	T	13	0	0.00	0	47.6%	Yes	ND
LF1MW-11	S	20	1	1.12	7	57.7%	No	NT
LF1MW-12	T	18	0	0.00	0	48.5%	Yes	ND
LF1MW-5	S	20	6	1.98	-89	99.8%	No	D
LF1P--2	S	20	1	2.22	-19	71.8%	No	NT
MWSAR03	T	20	0	0.00	0	48.7%	Yes	ND
1,4-DICHLOROBENZENE								
LF1MW-103	T	13	1	1.53	0	47.6%	No	NT
LF1MW-11	S	21	21	0.32	-122	100.0%	No	D
LF1MW-12	T	19	2	1.52	11	63.5%	No	NT
LF1MW-5	S	21	21	0.52	-177	100.0%	No	D
LF1P--2	S	21	21	0.31	53	94.2%	No	PI
MWSAR03	T	21	16	0.92	-10	60.6%	No	S
CHLOROBENZENE								
LF1MW-103	T	13	0	0.00	0	47.6%	Yes	ND
LF1MW-11	S	21	21	0.34	-147	100.0%	No	D
LF1MW-12	T	18	0	0.00	0	48.5%	Yes	ND
LF1MW-5	S	21	21	0.46	-122	100.0%	No	D
LF1P--2	S	21	21	0.32	-89	99.7%	No	D
MWSAR03	T	21	4	1.73	36	85.3%	No	NT
M,P-XYLENE (SUM OF ISOMERS)								
LF1MW-103	T	13	0	0.00	0	47.6%	Yes	ND
LF1MW-11	S	20	0	0.00	0	48.7%	Yes	ND
LF1MW-12	T	18	0	0.00	0	48.5%	Yes	ND
LF1MW-5	S	20	7	2.19	-101	100.0%	No	D
LF1P--2	S	20	4	2.71	-70	98.8%	No	D

Project: Landfill 1

User Name: Josh Wenzel

Location: Griffiss AFB

State: New York

Well	Source/ Tail	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
M,P-XYLENE (SUM OF ISOMERS)								
MWSAR03	T	20	0	0.00	0	48.7%	Yes	ND

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)- Due to insufficient Data (< 4 sampling events); Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Spatial Moment Analysis Summary

Project: Landfill 1

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

	0th Moment	1st Moment (Center of Mass)			2nd Moment (Spread)		
Effective Date	Estimated Mass (Kg)	Xc (ft)	Yc (ft)	Source Distance (ft)	Sigma XX (sq ft)	Sigma YY (sq ft)	Number of Wells
1,2,4-TRIMETHYLBENZENE							
12/5/2003	0.0E+00						5
3/29/2004	8.7E-03	1,132,666	1,183,757	144	47,017	14,295	6
6/25/2004	0.0E+00						5
9/16/2004	5.8E-03	1,132,730	1,183,720	191	35,961	9,762	6
12/14/2004	0.0E+00						5
4/1/2005	0.0E+00						5
6/22/2005	1.2E-03	1,132,642	1,183,821	170	43,375	20,698	6
9/8/2005	5.7E-04	1,132,696	1,183,904	269	24,155	21,623	6
12/19/2005	9.2E-04	1,132,657	1,183,844	198	38,580	22,355	6
3/14/2006	0.0E+00						5
6/19/2006	0.0E+00						4
12/18/2006	0.0E+00						4
4/3/2007	5.7E-04	1,132,696	1,183,904	269	24,155	21,623	6
9/26/2007	5.7E-04	1,132,696	1,183,904	269	24,155	21,623	6
4/1/2008	5.7E-04	1,132,696	1,183,904	269	24,155	21,623	6
9/17/2008	5.7E-04	1,132,696	1,183,904	269	24,155	21,623	6
4/17/2009	5.7E-04	1,132,696	1,183,904	269	24,155	21,623	6
3/30/2010	5.7E-04	1,132,696	1,183,904	269	24,155	21,623	6
6/16/2011	5.7E-04	1,132,696	1,183,904	269	24,155	21,623	6
6/26/2012	5.7E-04	1,132,696	1,183,904	269	24,155	21,623	6
1,3,5-TRIMETHYLBENZENE (MESITYLENE)							
12/5/2003	0.0E+00						5
3/29/2004	1.9E-03	1,132,625	1,183,796	140	48,015	17,707	6
6/25/2004	0.0E+00						5
9/16/2004	1.9E-03	1,132,627	1,183,798	143	47,636	18,014	6
12/14/2004	0.0E+00						5
4/1/2005	0.0E+00						5
6/22/2005	6.2E-04	1,132,696	1,183,904	269	24,155	21,623	6
9/8/2005	1.0E-03	1,132,654	1,183,839	192	39,587	22,107	6
12/19/2005	6.2E-04	1,132,696	1,183,904	269	24,155	21,623	6
3/14/2006	0.0E+00						5
6/19/2006	0.0E+00						4
12/18/2006	0.0E+00						4
4/3/2007	6.2E-04	1,132,696	1,183,904	269	24,155	21,623	6
9/26/2007	1.1E-03	1,132,683	1,183,924	279	24,175	18,636	6
4/1/2008	6.2E-04	1,132,696	1,183,904	269	24,155	21,623	6
9/17/2008	6.2E-04	1,132,696	1,183,904	269	24,155	21,623	6
4/17/2009	6.2E-04	1,132,696	1,183,904	269	24,155	21,623	6

Project: Landfill 1

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

Effective Date	0th Moment Estimated Mass (kg)	1st Moment (Center of Mass) Xc (ft)	Yc (ft)	Source Distance (ft)	2nd Moment (Spread) Sigma XX (sq ft)	Sigma YY (sq ft)	Number of Wells
1,3,5-TRIMETHYLBENZENE (MESITYLENE)							
3/30/2010	6.2E-04	1,132,696	1,183,904	269	24,155	21,623	6
6/16/2011	6.2E-04	1,132,696	1,183,904	269	24,155	21,623	6
6/26/2012	6.2E-04	1,132,696	1,183,904	269	24,155	21,623	6
1,4-DICHLOROBENZENE							
12/5/2003	0.0E+00						5
3/29/2004	2.2E-02	1,132,670	1,183,881	236	31,822	22,358	6
6/25/2004	0.0E+00						5
9/16/2004	3.9E-02	1,132,715	1,183,863	250	23,822	25,562	6
12/14/2004	0.0E+00						5
4/1/2005	0.0E+00						5
6/22/2005	3.1E-02	1,132,716	1,183,873	258	22,360	25,256	6
9/8/2005	4.3E-02	1,132,723	1,183,884	271	18,922	25,091	6
12/19/2005	3.7E-02	1,132,722	1,183,884	270	19,197	25,009	6
3/14/2006	0.0E+00						5
6/19/2006	0.0E+00						4
9/14/2006	0.0E+00						5
12/18/2006	0.0E+00						4
4/3/2007	8.9E-03	1,132,636	1,183,865	206	38,737	21,079	6
9/26/2007	6.0E-02	1,132,724	1,183,883	270	19,641	16,225	6
4/1/2008	2.5E-02	1,132,686	1,183,932	288	22,419	28,878	6
9/17/2008	2.5E-02	1,132,714	1,183,874	257	22,840	25,087	6
4/17/2009	8.4E-03	1,132,635	1,183,870	210	38,182	20,889	6
3/30/2010	3.2E-02	1,132,731	1,183,876	270	17,688	25,889	6
6/16/2011	8.4E-03	1,132,645	1,183,860	205	38,388	21,694	6
6/26/2012	2.2E-02	1,132,717	1,183,881	265	21,182	24,834	6
CHLOROBENZENE							
12/5/2003	0.0E+00						5
3/29/2004	1.2E-02	1,132,589	1,183,837	162	45,176	18,486	6
6/25/2004	0.0E+00						5
9/16/2004	1.3E-02	1,132,600	1,183,823	152	46,495	18,564	6
12/14/2004	0.0E+00						5
4/1/2005	0.0E+00						5
6/22/2005	1.1E-02	1,132,608	1,183,829	161	45,427	19,274	6
9/8/2005	1.2E-02	1,132,597	1,183,833	160	45,510	18,799	6
12/19/2005	9.9E-03	1,132,602	1,183,840	169	44,437	19,284	6
3/14/2006	0.0E+00						5
6/19/2006	0.0E+00						4
9/14/2006	0.0E+00						4
12/18/2006	0.0E+00						4
4/3/2007	8.3E-03	1,132,617	1,183,846	180	42,849	20,227	6
9/26/2007	2.1E-02	1,132,692	1,183,844	220	31,709	24,389	6

Project: Landfill 1

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

Effective Date	0th Moment Estimated Mass (kg)	1st Moment (Center of Mass) Xc (ft)	Yc (ft)	Source Distance (ft)	2nd Moment (Spread) Sigma XX (sq ft)	Sigma YY (sq ft)	Number of Wells
CHLOROBENZENE							
4/1/2008	7.3E-03	1,132,620	1,183,851	186	41,948	20,428	6
9/17/2008	9.4E-03	1,132,607	1,183,836	167	44,594	19,508	6
4/17/2009	7.8E-03	1,132,616	1,183,848	182	42,627	20,167	6
3/30/2010	1.7E-02	1,132,710	1,183,866	249	24,726	25,171	6
6/16/2011	8.2E-03	1,132,619	1,183,838	174	43,580	20,202	6
6/26/2012	8.0E-03	1,132,608	1,183,847	177	43,284	19,714	6
M,P-XYLENE (SUM OF ISOMERS)							
12/5/2003	0.0E+00						5
3/29/2004	5.5E-03	1,132,732	1,183,749	201	32,461	16,166	6
6/25/2004	0.0E+00						5
9/16/2004	6.8E-03	1,132,699	1,183,749	170	41,191	14,635	6
12/14/2004	0.0E+00						5
4/1/2005	0.0E+00						5
6/22/2005	2.4E-03	1,132,649	1,183,832	183	41,152	21,622	6
9/8/2005	1.3E-03	1,132,696	1,183,904	269	24,155	21,623	6
12/19/2005	1.3E-03	1,132,696	1,183,904	269	24,155	21,623	6
3/14/2006	0.0E+00						5
6/19/2006	0.0E+00						4
12/18/2006	0.0E+00						4
4/3/2007	1.3E-03	1,132,696	1,183,904	269	24,155	21,623	6
9/26/2007	1.3E-03	1,132,696	1,183,904	269	24,155	21,623	6
4/1/2008	1.3E-03	1,132,696	1,183,904	269	24,155	21,623	6
9/17/2008	1.3E-03	1,132,696	1,183,904	269	24,155	21,623	6
4/17/2009	1.3E-03	1,132,696	1,183,904	269	24,155	21,623	6
3/30/2010	1.3E-03	1,132,696	1,183,904	269	24,155	21,623	6
6/16/2011	1.3E-03	1,132,696	1,183,904	269	24,155	21,623	6
6/26/2012	1.3E-03	1,132,696	1,183,904	269	24,155	21,623	6

Project: Landfill 1

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

Moment Type	Constituent	Coefficient of Variation	Mann-Kendall S Statistic	Confidence in Trend	Moment Trend
Zeroth Moment: Mass					
	1,2,4-TRIMETHYLBENZENE	2.01	19	71.8%	NT
	1,3,5-TRIMETHYLBENZENE (MESI	1.00	19	71.8%	NT
	1,4-DICHLOROBENZENE	1.05	32	82.3%	NT
	CHLOROBENZENE	0.92	24	75.4%	NT
	M,P-XYLENE (SUM OF ISOMERS)	1.27	21	74.0%	NT
1st Moment: Distance to Source					
	1,2,4-TRIMETHYLBENZENE	0.19	36	98.5%	I
	1,3,5-TRIMETHYLBENZENE (MESI	0.21	22	89.8%	NT
	1,4-DICHLOROBENZENE	0.11	0	47.6%	S
	CHLOROBENZENE	0.15	36	98.5%	I
	M,P-XYLENE (SUM OF ISOMERS)	0.15	48	99.9%	I
2nd Moment: Sigma XX					
	1,2,4-TRIMETHYLBENZENE	0.29	-36	98.5%	D
	1,3,5-TRIMETHYLBENZENE (MESI	0.32	-26	93.6%	PD
	1,4-DICHLOROBENZENE	0.31	0	47.6%	S
	CHLOROBENZENE	0.15	-36	98.5%	D
	M,P-XYLENE (SUM OF ISOMERS)	0.24	-38	98.9%	D
2nd Moment: Sigma YY					
	1,2,4-TRIMETHYLBENZENE	0.19	38	98.9%	I
	1,3,5-TRIMETHYLBENZENE (MESI	0.08	16	81.6%	NT
	1,4-DICHLOROBENZENE	0.13	-12	74.5%	S
	CHLOROBENZENE	0.10	42	99.5%	I
	M,P-XYLENE (SUM OF ISOMERS)	0.11	42	99.5%	I

Note: The following assumptions were applied for the calculation of the Zeroth Moment:

Porosity: 0.35 **Saturated Thickness:** Uniform: 8.5 ft

Mann-Kendall Trend test performed on all sample events for each constituent. Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)-Due to insufficient Data (< 4 sampling events).

Note: The Sigma XX and Sigma YY components are estimated using the given field coordinate system and then rotated to align with the estimated groundwater flow direction. Moments are not calculated for sample events with less than 6 wells.

MAROS Plume Analysis Summary

Project: Landfill 1
Location: Griffiss AFB

User Name: Josh Wenzel
State: New York

Time Period: 12/5/2003 **to** 6/26/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Constituent	Well	Source/ Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
1,2,4-TRIMETHYLBENZENE											
	LF1MW-103	T	13	0	1.2E-05	1.2E-05	Yes	ND	ND	N/A	N/A
	LF1MW-11	S	20	2	5.3E-05	1.2E-05	No	NT	PD	N/A	N/A
	LF1MW-12	T	18	0	1.2E-05	1.2E-05	Yes	ND	ND	N/A	N/A
	LF1MW-5	S	20	8	5.3E-03	1.2E-05	No	D	D	N/A	N/A
	LF1P--2	S	20	5	5.6E-04	1.2E-05	No	D	D	N/A	N/A
	MWSAR03	T	20	0	1.2E-05	1.2E-05	Yes	ND	ND	N/A	N/A
1,3,5-TRIMETHYLBENZENE (MESITYLENE)											
	LF1MW-103	T	13	0	1.3E-05	1.3E-05	Yes	ND	ND	N/A	N/A
	LF1MW-11	S	20	1	1.7E-05	1.3E-05	No	NT	NT	N/A	N/A
	LF1MW-12	T	18	0	1.3E-05	1.3E-05	Yes	ND	ND	N/A	N/A
	LF1MW-5	S	20	6	1.4E-03	1.3E-05	No	D	D	N/A	N/A
	LF1P--2	S	20	1	2.6E-05	1.3E-05	No	NT	NT	N/A	N/A
	MWSAR03	T	20	0	1.3E-05	1.3E-05	Yes	ND	ND	N/A	N/A
1,4-DICHLOROBENZENE											
	LF1MW-103	T	13	1	3.0E-05	1.7E-05	No	NT	D	N/A	N/A
	LF1MW-11	S	21	21	1.0E-02	1.0E-02	No	D	D	N/A	N/A
	LF1MW-12	T	19	2	3.4E-05	1.7E-05	No	NT	NT	N/A	N/A
	LF1MW-5	S	21	21	8.2E-04	6.5E-04	No	D	D	N/A	N/A
	LF1P--2	S	21	21	1.8E-03	1.7E-03	No	PI	I	N/A	N/A
	MWSAR03	T	21	16	9.2E-04	6.2E-04	No	S	S	N/A	N/A

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Constituent	Well	Source/ Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
CHLOROBENZENE											
CHLOROBENZENE											
	LF1MW-103	T	13	0	1.1E-05	1.1E-05	Yes	ND	ND	N/A	N/A
	LF1MW-11	S	21	21	9.9E-03	1.0E-02	No	D	D	N/A	N/A
	LF1MW-12	T	18	0	1.1E-05	1.1E-05	Yes	ND	ND	N/A	N/A
	LF1MW-5	S	21	21	1.8E-03	1.8E-03	No	D	D	N/A	N/A
	LF1P--2	S	21	21	2.2E-03	2.0E-03	No	D	D	N/A	N/A
	MWSAR03	T	21	4	5.5E-05	1.1E-05	No	NT	NT	N/A	N/A
M,P-XYLENE (SUM OF ISOMERS)											
	LF1MW-103	T	13	0	2.8E-05	2.8E-05	Yes	ND	ND	N/A	N/A
	LF1MW-11	S	20	0	2.8E-05	2.8E-05	Yes	ND	ND	N/A	N/A
	LF1MW-12	T	18	0	2.8E-05	2.8E-05	Yes	ND	ND	N/A	N/A
	LF1MW-5	S	20	7	2.6E-03	2.8E-05	No	D	D	N/A	N/A
	LF1P--2	S	20	4	4.3E-04	2.8E-05	No	D	D	N/A	N/A
	MWSAR03	T	20	0	2.8E-05	2.8E-05	Yes	ND	ND	N/A	N/A

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Sampling Frequency Optimization Results

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

The Overall Number of Sampling Events: 21

"Recent Period" defined by events: **From** Sample Event 1 (12/5/2003) **To** Sample Event 21 (6/26/2012)

"Rate of Change" parameters used:

Constituent	Cleanup Goal	Low Rate	Medium Rate	High Rate
1,2,4-TRIMETHYLBENZENE	0.005	0.0025	0.005	0.01
1,3,5-TRIMETHYLBENZENE (ME	0.005	0.0025	0.005	0.01
1,4-DICHLOROBENZENE	0.003	0.0015	0.003	0.006
CHLOROBENZENE	0.005	0.0025	0.005	0.01
M,P-XYLENE (SUM OF ISOMER	0.005	0.0025	0.005	0.01

Units: Cleanup Goal is in mg/L; all rate parameters are in mg/L/year.

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
1,2,4-TRIMETHYLBENZENE			
LF1MW-103	Biennial	Annual	Annual
LF1MW-11	Biennial	Annual	Annual
LF1MW-12	Biennial	Annual	Annual
LF1MW-5	Annual	Annual	Annual
LF1P--2	Annual	Annual	Annual
MWSAR03	Biennial	Annual	Annual
1,3,5-TRIMETHYLBENZENE (MESITYLENE)			
LF1MW-103	Biennial	Annual	Annual
LF1MW-11	Biennial	Annual	Annual
LF1MW-12	Biennial	Annual	Annual
LF1MW-5	Annual	Annual	Annual
LF1P--2	Biennial	Annual	Annual
MWSAR03	Biennial	Annual	Annual
1,4-DICHLOROBENZENE			
LF1MW-103	Biennial	Annual	Annual
LF1MW-11	Annual	Annual	Annual
LF1MW-12	Biennial	Annual	Annual
LF1MW-5	Annual	Annual	Annual

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
LF1P--2	Annual	Annual	Annual
MWSAR03	Annual	Annual	Annual
CHLOROBENZENE			
LF1MW-103	Biennial	Annual	Annual
LF1MW-11	Annual	Annual	Annual
LF1MW-12	Biennial	Annual	Annual
LF1MW-5	Annual	Annual	Annual
LF1P--2	Annual	Annual	Annual
MWSAR03	Biennial	Annual	Annual
M,P-XYLENE (SUM OF ISOMERS)			
LF1MW-103	Biennial	Annual	Annual
LF1MW-11	Biennial	Annual	Annual
LF1MW-12	Biennial	Annual	Annual
LF1MW-5	Annual	Annual	Annual
LF1P--2	Annual	Annual	Annual
MWSAR03	Biennial	Annual	Annual

Note: Sampling frequency is determined considering both recent and overall concentration trends. Sampling Frequency is the final recommendation; Frequency Based on Recent Data is the frequency determined using recent (short) period of monitoring data; Frequency Based on Overall Data is the frequency determined using overall (long) period of monitoring data. If the "recent period" is defined using a different series of sampling events, the results could be different.

MAROS Sampling Location Optimization

Results by Considering All COCs

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Sampling Events Analyzed: **From** Sample Event 1 (12/5/2003) **to** Sample Event 21 (6/26/2012)

Well	X (feet)	Y (feet)	Number of COCs	COC-Averaged Slope Factor*	Abandoned?
LF1MW-103	1132550.88	1183707.25	5	0.478	☐
LF1MW-11	1132207.50	1184166.38	5	0.441	☐
LF1MW-12	1132127.88	1184381.00	5	0.500	☐
LF1MW-5	1132374.13	1183506.38	5	0.234	☐
LF1P--2	1132543.00	1183682.00	5	0.434	☐
MWSAR03	1133585.00	1183824.38	5	0.295	☐

Note: the COC-Averaged Slope Factor is the value calculated by averaging those "Average Slope Factor" obtained earlier across COCs; to be conservative, a location is "abandoned" only when it is eliminated from all COCs; "abandoned" doesn't necessarily mean the abandon of well, it can mean that NO samples need to be collected for any COCs.
* When the report is generated after running the Excel module, SF values will NOT be shown above.

MAROS Sampling Location Optimization Results

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Sampling Events Analyzed: **From** Sample Event 1 (12/5/2003) **to** Sample Event 21 (6/26/2012)

Parameters used:

Constituent	Inside SF	Hull SF	Area Ratio	Conc. Ratio
1,2,4-TRIMETHYLBENZENE	0.1	0.01	0.95	0.95
1,3,5-TRIMETHYLBENZENE (ME	0.1	0.01	0.95	0.95
1,4-DICHLOROBENZENE	0.1	0.01	0.95	0.95
CHLOROBENZENE	0.1	0.01	0.95	0.95
M,P-XYLENE (SUM OF ISOMER	0.1	0.01	0.95	0.95

Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
1,2,4-TRIMETHYLBENZENE							
LF1MW-103	1132550.88	1183707.25	☑	0.247	0.000	0.964	☐
LF1MW-11	1132207.50	1184166.38	☑	0.232	0.000	0.884	☐
LF1MW-12	1132127.88	1184381.00	☑	0.268	0.000	0.956	☐
LF1MW-5	1132374.13	1183506.38	☑	0.258	0.000	0.963	☐
LF1P--2	1132543.00	1183682.00	☑	0.227	0.000	0.819	☐
MWSAR03	1133585.00	1183824.38	☑	0.137	0.000	0.919	☐
1,3,5-TRIMETHYLBENZENE (MESITYLENE)							
LF1MW-103	1132550.88	1183707.25	☑	0.162	0.000	0.671	☐
LF1MW-11	1132207.50	1184166.38	☑	0.247	0.000	0.886	☐
LF1MW-12	1132127.88	1184381.00	☑	0.250	0.000	0.861	☐
LF1MW-5	1132374.13	1183506.38	☑	0.260	0.000	0.960	☐
LF1P--2	1132543.00	1183682.00	☑	0.151	0.000	0.698	☐
MWSAR03	1133585.00	1183824.38	☑	0.048	0.000	0.627	☐
1,4-DICHLOROBENZENE							
LF1MW-103	1132550.88	1183707.25	☑	0.862	0.452	0.904	☐
LF1MW-11	1132207.50	1184166.38	☑	0.768	0.593	0.833	☐
LF1MW-12	1132127.88	1184381.00	☑	0.884	0.504	0.922	☐
LF1MW-5	1132374.13	1183506.38	☑	0.143	0.009	0.369	☐
LF1P--2	1132543.00	1183682.00	☑	0.785	0.426	0.847	☐
MWSAR03	1133585.00	1183824.38	☑	0.385	0.009	0.837	☐
CHLOROBENZENE							

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
LF1MW-103	1132550.88	1183707.25	☑	0.982	0.980	0.984	☐
LF1MW-11	1132207.50	1184166.38	☑	0.852	0.814	0.870	☐
LF1MW-12	1132127.88	1184381.00	☑	0.985	0.984	0.986	☐
LF1MW-5	1132374.13	1183506.38	☑	0.351	0.108	0.436	☐
LF1P--2	1132543.00	1183682.00	☑	0.891	0.876	0.902	☐
MWSAR03	1133585.00	1183824.38	☑	0.831	0.039	0.972	☐
M,P-XYLENE (SUM OF ISOMERS)							
LF1MW-103	1132550.88	1183707.25	☑	0.136	0.000	0.787	☐
LF1MW-11	1132207.50	1184166.38	☑	0.107	0.000	0.527	☐
LF1MW-12	1132127.88	1184381.00	☑	0.114	0.000	0.558	☐
LF1MW-5	1132374.13	1183506.38	☑	0.158	0.000	0.797	☐
LF1P--2	1132543.00	1183682.00	☑	0.118	0.000	0.704	☐
MWSAR03	1133585.00	1183824.38	☑	0.074	0.000	0.530	☐

Note: The Slope Factor indicates the relative importance of a well in the monitoring network at a given sampling event; the larger the SF value of a well, the more important the well is and vice versa; the Average Slope Factor measures the overall well importance in the selected time period; the state coordinates system (i.e., X and Y refer to Easting and Northing respectively) or local coordinates systems may be used; wells that are NOT selected for analysis are not shown above.
* When the report is generated after running the Excel module, SF values will NOT be shown above.

MAROS Site Results

Project: Landfill 1 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

User Defined Site and Data Assumptions:

Hydrogeology and Plume Information:

Groundwater Seepage Velocity: 397 ft/yr

Current Plume Length: 244 ft

Current Plume Width 681 ft

Number of Tail Wells: 3

Number of Source Wells: 3

Down-gradient Information:

Distance from Edge of Tail to Nearest:

Down-gradient receptor: 399 ft

Down-gradient property: 399 ft

Distance from Source to Nearest:

Down-gradient receptor: 642.5 ft

Down-gradient property: 642.5 ft

Source Information:

Source Treatment: No Current Site Treatment

NAPL is not observed at this site.

Data Consolidation Assumptions:

Time Period: 12/5/2003 **to** 6/26/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Plume Information Weighting Assumptions:

Consolidation Step 1. Weight Plume Information by Chemical
Summary Weighting: Weighting Applied to All Chemicals Equally
Consolidation Step 2. Weight Well Information by Chemical
Well Weighting: No Weighting of Wells was Applied.
Chemical Weighting: No Weighting of Chemicals was Applied.

Note: These assumptions were made when consolidating the historical montoring data and lumping the Wells and COCs.

1. Compliance Monitoring/Remediation Optimization Results:

Preliminary Monitoring System Optimization Results: Based on site classification, source treatment and Monitoring System Category the following suggestions are made for site Sampling Frequency, Duration of Sampling before reassessment, and Well Density. These criteria take into consideration: Plume Stability, Type of Plume, and Groundwater Velocity.

COC	Tail Stability	Source Stability	Level of Effort	Sampling Duration	Sampling Frequency	Sampling Density
1,2,4-TRIMETHYLBENZENE	ND	PD		Sample 2 more years		14
1,3,5-TRIMETHYLBENZENE (MESITYLENE)	ND	S		Sample 4 more years		14
1,4-DICHLOROBENZENE	S	PD	M	Sample 4 more years	Quarterly	14
CHLOROBENZENE	D	D	L	End Sampling	Close site	14
M,P-XYLENE (SUM OF ISOMERS)	ND	D		Sample 2 more years		14

Note:

Plume Status: (I) Increasing; (PI)Probably Increasing; (S) Stable; (NT) No Trend; (PD) Probably Decreasing; (D) Decreasing

Design Categories: (E) Extensive; (M) Moderate; (L) Limited (N/A) Not Applicable, Insufficient Data Available

Level of Monitoring Effort Indicated by Analysis Moderate

2. Spatial Moment Analysis Results:

Moment Type	Constituent	Coefficient of Variation	Mann-Kendall S Statistic	Confidence in Trend	Moment Trend
Zeroth Moment: Mass					
	1,2,4-TRIMETHYLBENZENE	2.01	19	71.8%	NT
	1,3,5-TRIMETHYLBENZENE (MESI	1.00	19	71.8%	NT
	1,4-DICHLOROBENZENE	1.05	32	82.3%	NT
	CHLOROBENZENE	0.92	24	75.4%	NT
	M,P-XYLENE (SUM OF ISOMERS)	1.27	21	74.0%	NT
1st Moment: Distance to Source					
	1,2,4-TRIMETHYLBENZENE	0.19	36	98.5%	I
	1,3,5-TRIMETHYLBENZENE (MESI	0.21	22	89.8%	NT
	1,4-DICHLOROBENZENE	0.11	0	47.6%	S
	CHLOROBENZENE	0.15	36	98.5%	I
	M,P-XYLENE (SUM OF ISOMERS)	0.15	48	99.9%	I
2nd Moment: Sigma XX					
	1,2,4-TRIMETHYLBENZENE	0.29	-36	98.5%	D
	1,3,5-TRIMETHYLBENZENE (MESI	0.32	-26	93.6%	PD
	1,4-DICHLOROBENZENE	0.31	0	47.6%	S
	CHLOROBENZENE	0.15	-36	98.5%	D
	M,P-XYLENE (SUM OF ISOMERS)	0.24	-38	98.9%	D
2nd Moment: Sigma YY					
	1,2,4-TRIMETHYLBENZENE	0.19	38	98.9%	I
	1,3,5-TRIMETHYLBENZENE (MESI	0.08	16	81.6%	NT
	1,4-DICHLOROBENZENE	0.13	-12	74.5%	S
	CHLOROBENZENE	0.10	42	99.5%	I
	M,P-XYLENE (SUM OF ISOMERS)	0.11	42	99.5%	I

Note: The following assumptions were applied for the calculation of the Zeroth Moment:

Porosity: 0.35 **Saturated Thickness:** Uniform: 8.5 ft

Mann-Kendall Trend test performed on all sample events for each constituent. Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)-Due to insufficient Data (< 4 sampling events).

MAROS Linear Regression Statistics Summary

Project: Landfill 6

User Name: Josh Wenzel

Location: Griffiss AFB

State: New York

Time Period: 6/27/2006 **to** 6/19/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Well	Source/ Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence in Trend	Concentration Trend
BICARBONATE									
775VMW-10	S	2.3E+02	2.2E+02	4.5E+01	No	-3.3E-06	0.19	100.0%	D
775VMW-18R	T	5.4E+02	5.1E+02	1.2E+02	No	-2.6E-04	0.22	99.9%	D
775VMW-20R	T	2.5E+02	2.6E+02	3.3E+01	No	3.3E-06	0.13	100.0%	I
LF6MW-1	T	2.9E+02	2.4E+02	1.8E+02	No	-3.9E-04	0.60	95.1%	D
LF6MW-12	S	3.7E+02	4.2E+02	1.6E+02	No	2.7E-04	0.43	79.0%	NT
LF6VMW-10R	T	1.3E+02	1.1E+02	7.5E+01	No	8.0E-05	0.60	71.2%	NT
LF6VMW-17D	T	1.2E+02	1.2E+02	2.1E+01	No	-1.4E-04	0.18	97.2%	D
LF6VMW-17S	T	5.0E+01	4.0E+01	3.1E+01	No	-3.7E-05	0.62	57.1%	S
LF6VMW-18	T	3.5E+02	3.5E+02	3.0E+01	No	-5.8E-05	0.08	96.0%	D
LF6VMW-19	T	2.3E+02	2.2E+02	6.4E+01	No	2.5E-04	0.28	99.0%	I
LF6VMW-20	T	2.6E+02	2.1E+02	1.4E+02	No	-7.6E-04	0.55	100.0%	D
LF6VMW-21	T	1.0E+02	9.8E+01	2.3E+01	No	8.0E-05	0.23	82.8%	NT
LF6VMW-22	T	2.0E+02	2.0E+02	7.8E+01	No	-6.3E-04	0.38	74.0%	S
LF6VMW-23	T	2.5E+02	2.5E+02	3.8E+01	No	2.4E-05	0.15	65.7%	NT
LF6VMW-24	T	2.3E+02	2.2E+02	7.2E+01	No	4.5E-04	0.31	100.0%	I
LF6VMW-25	T	4.1E+02	4.4E+02	1.6E+02	No	4.3E-04	0.39	83.6%	NT
LF6VMW-26	S	3.6E+02	3.6E+02	3.5E+01	No	9.8E-05	0.10	99.7%	I
RV-LF6LH-1	T	2.3E+02	2.2E+02	7.8E+01	No	1.7E-05	0.34	55.1%	NT
RV-LF6LH-2	T	2.4E+02	2.5E+02	3.4E+01	No	-2.6E-05	0.14	64.3%	S
RV-LF6SW-1	T	2.9E+02	3.0E+02	4.8E+01	No	-3.8E-05	0.17	68.7%	S
RV-LF6SW-2	T	2.9E+02	3.0E+02	4.9E+01	No	-2.6E-05	0.17	62.6%	S
RV-LF6SW-3	T	2.8E+02	2.9E+02	4.5E+01	No	-1.7E-05	0.16	58.5%	S
TMCMW-9	T	5.3E+02	5.4E+02	5.1E+01	No	-1.0E-04	0.09	99.9%	D
TMC-USGS-2	T	2.2E+02	2.0E+02	4.5E+01	No	-5.5E-05	0.20	76.6%	S
WT-LF6WT-1	T	2.9E+02	2.3E+02	1.2E+02	No	3.4E-04	0.43	79.7%	NT
CARBONATE (AS CO3)									
775VMW-10	S	1.2E+02	1.1E+02	5.0E+01	No	2.1E-04	0.40	96.8%	I
775VMW-18R	T	1.4E+02	1.4E+02	1.8E+01	No	1.5E-04	0.12	100.0%	I
775VMW-20R	T	1.8E+02	1.8E+02	1.2E+01	No	-5.5E-05	0.07	98.7%	D
LF6MW-1	T	3.1E+02	3.2E+02	4.8E+01	No	-3.8E-05	0.16	71.6%	S
LF6MW-12	S	3.2E+02	3.3E+02	7.6E+01	No	5.6E-05	0.23	67.5%	NT
LF6VMW-10R	T	8.5E+01	8.2E+01	5.9E+00	No	1.6E-05	0.07	71.6%	NT
LF6VMW-17D	T	1.1E+02	1.1E+02	2.0E+01	No	-2.2E-04	0.18	100.0%	D
LF6VMW-17S	T	3.2E+00	3.8E+00	1.2E+00	No	0.0E+00	0.00	0.0%	N/A
LF6VMW-18	T	2.5E+02	2.5E+02	1.9E+01	No	-4.7E-05	0.08	93.5%	PD
LF6VMW-19	T	1.7E+02	1.5E+02	6.3E+01	No	3.0E-04	0.38	98.8%	I
LF6VMW-20	T	1.6E+02	1.6E+02	2.1E+01	No	1.7E-04	0.13	100.0%	I
LF6VMW-21	T	1.0E+02	1.0E+02	1.5E+01	No	1.2E-04	0.15	97.9%	I

Project: Landfill 6 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	Source/ Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence in Trend	Concentration Trend
CARBONATE (AS CO3)									
LF6VMW-22	T	1.8E+02	1.9E+02	4.0E+01	No	1.2E-04	0.22	90.1%	PI
LF6VMW-23	T	2.1E+02	2.0E+02	5.2E+01	No	1.0E-04	0.24	89.1%	NT
LF6VMW-24	T	1.3E+02	1.3E+02	1.2E+01	No	-8.6E-05	0.09	99.2%	D
LF6VMW-25	T	3.6E+02	3.7E+02	6.9E+01	No	3.1E-05	0.19	60.4%	NT
LF6VMW-26	S	2.4E+02	2.4E+02	2.3E+01	No	-9.5E-05	0.10	99.7%	D
RV-LF6LH-1	T	1.8E+02	1.9E+02	2.5E+01	No	1.4E-04	0.14	98.9%	I
RV-LF6LH-2	T	1.7E+02	1.7E+02	1.9E+01	No	-1.6E-04	0.11	99.9%	D
RV-LF6SW-1	T	2.1E+02	2.2E+02	3.9E+01	No	3.6E-06	0.18	100.0%	I
RV-LF6SW-2	T	2.1E+02	2.2E+02	3.9E+01	No	2.2E-05	0.18	59.6%	NT
RV-LF6SW-3	T	2.1E+02	2.2E+02	3.3E+01	No	3.2E-06	0.16	100.0%	I
TMCMW-9	T	4.9E+02	5.0E+02	3.2E+01	No	-5.5E-05	0.06	98.9%	D
TMC-USGS-2	T	1.6E+02	1.6E+02	2.8E+01	No	-7.8E-05	0.17	87.8%	S
WT-LF6WT-1	T	2.7E+02	1.9E+02	1.2E+02	No	2.9E-04	0.46	74.8%	NT
NITROGEN									
775VMW-10	S	2.1E+00	1.9E+00	9.7E-01	No	-5.8E-04	0.46	100.0%	D
775VMW-18R	T	3.6E+00	3.5E+00	3.9E-01	No	-1.2E-06	0.11	100.0%	D
775VMW-20R	T	3.1E-02	1.0E-02	4.9E-02	No	-1.7E-05	1.58	51.7%	NT
LF6MW-1	T	1.0E+00	9.4E-01	3.2E-01	No	1.4E-04	0.31	91.2%	PI
LF6MW-12	S	1.4E-02	1.0E-02	1.1E-02	No	-2.2E-04	0.76	87.0%	S
LF6VMW-10R	T	4.4E-01	3.4E-01	2.9E-01	No	8.5E-04	0.67	99.8%	I
LF6VMW-17D	T	1.7E-01	1.6E-01	5.2E-02	No	-2.3E-04	0.32	78.9%	S
LF6VMW-17S	T	2.4E+00	2.0E+00	1.3E+00	No	6.5E-04	0.52	100.0%	I
LF6VMW-18	T	7.8E-02	4.8E-02	8.5E-02	No	-1.6E-03	1.09	100.0%	D
LF6VMW-19	T	1.5E+00	1.4E+00	1.1E+00	No	6.6E-04	0.72	99.9%	I
LF6VMW-20	T	1.7E+00	9.9E-01	2.8E+00	No	4.7E-04	1.66	91.3%	PI
LF6VMW-21	T	1.1E+00	8.3E-01	5.9E-01	No	5.0E-04	0.52	100.0%	I
LF6VMW-22	T	1.1E+00	1.1E+00	4.9E-01	No	5.1E-04	0.43	99.6%	I
LF6VMW-23	T	1.2E+00	7.2E-01	1.2E+00	No	3.4E-04	1.06	89.5%	NT
LF6VMW-24	T	1.2E-02	1.0E-02	7.3E-03	No	-1.3E-04	0.62	81.2%	S
LF6VMW-25	T	3.2E-02	2.3E-02	2.5E-02	No	1.5E-04	0.79	67.5%	NT
LF6VMW-26	S	1.8E-02	1.0E-02	1.6E-02	No	5.4E-04	0.88	97.9%	I
RV-LF6LH-1	T	1.3E-02	1.0E-02	5.0E-03	No	5.2E-05	0.40	64.0%	NT
RV-LF6LH-2	T	1.9E-02	1.0E-02	1.8E-02	No	4.0E-04	0.97	90.9%	PI
RV-LF6SW-1	T	4.9E-01	4.8E-01	3.3E-01	No	-6.4E-04	0.69	87.1%	S
RV-LF6SW-2	T	4.3E-01	4.4E-01	2.9E-01	No	-6.5E-04	0.69	88.2%	S
RV-LF6SW-3	T	4.0E-01	3.8E-01	2.6E-01	No	-5.9E-04	0.66	87.0%	S
TMCMW-9	T	7.1E-01	3.3E-01	7.0E-01	No	3.9E-04	0.99	70.4%	NT
TMC-USGS-2	T	2.1E-01	5.1E-02	5.8E-01	No	7.9E-04	2.71	93.8%	PI
WT-LF6WT-1	T	1.9E+00	2.4E-01	4.5E+00	No	1.5E-03	2.42	71.2%	NT
TOTAL ORGANIC CARBON									
775VMW-10	S	4.6E-01	4.8E-01	3.1E-01	No	-5.4E-05	0.68	56.7%	S
775VMW-18R	T	6.9E-01	6.6E-01	1.5E-01	No	8.8E-05	0.22	82.8%	NT
775VMW-20R	T	5.8E-01	5.5E-01	3.7E-01	No	-2.4E-04	0.64	78.3%	S
LF6MW-1	T	1.7E+00	1.7E+00	5.4E-01	No	-1.8E-04	0.31	91.3%	PD
LF6MW-12	S	4.7E+00	1.8E+00	7.7E+00	No	4.6E-04	1.64	90.3%	PI
LF6VMW-10R	T	9.6E-01	5.0E-01	1.8E+00	No	4.4E-04	1.93	84.5%	NT
LF6VMW-17D	T	5.4E-01	5.3E-01	2.6E-01	No	-3.8E-04	0.48	93.2%	PD
LF6VMW-17S	T	4.9E+00	4.5E+00	1.9E+00	No	8.4E-05	0.38	71.9%	NT

Project: Landfill 6 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	Source/ Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence in Trend	Concentration Trend
TOTAL ORGANIC CARBON									
LF6VMW-18	T	9.0E-01	7.5E-01	6.1E-01	No	-2.2E-04	0.68	82.2%	S
LF6VMW-19	T	8.4E-01	8.1E-01	3.9E-01	No	1.8E-04	0.47	77.8%	NT
LF6VMW-20	T	5.2E-01	5.3E-01	2.7E-01	No	-3.5E-04	0.53	89.7%	S
LF6VMW-21	T	3.5E-01	1.6E-01	2.4E-01	No	-2.6E-06	0.69	100.0%	D
LF6VMW-22	T	7.6E-01	7.0E-01	3.1E-01	No	1.4E-04	0.41	75.2%	NT
LF6VMW-23	T	8.5E-01	8.1E-01	4.4E-01	No	2.8E-05	0.51	55.9%	NT
LF6VMW-24	T	4.8E-01	5.0E-01	2.6E-01	No	-1.1E-04	0.55	64.0%	S
LF6VMW-25	T	3.2E+00	3.3E+00	4.1E-01	No	-1.8E-04	0.13	100.0%	D
LF6VMW-26	S	7.3E-01	7.1E-01	3.1E-01	No	-1.3E-04	0.42	70.3%	S
RV-LF6LH-1	T	3.1E+00	2.3E+00	2.7E+00	No	8.2E-04	0.89	97.8%	I
RV-LF6LH-2	T	1.7E+00	7.4E-01	2.0E+00	No	4.9E-04	1.18	78.9%	NT
RV-LF6SW-1	T	3.3E+00	2.8E+00	1.3E+00	No	-1.8E-04	0.40	87.7%	S
RV-LF6SW-2	T	3.3E+00	3.4E+00	9.9E-01	No	-2.4E-04	0.30	97.0%	D
RV-LF6SW-3	T	3.1E+00	2.7E+00	1.1E+00	No	-1.5E-04	0.37	85.6%	S
TMCMW-9	T	3.4E+00	3.3E+00	2.9E-01	No	-3.7E-05	0.09	85.6%	S
TMC-USGS-2	T	5.3E-01	5.2E-01	4.4E-01	No	3.4E-04	0.83	84.5%	NT
WT-LF6WT-1	T	5.9E+00	5.9E+00	1.3E+00	No	1.7E-05	0.22	52.9%	NT

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Non-detect (ND); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); COV = Coefficient of Variation

MAROS Mann-Kendall Statistics Summary

Project: Landfill 6
User Name: Josh Wenzel
Location: Griffiss AFB
State: New York

Time Period: 6/27/2006 **to** 6/19/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Well	Source/ Tail	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
BICARBONATE								
775VMW-10	S	18	18	0.19	-3	53.0%	No	S
775VMW-18R	T	18	18	0.22	-78	99.9%	No	D
775VMW-20R	T	18	18	0.13	48	96.3%	No	I
LF6MW-1	T	18	18	0.60	-57	98.4%	No	D
LF6MW-12	S	18	18	0.43	40	92.9%	No	PI
LF6VMW-10R2	T	18	18	0.60	43	94.4%	No	PI
LF6VMW-17D	T	18	18	0.18	-66	99.4%	No	D
LF6VMW-17S	T	17	17	0.62	-2	51.6%	No	S
LF6VMW-18	T	18	18	0.08	-41	93.4%	No	PD
LF6VMW-19	T	18	18	0.28	70	99.7%	No	I
LF6VMW-20	T	18	18	0.55	-121	100.0%	No	D
LF6VMW-21	T	18	18	0.23	23	79.5%	No	NT
LF6VMW-22	T	18	18	0.38	40	92.9%	No	PI
LF6VMW-23	T	18	18	0.15	1	50.0%	No	NT
LF6VMW-24	T	18	18	0.31	141	100.0%	No	I
LF6VMW-25	T	18	18	0.39	8	60.3%	No	NT
LF6VMW-26	S	18	18	0.10	68	99.6%	No	I
RV-LF6LH-1	T	16	16	0.34	11	67.1%	No	NT
RV-LF6LH-2	T	16	16	0.14	25	85.7%	No	NT
RV-LF6SW-1	T	13	13	0.17	-12	74.5%	No	S
RV-LF6SW-2	T	13	13	0.17	-10	70.5%	No	S
RV-LF6SW-3	T	13	13	0.16	-9	68.4%	No	S
TMCMW-9	T	18	18	0.09	-67	99.5%	No	D
TMC-USGS-2	T	18	18	0.20	-34	89.3%	No	S
WT-LF6WT-1	T	7	7	0.43	8	84.5%	No	NT
CARBONATE (AS CO3)								
775VMW-10	S	18	18	0.40	0	48.5%	No	S
775VMW-18R	T	18	18	0.12	77	99.9%	No	I
775VMW-20R	T	18	18	0.07	-62	99.0%	No	D
LF6MW-1	T	18	18	0.16	-9	61.7%	No	S
LF6MW-12	S	18	18	0.23	-11	64.6%	No	S
LF6VMW-10R2	T	18	18	0.07	-21	77.3%	No	S
LF6VMW-17D	T	18	18	0.18	-88	100.0%	No	D
LF6VMW-17S	T	3	3	0.00	0	0.0%	No	N/A
LF6VMW-18	T	18	18	0.08	-55	98.0%	No	D
LF6VMW-19	T	18	18	0.38	78	99.9%	No	I
LF6VMW-20	T	18	18	0.13	97	100.0%	No	I

Project: Landfill 6

User Name: Josh Wenzel

Location: Griffiss AFB

State: New York

Well	Source/ Tail	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
CARBONATE (AS CO3)								
LF6VMW-21	T	18	18	0.15	55	98.0%	No	I
LF6VMW-22	T	18	18	0.22	43	94.4%	No	PI
LF6VMW-23	T	18	18	0.24	59	98.7%	No	I
LF6VMW-24	T	18	18	0.09	-38	91.8%	No	PD
LF6VMW-25	T	18	18	0.19	-64	99.2%	No	D
LF6VMW-26	S	18	18	0.10	-83	99.9%	No	D
RV-LF6LH-1	T	16	16	0.14	56	99.4%	No	I
RV-LF6LH-2	T	16	16	0.11	-64	99.8%	No	D
RV-LF6SW-1	T	13	13	0.18	-1	50.0%	No	S
RV-LF6SW-2	T	13	13	0.18	-2	52.4%	No	S
RV-LF6SW-3	T	13	13	0.16	4	57.1%	No	NT
TMCMW-9	T	18	18	0.06	-63	99.1%	No	D
TMC-USGS-2	T	18	18	0.17	-27	83.5%	No	S
WT-LF6WT-1	T	7	7	0.46	8	84.5%	No	NT
NITROGEN								
775VMW-10	S	18	18	0.46	-120	100.0%	No	D
775VMW-18R	T	18	18	0.11	17	72.5%	No	NT
775VMW-20R	T	17	7	1.58	-3	53.2%	No	NT
LF6MW-1	T	18	18	0.31	23	79.5%	No	NT
LF6MW-12	S	17	3	0.76	-13	68.7%	No	S
LF6VMW-10R2	T	18	18	0.67	58	98.6%	No	I
LF6VMW-17D	T	18	17	0.32	-13	67.3%	No	S
LF6VMW-17S	T	18	18	0.52	100	100.0%	No	I
LF6VMW-18	T	18	11	1.09	-84	100.0%	No	D
LF6VMW-19	T	18	18	0.72	59	98.7%	No	I
LF6VMW-20	T	18	18	1.66	9	61.7%	No	NT
LF6VMW-21	T	18	18	0.52	87	100.0%	No	I
LF6VMW-22	T	18	18	0.43	70	99.7%	No	I
LF6VMW-23	T	18	18	1.06	3	53.0%	No	NT
LF6VMW-24	T	17	1	0.62	-10	64.2%	No	S
LF6VMW-25	T	18	12	0.79	22	78.4%	No	NT
LF6VMW-26	S	17	4	0.88	36	92.4%	No	PI
RV-LF6LH-1	T	16	5	0.40	14	71.8%	No	NT
RV-LF6LH-2	T	16	5	0.97	13	70.3%	No	NT
RV-LF6SW-1	T	13	12	0.69	-16	81.6%	No	S
RV-LF6SW-2	T	13	12	0.69	-18	84.7%	No	S
RV-LF6SW-3	T	13	12	0.66	-20	87.4%	No	S
TMCMW-9	T	18	16	0.99	22	78.4%	No	NT
TMC-USGS-2	T	18	16	2.71	62	99.0%	No	I
WT-LF6WT-1	T	7	5	2.42	0	43.7%	No	NT
TOTAL ORGANIC CARBON								
775VMW-10	S	18	10	0.68	-13	67.3%	No	S
775VMW-18R	T	18	18	0.22	18	73.8%	No	NT
775VMW-20R	T	17	13	0.64	-23	81.5%	No	S
LF6MW-1	T	18	18	0.31	-43	94.4%	No	PD
LF6MW-12	S	18	18	1.64	24	80.6%	No	NT
LF6VMW-10R2	T	17	12	1.93	4	54.8%	No	NT
LF6VMW-17D	T	18	14	0.48	-50	96.9%	No	D

Project: Landfill 6

User Name: Josh Wenzel

Location: Griffiss AFB

State: New York

Well	Source/ Tail	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
TOTAL ORGANIC CARBON								
LF6VMW-17S	T	18	18	0.38	0	48.5%	No	S
LF6VMW-18	T	18	17	0.68	-22	78.4%	No	S
LF6VMW-19	T	18	17	0.47	12	66.0%	No	NT
LF6VMW-20	T	18	13	0.53	-49	96.6%	No	D
LF6VMW-21	T	17	8	0.69	-4	54.8%	No	S
LF6VMW-22	T	18	17	0.41	13	67.3%	No	NT
LF6VMW-23	T	18	18	0.51	-7	58.9%	No	S
LF6VMW-24	T	16	11	0.55	-13	70.3%	No	S
LF6VMW-25	T	18	18	0.13	-94	100.0%	No	D
LF6VMW-26	S	18	16	0.42	-21	77.3%	No	S
RV-LF6LH-1	T	16	15	0.89	44	97.4%	No	I
RV-LF6LH-2	T	16	12	1.18	24	84.7%	No	NT
RV-LF6SW-1	T	13	13	0.40	-23	90.8%	No	PD
RV-LF6SW-2	T	13	13	0.30	-26	93.6%	No	PD
RV-LF6SW-3	T	13	13	0.37	-28	95.0%	No	D
TMCMW-9	T	18	18	0.09	-25	81.6%	No	S
TMC-USGS-2	T	18	11	0.83	10	63.2%	No	NT
WT-LF6WT-1	T	7	7	0.22	1	50.0%	No	NT

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)- Due to insufficient Data (< 4 sampling events); Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Spatial Moment Analysis Summary

Project: Landfill 6

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

	0th Moment	1st Moment (Center of Mass)			2nd Moment (Spread)		
Effective Date	Estimated Mass (Kg)	Xc (ft)	Yc (ft)	Source Distance (ft)	Sigma XX (sq ft)	Sigma YY (sq ft)	Number of Wells
BICARBONATE							
6/27/2006	6.4E+04	1,135,032	1,172,862	472	201,879	221,462	22
9/15/2006	3.0E+04	1,135,497	1,172,368	554	112,720	108,321	19
12/11/2006	4.0E+04	1,135,254	1,172,553	347	219,807	251,514	25
4/9/2007	5.9E+04	1,135,095	1,172,751	384	211,830	261,428	25
6/19/2007	6.2E+04	1,135,061	1,172,786	406	199,849	249,468	24
9/27/2007	2.9E+04	1,135,461	1,172,357	518	101,719	122,539	20
12/10/2007	6.5E+04	1,135,091	1,172,749	380	205,101	255,337	24
4/2/2008	5.5E+04	1,135,083	1,172,759	387	214,795	261,634	25
6/12/2008	5.7E+04	1,135,124	1,172,683	337	206,505	269,727	24
9/29/2008	3.1E+04	1,135,492	1,172,332	552	110,366	130,903	21
12/9/2008	3.0E+04	1,135,466	1,172,335	526	113,247	134,052	22
4/14/2009	5.9E+04	1,135,100	1,172,735	372	214,999	264,274	25
6/29/2009	5.9E+04	1,135,073	1,172,760	384	203,430	252,561	25
9/14/2009	3.0E+04	1,135,470	1,172,325	532	119,323	124,518	21
3/22/2010	5.5E+04	1,135,064	1,172,763	385	211,402	264,347	25
9/14/2010	6.0E+04	1,135,082	1,172,739	368	205,338	254,889	24
6/6/2011	5.6E+04	1,135,094	1,172,738	371	195,334	241,011	24
6/19/2012	5.5E+04	1,135,119	1,172,711	358	204,597	238,633	24
CARBONATE (AS CO3)							
6/27/2006	3.8E+04	1,135,097	1,172,756	390	222,498	239,282	22
9/15/2006	2.0E+04	1,135,510	1,172,326	571	114,040	97,233	18
12/11/2006	3.6E+04	1,135,213	1,172,577	323	213,523	254,424	24
4/9/2007	3.7E+04	1,135,155	1,172,639	321	226,674	276,017	24
6/19/2007	3.7E+04	1,135,140	1,172,658	326	223,357	265,063	23
9/27/2007	2.2E+04	1,135,496	1,172,278	564	111,857	109,372	20
12/10/2007	3.9E+04	1,135,141	1,172,661	329	224,840	269,795	23
4/2/2008	3.8E+04	1,135,162	1,172,640	325	232,980	273,010	24
6/12/2008	3.7E+04	1,135,181	1,172,617	323	226,648	267,367	23
9/29/2008	2.1E+04	1,135,505	1,172,282	573	107,549	110,459	20
12/9/2008	2.1E+04	1,135,512	1,172,275	581	111,011	111,064	21
4/14/2009	3.8E+04	1,135,167	1,172,643	332	240,498	275,272	24
6/29/2009	3.8E+04	1,135,147	1,172,663	334	232,787	268,202	24
9/14/2009	2.2E+04	1,135,510	1,172,278	579	117,410	108,832	20
3/22/2010	3.9E+04	1,135,172	1,172,653	342	238,597	270,557	24
9/14/2010	4.0E+04	1,135,143	1,172,672	338	225,368	263,493	23
6/6/2011	3.8E+04	1,135,131	1,172,689	346	219,182	256,652	24
6/19/2012	3.9E+04	1,135,111	1,172,708	352	223,124	264,776	24

Project: Landfill 6

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

Effective Date	0th Moment Estimated Mass (kg)	1st Moment (Center of Mass) Xc (ft)	Yc (ft)	Source Distance (ft)	2nd Moment (Spread) Sigma XX (sq ft)	Sigma YY (sq ft)	Number of Wells
NITROGEN							
NITROGEN							
6/27/2006	4.8E+01	1,135,289	1,172,718	470	239,393	221,748	22
9/15/2006	8.9E+01	1,135,608	1,172,445	665	88,782	100,440	15
12/11/2006	7.1E+01	1,135,183	1,172,789	458	274,384	262,635	25
4/9/2007	6.9E+01	1,135,339	1,172,663	476	248,194	225,015	25
6/19/2007	6.1E+01	1,135,489	1,172,512	557	196,356	189,270	24
9/27/2007	3.9E+01	1,135,588	1,172,401	644	91,188	109,542	21
12/10/2007	6.8E+01	1,135,266	1,172,711	449	252,750	242,830	24
4/2/2008	6.1E+01	1,135,237	1,172,732	444	244,864	237,767	25
6/12/2008	4.9E+01	1,135,364	1,172,600	466	251,482	250,573	24
9/29/2008	3.6E+01	1,135,637	1,172,361	694	117,806	117,539	21
12/9/2008	3.4E+01	1,135,567	1,172,412	623	116,846	112,743	22
4/14/2009	6.7E+01	1,135,210	1,172,729	425	261,367	281,034	25
6/29/2009	5.0E+01	1,135,374	1,172,588	470	258,403	243,427	25
9/14/2009	4.5E+01	1,135,681	1,172,285	746	136,076	114,363	21
3/22/2010	7.7E+01	1,135,238	1,172,718	434	293,691	267,924	25
9/14/2010	3.9E+01	1,135,542	1,172,452	600	196,787	175,538	24
6/6/2011	8.1E+01	1,135,659	1,172,362	716	326,487	265,769	24
6/19/2012	9.1E+01	1,135,409	1,172,540	486	226,318	211,319	24
TOTAL ORGANIC CARBON							
6/27/2006	2.5E+02	1,135,038	1,172,835	447	202,734	221,483	20
9/15/2006	1.3E+02	1,135,520	1,172,346	578	106,784	85,067	16
12/11/2006	2.7E+02	1,135,091	1,172,723	356	227,190	283,032	25
4/9/2007	2.2E+02	1,134,976	1,172,845	448	187,200	243,687	25
6/19/2007	2.5E+02	1,135,053	1,172,775	392	203,005	242,903	24
9/27/2007	1.3E+02	1,135,458	1,172,287	525	86,595	104,459	21
12/10/2007	2.9E+02	1,135,107	1,172,690	334	222,012	289,041	24
4/2/2008	3.3E+02	1,135,083	1,172,738	367	216,650	251,242	25
6/12/2008	2.0E+02	1,134,940	1,172,868	470	161,792	215,005	24
9/29/2008	1.3E+02	1,135,393	1,172,232	479	94,525	78,925	21
12/9/2008	1.1E+02	1,135,476	1,172,232	557	105,175	102,579	22
4/14/2009	1.4E+02	1,134,970	1,172,879	481	172,589	236,497	25
6/29/2009	1.7E+02	1,134,983	1,172,844	447	179,213	250,284	25
9/14/2009	1.1E+02	1,135,457	1,172,277	527	102,145	108,790	21
3/22/2010	2.5E+02	1,134,944	1,172,852	454	164,817	256,465	25
9/14/2010	2.7E+02	1,135,057	1,172,731	351	189,705	275,439	24
6/6/2011	2.9E+02	1,135,113	1,172,636	292	187,742	266,117	24
6/19/2012	2.5E+02	1,135,106	1,172,650	300	194,622	295,633	24

Project: Landfill 6

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

Moment Type	Constituent	Coefficient of Variation	Mann-Kendall S Statistic	Confidence in Trend	Moment Trend
Zeroth Moment: Mass					
	BICARBONATE	0.27	-5	55.9%	S
	CARBONATE (AS CO3)	0.24	49	96.6%	I
	NITROGEN	0.30	-7	58.9%	S
	TOTAL ORGANIC CARBON	0.34	11	64.6%	NT
1st Moment: Distance to Source					
	BICARBONATE	0.18	-35	90.0%	PD
	CARBONATE (AS CO3)	0.27	37	91.2%	PI
	NITROGEN	0.20	11	64.6%	NT
	TOTAL ORGANIC CARBON	0.20	-23	79.5%	S
2nd Moment: Sigma XX					
	BICARBONATE	0.25	1	50.0%	NT
	CARBONATE (AS CO3)	0.27	21	77.3%	NT
	NITROGEN	0.34	31	87.0%	NT
	TOTAL ORGANIC CARBON	0.28	-9	61.7%	S
2nd Moment: Sigma YY					
	BICARBONATE	0.28	19	75.0%	NT
	CARBONATE (AS CO3)	0.33	13	67.3%	NT
	NITROGEN	0.32	25	81.6%	NT
	TOTAL ORGANIC CARBON	0.36	39	92.4%	PI

Note: The following assumptions were applied for the calculation of the Zeroth Moment:

Porosity: 0.35 **Saturated Thickness:** Uniform: 10 ft

Mann-Kendall Trend test performed on all sample events for each constituent. Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)-Due to insufficient Data (< 4 sampling events).

Note: The Sigma XX and Sigma YY components are estimated using the given field coordinate system and then rotated to align with the estimated groundwater flow direction. Moments are not calculated for sample events with less than 6 wells.

MAROS Plume Analysis Summary

Project: Landfill 6
Location: Griffiss AFB

User Name: Josh Wenzel
State: New York

Time Period: 6/27/2006 **to** 6/19/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Constituent	Well	Source/ Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
BICARBONATE											
	775VMW-10	S	18	18	2.3E+02	2.2E+02	No	S	D	N/A	N/A
	775VMW-18R	T	18	18	5.4E+02	5.1E+02	No	D	D	N/A	N/A
	775VMW-20R	T	18	18	2.5E+02	2.6E+02	No	I	I	N/A	N/A
	LF6MW-1	T	18	18	2.9E+02	2.4E+02	No	D	D	N/A	N/A
	LF6MW-12	S	18	18	3.7E+02	4.2E+02	No	PI	NT	N/A	N/A
	LF6VMW-10R2	T	18	18	1.3E+02	1.1E+02	No	PI	NT	N/A	N/A
	LF6VMW-17D	T	18	18	1.2E+02	1.2E+02	No	D	D	N/A	N/A
	LF6VMW-17S	T	17	17	5.0E+01	4.0E+01	No	S	S	N/A	N/A
	LF6VMW-18	T	18	18	3.5E+02	3.5E+02	No	PD	D	N/A	N/A
	LF6VMW-19	T	18	18	2.3E+02	2.2E+02	No	I	I	N/A	N/A
	LF6VMW-20	T	18	18	2.6E+02	2.1E+02	No	D	D	N/A	N/A
	LF6VMW-21	T	18	18	1.0E+02	9.8E+01	No	NT	NT	N/A	N/A
	LF6VMW-22	T	18	18	2.0E+02	2.0E+02	No	PI	S	N/A	N/A
	LF6VMW-23	T	18	18	2.5E+02	2.5E+02	No	NT	NT	N/A	N/A
	LF6VMW-24	T	18	18	2.3E+02	2.2E+02	No	I	I	N/A	N/A
	LF6VMW-25	T	18	18	4.1E+02	4.4E+02	No	NT	NT	N/A	N/A
	LF6VMW-26	S	18	18	3.6E+02	3.6E+02	No	I	I	N/A	N/A
	RV-LF6LH-1	T	16	16	2.3E+02	2.2E+02	No	NT	NT	N/A	N/A
	RV-LF6LH-2	T	16	16	2.4E+02	2.5E+02	No	NT	S	N/A	N/A
	RV-LF6SW-1	T	13	13	2.9E+02	3.0E+02	No	S	S	N/A	N/A
	RV-LF6SW-2	T	13	13	2.9E+02	3.0E+02	No	S	S	N/A	N/A
	RV-LF6SW-3	T	13	13	2.8E+02	2.9E+02	No	S	S	N/A	N/A

Project: Landfill 6 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Constituent	Well	Source/ Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
BICARBONATE											
	TMCMW-9	T	18	18	5.3E+02	5.4E+02	No	D	D	N/A	N/A
	TMC-USGS-2	T	18	18	2.2E+02	2.0E+02	No	S	S	N/A	N/A
	WT-LF6WT-1	T	7	7	2.9E+02	2.3E+02	No	NT	NT	N/A	N/A
CARBONATE (AS CO3)											
	775VMW-10	S	18	18	1.2E+02	1.1E+02	No	S	I	N/A	N/A
	775VMW-18R	T	18	18	1.4E+02	1.4E+02	No	I	I	N/A	N/A
	775VMW-20R	T	18	18	1.8E+02	1.8E+02	No	D	D	N/A	N/A
	LF6MW-1	T	18	18	3.1E+02	3.2E+02	No	S	S	N/A	N/A
	LF6MW-12	S	18	18	3.2E+02	3.3E+02	No	S	NT	N/A	N/A
	LF6VMW-10R2	T	18	18	8.5E+01	8.2E+01	No	S	NT	N/A	N/A
	LF6VMW-17D	T	18	18	1.1E+02	1.1E+02	No	D	D	N/A	N/A
	LF6VMW-17S	T	3	3	3.2E+00	3.8E+00	No	N/A	N/A	N/A	N/A
	LF6VMW-18	T	18	18	2.5E+02	2.5E+02	No	D	PD	N/A	N/A
	LF6VMW-19	T	18	18	1.7E+02	1.5E+02	No	I	I	N/A	N/A
	LF6VMW-20	T	18	18	1.6E+02	1.6E+02	No	I	I	N/A	N/A
	LF6VMW-21	T	18	18	1.0E+02	1.0E+02	No	I	I	N/A	N/A
	LF6VMW-22	T	18	18	1.8E+02	1.9E+02	No	PI	PI	N/A	N/A
	LF6VMW-23	T	18	18	2.1E+02	2.0E+02	No	I	NT	N/A	N/A
	LF6VMW-24	T	18	18	1.3E+02	1.3E+02	No	PD	D	N/A	N/A
	LF6VMW-25	T	18	18	3.6E+02	3.7E+02	No	D	NT	N/A	N/A
	LF6VMW-26	S	18	18	2.4E+02	2.4E+02	No	D	D	N/A	N/A
	RV-LF6LH-1	T	16	16	1.8E+02	1.9E+02	No	I	I	N/A	N/A
	RV-LF6LH-2	T	16	16	1.7E+02	1.7E+02	No	D	D	N/A	N/A
	RV-LF6SW-1	T	13	13	2.1E+02	2.2E+02	No	S	I	N/A	N/A
	RV-LF6SW-2	T	13	13	2.1E+02	2.2E+02	No	S	NT	N/A	N/A
	RV-LF6SW-3	T	13	13	2.1E+02	2.2E+02	No	NT	I	N/A	N/A
	TMCMW-9	T	18	18	4.9E+02	5.0E+02	No	D	D	N/A	N/A
	TMC-USGS-2	T	18	18	1.6E+02	1.6E+02	No	S	S	N/A	N/A
	WT-LF6WT-1	T	7	7	2.7E+02	1.9E+02	No	NT	NT	N/A	N/A
NITROGEN											
	775VMW-10	S	18	18	2.1E+00	1.9E+00	No	D	D	N/A	N/A
	775VMW-18R	T	18	18	3.6E+00	3.5E+00	No	NT	D	N/A	N/A

Project: Landfill 6 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Constituent	Well	Source/ Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
NITROGEN											
	775VMW-20R	T	17	7	3.1E-02	1.0E-02	No	NT	NT	N/A	N/A
	LF6MW-1	T	18	18	1.0E+00	9.4E-01	No	NT	PI	N/A	N/A
	LF6MW-12	S	17	3	1.4E-02	1.0E-02	No	S	S	N/A	N/A
	LF6VMW-10R2	T	18	18	4.4E-01	3.4E-01	No	I	I	N/A	N/A
	LF6VMW-17D	T	18	17	1.7E-01	1.6E-01	No	S	S	N/A	N/A
	LF6VMW-17S	T	18	18	2.4E+00	2.0E+00	No	I	I	N/A	N/A
	LF6VMW-18	T	18	11	7.8E-02	4.8E-02	No	D	D	N/A	N/A
	LF6VMW-19	T	18	18	1.5E+00	1.4E+00	No	I	I	N/A	N/A
	LF6VMW-20	T	18	18	1.7E+00	9.9E-01	No	NT	PI	N/A	N/A
	LF6VMW-21	T	18	18	1.1E+00	8.3E-01	No	I	I	N/A	N/A
	LF6VMW-22	T	18	18	1.1E+00	1.1E+00	No	I	I	N/A	N/A
	LF6VMW-23	T	18	18	1.2E+00	7.2E-01	No	NT	NT	N/A	N/A
	LF6VMW-24	T	17	1	1.2E-02	1.0E-02	No	S	S	N/A	N/A
	LF6VMW-25	T	18	12	3.2E-02	2.3E-02	No	NT	NT	N/A	N/A
	LF6VMW-26	S	17	4	1.8E-02	1.0E-02	No	PI	I	N/A	N/A
	RV-LF6LH-1	T	16	5	1.3E-02	1.0E-02	No	NT	NT	N/A	N/A
	RV-LF6LH-2	T	16	5	1.9E-02	1.0E-02	No	NT	PI	N/A	N/A
	RV-LF6SW-1	T	13	12	4.9E-01	4.8E-01	No	S	S	N/A	N/A
	RV-LF6SW-2	T	13	12	4.3E-01	4.4E-01	No	S	S	N/A	N/A
	RV-LF6SW-3	T	13	12	4.0E-01	3.8E-01	No	S	S	N/A	N/A
	TMCMW-9	T	18	16	7.1E-01	3.3E-01	No	NT	NT	N/A	N/A
	TMC-USGS-2	T	18	16	2.1E-01	5.1E-02	No	I	PI	N/A	N/A
	WT-LF6WT-1	T	7	5	1.9E+00	2.4E-01	No	NT	NT	N/A	N/A
TOTAL ORGANIC CARBON											
	775VMW-10	S	18	10	4.6E-01	4.8E-01	No	S	S	N/A	N/A
	775VMW-18R	T	18	18	6.9E-01	6.6E-01	No	NT	NT	N/A	N/A
	775VMW-20R	T	17	13	5.8E-01	5.5E-01	No	S	S	N/A	N/A
	LF6MW-1	T	18	18	1.7E+00	1.7E+00	No	PD	PD	N/A	N/A
	LF6MW-12	S	18	18	4.7E+00	1.8E+00	No	NT	PI	N/A	N/A
	LF6VMW-10R2	T	17	12	9.6E-01	5.0E-01	No	NT	NT	N/A	N/A
	LF6VMW-17D	T	18	14	5.4E-01	5.3E-01	No	D	PD	N/A	N/A
	LF6VMW-17S	T	18	18	4.9E+00	4.5E+00	No	S	NT	N/A	N/A
	LF6VMW-18	T	18	17	9.0E-01	7.5E-01	No	S	S	N/A	N/A

Project: Landfill 6 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Constituent	Well	Source/ Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
TOTAL ORGANIC CARBON											
	LF6VMW-19	T	18	17	8.4E-01	8.1E-01	No	NT	NT	N/A	N/A
	LF6VMW-20	T	18	13	5.2E-01	5.3E-01	No	D	S	N/A	N/A
	LF6VMW-21	T	17	8	3.5E-01	1.6E-01	No	S	D	N/A	N/A
	LF6VMW-22	T	18	17	7.6E-01	7.0E-01	No	NT	NT	N/A	N/A
	LF6VMW-23	T	18	18	8.5E-01	8.1E-01	No	S	NT	N/A	N/A
	LF6VMW-24	T	16	11	4.8E-01	5.0E-01	No	S	S	N/A	N/A
	LF6VMW-25	T	18	18	3.2E+00	3.3E+00	No	D	D	N/A	N/A
	LF6VMW-26	S	18	16	7.3E-01	7.1E-01	No	S	S	N/A	N/A
	RV-LF6LH-1	T	16	15	3.1E+00	2.3E+00	No	I	I	N/A	N/A
	RV-LF6LH-2	T	16	12	1.7E+00	7.4E-01	No	NT	NT	N/A	N/A
	RV-LF6SW-1	T	13	13	3.3E+00	2.8E+00	No	PD	S	N/A	N/A
	RV-LF6SW-2	T	13	13	3.3E+00	3.4E+00	No	PD	D	N/A	N/A
	RV-LF6SW-3	T	13	13	3.1E+00	2.7E+00	No	D	S	N/A	N/A
	TMCMW-9	T	18	18	3.4E+00	3.3E+00	No	S	S	N/A	N/A
	TMC-USGS-2	T	18	11	5.3E-01	5.2E-01	No	NT	NT	N/A	N/A
	WT-LF6WT-1	T	7	7	5.9E+00	5.9E+00	No	NT	NT	N/A	N/A

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Sampling Frequency Optimization Results

Project: Landfill 6 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

The Overall Number of Sampling Events: 18

"Recent Period" defined by events: **From** Sample Event 1 6/27/2006 **To** Sample Event 18 6/19/2012

"Rate of Change" parameters used:

Constituent	Cleanup Goal	Low Rate	Medium Rate	High Rate
BICARBONATE	400	200	400	800
CARBONATE (AS CO3)	400	200	400	800
NITROGEN	10	5	10	20
TOTAL ORGANIC CARBON	1	0.5	1	2

Units: Cleanup Goal is in mg/L; all rate parameters are in mg/L/year.

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
BICARBONATE			
775VMW-10	Annual	Annual	Annual
775VMW-18R	Annual	Annual	Annual
775VMW-20R	Annual	Annual	Annual
LF6MW-1	Annual	Annual	Annual
LF6MW-12	Annual	Annual	Annual
LF6VMW-10R2	Annual	Annual	Annual
LF6VMW-17D	Biennial	Annual	Annual
LF6VMW-17S	Biennial	Annual	Annual
LF6VMW-18	Annual	Annual	Annual
LF6VMW-19	Annual	Annual	Annual
LF6VMW-20	Annual	Annual	Annual
LF6VMW-21	Biennial	Annual	Annual
LF6VMW-22	Annual	Annual	Annual
LF6VMW-23	Annual	Annual	Annual
LF6VMW-24	Annual	Annual	Annual
LF6VMW-25	Annual	Annual	Annual
LF6VMW-26	Annual	Annual	Annual
RV-LF6LH-1	Annual	Annual	Annual
RV-LF6LH-2	Annual	Annual	Annual
RV-LF6SW-1	Annual	Annual	Annual
RV-LF6SW-2	Annual	Annual	Annual

Project: Landfill 6 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
RV-LF6SW-3	Annual	Annual	Annual
TMCMW-9	Annual	Annual	Annual
TMC-USGS-2	Annual	Annual	Annual
WT-LF6WT-1	Annual	Annual	Annual
CARBONATE (AS CO3)			
775VMW-10	Annual	Annual	Annual
775VMW-18R	Annual	Annual	Annual
775VMW-20R	Annual	Annual	Annual
LF6MW-1	Annual	Annual	Annual
LF6MW-12	Annual	Annual	Annual
LF6VMW-10R2	Biennial	Annual	Annual
LF6VMW-17D	Biennial	Annual	Annual
LF6VMW-17S	Annual	Annual	Annual
LF6VMW-18	Annual	Annual	Annual
LF6VMW-19	Annual	Annual	Annual
LF6VMW-20	Annual	Annual	Annual
LF6VMW-21	Annual	Annual	Annual
LF6VMW-22	Annual	Annual	Annual
LF6VMW-23	Annual	Annual	Annual
LF6VMW-24	Annual	Annual	Annual
LF6VMW-25	Annual	Annual	Annual
LF6VMW-26	Annual	Annual	Annual
RV-LF6LH-1	Annual	Annual	Annual
RV-LF6LH-2	Biennial	Annual	Annual
RV-LF6SW-1	Annual	Annual	Annual
RV-LF6SW-2	Annual	Annual	Annual
RV-LF6SW-3	Annual	Annual	Annual
TMCMW-9	Annual	Annual	Annual
TMC-USGS-2	Annual	Annual	Annual
WT-LF6WT-1	Annual	Annual	Annual
NITROGEN			
775VMW-10	Biennial	Annual	Annual
775VMW-18R	Biennial	Annual	Annual
775VMW-20R	Biennial	Annual	Annual
LF6MW-1	Biennial	Annual	Annual
LF6MW-12	Biennial	Annual	Annual

Project: Landfill 6 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
LF6VMW-10R2	Annual	Annual	Annual
LF6VMW-17D	Biennial	Annual	Annual
LF6VMW-17S	Annual	Annual	Annual
LF6VMW-18	Biennial	Annual	Annual
LF6VMW-19	Annual	Annual	Annual
LF6VMW-20	Annual	Annual	Annual
LF6VMW-21	Annual	Annual	Annual
LF6VMW-22	Annual	Annual	Annual
LF6VMW-23	Annual	Annual	Annual
LF6VMW-24	Biennial	Annual	Annual
LF6VMW-25	Biennial	Annual	Annual
LF6VMW-26	Biennial	Annual	Annual
RV-LF6LH-1	Biennial	Annual	Annual
RV-LF6LH-2	Biennial	Annual	Annual
RV-LF6SW-1	Biennial	Annual	Annual
RV-LF6SW-2	Biennial	Annual	Annual
RV-LF6SW-3	Biennial	Annual	Annual
TMCMW-9	Biennial	Annual	Annual
TMC-USGS-2	Annual	Annual	Annual
WT-LF6WT-1	Annual	Annual	Annual
TOTAL ORGANIC CARBON			
775VMW-10	Annual	Annual	Annual
775VMW-18R	Annual	Annual	Annual
775VMW-20R	Annual	Annual	Annual
LF6MW-1	Annual	Annual	Annual
LF6MW-12	Annual	Annual	Annual
LF6VMW-10R2	Annual	Annual	Annual
LF6VMW-17D	Annual	Annual	Annual
LF6VMW-17S	Annual	Annual	Annual
LF6VMW-18	Annual	Annual	Annual
LF6VMW-19	Annual	Annual	Annual
LF6VMW-20	Annual	Annual	Annual
LF6VMW-21	Annual	Annual	Annual
LF6VMW-22	Annual	Annual	Annual
LF6VMW-23	Annual	Annual	Annual
LF6VMW-24	Annual	Annual	Annual
LF6VMW-25	Annual	Annual	Annual

Project: Landfill 6 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
LF6VMW-26	Annual	Annual	Annual
RV-LF6LH-1	Quarterly	Quarterly	Quarterly
RV-LF6LH-2	Annual	Annual	Annual
RV-LF6SW-1	Annual	Annual	Annual
RV-LF6SW-2	Annual	Annual	Annual
RV-LF6SW-3	Annual	Annual	Annual
TMCMW-9	Annual	Annual	Annual
TMC-USGS-2	Annual	Annual	Annual
WT-LF6WT-1	Annual	Annual	Annual

Note: Sampling frequency is determined considering both recent and overall concentration trends. Sampling Frequency is the final recommendation; Frequency Based on Recent Data is the frequency determined using recent (short) period of monitoring data; Frequency Based on Overall Data is the frequency determined using overall (long) period of monitoring data. If the "recent period" is defined using a different series of sampling events, the results could be different.

MAROS Sampling Location Optimization

Results by Considering All COCs

Project: Landfill 6 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Sampling Events Analyzed: **From** Sample Event 1 (6/27/2006) **to** Sample Event 18 (6/19/2012)

Well	X (feet)	Y (feet)	Number of COCs	COC-Averaged Slope Factor*	Abandoned?
775VMW-10	1135613.75	1172769.13	4	0.200	☐
775VMW-18R	1135300.75	1173166.50	4	0.193	☐
775VMW-20R	1135888.25	1172500.00	4	0.262	☐
LF6MW-1	1135716.75	1172661.13	4	0.188	☐
LF6MW-12	1134944.13	1172397.88	4	0.198	☐
LF6VMW-10R2	1135289.00	1172210.50	4	0.184	☐
LF6VMW-17D	1135535.25	1172076.63	4	0.286	☐
LF6VMW-17S	1135538.25	1172097.88	4	0.476	☐
LF6VMW-18	1135825.13	1171848.38	4	0.205	☐
LF6VMW-19	1136060.75	1171788.88	4	0.165	☐
LF6VMW-20	1136385.50	1171846.50	4	0.132	☐
LF6VMW-21	1136190.50	1172188.00	4	0.268	☐
LF6VMW-22	1135381.63	1172260.50	4	0.128	☐
LF6VMW-23	1135269.25	1172406.00	4	0.115	☐
LF6VMW-24	1135097.50	1172533.25	4	0.315	☐
LF6VMW-25	1134850.25	1172589.50	4	0.139	☐
LF6VMW-26	1134892.00	1172254.00	4	0.169	☐
RV-LF6LH-1	1135410.00	1171600.00	4	0.267	☐
RV-LF6LH-2	1134970.00	1171980.00	4	0.218	☐
RV-LF6SW-1	1134000.00	1174000.00	4	0.127	☐
RV-LF6SW-2	1134001.00	1174001.00	4	0.018	☑
RV-LF6SW-3	1134002.00	1174002.00	4	0.020	☐
TMCMW-9	1134860.63	1172584.88	4	0.151	☐
TMC-USGS-2	1135667.00	1171621.00	4	0.182	☐
WT-LF6WT-1	1134911.00	1172503.00	4	0.198	☐

Note: the COC-Averaged Slope Factor is the value calculated by averaging those "Average Slope Factor" obtained earlier across COCs; to be conservative, a location is "abandoned" only when it is eliminated from all COCs; "abandoned" doesn't necessarily mean the abandon of well, it can mean that NO samples need to be collected for any COCs.

* When the report is generated after running the Excel module, SF values will NOT be shown above.

MAROS Sampling Location Optimization Results

Project: Landfill 6 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Sampling Events Analyzed: **From** Sample Event 1 (6/27/2006) **to** Sample Event 18 (6/19/2012)

Parameters used:

Constituent	Inside SF	Hull SF	Area Ratio	Conc. Ratio
BICARBONATE	0.1	0.01	0.95	0.95
CARBONATE (AS CO3)	0.1	0.01	0.95	0.95
NITROGEN	0.1	0.01	0.95	0.95
TOTAL ORGANIC CARBON	0.1	0.01	0.95	0.95

Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
BICARBONATE							
775VMW-10	1135613.75	1172769.13	☑	0.058	0.003	0.151	☑
775VMW-18R	1135300.75	1173166.50	☑	0.099	0.004	0.198	☐
775VMW-20R	1135888.25	1172500.00	☑	0.069	0.004	0.159	☑
LF6MW-1	1135716.75	1172661.13	☑	0.090	0.002	0.189	☑
LF6MW-12	1134944.13	1172397.88	☑	0.105	0.039	0.416	☐
LF6VMW-10R2	1135289.00	1172210.50	☑	0.112	0.066	0.227	☐
LF6VMW-17D	1135535.25	1172076.63	☑	0.139	0.008	0.248	☐
LF6VMW-17S	1135538.25	1172097.88	☑	0.210	0.005	0.345	☐
LF6VMW-18	1135825.13	1171848.38	☑	0.150	0.067	0.190	☐
LF6VMW-19	1136060.75	1171788.88	☑	0.052	0.007	0.162	☑
LF6VMW-20	1136385.50	1171846.50	☑	0.099	0.003	0.263	☐
LF6VMW-21	1136190.50	1172188.00	☑	0.183	0.082	0.258	☐
LF6VMW-22	1135381.63	1172260.50	☑	0.131	0.007	0.802	☐
LF6VMW-23	1135269.25	1172406.00	☑	0.055	0.004	0.215	☑
LF6VMW-24	1135097.50	1172533.25	☑	0.072	0.012	0.135	☑
LF6VMW-25	1134850.25	1172589.50	☑	0.080	0.004	0.606	☑
LF6VMW-26	1134892.00	1172254.00	☑	0.060	0.005	0.226	☑
RV-LF6LH-1	1135410.00	1171600.00	☑	0.058	0.000	0.165	☐
RV-LF6LH-2	1134970.00	1171980.00	☑	0.057	0.011	0.148	☐
RV-LF6SW-1	1134000.00	1174000.00	☑	0.013	0.000	0.071	☐
RV-LF6SW-2	1134001.00	1174001.00	☑	0.005	0.000	0.014	☑
RV-LF6SW-3	1134002.00	1174002.00	☑	0.009	0.002	0.019	☑
TMCMW-9	1134860.63	1172584.88	☑	0.083	0.004	0.555	☑
TMC-USGS-2	1135667.00	1171621.00	☑	0.029	0.002	0.090	☐
WT-LF6WT-1	1134911.00	1172503.00	☑	0.054	0.003	0.129	☑

Project: Landfill 6 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
CARBONATE (AS CO3)							
775VMW-10	1135613.75	1172769.13	☑	0.122	0.035	0.176	☐
775VMW-18R	1135300.75	1173166.50	☑	0.077	0.025	0.132	☐
775VMW-20R	1135888.25	1172500.00	☑	0.025	0.001	0.126	☑
LF6MW-1	1135716.75	1172661.13	☑	0.124	0.043	0.175	☐
LF6MW-12	1134944.13	1172397.88	☑	0.078	0.039	0.124	☑
LF6VMW-10R2	1135289.00	1172210.50	☑	0.132	0.025	0.178	☐
LF6VMW-17D	1135535.25	1172076.63	☑	0.161	0.005	0.668	☐
LF6VMW-17S	1135538.25	1172097.88	☑	0.767	0.709	0.872	☐
LF6VMW-18	1135825.13	1171848.38	☑	0.120	0.032	0.233	☐
LF6VMW-19	1136060.75	1171788.88	☑	0.054	0.016	0.112	☑
LF6VMW-20	1136385.50	1171846.50	☑	0.049	0.004	0.108	☐
LF6VMW-21	1136190.50	1172188.00	☑	0.118	0.063	0.173	☐
LF6VMW-22	1135381.63	1172260.50	☑	0.089	0.004	0.204	☑
LF6VMW-23	1135269.25	1172406.00	☑	0.058	0.021	0.154	☑
LF6VMW-24	1135097.50	1172533.25	☑	0.132	0.085	0.205	☐
LF6VMW-25	1134850.25	1172589.50	☑	0.044	0.007	0.212	☑
LF6VMW-26	1134892.00	1172254.00	☑	0.024	0.001	0.126	☑
RV-LF6LH-1	1135410.00	1171600.00	☑	0.056	0.003	0.138	☐
RV-LF6LH-2	1134970.00	1171980.00	☑	0.045	0.011	0.099	☐
RV-LF6SW-1	1134000.00	1174000.00	☑	0.018	0.000	0.103	☐
RV-LF6SW-2	1134001.00	1174001.00	☑	0.006	0.000	0.019	☑
RV-LF6SW-3	1134002.00	1174002.00	☑	0.008	0.000	0.019	☑
TMCMW-9	1134860.63	1172584.88	☑	0.067	0.036	0.210	☑
TMC-USGS-2	1135667.00	1171621.00	☑	0.028	0.004	0.061	☐
WT-LF6WT-1	1134911.00	1172503.00	☑	0.070	0.007	0.112	☑
NITROGEN							
775VMW-10	1135613.75	1172769.13	☑	0.143	0.029	0.271	☐
775VMW-18R	1135300.75	1173166.50	☑	0.376	0.300	0.547	☐
775VMW-20R	1135888.25	1172500.00	☑	0.569	0.205	0.665	☐
LF6MW-1	1135716.75	1172661.13	☑	0.096	0.031	0.154	☑
LF6MW-12	1134944.13	1172397.88	☑	0.374	0.047	0.622	☐
LF6VMW-10R2	1135289.00	1172210.50	☑	0.110	0.012	0.305	☐
LF6VMW-17D	1135535.25	1172076.63	☑	0.283	0.169	0.689	☐
LF6VMW-17S	1135538.25	1172097.88	☑	0.340	0.254	0.649	☐
LF6VMW-18	1135825.13	1171848.38	☑	0.370	0.019	0.654	☐
LF6VMW-19	1136060.75	1171788.88	☑	0.259	0.103	0.417	☐

Project: Landfill 6 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
LF6VMW-20	1136385.50	1171846.50	☑	0.073	0.014	0.337	☐
LF6VMW-21	1136190.50	1172188.00	☑	0.271	0.019	0.377	☐
LF6VMW-22	1135381.63	1172260.50	☑	0.103	0.006	0.220	☐
LF6VMW-23	1135269.25	1172406.00	☑	0.228	0.042	0.360	☐
LF6VMW-24	1135097.50	1172533.25	☑	0.555	0.333	0.645	☐
LF6VMW-25	1134850.25	1172589.50	☑	0.407	0.036	0.721	☐
LF6VMW-26	1134892.00	1172254.00	☑	0.251	0.024	0.392	☐
RV-LF6LH-1	1135410.00	1171600.00	☑	0.428	0.000	0.667	☐
RV-LF6LH-2	1134970.00	1171980.00	☑	0.330	0.057	0.505	☐
RV-LF6SW-1	1134000.00	1174000.00	☑	0.228	0.013	0.437	☐
RV-LF6SW-2	1134001.00	1174001.00	☑	0.023	0.002	0.108	☑
RV-LF6SW-3	1134002.00	1174002.00	☑	0.023	0.000	0.081	☐
TMCMW-9	1134860.63	1172584.88	☑	0.414	0.036	0.625	☐
TMC-USGS-2	1135667.00	1171621.00	☑	0.280	0.040	0.557	☐
WT-LF6WT-1	1134911.00	1172503.00	☑	0.380	0.262	0.555	☐
TOTAL ORGANIC CARBON							
775VMW-10	1135613.75	1172769.13	☑	0.476	0.007	0.830	☐
775VMW-18R	1135300.75	1173166.50	☑	0.220	0.008	0.406	☐
775VMW-20R	1135888.25	1172500.00	☑	0.383	0.077	0.784	☐
LF6MW-1	1135716.75	1172661.13	☑	0.443	0.111	0.706	☐
LF6MW-12	1134944.13	1172397.88	☑	0.235	0.011	0.623	☐
LF6VMW-10R2	1135289.00	1172210.50	☑	0.384	0.003	0.801	☐
LF6VMW-17D	1135535.25	1172076.63	☑	0.560	0.301	0.873	☐
LF6VMW-17S	1135538.25	1172097.88	☑	0.587	0.452	0.879	☐
LF6VMW-18	1135825.13	1171848.38	☑	0.179	0.015	0.691	☐
LF6VMW-19	1136060.75	1171788.88	☑	0.297	0.018	0.784	☐
LF6VMW-20	1136385.50	1171846.50	☑	0.306	0.035	0.737	☐
LF6VMW-21	1136190.50	1172188.00	☑	0.502	0.007	0.771	☐
LF6VMW-22	1135381.63	1172260.50	☑	0.189	0.020	0.720	☐
LF6VMW-23	1135269.25	1172406.00	☑	0.121	0.020	0.277	☐
LF6VMW-24	1135097.50	1172533.25	☑	0.500	0.206	0.854	☐
LF6VMW-25	1134850.25	1172589.50	☑	0.025	0.001	0.075	☑
LF6VMW-26	1134892.00	1172254.00	☑	0.342	0.003	0.871	☐
RV-LF6LH-1	1135410.00	1171600.00	☑	0.525	0.000	0.840	☐
RV-LF6LH-2	1134970.00	1171980.00	☑	0.441	0.051	0.801	☐
RV-LF6SW-1	1134000.00	1174000.00	☑	0.251	0.016	0.490	☐
RV-LF6SW-2	1134001.00	1174001.00	☑	0.038	0.003	0.151	☑
RV-LF6SW-3	1134002.00	1174002.00	☑	0.038	0.000	0.150	☐

Project: Landfill 6 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
TMCMW-9	1134860.63	1172584.88	☑	0.039	0.005	0.084	☑
TMC-USGS-2	1135667.00	1171621.00	☑	0.390	0.049	0.808	☐
WT-LF6WT-1	1134911.00	1172503.00	☑	0.287	0.215	0.421	☐

Note: The Slope Factor indicates the relative importance of a well in the monitoring network at a given sampling event; the larger the SF value of a well, the more important the well is and vice versa; the Average Slope Factor measures the overall well importance in the selected time period; the state coordinates system (i.e., X and Y refer to Easting and Northing respectively) or local coordinates systems may be used; wells that are NOT selected for analysis are not shown above.
* When the report is generated after running the Excel module, SF values will NOT be shown above.

MAROS Site Results

Project: Landfill 6 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

User Defined Site and Data Assumptions:

Hydrogeology and Plume Information:

Groundwater Seepage Velocity: 369 ft/yr

Current Plume Length: 350 ft

Current Plume Width 530 ft

Number of Tail Wells: 22

Number of Source Wells: 3

Down-gradient Information:

Distance from Edge of Tail to Nearest:

Down-gradient receptor: 175 ft

Down-gradient property: 175 ft

Distance from Source to Nearest:

Down-gradient receptor: 300 ft

Down-gradient property: 300 ft

Source Information:

Source Treatment: No Current Site Treatment

NAPL is not observed at this site.

Data Consolidation Assumptions:

Time Period: 6/27/2006 **to** 6/19/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Plume Information Weighting Assumptions:

Consolidation Step 1. Weight Plume Information by Chemical
Summary Weighting: Weighting Applied to All Chemicals Equally
Consolidation Step 2. Weight Well Information by Chemical
Well Weighting: No Weighting of Wells was Applied.
Chemical Weighting: No Weighting of Chemicals was Applied.

Note: These assumptions were made when consolidating the historical montoring data and lumping the Wells and COCs.

1. Compliance Monitoring/Remediation Optimization Results:

Preliminary Monitoring System Optimization Results: Based on site classification, source treatment and Monitoring System Category the following suggestions are made for site Sampling Frequency, Duration of Sampling before reassessment, and Well Density. These criteria take into consideration: Plume Stability, Type of Plume, and Groundwater Velocity.

COC	Tail Stability	Source Stability	Level of Effort	Sampling Duration	Sampling Frequency	Sampling Density
BICARBONATE	S	NT	M	Sample 4 more years	Quarterly	17
CARBONATE (AS CO3)	NT	S	M	Sample 4 more years	Quarterly	17
NITROGEN	NT	S	M	Sample 4 more years	Quarterly	17
TOTAL ORGANIC CARBON	S	NT	M	Sample 4 more years	Quarterly	17

Note:

Plume Status: (I) Increasing; (PI)Probably Increasing; (S) Stable; (NT) No Trend; (PD) Probably Decreasing; (D) Decreasing

Design Categories: (E) Extensive; (M) Moderate; (L) Limited (N/A) Not Applicable, Insufficient Data Available

Level of Monitoring Effort Indicated by Analysis Moderate

2. Spatial Moment Analysis Results:

Moment Type	Constituent	Coefficient of Variation	Mann-Kendall S Statistic	Confidence in Trend	Moment Trend
Zeroth Moment: Mass					
	BICARBONATE	0.27	-5	55.9%	S
	CARBONATE (AS CO3)	0.24	49	96.6%	I
	NITROGEN	0.30	-7	58.9%	S
	TOTAL ORGANIC CARBON	0.34	11	64.6%	NT
1st Moment: Distance to Source					
	BICARBONATE	0.18	-35	90.0%	PD
	CARBONATE (AS CO3)	0.27	37	91.2%	PI
	NITROGEN	0.20	11	64.6%	NT
	TOTAL ORGANIC CARBON	0.20	-23	79.5%	S
2nd Moment: Sigma XX					
	BICARBONATE	0.25	1	50.0%	NT
	CARBONATE (AS CO3)	0.27	21	77.3%	NT
	NITROGEN	0.34	31	87.0%	NT
	TOTAL ORGANIC CARBON	0.28	-9	61.7%	S
2nd Moment: Sigma YY					
	BICARBONATE	0.28	19	75.0%	NT
	CARBONATE (AS CO3)	0.33	13	67.3%	NT
	NITROGEN	0.32	25	81.6%	NT
	TOTAL ORGANIC CARBON	0.36	39	92.4%	PI

Note: The following assumptions were applied for the calculation of the Zeroth Moment:

Porosity: 0.35 **Saturated Thickness:** Uniform: 10 ft

Mann-Kendall Trend test performed on all sample events for each constituent. Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)-Due to insufficient Data (< 4 sampling events).